Appendix A
Construction Emissions

ESA

A.1 Unmitigated Air Quality Emissions

AQ Emissions Summary

World Logistics Center
Regional Construction Emissions

UNMITIGATED Construction Year	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
	lb/day									
2020	319.33	989.24	700.53	1.68	126.55	41.64	168.19	27.30	38.38	65.67
2021	333.07	1124.39	832.25	1.97	125.58	46.70	172.28	25.90	43.03	68.93
2022	332.73	1102.61	865.44	2.10	154.38	44.76	199.14	36.85	41.23	78.08
2023	327.53	1009.75	857.86	2.12	170.07	40.72	210.79	39.90	37.49	77.40
2024	311.88	810.63	771.15	1.99	151.29	32.24	183.53	31.40	29.69	61.09
2025	284.89	529.22	575.68	1.48	123.66	20.50	144.16	26.98	18.88	45.86
2026	270.20	405.11	400.59	1.08	91.07	15.55	106.62	18.28	14.32	32.60
2027	266.82	380.49	375.59	0.91	40.42	14.93	55.34	10.26	13.75	24.01
2028	272.17	422.70	400.25	1.22	171.95	15.74	187.69	24.46	14.49	38.95
2029	267.94	390.20	378.00	1.04	114.16	14.83	128.99	18.24	13.66	31.90
2030	271.79	205.86	324.27	1.07	113.94	6.27	120.21	18.17	6.25	24.42
2031	263.39	162.78	291.74	0.94	108.07	4.66	112.73	14.94	4.64	19.58
2032	260.52	151.20	267.13	0.87	103.10	4.19	107.29	14.44	4.17	18.61
2033	250.74	109.87	226.33	0.67	81.01	2.75	83.76	10.81	2.74	13.55
2034	250.49	111.00	220.54	0.70	99.42	2.61	102.04	12.82	2.59	15.41
Daily Maximum	**333.07**	**1124.39**	**865.44**	**2.12**	**171.95**	**46.70**	**210.79**	**39.90**	**43.03**	**78.08**
SCAQMD Regional Significance Thresholds	75.00	100.00	550.00	150.00			150.00			55.00
Exceeds Threshold?	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes

MITIGATED Construction Year	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
	lb/day									
2020	159.83	148.07	789.39	1.67	126.55	3.73	130.28	27.30	3.63	30.93
2021	163.39	172.35	942.73	1.96	125.58	4.27	129.85	25.90	4.16	30.07
2022	165.88	190.94	994.85	2.10	154.38	5.10	159.48	36.85	4.93	41.78
2023	164.02	172.35	996.19	2.12	170.07	3.98	174.05	39.90	3.90	43.80
2024	162.21	164.97	939.16	1.99	151.29	3.69	154.98	31.40	3.61	35.01
2025	155.10	125.98	709.30	1.48	123.66	2.67	126.33	26.98	2.62	29.60
2026	149.25	86.74	493.19	1.08	91.07	1.91	92.98	18.28	1.88	20.16
2027	146.89	70.75	453.95	0.91	40.42	1.71	42.12	10.26	1.68	11.94
2028	151.12	102.84	475.64	1.22	171.95	1.97	173.92	24.46	1.92	26.38
2029	148.48	87.41	450.87	1.04	114.15	1.79	115.94	18.24	1.75	19.99
2030	148.28	82.25	429.88	1.07	113.94	1.64	115.58	18.17	1.62	19.79
2031	146.67	76.55	375.38	0.94	108.07	1.42	109.50	14.94	1.41	16.35
2032	145.39	71.72	347.91	0.87	103.10	1.31	104.41	14.44	1.29	15.73
2033	142.84	61.24	269.93	0.67	81.01	1.00	82.01	10.81	0.98	11.79
2034	143.09	64.29	263.25	0.70	99.42	1.01	100.44	12.82	0.99	13.81
Daily Maximum	**165.88**	**190.94**	**996.19**	**2.12**	**171.95**	**5.10**	**174.05**	**39.90**	**4.93**	**43.80**
SCAQMD Regional Significance Thresholds	75.00	100.00	550.00	150.00			150.00			55.00
Exceeds Threshold?	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No

Plots 2, 4, 9, 1, 3, and 20

World Logistics Center Construction - Plots 2,4,9,1,3, and 20

Regional Emissions Unmitigated

Summer	Onsite Emissions										Onsite Mobile Emissions									
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Source	lb/day										lb/day									
3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	44.97	538.70	295.82	0.70	23.58	20.23	43.81	10.33	18.61	28.94	0.22	0.17	0.28	0.01	13.64	0.00	13.64	1.36	0.00	1.36
3.3 Plots 2 and 4 (2020) Finish Grading - 2020	1.20	11.87	8.24	0.01	11.95	0.69	12.64	6.48	0.63	7.11	0.05	0.02	0.06	0.00	3.56	0.00	3.56	0.36	0.00	0.36
3.4 Plots 2 and 4 (2020) Utilities - 2020	12.67	124.56	103.65	0.29	0.00	5.45	5.45	0.00	5.01	5.01	0.49	0.53	0.45	0.03	18.51	0.01	18.51	1.85	0.00	1.85
3.5 Plots 2 and 4 (2020) Landscaping - 2020	3.81	33.15	36.05	0.05	0.00	1.92	1.92	0.00	1.77	1.77	0.11	0.04	0.05	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2.08	18.67	20.08	0.03	0.00	1.11	1.11	0.00	1.07	1.07	0.09	0.48	0.38	0.00	11.59	0.00	11.59	1.16	0.00	1.16
3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	7.94	78.08	78.24	0.14	0.00	4.12	4.12	0.00	3.79	3.79	0.29	0.23	0.21	0.02	10.07	0.00	10.07	1.01	0.00	1.01
3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2.83	24.48	25.93	0.04	0.00	1.53	1.53	0.00	1.41	1.41	0.13	0.34	0.26	0.01	8.35	0.00	8.35	0.83	0.00	0.84
3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	1.82	21.98	15.14	0.03	0.00	0.88	0.88	0.00	0.81	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	3.36	28.97	30.45	0.04	0.00	1.71	1.71	0.00	1.57	1.57	0.13	0.04	0.06	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.11 Plots 2 and 4 (2020) Paving - 2020	6.66	58.86	50.40	0.09	0.00	2.81	2.81	0.00	2.59	2.59	0.13	0.07	0.13	0.01	6.87	0.00	6.87	0.69	0.00	0.69
3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2.16	8.88	9.75	0.01	0.00	0.51	0.51	0.00	0.47	0.47	0.08	0.06	0.07	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.13 Plot 4 (2021) Mass Excavation - 2021	56.36	659.00	371.13	0.87	20.82	25.05	45.86	8.73	23.04	31.77	0.21	0.16	0.27	0.01	13.64	0.00	13.64	1.36	0.00	1.36
3.14 Plot 4 (2021) Finish Grading - 2021	1.13	11.12	8.17	0.01	11.95	0.63	12.58	6.48	0.58	7.06	0.05	0.02	0.06	0.00	3.58	0.00	3.58	0.36	0.00	0.36
3.15 Plot 4 (2021) Utilities - 2021	13.63	127.11	117.34	0.35	0.00	5.34	5.34	0.00	4.91	4.91	0.48	0.51	0.43	0.03	18.53	0.01	18.53	1.85	0.00	1.85
3.16 Plot 4 (2021) Building-Concrete - 2021	3.42	32.05	37.66	0.06	0.00	1.83	1.83	0.00	1.72	1.72	0.08	0.46	0.37	0.00	11.61	0.00	11.62	1.16	0.00	1.16
3.17 Plot 4 (2021) Building-Wet Utilities - 2021	7.50	71.63	80.53	0.14	0.00	3.71	3.71	0.00	3.41	3.41	0.08	0.46	0.37	0.00	11.61	0.00	11.62	1.16	0.00	1.16
3.18 Plot 4 (2021) Building-Electrical - 2021	5.06	43.83	50.52	0.07	0.00	2.52	2.52	0.00	2.32	2.32	0.13	0.33	0.25	0.01	8.37	0.00	8.37	0.84	0.00	0.84
3.19 Plot 4 (2021) Building-Landscaping - 2021	3.31	28.69	33.45	0.05	0.00	1.61	1.61	0.00	1.48	1.48	0.13	0.04	0.05	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.20 Plot 4 (2021) Landscaping - 2021	3.50	30.34	35.81	0.05	0.00	1.69	1.69	0.00	1.55	1.55	0.11	0.03	0.05	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.21 Plot 4 (2021) Temporary Utilities - 2021	1.68	19.59	13.93	0.03	0.00	0.79	0.79	0.00	0.73	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2.10	8.15	9.74	0.01	0.00	0.45	0.45	0.00	0.42	0.42	0.08	0.06	0.07	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.23 Plot 4 (2021) Paving - 2021	6.27	53.77	49.21	0.09	0.00	2.51	2.51	0.00	2.31	2.31	0.13	0.07	0.13	0.01	6.87	0.00	6.88	0.69	0.00	0.69
3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	58.88	678.40	391.14	0.94	37.36	25.71	63.07	15.71	23.65	39.36	0.26	0.24	0.31	0.01	15.27	0.00	15.27	1.52	0.00	1.52
3.25 Plots 4 and 9 (2022) Finish Grading - 2022	3.67	36.53	33.68	0.05	18.03	1.97	20.00	9.73	1.81	11.54	0.09	0.03	0.05	0.00	3.56	0.00	3.56	0.36	0.00	0.36
3.26 Plots 4 and 9 (2022) Utilities - 2022	12.15	105.21	115.29	0.35	0.00	4.35	4.35	0.00	4.00	4.00	0.28	0.27	0.24	0.02	10.98	0.00	10.98	1.10	0.00	1.10
3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	3.08	28.79	37.38	0.06	0.00	1.52	1.52	0.00	1.43	1.43	0.20	0.38	0.36	0.01	14.26	0.00	14.26	1.42	0.00	1.42
3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	6.37	57.99	76.93	0.14	0.00	2.90	2.90	0.00	2.67	2.67	0.28	0.20	0.20	0.02	10.08	0.00	10.08	1.01	0.00	1.01
3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	4.41	39.61	49.55	0.07	0.00	2.05	2.05	0.00	1.89	1.89	0.12	0.18	0.16	0.01	6.42	0.00	6.42	0.64	0.00	0.64
3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2.94	25.37	33.43	0.05	0.00	1.34	1.34	0.00	1.24	1.24	0.10	0.24	0.21	0.01	7.59	0.00	7.59	0.76	0.00	0.76
3.31 Plots 4 and 9 (2022) Landscaping - 2022	3.08	26.49	35.30	0.05	0.00	1.41	1.41	0.00	1.29	1.29	0.29	0.26	0.23	0.02	10.94	0.00	10.94	1.09	0.00	1.09
3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	1.48	16.47	12.59	0.03	0.00	0.67	0.67	0.00	0.61	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2.01	7.18	9.67	0.01	0.00	0.38	0.38	0.00	0.35	0.35	0.10	0.19	0.16	0.01	5.90	0.00	5.90	0.59	0.00	0.59
3.34 Plots 4 and 9 (2022) Paving - 2022	5.69	45.90	47.45	0.09	0.00	2.10	2.10	0.00	1.93	1.93	0.12	0.05	0.08	0.01	5.10	0.00	5.10	0.51	0.00	0.51
3.35 Plot 9 (2023) Mass Excavation - 2023	52.51	584.63	359.16	0.87	45.08	22.41	67.48	17.83	20.61	38.45	0.31	0.29	0.35	0.02	16.88	0.00	16.89	1.68	0.00	1.69
3.36 Plot 9 (2023) Finish Grading - 2023	1.91	18.37	16.06	0.02	18.24	1.00	19.24	9.75	0.92	10.67	0.13	0.03	0.04	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.37 Plot 9 (2023) Utilities - 2023	11.50	94.10	114.53	0.35	0.00	3.79	3.79	0.00	3.49	3.49	0.08	0.05	0.06	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.38 Plot 9 (2023) Building-Concrete - 2023	2.86	26.59	37.28	0.06	0.00	1.30	1.30	0.00	1.23	1.23	0.31	0.29	0.35	0.02	16.88	0.00	16.89	1.68	0.00	1.69
3.39 Plot 9 (2023) Building-Wet Utilities - 2023	5.91	51.71	76.71	0.14	0.00	2.50	2.50	0.00	2.30	2.30	0.28	0.18	0.19	0.02	10.08	0.00	10.08	1.01	0.00	1.01
3.40 Plot 9 (2023) Building-Electrical - 2023	4.10	37.04	49.29	0.07	0.00	1.76	1.76	0.00	1.62	1.62	0.11	0.03	0.06	0.01	4.46	0.00	4.46	0.44	0.00	0.44
3.41 Plot 9 (2023) Building-Landscaping - 2023	2.69	23.03	33.14	0.05	0.00	1.14	1.14	0.00	1.05	1.05	0.08	0.40	0.38	0.00	11.64	0.00	11.64	1.16	0.00	1.16
3.42 Plot 9 (2023) Interchange - 2023	5.88	57.35	45.97	0.10	0.00	2.52	2.52	0.00	2.32	2.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.43 Plot 9 (2023) Landscaping - 2023	2.82	24.07	35.01	0.05	0.00	1.20	1.20	0.00	1.10	1.10	0.47	0.44	0.41	0.03	18.55	0.00	18.55	1.85	0.00	1.85
3.44 Plot 9 (2023) Temporary Utilities - 2023	1.34	14.29	11.44	0.03	0.00	0.58	0.58	0.00	0.53	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2.03	7.24	10.62	0.02	0.00	0.37	0.37	0.00	0.34	0.34	0.13	0.29	0.25	0.01	8.38	0.00	8.38	0.84	0.00	0.84
3.46 Plot 9 (2023) Paving - 2023	5.46	42.36	46.83	0.09	0.00	1.89	1.89	0.00	1.74	1.74	0.11	0.03	0.04	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	39.22	415.15	271.50	0.74	27.75	15.89	43.64	10.78	14.62	25.40	0.24	0.20	0.28	0.01	14.90	0.00	14.90	1.49	0.00	1.49
3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	1.10	10.33	11.34	0.02	15.09	0.54	15.63	8.11	0.50	8.61	0.27	0.24	0.23	0.02	10.96	0.00	10.96	1.09	0.00	1.09
3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	11.23	88.73	115.58	0.35	0.00	3.48	3.48	0.00	3.20	3.20	0.27	0.24	0.23	0.02	10.96	0.00	10.96	1.09	0.00	1.09
3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2.72	25.11	37.32	0.06	0.00	1.14	1.14	0.00	1.08	1.08	0.19	0.34	0.36	0.01	14.22	0.00	14.23	1.42	0.00	1.42
3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	5.59	47.04	76.79	0.14	0.00	2.21	2.21	0.00	2.03	2.03	0.28	0.18	0.19	0.02	10.07	0.00	10.07	1.01	0.00	1.01
3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	3.81	34.97	48.99	0.07	0.00	1.53	1.53	0.00	1.41	1.41	0.12	0.16	0.15	0.01	6.40	0.00	6.40	0.64	0.00	0.64
3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2.52	21.27	33.08	0.05	0.00	1.00	1.00	0.00	0.92	0.92	0.10	0.21	0.21	0.01	7.56	0.00	7.57	0.76	0.00	0.76
3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	5.55	52.39	44.73	0.10	0.00	2.28	2.28	0.00	2.10	2.10	0.05	0.08	0.10	0.00	4.14	0.00	4.14	0.41	0.00	0.41
3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2.64	22.23	34.96	0.05	0.00	1.05	1.05	0.00	0.97	0.97	0.29	0.23	0.22	0.02	10.92	0.00	10.92	1.09	0.00	1.09
3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	1.31	13.56	11.00	0.03	0.00	0.55	0.55	0.00	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2.50	11.78	18.17	0.03	0.00	0.58	0.58	0.00	0.53	0.53	0.10	0.04	0.05	0.01	3.47	0.00	3.48	0.35	0.00	0.35
3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	5.28	39.56	46.49	0.09	0.00	1.74	1.74	0.00	1.60	1.60	0.12	0.04	0.08	0.01	5.10	0.00	5.10	0.51	0.00	0.51

World Logistics Center Construction - Plots 2,4,9,1,3, and 20

Regional Emissions Unmitigated

Summer	Offsite Mobile Emissions									
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Source	lb/day									
3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	0.24	3.55	3.90	0.02	1.30	0.06	1.36	0.35	0.06	0.41
3.3 Plots 2 and 4 (2020) Finish Grading - 2020	0.05	0.49	1.07	0.00	0.33	0.01	0.34	0.09	0.01	0.10
3.4 Plots 2 and 4 (2020) Utilities - 2020	0.47	10.72	4.59	0.04	1.86	0.18	2.04	0.51	0.17	0.68
3.5 Plots 2 and 4 (2020) Landscaping - 2020	0.07	1.21	0.90	0.01	0.33	0.02	0.35	0.09	0.02	0.11
3.6 Plots 2 and 4 (2020) Building Concrete - 2020	0.29	7.35	2.85	0.03	1.15	0.11	1.26	0.31	0.10	0.41
3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	0.24	5.01	2.58	0.02	1.00	0.09	1.09	0.28	0.08	0.36
3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	0.23	5.79	1.98	0.02	0.84	0.09	0.93	0.23	0.09	0.32
3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	0.08	1.40	0.94	0.01	0.35	0.03	0.38	0.10	0.03	0.12
3.11 Plots 2 and 4 (2020) Paving - 2020	0.12	1.77	1.96	0.01	0.66	0.03	0.69	0.18	0.03	0.21
3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	0.07	1.39	0.91	0.01	0.33	0.02	0.36	0.09	0.02	0.11
3.13 Plot 4 (2021) Mass Excavation - 2021	0.21	3.15	3.51	0.02	1.30	0.05	1.35	0.35	0.05	0.40
3.14 Plot 4 (2021) Finish Grading - 2021	0.05	0.45	0.97	0.00	0.34	0.01	0.34	0.09	0.01	0.10
3.15 Plot 4 (2021) Utilities - 2021	0.39	9.54	4.12	0.04	1.86	0.15	2.01	0.51	0.14	0.66
3.16 Plot 4 (2021) Building-Concrete - 2021	0.25	6.61	2.58	0.03	1.15	0.09	1.24	0.31	0.09	0.40
3.17 Plot 4 (2021) Building-Wet Utilities - 2021	0.25	6.61	2.58	0.03	1.15	0.09	1.24	0.31	0.09	0.40
3.18 Plot 4 (2021) Building-Electrical - 2021	0.19	5.19	1.79	0.02	0.84	0.07	0.92	0.23	0.07	0.30
3.19 Plot 4 (2021) Building-Landscaping - 2021	0.07	1.23	0.84	0.01	0.35	0.02	0.37	0.10	0.02	0.12
3.20 Plot 4 (2021) Landscaping - 2021	0.06	1.06	0.81	0.01	0.33	0.02	0.35	0.09	0.02	0.11
3.21 Plot 4 (2021) Temporary Utilities - 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	0.06	1.23	0.82	0.01	0.33	0.02	0.35	0.09	0.02	0.11
3.23 Plot 4 (2021) Paving - 2021	0.11	1.56	1.77	0.01	0.66	0.03	0.68	0.18	0.03	0.20
3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	0.19	3.90	3.34	0.02	1.47	0.04	1.52	0.40	0.04	0.44
3.25 Plots 4 and 9 (2022) Finish Grading - 2022	0.04	0.68	0.80	0.00	0.34	0.01	0.35	0.09	0.01	0.10
3.26 Plots 4 and 9 (2022) Utilities - 2022	0.16	4.49	2.11	0.02	1.10	0.05	1.15	0.30	0.05	0.35
3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	0.19	5.42	2.90	0.03	1.40	0.05	1.45	0.38	0.05	0.43
3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	0.14	3.68	1.99	0.02	1.01	0.04	1.05	0.28	0.04	0.32
3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	0.09	2.68	1.25	0.01	0.64	0.03	0.67	0.17	0.03	0.20
3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	0.11	3.33	1.48	0.02	0.75	0.03	0.78	0.20	0.03	0.24
3.31 Plots 4 and 9 (2022) Landscaping - 2022	0.15	4.41	2.10	0.02	1.10	0.05	1.14	0.30	0.05	0.35
3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	0.09	2.71	1.12	0.01	0.59	0.03	0.62	0.16	0.03	0.19
3.34 Plots 4 and 9 (2022) Paving - 2022	0.06	1.07	1.13	0.01	0.49	0.01	0.51	0.13	0.01	0.15
3.35 Plot 9 (2023) Mass Excavation - 2023	0.13	3.86	3.12	0.03	1.65	0.03	1.68	0.45	0.03	0.48
3.36 Plot 9 (2023) Finish Grading - 2023	0.03	0.72	0.62	0.01	0.35	0.01	0.36	0.10	0.01	0.10
3.37 Plot 9 (2023) Utilities - 2023	0.03	0.76	0.62	0.01	0.33	0.01	0.34	0.09	0.01	0.10
3.38 Plot 9 (2023) Building-Concrete - 2023	0.13	3.86	3.12	0.03	1.65	0.03	1.68	0.45	0.03	0.48
3.39 Plot 9 (2023) Building-Wet Utilities - 2023	0.07	2.72	1.71	0.02	1.01	0.02	1.03	0.28	0.02	0.30
3.40 Plot 9 (2023) Building-Electrical - 2023	0.03	0.70	0.86	0.01	0.43	0.01	0.44	0.12	0.01	0.12
3.41 Plot 9 (2023) Building-Landscaping - 2023	0.09	4.27	1.94	0.02	1.15	0.04	1.19	0.31	0.03	0.35
3.42 Plot 9 (2023) Interchange - 2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.43 Plot 9 (2023) Landscaping - 2023	0.13	5.91	3.00	0.04	1.86	0.05	1.91	0.51	0.05	0.56
3.44 Plot 9 (2023) Temporary Utilities - 2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	0.06	3.29	1.30	0.02	0.84	0.03	0.87	0.23	0.03	0.26
3.46 Plot 9 (2023) Paving - 2023	0.02	0.62	0.61	0.01	0.33	0.01	0.33	0.09	0.01	0.10
3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	0.11	2.69	2.74	0.02	1.43	0.02	1.46	0.39	0.02	0.41
3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	0.07	3.33	1.72	0.02	1.10	0.03	1.12	0.30	0.03	0.33
3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	0.07	3.33	1.72	0.02	1.10	0.03	1.12	0.30	0.03	0.33
3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	0.10	4.05	2.41	0.03	1.40	0.04	1.43	0.38	0.03	0.41
3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	0.07	2.72	1.62	0.02	1.00	0.02	1.03	0.28	0.02	0.30
3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	0.04	1.99	1.03	0.01	0.64	0.02	0.65	0.17	0.02	0.19
3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	0.05	2.49	1.23	0.01	0.75	0.02	0.77	0.20	0.02	0.22
3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	0.03	0.98	0.74	0.01	0.40	0.01	0.41	0.11	0.01	0.12
3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	0.07	3.27	1.71	0.02	1.09	0.03	1.12	0.30	0.03	0.33
3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	0.02	0.74	0.59	0.01	0.34	0.01	0.35	0.09	0.01	0.10
3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	0.04	0.79	0.93	0.01	0.49	0.01	0.50	0.13	0.01	0.14

Regional Emissions	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	45.43	542.41	300.00	0.73	38.52	20.30	58.81	12.04	18.68	30.71
3.3 Plots 2 and 4 (2020) Finish Grading - 2020	1.31	12.38	9.37	0.02	15.84	0.70	16.54	6.92	0.64	7.56
3.4 Plots 2 and 4 (2020) Utilities - 2020	13.63	135.81	108.69	0.36	20.37	5.63	26.00	2.36	5.19	7.55
3.5 Plots 2 and 4 (2020) Landscaping - 2020	3.99	34.40	37.01	0.06	3.66	1.94	5.60	0.42	1.79	2.21
3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2.47	26.50	23.31	0.06	12.74	1.23	13.96	1.47	1.17	2.64
3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	8.47	83.31	81.04	0.18	11.07	4.21	15.28	1.28	3.88	5.16
3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	3.19	30.62	28.17	0.06	9.19	1.62	10.82	1.06	1.50	2.56
3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	1.82	21.98	15.14	0.03	0.00	0.88	0.88	0.00	0.81	0.81
3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	3.57	30.41	31.45	0.06	3.89	1.74	5.63	0.45	1.60	2.05
3.11 Plots 2 and 4 (2020) Paving - 2020	6.91	60.70	52.50	0.10	7.53	2.84	10.37	0.86	2.62	3.48
3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2.32	10.34	10.74	0.03	3.74	0.54	4.28	0.43	0.50	0.93
3.13 Plot 4 (2021) Mass Excavation - 2021	56.78	662.31	374.92	0.90	35.76	25.10	60.86	10.44	23.09	33.54
3.14 Plot 4 (2021) Finish Grading - 2021	1.23	11.59	9.20	0.02	15.86	0.64	16.51	6.92	0.59	7.52
3.15 Plot 4 (2021) Utilities - 2021	14.51	137.16	121.89	0.42	20.39	5.50	25.88	2.36	5.06	7.42
3.16 Plot 4 (2021) Building-Concrete - 2021	3.75	39.12	40.62	0.09	12.76	1.92	14.68	1.47	1.81	3.28
3.17 Plot 4 (2021) Building-Wet Utilities - 2021	7.82	78.70	83.48	0.17	12.76	3.80	16.56	1.47	3.50	4.97
3.18 Plot 4 (2021) Building-Electrical - 2021	5.38	49.35	52.56	0.10	9.21	2.60	11.81	1.07	2.40	3.46
3.19 Plot 4 (2021) Building-Landscaping - 2021	3.51	29.96	34.35	0.06	3.89	1.63	5.52	0.45	1.50	1.95
3.20 Plot 4 (2021) Landscaping - 2021	3.67	31.44	36.66	0.06	3.66	1.71	5.37	0.42	1.57	2.00
3.21 Plot 4 (2021) Temporary Utilities - 2021	1.68	19.59	13.93	0.03	0.00	0.79	0.79	0.00	0.73	0.73
3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2.24	9.45	10.63	0.03	3.75	0.47	4.22	0.43	0.44	0.87
3.23 Plot 4 (2021) Paving - 2021	6.51	55.40	51.10	0.10	7.53	2.54	10.07	0.86	2.34	3.20
3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	59.33	682.54	394.79	0.98	54.10	25.76	79.86	17.63	23.70	41.33
3.25 Plots 4 and 9 (2022) Finish Grading - 2022	3.80	37.24	34.53	0.06	21.93	1.98	23.91	10.18	1.82	12.00
3.26 Plots 4 and 9 (2022) Utilities - 2022	12.58	109.97	117.64	0.39	12.08	4.40	16.48	1.40	4.05	5.45
3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	3.47	34.60	40.64	0.09	15.66	1.58	17.23	1.80	1.49	3.29
3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	6.79	61.87	79.11	0.17	11.09	2.94	14.03	1.28	2.71	3.99
3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	4.63	42.46	50.95	0.09	7.06	2.08	9.14	0.81	1.92	2.73
3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	3.15	28.94	35.12	0.07	8.34	1.38	9.72	0.96	1.27	2.23
3.31 Plots 4 and 9 (2022) Landscaping - 2022	3.52	31.15	37.64	0.09	12.03	1.46	13.49	1.39	1.34	2.73
3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	1.48	16.47	12.59	0.03	0.00	0.67	0.67	0.00	0.61	0.61
3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2.20	10.08	10.95	0.03	6.49	0.41	6.89	0.75	0.38	1.13
3.34 Plots 4 and 9 (2022) Paving - 2022	5.87	47.01	48.66	0.10	5.60	2.11	7.71	0.64	1.95	2.59
3.35 Plot 9 (2023) Mass Excavation - 2023	52.94	588.79	362.64	0.92	63.61	22.44	86.05	19.97	20.65	40.61
3.36 Plot 9 (2023) Finish Grading - 2023	2.06	19.13	16.72	0.04	22.13	1.01	23.14	10.20	0.93	11.13
3.37 Plot 9 (2023) Utilities - 2023	11.60	94.91	115.22	0.36	3.75	3.80	7.55	0.43	3.50	3.93
3.38 Plot 9 (2023) Building-Concrete - 2023	3.30	30.75	40.76	0.10	18.53	1.34	19.87	2.13	1.26	3.39
3.39 Plot 9 (2023) Building-Wet Utilities - 2023	6.26	54.61	78.61	0.17	11.09	2.53	13.62	1.28	2.33	3.61
3.40 Plot 9 (2023) Building-Electrical - 2023	4.25	37.77	50.21	0.08	4.89	1.77	6.65	0.56	1.63	2.19
3.41 Plot 9 (2023) Building-Landscaping - 2023	2.86	27.69	35.46	0.08	12.79	1.18	13.97	1.47	1.09	2.56
3.42 Plot 9 (2023) Interchange - 2023	5.88	57.35	45.97	0.10	0.00	2.52	2.52	0.00	2.32	2.32
3.43 Plot 9 (2023) Landscaping - 2023	3.42	30.41	38.43	0.12	20.41	1.25	21.66	2.36	1.15	3.51
3.44 Plot 9 (2023) Temporary Utilities - 2023	1.34	14.29	11.44	0.03	0.00	0.58	0.58	0.00	0.53	0.53
3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2.22	10.82	12.17	0.04	9.23	0.40	9.62	1.07	0.37	1.44
3.46 Plot 9 (2023) Paving - 2023	5.59	43.01	47.48	0.10	3.66	1.90	5.56	0.42	1.75	2.17
3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	39.57	418.03	274.52	0.77	44.08	15.92	59.99	12.65	14.64	27.29
3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	1.44	13.90	13.29	0.05	27.14	0.57	27.72	9.51	0.53	10.03
3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	11.58	92.31	117.53	0.39	12.06	3.51	15.57	1.39	3.23	4.62
3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	3.01	29.50	40.09	0.09	15.62	1.18	16.80	1.80	1.11	2.91
3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	5.94	49.93	78.60	0.17	11.07	2.23	13.31	1.28	2.05	3.33
3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	3.97	37.12	50.18	0.09	7.04	1.54	8.58	0.81	1.42	2.23
3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2.67	23.97	34.51	0.07	8.31	1.03	9.34	0.96	0.94	1.90
3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	5.62	53.46	45.56	0.11	4.54	2.29	6.83	0.52	2.11	2.63
3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	3.00	25.73	36.89	0.09	12.01	1.08	13.10	1.39	1.00	2.39
3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	1.31	13.56	11.00	0.03	0.00	0.55	0.55	0.00	0.50	0.50
3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2.63	12.56	18.81	0.04	3.82	0.59	4.40	0.44	0.54	0.98
3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	5.44	40.39	47.50	0.10	5.60	1.75	7.34	0.64	1.61	2.25
2020	317.53	988.86	697.40	1.68	126.55	41.63	168.19	27.30	38.37	65.67
2021	331.49	1124.07	829.34	1.97	125.58	46.70	172.28	25.90	43.02	68.93
2022	331.25	1102.34	862.62	2.10	154.38	44.76	199.13	36.85	41.22	78.07
2023	326.16	1009.52	855.11	2.12	170.07	40.71	210.78	39.90	37.49	77.39
2024	310.60	810.46	768.49	1.99	151.29	32.24	183.53	31.40	29.69	61.09
Daily Maximum	**331.49**	**1124.07**	**862.62**	**2.12**	**170.07**	**46.70**	**210.78**	**39.90**	**43.02**	**78.07**
SCAQMD Regional Significance Thresholds	75.00	100.00	550.00	150.00			150.00			55.00
Exceeds Threshold?	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes

	VOC Summary
2020	224.42
2021	224.42
2022	224.42
2023	224.42
2024	224.42

World Logistics Center Construction - Plots 2,4,9,1,3, and 20

Localized Emissions Unmitigated

Summer	Onsite Emissions										Onsite Mobile Emissions									
Source	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
	lb/day										lb/day									
3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	44.97	538.70	295.82	0.70	23.58	20.23	43.81	10.33	18.61	28.94	0.22	0.17	0.28	0.01	13.64	0.00	13.64	1.36	0.00	1.36
3.3 Plots 2 and 4 (2020) Finish Grading - 2020	1.20	11.87	8.24	0.01	11.95	0.69	12.64	6.48	0.63	7.11	0.05	0.02	0.06	0.00	3.56	0.00	3.56	0.36	0.00	0.36
3.4 Plots 2 and 4 (2020) Utilities - 2020	12.67	124.56	103.65	0.29	0.00	5.45	5.45	0.00	5.01	5.01	0.49	0.53	0.45	0.03	18.51	0.01	18.51	1.85	0.00	1.85
3.5 Plots 2 and 4 (2020) Landscaping - 2020	3.81	33.15	36.05	0.05	0.00	1.92	1.92	0.00	1.77	1.77	0.11	0.04	0.05	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2.08	18.67	20.08	0.03	0.00	1.11	1.11	0.00	1.07	1.07	0.09	0.48	0.38	0.00	11.59	0.00	11.59	1.16	0.00	1.16
3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	7.94	78.08	78.24	0.14	0.00	4.12	4.12	0.00	3.79	3.79	0.29	0.23	0.21	0.02	10.07	0.00	10.07	1.01	0.00	1.01
3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2.83	24.48	25.93	0.04	0.00	1.53	1.53	0.00	1.41	1.41	0.13	0.34	0.26	0.01	8.35	0.00	8.35	0.83	0.00	0.84
3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	1.82	21.98	15.14	0.03	0.00	0.88	0.88	0.00	0.81	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	3.36	28.97	30.45	0.04	0.00	1.71	1.71	0.00	1.57	1.57	0.13	0.04	0.06	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.11 Plots 2 and 4 (2020) Paving - 2020	6.66	58.86	50.40	0.09	0.00	2.81	2.81	0.00	2.59	2.59	0.13	0.07	0.13	0.01	6.87	0.00	6.87	0.69	0.00	0.69
3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2.16	8.88	9.75	0.01	0.00	0.51	0.51	0.00	0.47	0.47	0.08	0.06	0.07	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.13 Plot 4 (2021) Mass Excavation - 2021	56.36	659.00	371.13	0.87	20.82	25.05	45.86	8.73	23.04	31.77	0.21	0.16	0.27	0.01	13.64	0.00	13.64	1.36	0.00	1.36
3.14 Plot 4 (2021) Finish Grading - 2021	1.13	11.12	8.17	0.01	11.95	0.63	12.58	6.48	0.58	7.06	0.05	0.02	0.06	0.00	3.58	0.00	3.58	0.36	0.00	0.36
3.15 Plot 4 (2021) Utilities - 2021	13.63	127.11	117.34	0.35	0.00	5.34	5.34	0.00	4.91	4.91	0.48	0.51	0.43	0.03	18.53	0.01	18.53	1.85	0.00	1.85
3.16 Plot 4 (2021) Building-Concrete - 2021	3.42	32.05	37.66	0.06	0.00	1.83	1.83	0.00	1.72	1.72	0.08	0.46	0.37	0.00	11.61	0.00	11.62	1.16	0.00	1.16
3.17 Plot 4 (2021) Building-Wet Utilities - 2021	7.50	71.63	80.53	0.14	0.00	3.71	3.71	0.00	3.41	3.41	0.08	0.46	0.37	0.00	11.61	0.00	11.62	1.16	0.00	1.16
3.18 Plot 4 (2021) Building-Electrical - 2021	5.06	43.83	50.52	0.07	0.00	2.52	2.52	0.00	2.32	2.32	0.13	0.33	0.25	0.01	8.37	0.00	8.37	0.84	0.00	0.84
3.19 Plot 4 (2021) Building-Landscaping - 2021	3.31	28.69	33.45	0.05	0.00	1.61	1.61	0.00	1.48	1.48	0.13	0.04	0.05	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.20 Plot 4 (2021) Landscaping - 2021	3.50	30.34	35.81	0.05	0.00	1.69	1.69	0.00	1.55	1.55	0.11	0.03	0.05	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.21 Plot 4 (2021) Temporary Utilities - 2021	1.68	19.59	13.93	0.03	0.00	0.79	0.79	0.00	0.73	0.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2.10	8.15	9.74	0.01	0.00	0.45	0.45	0.00	0.42	0.42	0.08	0.06	0.07	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.23 Plot 4 (2021) Paving - 2021	6.27	53.77	49.21	0.09	0.00	2.51	2.51	0.00	2.31	2.31	0.13	0.07	0.13	0.01	6.87	0.00	6.88	0.69	0.00	0.69
3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	58.88	678.40	391.14	0.94	37.36	25.71	63.07	15.71	23.65	39.36	0.26	0.24	0.31	0.01	15.27	0.00	15.27	1.52	0.00	1.52
3.25 Plots 4 and 9 (2022) Finish Grading - 2022	3.67	36.53	33.68	0.05	18.03	1.97	20.00	9.73	1.81	11.54	0.09	0.03	0.05	0.00	3.56	0.00	3.56	0.36	0.00	0.36
3.26 Plots 4 and 9 (2022) Utilities - 2022	12.15	105.21	115.29	0.35	0.00	4.35	4.35	0.00	4.00	4.00	0.28	0.27	0.24	0.02	10.98	0.00	10.98	1.10	0.00	1.10
3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	3.08	28.79	37.38	0.06	0.00	1.52	1.52	0.00	1.43	1.43	0.20	0.38	0.36	0.01	14.26	0.00	14.26	1.42	0.00	1.42
3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	6.37	57.99	76.93	0.14	0.00	2.90	2.90	0.00	2.67	2.67	0.28	0.20	0.20	0.02	10.08	0.00	10.08	1.01	0.00	1.01
3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	4.41	39.61	49.55	0.07	0.00	2.05	2.05	0.00	1.89	1.89	0.12	0.18	0.16	0.01	6.42	0.00	6.42	0.64	0.00	0.64
3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2.94	25.37	33.43	0.05	0.00	1.34	1.34	0.00	1.24	1.24	0.10	0.24	0.21	0.01	7.59	0.00	7.59	0.76	0.00	0.76
3.31 Plots 4 and 9 (2022) Landscaping - 2022	3.08	26.49	35.30	0.05	0.00	1.41	1.41	0.00	1.29	1.29	0.29	0.26	0.23	0.02	10.94	0.00	10.94	1.09	0.00	1.09
3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	1.48	16.47	12.59	0.03	0.00	0.67	0.67	0.00	0.61	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2.01	7.18	9.67	0.01	0.00	0.38	0.38	0.00	0.35	0.35	0.10	0.19	0.16	0.01	5.90	0.00	5.90	0.59	0.00	0.59
3.34 Plots 4 and 9 (2022) Paving - 2022	5.69	45.90	47.45	0.09	0.00	2.10	2.10	0.00	1.93	1.93	0.12	0.05	0.08	0.01	5.10	0.00	5.10	0.51	0.00	0.51
3.35 Plot 9 (2023) Mass Excavation - 2023	52.51	584.63	359.16	0.87	45.08	22.41	67.48	17.83	20.61	38.45	0.31	0.29	0.35	0.02	16.88	0.00	16.89	1.68	0.00	1.69
3.36 Plot 9 (2023) Finish Grading - 2023	1.91	18.37	16.06	0.02	18.24	1.00	19.24	9.75	0.92	10.67	0.13	0.03	0.04	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.37 Plot 9 (2023) Utilities - 2023	11.50	94.10	114.53	0.35	0.00	3.79	3.79	0.00	3.49	3.49	0.08	0.05	0.06	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.38 Plot 9 (2023) Building-Concrete - 2023	2.86	26.59	37.28	0.06	0.00	1.30	1.30	0.00	1.23	1.23	0.31	0.29	0.35	0.02	16.88	0.00	16.89	1.68	0.00	1.69
3.39 Plot 9 (2023) Building-Wet Utilities - 2023	5.91	51.71	76.71	0.14	0.00	2.50	2.50	0.00	2.30	2.30	0.28	0.18	0.19	0.02	10.08	0.00	10.08	1.01	0.00	1.01
3.40 Plot 9 (2023) Building-Electrical - 2023	4.10	37.04	49.29	0.07	0.00	1.76	1.76	0.00	1.62	1.62	0.11	0.03	0.06	0.01	4.46	0.00	4.46	0.44	0.00	0.44
3.41 Plot 9 (2023) Building-Landscaping - 2023	2.69	23.03	33.14	0.05	0.00	1.14	1.14	0.00	1.05	1.05	0.08	0.40	0.38	0.00	11.64	0.00	11.64	1.16	0.00	1.16
3.42 Plot 9 (2023) Interchange - 2023	5.88	57.35	45.97	0.10	0.00	2.52	2.52	0.00	2.32	2.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.43 Plot 9 (2023) Landscaping - 2023	2.82	24.07	35.01	0.05	0.00	1.20	1.20	0.00	1.10	1.10	0.47	0.44	0.41	0.03	18.55	0.00	18.55	1.85	0.00	1.85
3.44 Plot 9 (2023) Temporary Utilities - 2023	1.34	14.29	11.44	0.03	0.00	0.58	0.58	0.00	0.53	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2.03	7.24	10.62	0.02	0.00	0.37	0.37	0.00	0.34	0.34	0.13	0.29	0.25	0.01	8.38	0.00	8.38	0.84	0.00	0.84
3.46 Plot 9 (2023) Paving - 2023	5.46	42.36	46.83	0.09	0.00	1.89	1.89	0.00	1.74	1.74	0.11	0.03	0.04	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	39.22	415.15	271.50	0.74	27.75	15.89	43.64	10.78	14.62	25.40	0.24	0.20	0.28	0.01	14.90	0.00	14.90	1.49	0.00	1.49
3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	1.10	10.33	11.34	0.02	15.09	0.54	15.63	8.11	0.50	8.61	0.27	0.24	0.23	0.02	10.96	0.00	10.96	1.09	0.00	1.09
3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	11.23	88.73	115.58	0.35	0.00	3.48	3.48	0.00	3.20	3.20	0.27	0.24	0.23	0.02	10.96	0.00	10.96	1.09	0.00	1.09
3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2.72	25.11	37.32	0.06	0.00	1.14	1.14	0.00	1.08	1.08	0.19	0.34	0.36	0.01	14.22	0.00	14.23	1.42	0.00	1.42
3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	5.59	47.04	76.79	0.14	0.00	2.21	2.21	0.00	2.03	2.03	0.28	0.18	0.19	0.02	10.07	0.00	10.07	1.01	0.00	1.01
3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	3.81	34.97	48.99	0.07	0.00	1.53	1.53	0.00	1.41	1.41	0.12	0.16	0.15	0.01	6.40	0.00	6.40	0.64	0.00	0.64
3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2.52	21.27	33.08	0.05	0.00	1.00	1.00	0.00	0.92	0.92	0.10	0.21	0.21	0.01	7.56	0.00	7.57	0.76	0.00	0.76
3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	5.55	52.39	44.73	0.10	0.00	2.28	2.28	0.00	2.10	2.10	0.05	0.08	0.10	0.00	4.14	0.00	4.14	0.41	0.00	0.41
3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2.64	22.23	34.96	0.05	0.00	1.05	1.05	0.00	0.97	0.97	0.29	0.23	0.22	0.02	10.92	0.00	10.92	1.09	0.00	1.09
3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	1.31	13.56	11.00	0.03	0.00	0.55	0.55	0.00	0.50	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2.50	11.78	18.17	0.03	0.00	0.58	0.58	0.00	0.53	0.53	0.10	0.04	0.05	0.01	3.47	0.00	3.48	0.35	0.00	0.35
3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	5.28	39.56	46.49	0.09	0.00	1.74	1.74	0.00	1.60	1.60	0.12	0.04	0.08	0.01	5.10	0.00	5.10	0.51	0.00	0.51

Localized Emissions	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	45.19	538.87	296.10	0.71	37.22	20.24	57.45	11.69	18.62	30.30
3.3 Plots 2 and 4 (2020) Finish Grading - 2020	1.25	11.89	8.30	0.01	15.51	0.69	16.20	6.83	0.63	7.47
3.4 Plots 2 and 4 (2020) Utilities - 2020	13.16	125.09	104.10	0.31	18.51	5.45	23.96	1.85	5.02	6.86
3.5 Plots 2 and 4 (2020) Landscaping - 2020	3.92	33.19	36.11	0.06	3.33	1.92	5.25	0.33	1.77	2.10
3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2.17	19.15	20.46	0.03	11.59	1.12	12.71	1.16	1.07	2.23
3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	8.23	78.30	78.46	0.16	10.07	4.12	14.19	1.01	3.79	4.80
3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2.96	24.83	26.18	0.04	8.35	1.53	9.89	0.83	1.41	2.25
3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	1.82	21.98	15.14	0.03	0.00	0.88	0.88	0.00	0.81	0.81
3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	3.49	29.01	30.51	0.05	3.54	1.71	5.25	0.35	1.57	1.93
3.11 Plots 2 and 4 (2020) Paving - 2020	6.79	58.93	50.53	0.09	6.87	2.81	9.68	0.69	2.59	3.27
3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2.24	8.95	9.82	0.02	3.41	0.51	3.92	0.34	0.47	0.81
3.13 Plot 4 (2021) Mass Excavation - 2021	56.57	659.17	371.40	0.88	34.46	25.05	59.51	10.09	23.04	33.14
3.14 Plot 4 (2021) Finish Grading - 2021	1.18	11.14	8.23	0.01	15.53	0.63	16.16	6.83	0.58	7.42
3.15 Plot 4 (2021) Utilities - 2021	14.12	127.62	117.78	0.37	18.53	5.35	23.87	1.85	4.92	6.77
3.16 Plot 4 (2021) Building-Concrete - 2021	3.50	32.52	38.04	0.06	11.61	1.83	13.44	1.16	1.72	2.88
3.17 Plot 4 (2021) Building-Wet Utilities - 2021	7.58	72.09	80.90	0.15	11.61	3.71	15.32	1.16	3.41	4.57
3.18 Plot 4 (2021) Building-Electrical - 2021	5.19	44.16	50.77	0.07	8.37	2.53	10.89	0.84	2.33	3.16
3.19 Plot 4 (2021) Building-Landscaping - 2021	3.44	28.73	33.51	0.05	3.54	1.61	5.15	0.35	1.48	1.83
3.20 Plot 4 (2021) Landscaping - 2021	3.61	30.38	35.86	0.06	3.33	1.69	5.02	0.33	1.55	1.89
3.21 Plot 4 (2021) Temporary Utilities - 2021	1.68	19.59	13.93	0.03	0.00	0.79	0.79	0.00	0.73	0.73
3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2.18	8.21	9.81	0.02	3.41	0.45	3.86	0.34	0.42	0.76
3.23 Plot 4 (2021) Paving - 2021	6.41	53.84	49.34	0.09	6.87	2.51	9.39	0.69	2.31	3.00
3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	59.14	678.64	391.45	0.95	52.63	25.71	78.34	17.23	23.66	40.88
3.25 Plots 4 and 9 (2022) Finish Grading - 2022	3.76	36.56	33.74	0.05	21.59	1.97	23.56	10.08	1.81	11.89
3.26 Plots 4 and 9 (2022) Utilities - 2022	12.43	105.48	115.53	0.36	10.98	4.35	15.33	1.10	4.00	5.10
3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	3.27	29.18	37.74	0.07	14.26	1.52	15.78	1.42	1.43	2.86
3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	6.66	58.19	77.13	0.16	10.08	2.90	12.98	1.01	2.67	3.67
3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	4.53	39.79	49.70	0.07	6.42	2.05	8.47	0.64	1.89	2.53
3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	3.05	25.61	33.64	0.05	7.59	1.35	8.93	0.76	1.24	2.00
3.31 Plots 4 and 9 (2022) Landscaping - 2022	3.37	26.75	35.53	0.07	10.94	1.41	12.35	1.09	1.29	2.39
3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	1.48	16.47	12.59	0.03	0.00	0.67	0.67	0.00	0.61	0.61
3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2.11	7.37	9.83	0.02	5.90	0.38	6.28	0.59	0.35	0.94
3.34 Plots 4 and 9 (2022) Paving - 2022	5.81	45.94	47.53	0.09	5.10	2.10	7.20	0.51	1.93	2.44
3.35 Plot 9 (2023) Mass Excavation - 2023	52.82	584.92	359.52	0.89	61.96	22.41	84.37	19.52	20.61	40.13
3.36 Plot 9 (2023) Finish Grading - 2023	2.04	18.41	16.10	0.03	21.77	1.00	22.78	10.10	0.92	11.03
3.37 Plot 9 (2023) Utilities - 2023	11.58	94.15	114.59	0.35	3.41	3.79	7.21	0.34	3.49	3.83
3.38 Plot 9 (2023) Building-Concrete - 2023	3.17	26.89	37.63	0.07	16.88	1.30	18.18	1.68	1.23	2.91
3.39 Plot 9 (2023) Building-Wet Utilities - 2023	6.19	51.89	76.90	0.16	10.08	2.51	12.59	1.01	2.30	3.31
3.40 Plot 9 (2023) Building-Electrical - 2023	4.22	37.08	49.35	0.07	4.46	1.76	6.22	0.44	1.62	2.07
3.41 Plot 9 (2023) Building-Landscaping - 2023	2.77	23.43	33.52	0.05	11.64	1.14	12.78	1.16	1.05	2.21
3.42 Plot 9 (2023) Interchange - 2023	5.88	57.35	45.97	0.10	0.00	2.52	2.52	0.00	2.32	2.32
3.43 Plot 9 (2023) Landscaping - 2023	3.29	24.51	35.43	0.08	18.55	1.20	19.75	1.85	1.10	2.96
3.44 Plot 9 (2023) Temporary Utilities - 2023	1.34	14.29	11.44	0.03	0.00	0.58	0.58	0.00	0.53	0.53
3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2.16	7.52	10.87	0.02	8.38	0.37	8.75	0.84	0.34	1.18
3.46 Plot 9 (2023) Paving - 2023	5.57	42.38	46.87	0.09	3.33	1.89	5.23	0.33	1.74	2.08
3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	39.46	415.34	271.78	0.75	42.64	15.89	58.54	12.26	14.62	26.88
3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	1.37	10.57	11.57	0.03	26.05	0.54	26.59	9.21	0.50	9.71
3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	11.50	88.97	115.81	0.36	10.96	3.48	14.44	1.09	3.20	4.30
3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2.91	25.45	37.68	0.07	14.22	1.15	15.37	1.42	1.08	2.50
3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	5.87	47.22	76.98	0.16	10.07	2.21	12.28	1.01	2.03	3.04
3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	3.93	35.13	49.15	0.07	6.40	1.53	7.93	0.64	1.41	2.04
3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2.62	21.48	33.29	0.05	7.56	1.00	8.57	0.76	0.92	1.68
3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	5.59	52.48	44.83	0.10	4.14	2.28	6.42	0.41	2.10	2.51
3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2.93	22.46	35.18	0.07	10.92	1.06	11.98	1.09	0.97	2.06
3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	1.31	13.56	11.00	0.03	0.00	0.55	0.55	0.00	0.50	0.50
3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2.61	11.82	18.22	0.03	3.47	0.58	4.05	0.35	0.53	0.88
3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	5.40	39.61	46.57	0.09	5.10	1.74	6.84	0.51	1.60	2.11
2020	315.65	950.19	675.71	1.51	118.40	40.99	159.38	25.07	37.75	62.83
2021	329.87	1087.45	809.56	1.80	117.27	46.14	163.41	23.64	42.49	66.13
2022	330.03	1069.97	844.41	1.93	145.49	44.41	189.89	34.42	40.89	75.31
2023	325.44	982.81	838.19	1.94	160.46	40.48	200.95	37.28	37.27	74.55
2024	309.92	784.09	752.04	1.82	141.54	32.01	173.56	28.74	29.48	58.22
Daily Maximum	**330.03**	**1087.45**	**844.41**	**1.94**	**160.46**	**46.14**	**200.95**	**37.28**	**42.49**	**75.31**

	VOC Summary
2020	224.42
2021	224.42
2022	224.42
2023	224.42
2024	224.42

ONSITE Mobile Emissions		ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2.18E-01	1.73E-01	2.81E-01	9.98E-03	1.36E+01	1.93E-03	1.36E+01	1.36E+00	1.35E-03	1.36E+00	5.56E+01	1.17E+00	1.06E-02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	5.22E-02	1.84E-02	6.49E-02	2.19E-03	3.56E+00	3.48E-04	3.56E+00	3.55E-01	2.20E-04	3.55E-01	9.47E+00	2.61E-01	1.16E-03
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	4.88E-01	5.34E-01	4.46E-01	2.75E-02	1.85E+01	5.32E-03	1.85E+01	1.85E+00	3.72E-03	1.85E+00	1.33E+02	3.25E+00	3.13E-02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	1.13E-01	3.66E-02	5.40E-02	6.42E-03	3.33E+00	8.47E-04	3.33E+00	3.32E-01	4.80E-04	3.33E-01	1.28E+01	7.79E-01	1.73E-03
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	8.71E-02	4.79E-01	3.77E-01	3.11E-03	1.16E+01	2.55E-03	1.16E+01	1.16E+00	2.33E-03	1.16E+00	1.09E+02	2.66E-01	3.05E-02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2.90E-01	2.25E-01	2.15E-01	1.63E-02	1.01E+01	2.75E-03	1.01E+01	1.01E+00	1.80E-03	1.01E+00	6.01E+01	1.95E+00	1.28E-02
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	1.34E-01	3.44E-01	2.56E-01	7.03E-03	8.35E+00	2.31E-03	8.35E+00	8.34E-01	1.88E-03	8.36E-01	7.89E+01	7.82E-01	2.13E-02
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	1.30E-01	4.20E-02	5.64E-02	7.49E-03	3.54E+00	9.80E-04	3.54E+00	3.53E-01	5.52E-04	3.54E-01	1.43E+01	9.09E-01	1.95E-03
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	1.33E-01	7.47E-02	1.32E-01	6.55E-03	6.87E+00	1.07E-03	6.87E+00	6.86E-01	6.94E-04	6.87E-01	2.58E+01	7.81E-01	4.40E-03
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	8.15E-02	6.38E-02	7.18E-02	4.37E-03	3.41E+00	7.61E-04	3.41E+00	3.40E-01	5.07E-04	3.41E-01	1.79E+01	5.20E-01	3.70E-03
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2.13E-01	1.64E-01	2.69E-01	9.96E-03	1.36E+01	1.84E-03	1.36E+01	1.36E+00	1.15E-03	1.36E+00	5.45E+01	1.15E+00	1.04E-02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	5.08E-02	1.86E-02	6.22E-02	2.19E-03	3.58E+00	3.48E-04	3.58E+00	3.57E-01	1.96E-04	3.57E-01	9.55E+00	2.57E-01	1.22E-03
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	4.83E-01	5.10E-01	4.35E-01	2.74E-02	1.85E+01	5.02E-03	1.85E+01	1.85E+00	3.12E-03	1.85E+00	1.31E+02	3.20E+00	3.10E-02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	8.38E-02	4.61E-01	3.74E-01	3.09E-03	1.16E+01	2.20E-03	1.16E+01	1.16E+00	1.96E-03	1.16E+00	1.08E+02	2.62E-01	3.03E-02
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	8.38E-02	4.61E-01	3.74E-01	3.09E-03	1.16E+01	2.20E-03	1.16E+01	1.16E+00	1.96E-03	1.16E+00	1.08E+02	2.62E-01	3.03E-02
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	1.32E-01	3.31E-01	2.53E-01	7.01E-03	8.37E+00	2.08E-03	8.37E+00	8.35E-01	1.58E-03	8.37E-01	7.77E+01	7.71E-01	2.11E-02
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	1.29E-01	3.92E-02	5.28E-02	7.48E-03	3.54E+00	9.77E-04	3.54E+00	3.53E-01	4.62E-04	3.54E-01	1.40E+01	8.95E-01	1.90E-03
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	1.12E-01	3.41E-02	5.05E-02	6.41E-03	3.33E+00	8.44E-04	3.33E+00	3.32E-01	4.02E-04	3.33E-01	1.25E+01	7.67E-01	1.68E-03
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	8.03E-02	6.07E-02	6.91E-02	4.36E-03	3.41E+00	7.29E-04	3.41E+00	3.41E-01	4.27E-04	3.41E-01	1.76E+01	5.12E-01	3.65E-03
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	1.31E-01	7.05E-02	1.26E-01	6.53E-03	6.87E+00	1.04E-03	6.88E+00	6.86E-01	5.88E-04	6.87E-01	2.53E+01	7.69E-01	4.30E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2.61E-01	2.37E-01	3.08E-01	1.33E-02	1.53E+01	2.23E-03	1.53E+01	1.52E+00	9.97E-04	1.52E+00	7.25E+01	1.51E+00	1.55E-02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	8.85E-02	2.63E-02	5.37E-02	4.84E-03	3.56E+00	6.56E-04	3.56E+00	3.55E-01	2.02E-04	3.55E-01	1.14E+01	5.65E-01	1.50E-03
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2.78E-01	2.69E-01	2.43E-01	1.59E-02	1.10E+01	2.53E-03	1.10E+01	1.10E+00	1.05E-03	1.10E+00	7.23E+01	1.82E+00	1.70E-02
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	1.98E-01	3.81E-01	3.64E-01	9.86E-03	1.43E+01	2.12E-03	1.43E+01	1.42E+00	1.23E-03	1.42E+00	9.87E+01	1.07E+00	2.54E-02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2.83E-01	2.01E-01	1.98E-01	1.63E-02	1.01E+01	2.41E-03	1.01E+01	1.01E+00	8.93E-04	1.01E+00	5.75E+01	1.88E+00	1.24E-02
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	1.23E-01	1.76E-01	1.59E-01	6.74E-03	6.42E+00	1.23E-03	6.42E+00	6.41E-01	6.06E-04	6.41E-01	4.58E+01	7.55E-01	1.15E-02
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	1.04E-01	2.38E-01	2.09E-01	5.28E-03	7.59E+00	1.21E-03	7.59E+00	7.57E-01	7.30E-04	7.58E-01	5.95E+01	5.67E-01	1.59E-02
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2.94E-01	2.56E-01	2.33E-01	1.70E-02	1.09E+01	2.61E-03	1.09E+01	1.09E+00	1.04E-03	1.09E+00	6.98E+01	1.95E+00	1.61E-02
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	1.04E-01	1.86E-01	1.57E-01	5.69E-03	5.90E+00	1.12E-03	5.90E+00	5.89E-01	5.98E-04	5.89E-01	4.66E+01	6.29E-01	1.22E-02
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	1.20E-01	4.83E-02	8.29E-02	6.49E-03	5.10E+00	9.11E-04	5.10E+00	5.09E-01	3.04E-04	5.10E-01	1.84E+01	7.53E-01	2.91E-03
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	3.10E-01	2.91E-01	3.53E-01	1.71E-02	1.69E+01	2.63E-03	1.69E+01	1.68E+00	8.14E-04	1.69E+00	8.80E+01	1.82E+00	2.04E-02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	1.26E-01	3.23E-02	4.47E-02	7.71E-03	3.54E+00	9.71E-04	3.54E+00	3.53E-01	1.38E-04	3.53E-01	1.30E+01	8.47E-01	1.75E-03
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	7.80E-02	5.16E-02	6.39E-02	4.49E-03	3.41E+00	6.37E-04	3.41E+00	3.41E-01	1.56E-04	3.41E-01	1.64E+01	4.85E-01	3.48E-03
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	3.10E-01	2.91E-01	3.53E-01	1.71E-02	1.69E+01	2.63E-03	1.69E+01	1.68E+00	8.14E-04	1.69E+00	8.80E+01	1.82E+00	2.04E-02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2.80E-01	1.82E-01	1.92E-01	1.68E-02	1.01E+01	2.32E-03	1.01E+01	1.01E+00	5.24E-04	1.01E+00	5.50E+01	1.82E+00	1.21E-02
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	1.15E-01	3.49E-02	6.39E-02	6.64E-03	4.46E+00	8.70E-04	4.46E+00	4.45E-01	1.53E-04	4.45E-01	1.48E+01	7.26E-01	2.11E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	7.67E-02	4.00E-01	3.76E-01	3.09E-03	1.16E+01	1.14E-03	1.16E+01	1.16E+00	8.60E-04	1.16E+00	1.01E+02	2.47E-01	2.94E-02
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	4.72E-01	4.37E-01	4.15E-01	2.82E-02	1.85E+01	4.13E-03	1.85E+01	1.85E+00	1.12E-03	1.85E+00	1.22E+02	3.03E+00	2.98E-02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	1.27E-01	2.86E-01	2.53E-01	7.17E-03	8.38E+00	1.37E-03	8.38E+00	8.37E-01	6.34E-04	8.37E-01	7.26E+01	7.29E-01	2.04E-02
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	1.10E-01	2.81E-02	4.31E-02	6.61E-03	3.33E+00	8.38E-04	3.33E+00	3.32E-01	1.23E-04	3.33E-01	1.17E+01	7.26E-01	1.55E-03
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2.44E-01	1.96E-01	2.78E-01	1.29E-02	1.49E+01	1.99E-03	1.49E+01	1.49E+00	6.00E-04	1.49E+00	6.37E+01	1.37E+00	1.37E-02
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2.73E-01	2.42E-01	2.34E-01	1.61E-02	1.10E+01	2.37E-03	1.10E+01	1.09E+00	6.31E-04	1.09E+00	6.77E+01	1.73E+00	1.64E-02
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2.73E-01	2.42E-01	2.34E-01	1.61E-02	1.10E+01	2.37E-03	1.10E+01	1.09E+00	6.31E-04	1.09E+00	6.77E+01	1.73E+00	1.64E-02
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	1.90E-01	3.42E-01	3.57E-01	9.93E-03	1.42E+01	1.87E-03	1.42E+01	1.42E+00	8.24E-04	1.42E+00	9.23E+01	1.02E+00	2.45E-02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2.78E-01	1.81E-01	1.87E-01	1.65E-02	1.01E+01	2.31E-03	1.01E+01	1.01E+00	5.17E-04	1.01E+00	5.39E+01	1.79E+00	1.19E-02
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	1.20E-01	1.59E-01	1.55E-01	6.80E-03	6.40E+00	1.12E-03	6.40E+00	6.39E-01	3.88E-04	6.39E-01	4.28E+01	7.17E-01	1.11E-02
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	1.00E-01	2.14E-01	2.07E-01	5.32E-03	7.56E+00	1.05E-03	7.57E+00	7.55E-01	4.92E-04	7.56E-01	5.56E+01	5.39E-01	1.53E-02
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	4.83E-02	8.32E-02	9.70E-02	2.35E-03	4.14E+00	4.58E-04	4.14E+00	4.13E-01	2.10E-04	4.13E-01	2.35E+01	2.40E-01	6.01E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2.89E-01	2.31E-01	2.23E-01	1.72E-02	1.09E+01	2.48E-03	1.09E+01	1.09E+00	6.16E-04	1.09E+00	6.54E+01	1.85E+00	1.54E-02
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	1.02E-01	4.17E-02	5.23E-02	6.01E-03	3.47E+00	8.02E-04	3.48E+00	3.47E-01	1.45E-04	3.47E-01	1.44E+01	6.56E-01	2.57E-03
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	1.17E-01	4.34E-02	7.53E-02	6.57E-03	5.10E+00	8.93E-04	5.10E+00	5.09E-01	1.75E-04	5.09E-01	1.72E+01	7.16E-01	2.74E-03

							Haul Starting Evaporative Emission Factors											
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Emission Factor (g/min)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	15	1.39E-05	1.29E-02	6.10E-05	5.78E-09	0.00E+00	1.40E-08	1.40E-08	0.00E+00	1.29E-08	1.29E-08	5.84E-04	3.05E-09	2.65E-07
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	15	2.12E-07	1.96E-04	9.30E-07	8.82E-11	0.00E+00	2.13E-10	2.13E-10	0.00E+00	1.97E-10	1.97E-10	8.91E-06	4.66E-11	4.05E-09
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	15	5.09E-05	4.73E-02	2.24E-04	2.12E-08	0.00E+00	5.12E-08	5.12E-08	0.00E+00	4.74E-08	4.74E-08	2.14E-03	1.12E-08	9.74E-07
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	15	6.11E-05	5.68E-02	2.69E-04	2.55E-08	0.00E+00	6.15E-08	6.15E-08	0.00E+00	5.69E-08	5.69E-08	2.57E-03	1.34E-08	1.17E-06
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	15	1.78E-05	1.66E-02	7.84E-05	7.43E-09	0.00E+00	1.79E-08	1.79E-08	0.00E+00	1.66E-08	1.66E-08	7.51E-04	3.92E-09	3.41E-07
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	15	4.07E-05	3.78E-02	1.79E-04	1.70E-08	0.00E+00	4.10E-08	4.10E-08	0.00E+00	3.79E-08	3.79E-08	1.72E-03	8.97E-09	7.79E-07
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	15	4.30E-06	3.99E-03	1.89E-05	1.79E-09	0.00E+00	4.32E-09	4.32E-09	0.00E+00	4.00E-09	4.00E-09	1.81E-04	9.45E-10	8.22E-08
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	15	5.08E-06	4.71E-03	2.23E-05	2.12E-09	0.00E+00	5.11E-09	5.11E-09	0.00E+00	4.72E-09	4.72E-09	2.14E-04	1.12E-09	9.71E-08
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	15	1.10E-05	1.38E-02	5.75E-05	5.07E-09	0.00E+00	9.96E-09	9.96E-09	0.00E+00	9.16E-09	9.16E-09	5.12E-04	3.05E-09	2.15E-07
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	15	3.34E-07	4.22E-04	1.75E-06	1.55E-10	0.00E+00	3.04E-10	3.04E-10	0.00E+00	2.79E-10	2.79E-10	1.56E-05	9.31E-11	6.54E-09
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	15	4.02E-05	5.08E-02	2.11E-04	1.86E-08	0.00E+00	3.66E-08	3.66E-08	0.00E+00	3.36E-08	3.36E-08	1.88E-03	1.12E-08	7.88E-07
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	15	4.83E-05	6.10E-02	2.53E-04	2.23E-08	0.00E+00	4.39E-08	4.39E-08	0.00E+00	4.04E-08	4.04E-08	2.26E-03	1.35E-08	9.45E-07
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	15	4.83E-05	6.10E-02	2.53E-04	2.23E-08	0.00E+00	4.39E-08	4.39E-08	0.00E+00	4.04E-08	4.04E-08	2.26E-03	1.35E-08	9.45E-07
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	15	3.22E-05	4.06E-02	1.69E-04	1.49E-08	0.00E+00	2.93E-08	2.93E-08	0.00E+00	2.69E-08	2.69E-08	1.50E-03	8.97E-09	6.30E-07
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	15	4.01E-06	5.06E-03	2.11E-05	1.86E-09	0.00E+00	3.65E-09	3.65E-09	0.00E+00	3.35E-09	3.35E-09	1.87E-04	1.12E-09	7.85E-08
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	15	3.39E-06	4.29E-03	1.78E-05	1.57E-09	0.00E+00	3.08E-09	3.08E-09	0.00E+00	2.84E-09	2.84E-09	1.59E-04	9.46E-10	6.64E-08
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	15	1.57E-05	2.64E-02	8.96E-05	8.02E-09	0.00E+00	1.45E-08	1.45E-08	0.00E+00	1.33E-08	1.33E-08	8.10E-04	5.28E-09	2.66E-07
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	15	1.38E-07	2.33E-04	7.91E-07	7.08E-11	0.00E+00	1.28E-10	1.28E-10	0.00E+00	1.18E-10	1.18E-10	7.15E-06	4.67E-11	2.34E-09
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	15	1.83E-05	3.08E-02	1.05E-04	9.37E-09	0.00E+00	1.69E-08	1.69E-08	0.00E+00	1.56E-08	1.56E-08	9.47E-04	6.18E-09	3.10E-07
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	15	3.11E-05	5.24E-02	1.78E-04	1.59E-08	0.00E+00	2.88E-08	2.88E-08	0.00E+00	2.65E-08	2.65E-08	1.61E-03	1.05E-08	5.27E-07
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	15	1.17E-05	1.96E-02	6.67E-05	5.96E-09	0.00E+00	1.08E-08	1.08E-08	0.00E+00	9.91E-09	9.91E-09	6.03E-04	3.93E-09	1.98E-07
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	15	1.36E-05	2.29E-02	7.78E-05	6.96E-09	0.00E+00	1.26E-08	1.26E-08	0.00E+00	1.16E-08	1.16E-08	7.03E-04	4.59E-09	2.31E-07
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	15	2.00E-05	3.36E-02	1.14E-04	1.02E-08	0.00E+00	1.85E-08	1.85E-08	0.00E+00	1.70E-08	1.70E-08	1.03E-03	6.74E-09	3.39E-07
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	15	1.67E-05	2.80E-02	9.52E-05	8.52E-09	0.00E+00	1.54E-08	1.54E-08	0.00E+00	1.42E-08	1.42E-08	8.61E-04	5.62E-09	2.82E-07
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	15	1.50E-05	2.52E-02	8.57E-05	7.66E-09	0.00E+00	1.39E-08	1.39E-08	0.00E+00	1.27E-08	1.27E-08	7.75E-04	5.05E-09	2.54E-07
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	15	1.40E-06	2.36E-03	8.03E-06	7.19E-10	0.00E+00	1.30E-09	1.30E-09	0.00E+00	1.19E-09	1.19E-09	7.26E-05	4.74E-10	2.38E-08
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	15	1.81E-05	4.23E-02	1.27E-04	1.08E-08	0.00E+00	1.76E-08	1.76E-08	0.00E+00	1.62E-08	1.62E-08	1.09E-03	7.50E-09	3.19E-07
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	15	2.70E-06	6.31E-03	1.89E-05	1.61E-09	0.00E+00	2.62E-09	2.62E-09	0.00E+00	2.41E-09	2.41E-09	1.62E-04	1.12E-09	4.76E-08
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	15	1.81E-05	4.23E-02	1.27E-04	1.08E-08	0.00E+00	1.76E-08	1.76E-08	0.00E+00	1.62E-08	1.62E-08	1.09E-03	7.50E-09	3.19E-07
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	15	9.49E-06	2.22E-02	6.65E-05	5.64E-09	0.00E+00	9.20E-09	9.20E-09	0.00E+00	8.46E-09	8.46E-09	5.70E-04	3.93E-09	1.67E-07
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	15	4.51E-07	1.05E-03	3.15E-06	2.68E-10	0.00E+00	4.37E-10	4.37E-10	0.00E+00	4.02E-10	4.02E-10	2.70E-05	1.86E-10	7.94E-09
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	15	3.26E-05	7.60E-02	2.28E-04	1.93E-08	0.00E+00	3.16E-08	3.16E-08	0.00E+00	2.90E-08	2.90E-08	1.95E-03	1.35E-08	5.73E-07
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	15	2.71E-05	6.33E-02	1.90E-04	1.61E-08	0.00E+00	2.63E-08	2.63E-08	0.00E+00	2.42E-08	2.42E-08	1.63E-03	1.12E-08	4.78E-07
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	15	2.17E-05	5.07E-02	1.52E-04	1.29E-08	0.00E+00	2.10E-08	2.10E-08	0.00E+00	1.93E-08	1.93E-08	1.30E-03	8.97E-09	3.82E-07
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	15	9.59E-06	2.64E-02	7.31E-05	6.30E-09	0.00E+00	9.70E-09	9.70E-09	0.00E+00	8.92E-09	8.92E-09	6.36E-04	4.22E-09	1.59E-07
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	15	1.25E-05	3.45E-02	9.55E-05	8.23E-09	0.00E+00	1.27E-08	1.27E-08	0.00E+00	1.17E-08	1.17E-08	8.31E-04	5.51E-09	2.08E-07
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	15	1.25E-05	3.45E-02	9.55E-05	8.23E-09	0.00E+00	1.27E-08	1.27E-08	0.00E+00	1.17E-08	1.17E-08	8.31E-04	5.51E-09	2.08E-07
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	15	2.13E-05	5.87E-02	1.62E-04	1.40E-08	0.00E+00	2.15E-08	2.15E-08	0.00E+00	1.98E-08	1.98E-08	1.41E-03	9.37E-09	3.54E-07
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	15	7.98E-06	2.20E-02	6.08E-05	5.24E-09	0.00E+00	8.07E-09	8.07E-09	0.00E+00	7.42E-09	7.42E-09	5.29E-04	3.51E-09	1.32E-07
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	15	9.31E-06	2.57E-02	7.09E-05	6.11E-09	0.00E+00	9.41E-09	9.41E-09	0.00E+00	8.65E-09	8.65E-09	6.17E-04	4.10E-09	1.55E-07
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	15	1.37E-05	3.77E-02	1.04E-04	8.98E-09	0.00E+00	1.38E-08	1.38E-08	0.00E+00	1.27E-08	1.27E-08	9.07E-04	6.02E-09	2.27E-07
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	15	5.13E-06	1.41E-02	3.91E-05	3.37E-09	0.00E+00	5.19E-09	5.19E-09	0.00E+00	4.77E-09	4.77E-09	3.40E-04	2.26E-09	8.52E-08
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	15	1.14E-05	3.14E-02	8.68E-05	7.48E-09	0.00E+00	1.15E-08	1.15E-08	0.00E+00	1.06E-08	1.06E-08	7.56E-04	5.02E-09	1.89E-07
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	15	1.14E-06	3.13E-03	8.65E-06	7.46E-10	0.00E+00	1.15E-09	1.15E-09	0.00E+00	1.06E-09	1.06E-09	7.53E-05	5.00E-10	1.89E-08
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	15	9.61E-07	2.65E-03	7.32E-06	6.31E-10	0.00E+00	9.72E-10	9.72E-10	0.00E+00	8.94E-10	8.94E-10	6.38E-05	4.23E-10	1.60E-08

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Haul Idling Emission Factors ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission Factor (g/min)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	15	4.15E-03	6.05E-02	5.69E-02	1.00E-04	0.00E+00	4.87E-05	4.87E-05	0.00E+00	4.66E-05	4.66E-05	1.10E+01	3.41E-04	4.87E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	15	6.32E-05	9.22E-04	8.68E-04	1.53E-06	0.00E+00	7.43E-07	7.43E-07	0.00E+00	7.11E-07	7.11E-07	1.67E-01	5.20E-06	7.43E-05
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	15	1.52E-02	2.22E-01	2.09E-01	3.69E-04	0.00E+00	1.79E-04	1.79E-04	0.00E+00	1.71E-04	1.71E-04	4.03E+01	1.25E-03	1.79E-02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	15	1.83E-02	2.66E-01	2.51E-01	4.43E-04	0.00E+00	2.15E-04	2.15E-04	0.00E+00	2.05E-04	2.05E-04	4.83E+01	1.50E-03	2.15E-02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	15	5.33E-03	7.77E-02	7.31E-02	1.29E-04	0.00E+00	6.26E-05	6.26E-05	0.00E+00	5.99E-05	5.99E-05	1.41E+01	4.38E-04	6.26E-03
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	15	1.22E-02	1.78E-01	1.67E-01	2.95E-04	0.00E+00	1.43E-04	1.43E-04	0.00E+00	1.37E-04	1.37E-04	3.22E+01	1.00E-03	1.43E-02
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	15	1.28E-03	1.87E-02	1.76E-02	3.11E-05	0.00E+00	1.51E-05	1.51E-05	0.00E+00	1.44E-05	1.44E-05	3.40E+00	1.06E-04	1.51E-03
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	15	1.52E-03	2.21E-02	2.08E-02	3.68E-05	0.00E+00	1.78E-05	1.78E-05	0.00E+00	1.71E-05	1.71E-05	4.02E+00	1.25E-04	1.78E-03
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	15	4.13E-03	5.88E-02	5.80E-02	9.92E-05	0.00E+00	4.15E-05	4.15E-05	0.00E+00	3.97E-05	3.97E-05	1.09E+01	3.45E-04	4.86E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	15	1.26E-04	1.79E-03	1.77E-03	3.03E-06	0.00E+00	1.27E-06	1.27E-06	0.00E+00	1.21E-06	1.21E-06	3.31E-01	1.05E-05	1.48E-04
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	15	1.52E-02	2.16E-01	2.13E-01	3.64E-04	0.00E+00	1.52E-04	1.52E-04	0.00E+00	1.46E-04	1.46E-04	3.98E+01	1.27E-03	1.78E-02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	15	1.82E-02	2.59E-01	2.55E-01	4.37E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	4.78E+01	1.52E-03	2.14E-02
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	15	1.82E-02	2.59E-01	2.55E-01	4.37E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	4.78E+01	1.52E-03	2.14E-02
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	15	1.21E-02	1.73E-01	1.70E-01	2.91E-04	0.00E+00	1.22E-04	1.22E-04	0.00E+00	1.17E-04	1.17E-04	3.19E+01	1.01E-03	1.43E-02
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	15	1.51E-03	2.15E-02	2.12E-02	3.63E-05	0.00E+00	1.52E-05	1.52E-05	0.00E+00	1.45E-05	1.45E-05	3.97E+00	1.26E-04	1.78E-03
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	15	1.28E-03	1.82E-02	1.80E-02	3.07E-05	0.00E+00	1.28E-05	1.28E-05	0.00E+00	1.23E-05	1.23E-05	3.36E+00	1.07E-04	1.50E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	15	7.08E-03	9.83E-02	1.02E-01	1.69E-04	0.00E+00	5.34E-05	5.34E-05	0.00E+00	5.11E-05	5.11E-05	1.85E+01	6.02E-04	8.33E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	15	6.25E-05	8.68E-04	8.99E-04	1.49E-06	0.00E+00	4.71E-07	4.71E-07	0.00E+00	4.51E-07	4.51E-07	1.63E-01	5.31E-06	7.36E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	15	8.27E-03	1.15E-01	1.19E-01	1.97E-04	0.00E+00	6.24E-05	6.24E-05	0.00E+00	5.97E-05	5.97E-05	2.16E+01	7.03E-04	9.74E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	15	1.41E-02	1.95E-01	2.02E-01	3.35E-04	0.00E+00	1.06E-04	1.06E-04	0.00E+00	1.01E-04	1.01E-04	3.67E+01	1.20E-03	1.65E-02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	15	5.26E-03	7.32E-02	7.58E-02	1.25E-04	0.00E+00	3.97E-05	3.97E-05	0.00E+00	3.80E-05	3.80E-05	1.38E+01	4.48E-04	6.20E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	15	6.14E-03	8.53E-02	8.84E-02	1.46E-04	0.00E+00	4.63E-05	4.63E-05	0.00E+00	4.43E-05	4.43E-05	1.60E+01	5.22E-04	7.23E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	15	9.03E-03	1.25E-01	1.30E-01	2.15E-04	0.00E+00	6.81E-05	6.81E-05	0.00E+00	6.51E-05	6.51E-05	2.36E+01	7.68E-04	1.06E-02
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	15	7.52E-03	1.05E-01	1.08E-01	1.79E-04	0.00E+00	5.67E-05	5.67E-05	0.00E+00	5.43E-05	5.43E-05	1.97E+01	6.40E-04	8.85E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	15	6.77E-03	9.40E-02	9.74E-02	1.61E-04	0.00E+00	5.10E-05	5.10E-05	0.00E+00	4.88E-05	4.88E-05	1.77E+01	5.76E-04	7.97E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	15	6.34E-04	8.82E-03	9.13E-03	1.51E-05	0.00E+00	4.78E-06	4.78E-06	0.00E+00	4.58E-06	4.58E-06	1.66E+00	5.40E-05	7.47E-04
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	15	1.00E-02	1.28E-01	1.53E-01	2.29E-04	0.00E+00	6.61E-05	6.61E-05	0.00E+00	6.32E-05	6.32E-05	2.52E+01	8.65E-04	1.18E-02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	15	1.49E-03	1.91E-02	2.29E-02	3.42E-05	0.00E+00	9.85E-06	9.85E-06	0.00E+00	9.42E-06	9.42E-06	3.76E+00	1.29E-04	1.76E-03
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	15	1.00E-02	1.28E-01	1.53E-01	2.29E-04	0.00E+00	6.61E-05	6.61E-05	0.00E+00	6.32E-05	6.32E-05	2.52E+01	8.65E-04	1.18E-02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	15	5.24E-03	6.71E-02	8.03E-02	1.20E-04	0.00E+00	3.46E-05	3.46E-05	0.00E+00	3.31E-05	3.31E-05	1.32E+01	4.53E-04	6.18E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	15	2.49E-04	3.18E-03	3.81E-03	5.70E-06	0.00E+00	1.64E-06	1.64E-06	0.00E+00	1.57E-06	1.57E-06	6.27E-01	2.15E-05	2.93E-04
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	15	1.80E-02	2.30E-01	2.75E-01	4.12E-04	0.00E+00	1.19E-04	1.19E-04	0.00E+00	1.13E-04	1.13E-04	4.53E+01	1.55E-03	2.12E-02
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	15	1.50E-02	1.92E-01	2.29E-01	3.43E-04	0.00E+00	9.88E-05	9.88E-05	0.00E+00	9.45E-05	9.45E-05	3.77E+01	1.29E-03	1.77E-02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	15	1.20E-02	1.53E-01	1.84E-01	2.74E-04	0.00E+00	7.90E-05	7.90E-05	0.00E+00	7.56E-05	7.56E-05	3.02E+01	1.04E-03	1.41E-02
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	15	6.25E-03	7.98E-02	9.60E-02	1.41E-04	0.00E+00	3.98E-05	3.98E-05	0.00E+00	3.81E-05	3.81E-05	1.56E+01	5.44E-04	7.37E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	15	8.16E-03	1.04E-01	1.25E-01	1.85E-04	0.00E+00	5.20E-05	5.20E-05	0.00E+00	4.98E-05	4.98E-05	2.03E+01	7.11E-04	9.63E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	15	8.16E-03	1.04E-01	1.25E-01	1.85E-04	0.00E+00	5.20E-05	5.20E-05	0.00E+00	4.98E-05	4.98E-05	2.03E+01	7.11E-04	9.63E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	15	1.39E-02	1.77E-01	2.13E-01	3.14E-04	0.00E+00	8.84E-05	8.84E-05	0.00E+00	8.45E-05	8.45E-05	3.45E+01	1.21E-03	1.64E-02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	15	5.20E-03	6.64E-02	7.98E-02	1.18E-04	0.00E+00	3.31E-05	3.31E-05	0.00E+00	3.17E-05	3.17E-05	1.29E+01	4.52E-04	6.13E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	15	6.06E-03	7.74E-02	9.31E-02	1.37E-04	0.00E+00	3.86E-05	3.86E-05	0.00E+00	3.69E-05	3.69E-05	1.51E+01	5.28E-04	7.15E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	15	8.91E-03	1.14E-01	1.37E-01	2.01E-04	0.00E+00	5.68E-05	5.68E-05	0.00E+00	5.43E-05	5.43E-05	2.22E+01	7.76E-04	1.05E-02
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	15	3.34E-03	4.27E-02	5.13E-02	7.56E-05	0.00E+00	2.13E-05	2.13E-05	0.00E+00	2.04E-05	2.04E-05	8.32E+00	2.91E-04	3.94E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	15	7.42E-03	9.48E-02	1.14E-01	1.68E-04	0.00E+00	4.73E-05	4.73E-05	0.00E+00	4.52E-05	4.52E-05	1.85E+01	6.46E-04	8.76E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	15	7.40E-04	9.45E-03	1.14E-02	1.67E-05	0.00E+00	4.71E-06	4.71E-06	0.00E+00	4.51E-06	4.51E-06	1.84E+00	6.44E-05	8.73E-04
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	15	6.26E-04	8.00E-03	9.61E-03	1.42E-05	0.00E+00	3.99E-06	3.99E-06	0.00E+00	3.82E-06	3.82E-06	1.56E+00	5.45E-05	7.38E-04

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Haul Running Emission Factors											
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission Factor (g/mile)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	0.5	1.36E-01	4.29E+00	7.14E-01	1.38E-02	1.89E+02	6.17E-02	1.89E+02	1.89E+01	5.90E-02	1.89E+01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	0.5	1.36E-01	4.29E+00	7.14E-01	1.38E-02	1.89E+02	6.17E-02	1.89E+02	1.89E+01	5.90E-02	1.89E+01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	0.5	1.36E-01	4.29E+00	7.14E-01	1.38E-02	1.89E+02	6.17E-02	1.89E+02	1.89E+01	5.90E-02	1.89E+01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	0.5	1.36E-01	4.29E+00	7.14E-01	1.38E-02	1.89E+02	6.17E-02	1.89E+02	1.89E+01	5.90E-02	1.89E+01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	0.5	1.36E-01	4.29E+00	7.14E-01	1.38E-02	1.89E+02	6.17E-02	1.89E+02	1.89E+01	5.90E-02	1.89E+01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	0.5	1.36E-01	4.29E+00	7.14E-01	1.38E-02	1.89E+02	6.17E-02	1.89E+02	1.89E+01	5.90E-02	1.89E+01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	0.5	1.36E-01	4.29E+00	7.14E-01	1.38E-02	1.89E+02	6.17E-02	1.89E+02	1.89E+01	5.90E-02	1.89E+01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	0.5	1.36E-01	4.29E+00	7.14E-01	1.38E-02	1.89E+02	6.17E-02	1.89E+02	1.89E+01	5.90E-02	1.89E+01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	0.5	1.36E-01	4.29E+00	7.14E-01	1.38E-02	1.89E+02	6.17E-02	1.89E+02	1.89E+01	5.90E-02	1.89E+01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	0.5	1.36E-01	4.29E+00	7.14E-01	1.38E-02	1.89E+02	6.17E-02	1.89E+02	1.89E+01	5.90E-02	1.89E+01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	0.5	1.36E-01	4.29E+00	7.14E-01	1.38E-02	1.89E+02	6.17E-02	1.89E+02	1.89E+01	5.90E-02	1.89E+01	1.51E+03	8.03E-02	2.39E-01
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	0.5	1.11E-01	3.84E+00	6.49E-01	1.35E-02	1.89E+02	5.15E-02	1.89E+02	1.89E+01	4.93E-02	1.89E+01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	0.5	1.11E-01	3.84E+00	6.49E-01	1.35E-02	1.89E+02	5.15E-02	1.89E+02	1.89E+01	4.93E-02	1.89E+01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	0.5	1.11E-01	3.84E+00	6.49E-01	1.35E-02	1.89E+02	5.15E-02	1.89E+02	1.89E+01	4.93E-02	1.89E+01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	0.5	1.11E-01	3.84E+00	6.49E-01	1.35E-02	1.89E+02	5.15E-02	1.89E+02	1.89E+01	4.93E-02	1.89E+01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	0.5	1.11E-01	3.84E+00	6.49E-01	1.35E-02	1.89E+02	5.15E-02	1.89E+02	1.89E+01	4.93E-02	1.89E+01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	0.5	1.11E-01	3.84E+00	6.49E-01	1.35E-02	1.89E+02	5.15E-02	1.89E+02	1.89E+01	4.93E-02	1.89E+01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	0.5	1.11E-01	3.84E+00	6.49E-01	1.35E-02	1.89E+02	5.15E-02	1.89E+02	1.89E+01	4.93E-02	1.89E+01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	0.5	1.11E-01	3.84E+00	6.49E-01	1.35E-02	1.89E+02	5.15E-02	1.89E+02	1.89E+01	4.93E-02	1.89E+01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	0.5	1.11E-01	3.84E+00	6.49E-01	1.35E-02	1.89E+02	5.15E-02	1.89E+02	1.89E+01	4.93E-02	1.89E+01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	0.5	1.11E-01	3.84E+00	6.49E-01	1.35E-02	1.89E+02	5.15E-02	1.89E+02	1.89E+01	4.93E-02	1.89E+01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	0.5	1.11E-01	3.84E+00	6.49E-01	1.35E-02	1.89E+02	5.15E-02	1.89E+02	1.89E+01	4.93E-02	1.89E+01	1.48E+03	8.02E-02	2.35E-01
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	0.5	7.07E-02	3.28E+00	5.24E-01	1.31E-02	1.89E+02	2.93E-02	1.89E+02	1.89E+01	2.80E-02	1.89E+01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	0.5	7.07E-02	3.28E+00	5.24E-01	1.31E-02	1.89E+02	2.93E-02	1.89E+02	1.89E+01	2.80E-02	1.89E+01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	0.5	7.07E-02	3.28E+00	5.24E-01	1.31E-02	1.89E+02	2.93E-02	1.89E+02	1.89E+01	2.80E-02	1.89E+01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	0.5	7.07E-02	3.28E+00	5.24E-01	1.31E-02	1.89E+02	2.93E-02	1.89E+02	1.89E+01	2.80E-02	1.89E+01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	0.5	7.07E-02	3.28E+00	5.24E-01	1.31E-02	1.89E+02	2.93E-02	1.89E+02	1.89E+01	2.80E-02	1.89E+01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	0.5	7.07E-02	3.28E+00	5.24E-01	1.31E-02	1.89E+02	2.93E-02	1.89E+02	1.89E+01	2.80E-02	1.89E+01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	0.5	7.07E-02	3.28E+00	5.24E-01	1.31E-02	1.89E+02	2.93E-02	1.89E+02	1.89E+01	2.80E-02	1.89E+01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	0.5	7.07E-02	3.28E+00	5.24E-01	1.31E-02	1.89E+02	2.93E-02	1.89E+02	1.89E+01	2.80E-02	1.89E+01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	0.5	7.07E-02	3.28E+00	5.24E-01	1.31E-02	1.89E+02	2.93E-02	1.89E+02	1.89E+01	2.80E-02	1.89E+01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	0.5	7.07E-02	3.28E+00	5.24E-01	1.31E-02	1.89E+02	2.93E-02	1.89E+02	1.89E+01	2.80E-02	1.89E+01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	0.5	7.07E-02	3.28E+00	5.24E-01	1.31E-02	1.89E+02	2.93E-02	1.89E+02	1.89E+01	2.80E-02	1.89E+01	1.44E+03	7.90E-02	2.28E-01
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	0.5	2.38E-02	2.45E+00	4.22E-01	1.24E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	0.5	2.38E-02	2.45E+00	4.22E-01	1.24E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	0.5	2.38E-02	2.45E+00	4.22E-01	1.24E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	0.5	2.38E-02	2.45E+00	4.22E-01	1.24E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	0.5	2.38E-02	2.45E+00	4.22E-01	1.24E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	0.5	2.38E-02	2.45E+00	4.22E-01	1.24E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	0.5	2.38E-02	2.45E+00	4.22E-01	1.24E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	0.5	2.38E-02	2.45E+00	4.22E-01	1.24E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	0.5	2.38E-02	2.45E+00	4.22E-01	1.24E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	0.5	2.38E-02	2.45E+00	4.22E-01	1.24E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	0.5	2.38E-02	2.45E+00	4.22E-01	1.24E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	0.5	2.38E-02	2.45E+00	4.22E-01	1.24E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.36E+03	7.74E-02	2.16E-01
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	0.5	2.35E-02	2.47E+00	4.35E-01	1.22E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	0.5	2.35E-02	2.47E+00	4.35E-01	1.22E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	0.5	2.35E-02	2.47E+00	4.35E-01	1.22E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	0.5	2.35E-02	2.47E+00	4.35E-01	1.22E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	0.5	2.35E-02	2.47E+00	4.35E-01	1.22E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	0.5	2.35E-02	2.47E+00	4.35E-01	1.22E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	0.5	2.35E-02	2.47E+00	4.35E-01	1.22E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	0.5	2.35E-02	2.47E+00	4.35E-01	1.22E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	0.5	2.35E-02	2.47E+00	4.35E-01	1.22E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	0.5	2.35E-02	2.47E+00	4.35E-01	1.22E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	0.5	2.35E-02	2.47E+00	4.35E-01	1.22E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	0.5	2.35E-02	2.47E+00	4.35E-01	1.22E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.34E+03	7.77E-02	2.13E-01

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	0.5	9.76E-04	3.08E-02	5.12E-03	9.90E-05	1.35E+00	4.43E-04	1.36E+00	1.35E-01	4.23E-04	1.36E-01	1.08E+01	5.76E-04	1.72E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	0.5	1.49E-05	4.69E-04	7.81E-05	1.51E-06	2.07E-02	6.75E-06	2.07E-02	2.06E-03	6.46E-06	2.07E-03	1.65E-01	8.79E-06	2.62E-05
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	0.5	3.59E-03	1.13E-01	1.88E-02	3.63E-04	4.97E+00	1.62E-03	4.98E+00	4.97E-01	1.55E-03	4.98E-01	3.98E+01	2.12E-03	6.31E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	0.5	4.30E-03	1.36E-01	2.26E-02	4.36E-04	5.97E+00	1.95E-03	5.97E+00	5.96E-01	1.87E-03	5.98E-01	4.77E+01	2.54E-03	7.57E-03
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	0.5	1.25E-03	3.95E-02	6.58E-03	1.27E-04	1.74E+00	5.69E-04	1.74E+00	1.74E-01	5.44E-04	1.74E-01	1.39E+01	7.41E-04	2.21E-03
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	0.5	2.87E-03	9.04E-02	1.50E-02	2.91E-04	3.98E+00	1.30E-03	3.98E+00	3.97E-01	1.24E-03	3.99E-01	3.18E+01	1.69E-03	5.04E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	0.5	3.02E-04	9.53E-03	1.59E-03	3.07E-05	4.20E-01	1.37E-04	4.20E-01	4.19E-02	1.31E-04	4.20E-02	3.35E+00	1.78E-04	5.32E-04
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	0.5	3.57E-04	1.13E-02	1.87E-03	3.62E-05	4.96E-01	1.62E-04	4.96E-01	4.95E-02	1.55E-04	4.97E-02	3.96E+00	2.11E-04	6.29E-04
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	0.5	8.02E-04	2.77E-02	4.67E-03	9.73E-05	1.36E+00	3.71E-04	1.36E+00	1.36E-01	3.55E-04	1.36E-01	1.07E+01	5.78E-04	1.69E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	0.5	2.45E-05	8.44E-04	1.42E-04	2.97E-06	4.15E-02	1.13E-05	4.15E-02	4.14E-03	1.08E-05	4.15E-03	3.25E-01	1.76E-05	5.16E-05
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	0.5	2.94E-03	1.02E-01	1.72E-02	3.57E-04	4.99E+00	1.36E-03	5.00E+00	4.99E-01	1.30E-03	5.00E-01	3.91E+01	2.12E-03	6.21E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	0.5	3.53E-03	1.22E-01	2.06E-02	4.29E-04	5.99E+00	1.63E-03	5.99E+00	5.98E-01	1.56E-03	6.00E-01	4.69E+01	2.55E-03	7.45E-03
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	0.5	3.53E-03	1.22E-01	2.06E-02	4.29E-04	5.99E+00	1.63E-03	5.99E+00	5.98E-01	1.56E-03	6.00E-01	4.69E+01	2.55E-03	7.45E-03
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	0.5	2.35E-03	8.13E-02	1.37E-02	2.86E-04	4.00E+00	1.09E-03	4.00E+00	3.99E-01	1.04E-03	4.00E-01	3.13E+01	1.70E-03	4.97E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	0.5	2.93E-04	1.01E-02	1.71E-03	3.56E-05	4.98E-01	1.36E-04	4.98E-01	4.97E-02	1.30E-04	4.98E-02	3.90E+00	2.11E-04	6.19E-04
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	0.5	2.48E-04	8.57E-03	1.45E-03	3.01E-05	4.21E-01	1.15E-04	4.21E-01	4.21E-02	1.10E-04	4.22E-02	3.30E+00	1.79E-04	5.24E-04
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	0.5	8.83E-04	4.10E-02	6.54E-03	1.64E-04	2.36E+00	3.66E-04	2.36E+00	2.35E-01	3.50E-04	2.36E-01	1.80E+01	9.87E-04	2.85E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	0.5	7.79E-06	3.62E-04	5.77E-05	1.44E-06	2.08E-02	3.23E-06	2.08E-02	2.08E-03	3.09E-06	2.08E-03	1.59E-01	8.71E-06	2.52E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	0.5	1.03E-03	4.79E-02	7.64E-03	1.91E-04	2.76E+00	4.27E-04	2.76E+00	2.75E-01	4.09E-04	2.76E-01	2.10E+01	1.15E-03	3.33E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	0.5	1.75E-03	8.14E-02	1.30E-02	3.25E-04	4.68E+00	7.26E-04	4.68E+00	4.68E-01	6.94E-04	4.68E-01	3.57E+01	1.96E-03	5.66E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	0.5	6.57E-04	3.05E-02	4.86E-03	1.22E-04	1.75E+00	2.72E-04	1.75E+00	1.75E-01	2.60E-04	1.75E-01	1.34E+01	7.34E-04	2.12E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	0.5	7.66E-04	3.56E-02	5.67E-03	1.42E-04	2.05E+00	3.17E-04	2.05E+00	2.04E-01	3.04E-04	2.05E-01	1.56E+01	8.56E-04	2.47E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	0.5	1.13E-03	5.23E-02	8.34E-03	2.09E-04	3.01E+00	4.66E-04	3.01E+00	3.00E-01	4.46E-04	3.01E-01	2.29E+01	1.26E-03	3.64E-03
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	0.5	9.38E-04	4.36E-02	6.95E-03	1.74E-04	2.51E+00	3.88E-04	2.51E+00	2.50E-01	3.72E-04	2.51E-01	1.91E+01	1.05E-03	3.03E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	0.5	8.44E-04	3.92E-02	6.25E-03	1.56E-04	2.26E+00	3.50E-04	2.26E+00	2.25E-01	3.34E-04	2.25E-01	1.72E+01	9.44E-04	2.73E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	0.5	7.91E-05	3.67E-03	5.86E-04	1.47E-05	2.11E-01	3.28E-05	2.11E-01	2.11E-02	3.13E-05	2.11E-02	1.61E+00	8.85E-05	2.56E-04
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	0.5	4.22E-04	4.35E-02	7.48E-03	2.19E-04	3.35E+00	3.63E-04	3.35E+00	3.35E-01	3.47E-04	3.35E-01	2.41E+01	1.37E-03	3.84E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	0.5	6.29E-05	6.49E-03	1.12E-03	3.27E-05	5.00E-01	5.41E-05	5.00E-01	4.99E-02	5.18E-05	4.99E-02	3.60E+00	2.05E-04	5.72E-04
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	0.5	4.22E-04	4.35E-02	7.48E-03	2.19E-04	3.35E+00	3.63E-04	3.35E+00	3.35E-01	3.47E-04	3.35E-01	2.41E+01	1.37E-03	3.84E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	0.5	2.21E-04	2.28E-02	3.92E-03	1.15E-04	1.75E+00	1.90E-04	1.75E+00	1.75E-01	1.82E-04	1.75E-01	1.26E+01	7.19E-04	2.01E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	0.5	1.05E-05	1.08E-03	1.86E-04	5.45E-06	8.33E-02	9.02E-06	8.33E-02	8.31E-03	8.63E-06	8.32E-03	6.00E-01	3.41E-05	9.54E-05
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	0.5	7.57E-04	7.81E-02	1.34E-02	3.94E-04	6.02E+00	6.52E-04	6.02E+00	6.01E-01	6.24E-04	6.01E-01	4.33E+01	2.46E-03	6.89E-03
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	0.5	6.31E-04	6.51E-02	1.12E-02	3.28E-04	5.01E+00	5.43E-04	5.01E+00	5.00E-01	5.20E-04	5.01E-01	3.61E+01	2.05E-03	5.74E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	0.5	5.05E-04	5.21E-02	8.95E-03	2.62E-04	4.01E+00	4.34E-04	4.01E+00	4.00E-01	4.16E-04	4.01E-01	2.89E+01	1.64E-03	4.59E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	0.5	2.61E-04	2.74E-02	4.82E-03	1.35E-04	2.09E+00	2.27E-04	2.09E+00	2.09E-01	2.17E-04	2.09E-01	1.49E+01	8.62E-04	2.37E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	0.5	3.41E-04	3.57E-02	6.29E-03	1.76E-04	2.74E+00	2.97E-04	2.74E+00	2.73E-01	2.84E-04	2.73E-01	1.94E+01	1.13E-03	3.09E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	0.5	3.41E-04	3.57E-02	6.29E-03	1.76E-04	2.74E+00	2.97E-04	2.74E+00	2.73E-01	2.84E-04	2.73E-01	1.94E+01	1.13E-03	3.09E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	0.5	5.79E-04	6.07E-02	1.07E-02	3.00E-04	4.65E+00	5.04E-04	4.65E+00	4.64E-01	4.82E-04	4.64E-01	3.30E+01	1.91E-03	5.25E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	0.5	2.17E-04	2.28E-02	4.01E-03	1.12E-04	1.74E+00	1.89E-04	1.74E+00	1.74E-01	1.81E-04	1.74E-01	1.24E+01	7.16E-04	1.97E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	0.5	2.53E-04	2.65E-02	4.67E-03	1.31E-04	2.03E+00	2.20E-04	2.03E+00	2.03E-01	2.11E-04	2.03E-01	1.44E+01	8.36E-04	2.29E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	0.5	3.72E-04	3.90E-02	6.87E-03	1.92E-04	2.98E+00	3.24E-04	2.99E+00	2.98E-01	3.10E-04	2.98E-01	2.12E+01	1.23E-03	3.37E-03
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	0.5	1.39E-04	1.46E-02	2.58E-03	7.22E-05	1.12E+00	1.21E-04	1.12E+00	1.12E-01	1.16E-04	1.12E-01	7.95E+00	4.61E-04	1.26E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	0.5	3.10E-04	3.25E-02	5.72E-03	1.60E-04	2.49E+00	2.70E-04	2.49E+00	2.48E-01	2.58E-04	2.49E-01	1.77E+01	1.02E-03	2.81E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	0.5	3.09E-05	3.24E-03	5.71E-04	1.60E-05	2.48E-01	2.69E-05	2.48E-01	2.48E-02	2.57E-05	2.48E-02	1.76E+00	1.02E-04	2.80E-04
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	0.5	2.61E-05	2.74E-03	4.83E-04	1.35E-05	2.10E-01	2.28E-05	2.10E-01	2.09E-02	2.18E-05	2.10E-02	1.49E+00	8.63E-05	2.37E-04

						Vendor Starting/Evaporative Emission Factors												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission Factor (g/trip)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 202	2020	9	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 20	2020	2	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities	2020	15	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 20	2020	6	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2	2020	0	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping	2020	7	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Apprc	2020	4	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches -	2021	4	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 20	2022	12	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2	2022	8.5	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilitie	2022	15	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2	2022	6	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping	2022	4.5	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities -	2022	0	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Apprc	2022	5	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches -	2023	6	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavatio	2024	11.5	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading -	2024	14.5	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concre	2024	8.5	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Ut	2024	15	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electric	2024	6	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landsc	2024	4.5	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 20	2024	2	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2	2024	15.5	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utili	2024	0	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive A	2024	5.5	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03

Daily Emissions

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 202	2020	9	0.5	15	1.14E-03	1.40E-02	7.10E-03	5.85E-07	0.00E+00	6.74E-07	6.74E-07	0.00E+00	6.20E-07	6.20E-07	5.91E-02	6.03E-05	4.26E-05
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	0.5	15	2.54E-04	3.11E-03	1.58E-03	1.30E-07	0.00E+00	1.50E-07	1.50E-07	0.00E+00	1.38E-07	1.38E-07	1.31E-02	1.34E-05	9.47E-06
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	0.5	15	3.17E-03	3.88E-02	1.97E-02	1.63E-06	0.00E+00	1.87E-06	1.87E-06	0.00E+00	1.72E-06	1.72E-06	1.64E-01	1.67E-04	1.18E-04
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	0.5	15	7.62E-04	9.32E-03	4.74E-03	3.90E-07	0.00E+00	4.49E-07	4.49E-07	0.00E+00	4.13E-07	4.13E-07	3.94E-02	4.02E-05	2.84E-05
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 20	2020	2	0.5	15	2.54E-04	3.11E-03	1.58E-03	1.30E-07	0.00E+00	1.50E-07	1.50E-07	0.00E+00	1.38E-07	1.38E-07	1.31E-02	1.34E-05	9.47E-06
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities	2020	15	0.5	15	1.90E-03	2.33E-02	1.18E-02	9.75E-07	0.00E+00	1.12E-06	1.12E-06	0.00E+00	1.03E-06	1.03E-06	9.85E-02	1.00E-04	7.10E-05
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 20	2020	6	0.5	15	7.62E-04	9.32E-03	4.74E-03	3.90E-07	0.00E+00	4.49E-07	4.49E-07	0.00E+00	4.13E-07	4.13E-07	3.94E-02	4.02E-05	2.84E-05
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2	2020	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping	2020	7	0.5	15	8.89E-04	1.09E-02	5.53E-03	4.55E-07	0.00E+00	5.24E-07	5.24E-07	0.00E+00	4.82E-07	4.82E-07	4.60E-02	4.69E-05	3.31E-05
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	0.5	15	7.62E-04	9.32E-03	4.74E-03	3.90E-07	0.00E+00	4.49E-07	4.49E-07	0.00E+00	4.13E-07	4.13E-07	3.94E-02	4.02E-05	2.84E-05
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Apprc	2020	4	0.5	15	5.08E-04	6.22E-03	3.16E-03	2.60E-07	0.00E+00	3.00E-07	3.00E-07	0.00E+00	2.75E-07	2.75E-07	2.63E-02	2.68E-05	1.89E-05
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	0.5	15	1.07E-03	1.51E-02	6.67E-03	5.67E-07	0.00E+00	6.33E-07	6.33E-07	0.00E+00	5.82E-07	5.82E-07	5.73E-02	5.76E-05	4.22E-05
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	0.5	15	2.38E-04	3.36E-03	1.48E-03	1.26E-07	0.00E+00	1.41E-07	1.41E-07	0.00E+00	1.29E-07	1.29E-07	1.27E-02	1.28E-05	9.38E-06
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	0.5	15	2.98E-03	4.20E-02	1.85E-02	1.58E-06	0.00E+00	1.76E-06	1.76E-06	0.00E+00	1.62E-06	1.62E-06	1.59E-01	1.60E-04	1.17E-04
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	0.5	15	2.38E-04	3.36E-03	1.48E-03	1.26E-07	0.00E+00	1.41E-07	1.41E-07	0.00E+00	1.29E-07	1.29E-07	1.27E-02	1.28E-05	9.38E-06
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	0.5	15	2.38E-04	3.36E-03	1.48E-03	1.26E-07	0.00E+00	1.41E-07	1.41E-07	0.00E+00	1.29E-07	1.29E-07	1.27E-02	1.28E-05	9.38E-06
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	0.5	15	7.15E-04	1.01E-02	4.44E-03	3.78E-07	0.00E+00	4.22E-07	4.22E-07	0.00E+00	3.88E-07	3.88E-07	3.82E-02	3.84E-05	2.81E-05
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	0.5	15	8.34E-04	1.18E-02	5.19E-03	4.41E-07	0.00E+00	4.92E-07	4.92E-07	0.00E+00	4.53E-07	4.53E-07	4.46E-02	4.48E-05	3.28E-05
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	0.5	15	7.15E-04	1.01E-02	4.44E-03	3.78E-07	0.00E+00	4.22E-07	4.22E-07	0.00E+00	3.88E-07	3.88E-07	3.82E-02	3.84E-05	2.81E-05
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches -	2021	4	0.5	15	4.77E-04	6.72E-03	2.96E-03	2.52E-07	0.00E+00	2.81E-07	2.81E-07	0.00E+00	2.59E-07	2.59E-07	2.55E-02	2.56E-05	1.88E-05
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	0.5	15	7.15E-04	1.01E-02	4.44E-03	3.78E-07	0.00E+00	4.22E-07	4.22E-07	0.00E+00	3.88E-07	3.88E-07	3.82E-02	3.84E-05	2.81E-05
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 20	2022	12	0.5	15	1.36E-03	2.27E-02	8.44E-03	7.42E-07	0.00E+00	8.10E-07	8.10E-07	0.00E+00	7.45E-07	7.45E-07	7.50E-02	7.43E-05	5.63E-05
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	0.5	15	5.10E-04	8.49E-03	3.16E-03	2.78E-07	0.00E+00	3.04E-07	3.04E-07	0.00E+00	2.79E-07	2.79E-07	2.81E-02	2.79E-05	2.11E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	0.5	15	1.64E-03	2.74E-02	1.02E-02	8.96E-07	0.00E+00	9.79E-07	9.79E-07	0.00E+00	9.00E-07	9.00E-07	9.06E-02	8.98E-05	6.80E-05
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2	2022	8.5	0.5	15	9.64E-04	1.60E-02	5.98E-03	5.26E-07	0.00E+00	5.74E-07	5.74E-07	0.00E+00	5.28E-07	5.28E-07	5.31E-02	5.26E-05	3.99E-05
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilitie	2022	15	0.5	15	1.70E-03	2.83E-02	1.05E-02	9.27E-07	0.00E+00	1.01E-06	1.01E-06	0.00E+00	9.31E-07	9.31E-07	9.37E-02	9.29E-05	7.04E-05
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2	2022	6	0.5	15	6.80E-04	1.13E-02	4.22E-03	3.71E-07	0.00E+00	4.05E-07	4.05E-07	0.00E+00	3.73E-07	3.73E-07	3.75E-02	3.71E-05	2.81E-05
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping	2022	4.5	0.5	15	5.10E-04	8.49E-03	3.16E-03	2.78E-07	0.00E+00	3.04E-07	3.04E-07	0.00E+00	2.79E-07	2.79E-07	2.81E-02	2.79E-05	2.11E-05
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	0.5	15	1.76E-03	2.93E-02	1.09E-02	9.58E-07	0.00E+00	1.05E-06	1.05E-06	0.00E+00	9.62E-07	9.62E-07	9.68E-02	9.60E-05	7.27E-05
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities -	2022	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Apprc	2022	5	0.5	15	5.67E-04	9.44E-03	3.51E-03	3.09E-07	0.00E+00	3.38E-07	3.38E-07	0.00E+00	3.10E-07	3.10E-07	3.12E-02	3.10E-05	2.35E-05
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	0.5	15	6.80E-04	1.13E-02	4.22E-03	3.71E-07	0.00E+00	4.05E-07	4.05E-07	0.00E+00	3.73E-07	3.73E-07	3.75E-02	3.71E-05	2.81E-05
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	0.5	15	1.64E-03	3.31E-02	1.02E-02	9.22E-07	0.00E+00	9.95E-07	9.95E-07	0.00E+00	9.15E-07	9.15E-07	9.31E-02	9.10E-05	7.13E-05
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	0.5	15	7.68E-04	1.54E-02	4.74E-03	4.30E-07	0.00E+00	4.64E-07	4.64E-07	0.00E+00	4.27E-07	4.27E-07	4.35E-02	4.25E-05	3.33E-05
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	0.5	15	4.39E-04	8.81E-03	2.71E-03	2.46E-07	0.00E+00	2.65E-07	2.65E-07	0.00E+00	2.44E-07	2.44E-07	2.48E-02	2.43E-05	1.90E-05
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	0.5	15	1.64E-03	3.31E-02	1.02E-02	9.22E-07	0.00E+00	9.95E-07	9.95E-07	0.00E+00	9.15E-07	9.15E-07	9.31E-02	9.10E-05	7.13E-05
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	0.5	15	1.64E-03	3.31E-02	1.02E-02	9.22E-07	0.00E+00	9.95E-07	9.95E-07	0.00E+00	9.15E-07	9.15E-07	9.31E-02	9.10E-05	7.13E-05
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	0.5	15	6.58E-04	1.32E-02	4.07E-03	3.69E-07	0.00E+00	3.98E-07	3.98E-07	0.00E+00	3.66E-07	3.66E-07	3.73E-02	3.64E-05	2.85E-05
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	0.5	15	2.19E-04	4.41E-03	1.36E-03	1.23E-07	0.00E+00	1.33E-07	1.33E-07	0.00E+00	1.22E-07	1.22E-07	1.24E-02	1.21E-05	9.50E-06
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	0.5	15	2.74E-03	5.51E-02	1.69E-02	1.54E-06	0.00E+00	1.66E-06	1.66E-06	0.00E+00	1.52E-06	1.52E-06	1.55E-01	1.52E-04	1.19E-04
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches -	2023	6	0.5	15	6.58E-04	1.32E-02	4.07E-03	3.69E-07	0.00E+00	3.98E-07	3.98E-07	0.00E+00	3.66E-07	3.66E-07	3.73E-02	3.64E-05	2.85E-05
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	0.5	15	6.58E-04	1.32E-02	4.07E-03	3.69E-07	0.00E+00	3.98E-07	3.98E-07	0.00E+00	3.66E-07	3.66E-07	3.73E-02	3.64E-05	2.85E-05
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavatio	2024	11.5	0.5	15	1.18E-03	2.54E-02	7.23E-03	6.74E-07	0.00E+00	7.26E-07	7.26E-07	0.00E+00	6.68E-07	6.68E-07	6.81E-02	6.58E-05	5.31E-05
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading -	2024	14.5	0.5	15	1.48E-03	3.21E-02	9.12E-03	8.49E-07	0.00E+00	9.16E-07	9.16E-07	0.00E+00	8.42E-07	8.42E-07	8.58E-02	8.30E-05	6.69E-05
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	0.5	15	1.48E-03	3.21E-02	9.12E-03	8.49E-07	0.00E+00	9.16E-07	9.16E-07	0.00E+00	8.42E-07	8.42E-07	8.58E-02	8.30E-05	6.69E-05
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concre	2024	8.5	0.5	15	8.70E-04	1.88E-02	5.35E-03	4.98E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.03E-02	4.87E-05	3.92E-05
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Ut	2024	15	0.5	15	1.54E-03	3.32E-02	9.44E-03	8.79E-07	0.00E+00	9.47E-07	9.47E-07	0.00E+00	8.71E-07	8.71E-07	8.88E-02	8.59E-05	6.92E-05
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electric	2024	6	0.5	15	6.14E-04	1.33E-02	3.77E-03	3.51E-07	0.00E+00	3.79E-07	3.79E-07	0.00E+00	3.48E-07	3.48E-07	3.55E-02	3.43E-05	2.77E-05
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landsc	2024	4.5	0.5	15	4.61E-04	9.96E-03	2.83E-03	2.64E-07	0.00E+00	2.84E-07	2.84E-07	0.00E+00	2.61E-07	2.61E-07	2.66E-02	2.58E-05	2.08E-05
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2	2024	2	0.5	15	2.05E-04	4.42E-03	1.26E-03	1.17E-07	0.00E+00	1.26E-07	1.26E-07	0.00E+00	1.16E-07	1.16E-07	1.18E-02	1.14E-05	9.23E-06
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2	2024	15.5	0.5	15	1.59E-03	3.43E-02	9.75E-03	9.08E-07	0.00E+00	9.79E-07	9.79E-07	0.00E+00	9.00E-07	9.00E-07	9.18E-02	8.87E-05	7.15E-05
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utili	2024	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive A	2024	5.5	0.5	15	5.63E-04	1.22E-02	3.46E-03	3.22E-07	0.00E+00	3.47E-07	3.47E-07	0.00E+00	3.19E-07	3.19E-07	3.26E-02	3.15E-05	2.54E-05
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	0.5	15	6.14E-04	1.33E-02	3.77E-03	3.51E-07	0.00E+00	3.79E-07	3.79E-07	0.00E+00	3.48E-07	3.48E-07	3.55E-02	3.43E-05	2.77E-05

						Vendor Idling Emission Factors												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission Factor (g/min)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 202	2020	9	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 20	2020	2	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities	2020	15	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 20	2020	6	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2	2020	0	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping	2020	7	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Apprc	2020	4	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches -	2021	4	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 20	2022	12	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2	2022	8.5	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilitie	2022	15	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2	2022	6	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping	2022	4.5	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities -	2022	0	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Apprc	2022	5	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches -	2023	6	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavatio	2024	11.5	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading -	2024	14.5	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concre	2024	8.5	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Ut	2024	15	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electric	2024	6	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landsc	2024	4.5	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 20	2024	2	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2	2024	15.5	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utili	2024	0	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive A	2024	5.5	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 202	2020	9	0.5	15	1.49E-01	6.45E-04	7.49E-03	9.45E-03	1.11E-05	0.00E+00	1.94E-05	1.94E-05	0.00E+00	1.85E-05	1.85E-05	1.17E+00	6.67E-05
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	0.5	15	3.31E-02	1.43E-04	1.66E-03	2.10E-03	2.47E-06	0.00E+00	4.30E-06	4.30E-06	0.00E+00	4.12E-06	4.12E-06	2.59E-01	1.48E-05
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	0.5	15	4.13E-01	1.79E-03	2.08E-02	2.63E-02	3.09E-05	0.00E+00	5.38E-05	5.38E-05	0.00E+00	5.15E-05	5.15E-05	3.24E+00	1.85E-04
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	0.5	15	9.92E-02	4.30E-04	4.99E-03	6.30E-03	7.42E-06	0.00E+00	1.29E-05	1.29E-05	0.00E+00	1.24E-05	1.24E-05	7.78E-01	4.45E-05
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2(	2020	2	0.5	15	3.31E-02	1.43E-04	1.66E-03	2.10E-03	2.47E-06	0.00E+00	4.30E-06	4.30E-06	0.00E+00	4.12E-06	4.12E-06	2.59E-01	1.48E-05
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities	2020	15	0.5	15	2.48E-01	1.08E-03	1.25E-02	1.58E-02	1.85E-05	0.00E+00	3.23E-05	3.23E-05	0.00E+00	3.09E-05	3.09E-05	1.94E+00	1.11E-04
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2(	2020	6	0.5	15	9.92E-02	4.30E-04	4.99E-03	6.30E-03	7.42E-06	0.00E+00	1.29E-05	1.29E-05	0.00E+00	1.24E-05	1.24E-05	7.78E-01	4.45E-05
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2	2020	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping	2020	7	0.5	15	1.16E-01	5.02E-04	5.83E-03	7.35E-03	8.66E-06	0.00E+00	1.51E-05	1.51E-05	0.00E+00	1.44E-05	1.44E-05	9.08E-01	5.19E-05
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	0.5	15	9.92E-02	4.30E-04	4.99E-03	6.30E-03	7.42E-06	0.00E+00	1.29E-05	1.29E-05	0.00E+00	1.24E-05	1.24E-05	7.78E-01	4.45E-05
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Apprc	2020	4	0.5	15	6.61E-02	2.87E-04	3.33E-03	4.20E-03	4.95E-06	0.00E+00	8.61E-06	8.61E-06	0.00E+00	8.24E-06	8.24E-06	5.19E-01	2.97E-05
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	0.5	15	1.49E-01	6.33E-04	7.01E-03	9.44E-03	1.10E-05	0.00E+00	1.60E-05	1.60E-05	0.00E+00	1.53E-05	1.53E-05	1.15E+00	6.61E-05
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	0.5	15	3.31E-02	1.41E-04	1.56E-03	2.10E-03	2.43E-06	0.00E+00	3.56E-06	3.56E-06	0.00E+00	3.40E-06	3.40E-06	2.55E-01	1.47E-05
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	0.5	15	4.13E-01	1.76E-03	1.95E-02	2.62E-02	3.04E-05	0.00E+00	4.45E-05	4.45E-05	0.00E+00	4.25E-05	4.25E-05	3.19E+00	1.83E-04
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	0.5	15	3.31E-02	1.41E-04	1.56E-03	2.10E-03	2.43E-06	0.00E+00	3.56E-06	3.56E-06	0.00E+00	3.40E-06	3.40E-06	2.55E-01	1.47E-05
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	0.5	15	3.31E-02	1.41E-04	1.56E-03	2.10E-03	2.43E-06	0.00E+00	3.56E-06	3.56E-06	0.00E+00	3.40E-06	3.40E-06	2.55E-01	1.47E-05
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	0.5	15	9.92E-02	4.22E-04	4.67E-03	6.30E-03	7.30E-06	0.00E+00	1.07E-05	1.07E-05	0.00E+00	1.02E-05	1.02E-05	7.66E-01	4.40E-05
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	0.5	15	1.16E-01	4.93E-04	5.45E-03	7.34E-03	8.52E-06	0.00E+00	1.25E-05	1.25E-05	0.00E+00	1.19E-05	1.19E-05	8.94E-01	5.14E-05
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	0.5	15	9.92E-02	4.22E-04	4.67E-03	6.30E-03	7.30E-06	0.00E+00	1.07E-05	1.07E-05	0.00E+00	1.02E-05	1.02E-05	7.66E-01	4.40E-05
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches -	2021	4	0.5	15	6.61E-02	2.82E-04	3.11E-03	4.20E-03	4.87E-06	0.00E+00	7.11E-06	7.11E-06	0.00E+00	6.81E-06	6.81E-06	5.11E-01	2.94E-05
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	0.5	15	9.92E-02	4.22E-04	4.67E-03	6.30E-03	7.30E-06	0.00E+00	1.07E-05	1.07E-05	0.00E+00	1.02E-05	1.02E-05	7.66E-01	4.40E-05
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2(	2022	12	0.5	15	1.98E-01	8.25E-04	8.21E-03	1.26E-02	1.43E-05	0.00E+00	1.26E-05	1.26E-05	0.00E+00	1.20E-05	1.20E-05	1.50E+00	8.74E-05
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	0.5	15	7.44E-02	3.09E-04	3.08E-03	4.73E-03	5.37E-06	0.00E+00	4.71E-06	4.71E-06	0.00E+00	4.50E-06	4.50E-06	5.64E-01	3.28E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	0.5	15	2.40E-01	9.97E-04	9.91E-03	1.53E-02	1.73E-05	0.00E+00	1.52E-05	1.52E-05	0.00E+00	1.45E-05	1.45E-05	1.82E+00	1.06E-04
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2	2022	8.5	0.5	15	1.41E-01	5.84E-04	5.81E-03	8.94E-03	1.01E-05	0.00E+00	8.89E-06	8.89E-06	0.00E+00	8.51E-06	8.51E-06	1.06E+00	6.19E-05
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilitie	2022	15	0.5	15	2.48E-01	1.03E-03	1.03E-02	1.58E-02	1.79E-05	0.00E+00	1.57E-05	1.57E-05	0.00E+00	1.50E-05	1.50E-05	1.88E+00	1.09E-04
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2	2022	6	0.5	15	9.92E-02	4.12E-04	4.10E-03	6.31E-03	7.16E-06	0.00E+00	6.28E-06	6.28E-06	0.00E+00	6.01E-06	6.01E-06	7.52E-01	4.37E-05
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping	2022	4.5	0.5	15	7.44E-02	3.09E-04	3.08E-03	4.73E-03	5.37E-06	0.00E+00	4.71E-06	4.71E-06	0.00E+00	4.50E-06	4.50E-06	5.64E-01	3.28E-05
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	0.5	15	2.56E-01	1.07E-03	1.06E-02	1.63E-02	1.85E-05	0.00E+00	1.62E-05	1.62E-05	0.00E+00	1.55E-05	1.55E-05	1.94E+00	1.13E-04
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities -	2022	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Apprc	2022	5	0.5	15	8.27E-02	3.44E-04	3.42E-03	5.26E-03	5.97E-06	0.00E+00	5.23E-06	5.23E-06	0.00E+00	5.01E-06	5.01E-06	6.26E-01	3.64E-05
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	0.5	15	9.92E-02	4.12E-04	4.10E-03	6.31E-03	7.16E-06	0.00E+00	6.28E-06	6.28E-06	0.00E+00	6.01E-06	6.01E-06	7.52E-01	4.37E-05
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	0.5	15	2.48E-01	1.02E-03	8.28E-03	1.63E-02	1.73E-05	0.00E+00	5.68E-06	5.68E-06	0.00E+00	5.44E-06	5.44E-06	1.81E+00	1.10E-04
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	0.5	15	1.16E-01	4.75E-04	3.86E-03	7.59E-03	8.05E-06	0.00E+00	2.65E-06	2.65E-06	0.00E+00	2.54E-06	2.54E-06	8.46E-01	5.12E-05
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	0.5	15	6.61E-02	2.71E-04	2.21E-03	4.34E-03	4.60E-06	0.00E+00	1.52E-06	1.52E-06	0.00E+00	1.45E-06	1.45E-06	4.83E-01	2.93E-05
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	0.5	15	2.48E-01	1.02E-03	8.28E-03	1.63E-02	1.73E-05	0.00E+00	5.68E-06	5.68E-06	0.00E+00	5.44E-06	5.44E-06	1.81E+00	1.10E-04
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	0.5	15	2.48E-01	1.02E-03	8.28E-03	1.63E-02	1.73E-05	0.00E+00	5.68E-06	5.68E-06	0.00E+00	5.44E-06	5.44E-06	1.81E+00	1.10E-04
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	0.5	15	9.92E-02	4.07E-04	3.31E-03	6.50E-03	6.90E-06	0.00E+00	2.27E-06	2.27E-06	0.00E+00	2.17E-06	2.17E-06	7.25E-01	4.39E-05
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	0.5	15	3.31E-02	1.36E-04	1.10E-03	2.17E-03	2.30E-06	0.00E+00	7.58E-07	7.58E-07	0.00E+00	7.25E-07	7.25E-07	2.42E-01	1.46E-05
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	0.5	15	4.13E-01	1.70E-03	1.38E-02	2.71E-02	2.88E-05	0.00E+00	9.47E-06	9.47E-06	0.00E+00	9.06E-06	9.06E-06	3.02E+00	1.83E-04
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches -	2023	6	0.5	15	9.92E-02	4.07E-04	3.31E-03	6.50E-03	6.90E-06	0.00E+00	2.27E-06	2.27E-06	0.00E+00	2.17E-06	2.17E-06	7.25E-01	4.39E-05
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	0.5	15	9.92E-02	4.07E-04	3.31E-03	6.50E-03	6.90E-06	0.00E+00	2.27E-06	2.27E-06	0.00E+00	2.17E-06	2.17E-06	7.25E-01	4.39E-05
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavatio	2024	11.5	0.5	15	1.90E-01	7.65E-04	6.27E-03	1.23E-02	1.30E-05	0.00E+00	3.96E-06	3.96E-06	0.00E+00	3.79E-06	3.79E-06	1.37E+00	8.25E-05
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading -	2024	14.5	0.5	15	2.40E-01	9.64E-04	7.91E-03	1.55E-02	1.64E-05	0.00E+00	4.99E-06	4.99E-06	0.00E+00	4.78E-06	4.78E-06	1.73E+00	1.04E-04
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	0.5	15	2.40E-01	9.64E-04	7.91E-03	1.55E-02	1.64E-05	0.00E+00	4.99E-06	4.99E-06	0.00E+00	4.78E-06	4.78E-06	1.73E+00	1.04E-04
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concre	2024	8.5	0.5	15	1.41E-01	5.65E-04	4.63E-03	9.08E-03	9.63E-06	0.00E+00	2.93E-06	2.93E-06	0.00E+00	2.80E-06	2.80E-06	1.01E+00	6.10E-05
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Ut	2024	15	0.5	15	2.48E-01	9.98E-04	8.18E-03	1.60E-02	1.70E-05	0.00E+00	5.16E-06	5.16E-06	0.00E+00	4.94E-06	4.94E-06	1.79E+00	1.08E-04
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electric	2024	6	0.5	15	9.92E-02	3.99E-04	3.27E-03	6.41E-03	6.79E-06	0.00E+00	2.07E-06	2.07E-06	0.00E+00	1.98E-06	1.98E-06	7.14E-01	4.30E-05
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landsc	2024	4.5	0.5	15	7.44E-02	2.99E-04	2.45E-03	4.81E-03	5.10E-06	0.00E+00	1.55E-06	1.55E-06	0.00E+00	1.48E-06	1.48E-06	5.36E-01	3.23E-05
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2(	2024	2	0.5	15	3.31E-02	1.33E-04	1.09E-03	2.14E-03	2.26E-06	0.00E+00	6.88E-07	6.88E-07	0.00E+00	6.59E-07	6.59E-07	2.38E-01	1.43E-05
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2	2024	15.5	0.5	15	2.56E-01	1.03E-03	8.45E-03	1.66E-02	1.76E-05	0.00E+00	5.34E-06	5.34E-06	0.00E+00	5.10E-06	5.10E-06	1.85E+00	1.11E-04
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utili	2024	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive A	2024	5.5	0.5	15	9.09E-02	3.66E-04	3.00E-03	5.88E-03	6.23E-06	0.00E+00	1.89E-06	1.89E-06	0.00E+00	1.81E-06	1.81E-06	6.55E-01	3.94E-05
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	0.5	15	9.92E-02	3.99E-04	3.27E-03	6.41E-03	6.79E-06	0.00E+00	2.07E-06	2.07E-06	0.00E+00	1.98E-06	1.98E-06	7.14E-01	4.30E-05

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Vendor Running Emission Factors ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/mile)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 202	2020	9	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2(	2020	2	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities	2020	15	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2(	2020	6	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2	2020	0	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping	2020	7	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Apprc	2020	4	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches -	2021	4	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2(	2022	12	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2	2022	8.5	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilitie	2022	15	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2	2022	6	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping	2022	4.5	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities -	2022	0	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Apprc	2022	5	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches -	2023	6	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavatio	2024	11.5	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading -	2024	14.5	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concre	2024	8.5	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Ut	2024	15	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electric	2024	6	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landsc	2024	4.5	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2(	2024	2	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2	2024	15.5	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utili	2024	0	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive A	2024	5.5	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 202	2020	9	0.5	15	1.35E-03	3.44E-02	7.29E-03	1.21E-04	1.87	1.20E-03	1.88E+00	1.87E-01	6.51E-04	1.88E-01	1.29E+01	4.40E-04	1.86E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	0.5	15	3.01E-04	7.64E-03	1.62E-03	2.68E-05	0.42	2.66E-04	4.17E-01	4.16E-02	1.45E-04	4.17E-02	2.88E+00	9.77E-05	4.13E-04
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	0.5	15	3.76E-03	9.55E-02	2.02E-02	3.35E-04	5.21	3.32E-03	5.21E+00	5.20E-01	1.81E-03	5.22E-01	3.60E+01	1.22E-03	5.17E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	0.5	15	9.02E-04	2.29E-02	4.86E-03	8.04E-05	1.25	7.97E-04	1.25E+00	1.25E-01	4.34E-04	1.25E-01	8.63E+00	2.93E-04	1.24E-03
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 20	2020	2	0.5	15	3.01E-04	7.64E-03	1.62E-03	2.68E-05	0.42	2.66E-04	4.17E-01	4.16E-02	1.45E-04	4.17E-02	2.88E+00	9.77E-05	4.13E-04
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities	2020	15	0.5	15	2.26E-03	5.73E-02	1.21E-02	2.01E-04	3.12	1.99E-03	3.13E+00	3.12E-01	1.08E-03	3.13E-01	2.16E+01	7.33E-04	3.10E-03
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 20	2020	6	0.5	15	9.02E-04	2.29E-02	4.86E-03	8.04E-05	1.25	7.97E-04	1.25E+00	1.25E-01	4.34E-04	1.25E-01	8.63E+00	2.93E-04	1.24E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2	2020	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping	2020	7	0.5	15	1.05E-03	2.67E-02	5.67E-03	9.38E-05	1.46	9.30E-04	1.46E+00	1.46E-01	5.06E-04	1.46E-01	1.01E+01	3.42E-04	1.45E-03
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	0.5	15	9.02E-04	2.29E-02	4.86E-03	8.04E-05	1.25	7.97E-04	1.25E+00	1.25E-01	4.34E-04	1.25E-01	8.63E+00	2.93E-04	1.24E-03
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Apprc	2020	4	0.5	15	6.01E-04	1.53E-02	3.24E-03	5.36E-05	0.83	5.31E-04	8.33E-01	8.32E-02	2.89E-04	8.35E-02	5.75E+00	1.95E-04	8.27E-04
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	0.5	15	1.10E-03	3.01E-02	6.29E-03	1.18E-04	1.87	1.20E-03	1.88E+00	1.87E-01	5.39E-04	1.88E-01	1.27E+01	4.31E-04	1.82E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	0.5	15	2.44E-04	6.70E-03	1.40E-03	2.62E-05	0.42	2.66E-04	4.17E-01	4.16E-02	1.20E-04	4.17E-02	2.82E+00	9.59E-05	4.05E-04
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	0.5	15	3.05E-03	8.37E-02	1.75E-02	3.28E-04	5.21	3.32E-03	5.21E+00	5.20E-01	1.50E-03	5.21E-01	3.52E+01	1.20E-03	5.07E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	0.5	15	2.44E-04	6.70E-03	1.40E-03	2.62E-05	0.42	2.66E-04	4.17E-01	4.16E-02	1.20E-04	4.17E-02	2.82E+00	9.59E-05	4.05E-04
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	0.5	15	2.44E-04	6.70E-03	1.40E-03	2.62E-05	0.42	2.66E-04	4.17E-01	4.16E-02	1.20E-04	4.17E-02	2.82E+00	9.59E-05	4.05E-04
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	0.5	15	7.33E-04	2.01E-02	4.20E-03	7.87E-05	1.25	7.97E-04	1.25E+00	1.25E-01	3.59E-04	1.25E-01	8.46E+00	2.88E-04	1.22E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	0.5	15	8.55E-04	2.34E-02	4.89E-03	9.18E-05	1.46	9.30E-04	1.46E+00	1.46E-01	4.19E-04	1.46E-01	9.86E+00	3.36E-04	1.42E-03
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	0.5	15	7.33E-04	2.01E-02	4.20E-03	7.87E-05	1.25	7.97E-04	1.25E+00	1.25E-01	3.59E-04	1.25E-01	8.46E+00	2.88E-04	1.22E-03
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches -	2021	4	0.5	15	4.89E-04	1.34E-02	2.80E-03	5.25E-05	0.83	5.31E-04	8.33E-01	8.32E-02	2.39E-04	8.34E-02	5.64E+00	1.92E-04	8.11E-04
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	0.5	15	7.33E-04	2.01E-02	4.20E-03	7.87E-05	1.25	7.97E-04	1.25E+00	1.25E-01	3.59E-04	1.25E-01	8.46E+00	2.88E-04	1.22E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 20	2022	12	0.5	15	8.52E-04	3.21E-02	6.18E-03	1.53E-04	2.50	1.59E-03	2.50E+00	2.50E-01	3.95E-04	2.50E-01	1.64E+01	5.49E-04	2.36E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	0.5	15	3.19E-04	1.20E-02	2.32E-03	5.72E-05	0.94	5.98E-04	9.38E-01	9.36E-02	1.48E-04	9.37E-02	6.16E+00	2.06E-04	8.85E-04
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	0.5	15	1.03E-03	3.88E-02	7.47E-03	1.84E-04	3.02	1.93E-03	3.02E+00	3.02E-01	4.77E-04	3.02E-01	1.98E+01	6.64E-04	2.85E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2	2022	8.5	0.5	15	6.03E-04	2.27E-02	4.38E-03	1.08E-04	1.77	1.13E-03	1.77E+00	1.77E-01	2.80E-04	1.77E-01	1.16E+01	3.89E-04	1.67E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilitie	2022	15	0.5	15	1.06E-03	4.01E-02	7.73E-03	1.91E-04	3.12	1.99E-03	3.13E+00	3.12E-01	4.94E-04	3.12E-01	2.05E+01	6.87E-04	2.95E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2	2022	6	0.5	15	4.26E-04	1.60E-02	3.09E-03	7.63E-05	1.25	7.97E-04	1.25E+00	1.25E-01	1.98E-04	1.25E-01	8.21E+00	2.75E-04	1.18E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping	2022	4.5	0.5	15	3.19E-04	1.20E-02	2.32E-03	5.72E-05	0.94	5.98E-04	9.38E-01	9.36E-02	1.48E-04	9.37E-02	6.16E+00	2.06E-04	8.85E-04
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	0.5	15	1.10E-03	4.15E-02	7.99E-03	1.97E-04	3.23	2.06E-03	3.23E+00	3.22E-01	5.10E-04	3.23E-01	2.12E+01	7.10E-04	3.05E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities -	2022	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Apprc	2022	5	0.5	15	3.55E-04	1.34E-02	2.58E-03	6.36E-05	1.04	6.64E-04	1.04E+00	1.04E-01	1.65E-04	1.04E-01	6.84E+00	2.29E-04	9.84E-04
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	0.5	15	4.26E-04	1.60E-02	3.09E-03	7.63E-05	1.25	7.97E-04	1.25E+00	1.25E-01	1.98E-04	1.25E-01	8.21E+00	2.75E-04	1.18E-03
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	0.5	15	3.06E-04	2.87E-02	5.40E-03	1.82E-04	3.12	1.99E-03	3.13E+00	3.12E-01	2.13E-04	3.12E-01	1.96E+01	6.54E-04	2.81E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	0.5	15	1.43E-04	1.34E-02	2.52E-03	8.47E-05	1.46	9.30E-04	1.46E+00	1.46E-01	9.95E-05	1.46E-01	9.13E+00	3.05E-04	1.31E-03
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	0.5	15	8.16E-05	7.66E-03	1.44E-03	4.84E-05	0.83	5.31E-04	8.33E-01	8.32E-02	5.69E-05	8.33E-02	5.22E+00	1.74E-04	7.49E-04
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	0.5	15	3.06E-04	2.87E-02	5.40E-03	1.82E-04	3.12	1.99E-03	3.13E+00	3.12E-01	2.13E-04	3.12E-01	1.96E+01	6.54E-04	2.81E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	0.5	15	3.06E-04	2.87E-02	5.40E-03	1.82E-04	3.12	1.99E-03	3.13E+00	3.12E-01	2.13E-04	3.12E-01	1.96E+01	6.54E-04	2.81E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	0.5	15	1.22E-04	1.15E-02	2.16E-03	7.26E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.53E-05	1.25E-01	7.82E+00	2.62E-04	1.12E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	0.5	15	4.08E-05	3.83E-03	7.20E-04	2.42E-05	0.42	2.66E-04	4.17E-01	4.16E-02	2.84E-05	4.16E-02	2.61E+00	8.72E-05	3.74E-04
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	0.5	15	5.10E-04	4.79E-02	9.00E-03	3.03E-04	5.21	3.32E-03	5.21E+00	5.20E-01	3.55E-04	5.20E-01	3.26E+01	1.09E-03	4.68E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches -	2023	6	0.5	15	1.22E-04	1.15E-02	2.16E-03	7.26E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.53E-05	1.25E-01	7.82E+00	2.62E-04	1.12E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	0.5	15	1.22E-04	1.15E-02	2.16E-03	7.26E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.53E-05	1.25E-01	7.82E+00	2.62E-04	1.12E-03
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavatio	2024	11.5	0.5	15	2.26E-04	2.22E-02	4.03E-03	1.37E-04	2.39	1.53E-03	2.40E+00	2.39E-01	1.64E-04	2.39E-01	1.48E+01	5.02E-04	2.13E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading -	2024	14.5	0.5	15	2.85E-04	2.80E-02	5.09E-03	1.73E-04	3.02	1.93E-03	3.02E+00	3.02E-01	2.07E-04	3.02E-01	1.86E+01	6.33E-04	2.68E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	0.5	15	2.85E-04	2.80E-02	5.09E-03	1.73E-04	3.02	1.93E-03	3.02E+00	3.02E-01	2.07E-04	3.02E-01	1.86E+01	6.33E-04	2.68E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concre	2024	8.5	0.5	15	1.67E-04	1.64E-02	2.98E-03	1.01E-04	1.77	1.13E-03	1.77E+00	1.77E-01	1.21E-04	1.77E-01	1.09E+01	3.71E-04	1.57E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Ut	2024	15	0.5	15	2.95E-04	2.90E-02	5.26E-03	1.79E-04	3.12	1.99E-03	3.13E+00	3.12E-01	2.14E-04	3.12E-01	1.93E+01	6.55E-04	2.77E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electric	2024	6	0.5	15	1.18E-04	1.16E-02	2.11E-03	7.15E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.56E-05	1.25E-01	7.71E+00	2.62E-04	1.11E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landsc	2024	4.5	0.5	15	8.85E-05	8.69E-03	1.58E-03	5.36E-05	0.94	5.98E-04	9.38E-01	9.36E-02	6.42E-05	9.37E-02	5.78E+00	1.96E-04	8.32E-04
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 20	2024	2	0.5	15	3.94E-05	3.86E-03	7.02E-04	2.38E-05	0.42	2.66E-04	4.17E-01	4.16E-02	2.85E-05	4.16E-02	2.57E+00	8.73E-05	3.70E-04
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2	2024	15.5	0.5	15	3.05E-04	2.99E-02	5.44E-03	1.85E-04	3.23	2.06E-03	3.23E+00	3.22E-01	2.21E-04	3.23E-01	1.99E+01	6.77E-04	2.86E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utili	2024	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive A	2024	5.5	0.5	15	1.08E-04	1.06E-02	1.93E-03	6.56E-05	1.15	7.31E-04	1.15E+00	1.14E-01	7.84E-05	1.14E-01	7.07E+00	2.40E-04	1.02E-03
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	0.5	15	1.18E-04	1.16E-02	2.11E-03	7.15E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.56E-05	1.25E-01	7.71E+00	2.62E-04	1.11E-03

Worker Starting/Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission Factor (g/trip)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 20	2020	50	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2	2020	25	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities	2020	25	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2	2020	15	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities -	2020	0	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscapir	2020	10	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Appr	2020	10	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 202	2021	25	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 202	2021	10	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches	2021	10	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2	2022	50	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 202	2022	12.5	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete -	2022	37.5	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utiliti	2022	25	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical -	2022	15	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscapir	2022	17.5	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities	2022	0	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Appr	2022	12.5	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 202	2023	25	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 202	2023	25	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches	2023	15	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavatic	2024	50	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading	2024	25	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concr	2024	37.5	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet U	2024	25	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electr	2024	15	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Lands	2024	17.5	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2	2024	12.5	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2	2024	25	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Uti	2024	0	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive	2024	10	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 20	2020	50	0.5	6.03E-02	1.46E-02	1.34E-01	3.46E-05	0.00E+00	1.27E-04	1.27E-04	0.00E+00	1.17E-04	1.17E-04	3.50E+00	3.85E-03	1.67E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	0.5	1.81E-02	4.38E-03	4.02E-02	1.04E-05	0.00E+00	3.81E-05	3.81E-05	0.00E+00	3.50E-05	3.50E-05	1.05E+00	1.16E-03	5.01E-04
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	0.5	4.83E-02	1.17E-02	1.07E-01	2.77E-05	0.00E+00	1.02E-04	1.02E-04	0.00E+00	9.34E-05	9.34E-05	2.80E+00	3.08E-03	1.34E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	0.5	1.21E-02	2.92E-03	2.68E-02	6.92E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.34E-05	2.34E-05	7.00E-01	7.71E-04	3.34E-04
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2	2020	25	0.5	3.02E-02	7.31E-03	6.71E-02	1.73E-05	0.00E+00	6.35E-05	6.35E-05	0.00E+00	5.84E-05	5.84E-05	1.75E+00	1.93E-03	8.35E-04
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities	2020	25	0.5	3.02E-02	7.31E-03	6.71E-02	1.73E-05	0.00E+00	6.35E-05	6.35E-05	0.00E+00	5.84E-05	5.84E-05	1.75E+00	1.93E-03	8.35E-04
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2	2020	15	0.5	1.81E-02	4.38E-03	4.02E-02	1.04E-05	0.00E+00	3.81E-05	3.81E-05	0.00E+00	3.50E-05	3.50E-05	1.05E+00	1.16E-03	5.01E-04
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities -	2020	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscapir	2020	10	0.5	1.21E-02	2.92E-03	2.68E-02	6.92E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.34E-05	2.34E-05	7.00E-01	7.71E-04	3.34E-04
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	0.5	3.02E-02	7.31E-03	6.71E-02	1.73E-05	0.00E+00	6.35E-05	6.35E-05	0.00E+00	5.84E-05	5.84E-05	1.75E+00	1.93E-03	8.35E-04
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Appr	2020	10	0.5	1.21E-02	2.92E-03	2.68E-02	6.92E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.34E-05	2.34E-05	7.00E-01	7.71E-04	3.34E-04
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	0.5	5.58E-02	1.34E-02	1.30E-01	3.36E-05	0.00E+00	1.19E-04	1.19E-04	0.00E+00	1.10E-04	1.10E-04	3.39E+00	3.54E-03	1.59E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	0.5	1.67E-02	4.03E-03	3.89E-02	1.01E-05	0.00E+00	3.58E-05	3.58E-05	0.00E+00	3.29E-05	3.29E-05	1.02E+00	1.06E-03	4.78E-04
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	0.5	4.46E-02	1.07E-02	1.04E-01	2.69E-05	0.00E+00	9.54E-05	9.54E-05	0.00E+00	8.77E-05	8.77E-05	2.71E+00	2.83E-03	1.27E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	0.5	2.79E-02	6.71E-03	6.48E-02	1.68E-05	0.00E+00	5.96E-05	5.96E-05	0.00E+00	5.48E-05	5.48E-05	1.70E+00	1.77E-03	7.96E-04
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 202	2021	25	0.5	2.79E-02	6.71E-03	6.48E-02	1.68E-05	0.00E+00	5.96E-05	5.96E-05	0.00E+00	5.48E-05	5.48E-05	1.70E+00	1.77E-03	7.96E-04
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	0.5	1.67E-02	4.03E-03	3.89E-02	1.01E-05	0.00E+00	3.58E-05	3.58E-05	0.00E+00	3.29E-05	3.29E-05	1.02E+00	1.06E-03	4.78E-04
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 202	2021	10	0.5	1.12E-02	2.68E-03	2.59E-02	6.71E-06	0.00E+00	2.38E-05	2.38E-05	0.00E+00	2.19E-05	2.19E-05	6.78E-01	7.08E-04	3.18E-04
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	0.5	1.12E-02	2.68E-03	2.59E-02	6.71E-06	0.00E+00	2.38E-05	2.38E-05	0.00E+00	2.19E-05	2.19E-05	6.78E-01	7.08E-04	3.18E-04
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches	2021	10	0.5	1.12E-02	2.68E-03	2.59E-02	6.71E-06	0.00E+00	2.38E-05	2.38E-05	0.00E+00	2.19E-05	2.19E-05	6.78E-01	7.08E-04	3.18E-04
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	0.5	2.79E-02	6.71E-03	6.48E-02	1.68E-05	0.00E+00	5.96E-05	5.96E-05	0.00E+00	5.48E-05	5.48E-05	1.70E+00	1.77E-03	7.96E-04
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2	2022	50	0.5	5.18E-02	1.24E-02	1.25E-01	3.25E-05	0.00E+00	1.12E-04	1.12E-04	0.00E+00	1.03E-04	1.03E-04	3.29E+00	3.26E-03	1.52E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 202	2022	12.5	0.5	1.29E-02	3.09E-03	3.13E-02	8.13E-06	0.00E+00	2.81E-05	2.81E-05	0.00E+00	2.58E-05	2.58E-05	8.22E-01	8.15E-04	3.79E-04
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	0.5	2.59E-02	6.18E-03	6.26E-02	1.63E-05	0.00E+00	5.62E-05	5.62E-05	0.00E+00	5.17E-05	5.17E-05	1.64E+00	1.63E-03	7.59E-04
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete -	2022	37.5	0.5	3.88E-02	9.27E-03	9.39E-02	2.44E-05	0.00E+00	8.43E-05	8.43E-05	0.00E+00	7.75E-05	7.75E-05	2.46E+00	2.45E-03	1.14E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilitie	2022	25	0.5	2.59E-02	6.18E-03	6.26E-02	1.63E-05	0.00E+00	5.62E-05	5.62E-05	0.00E+00	5.17E-05	5.17E-05	1.64E+00	1.63E-03	7.59E-04
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical -	2022	15	0.5	1.55E-02	3.71E-03	3.76E-02	9.76E-06	0.00E+00	3.37E-05	3.37E-05	0.00E+00	3.10E-05	3.10E-05	9.86E-01	9.78E-04	4.55E-04
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscapir	2022	17.5	0.5	1.81E-02	4.33E-03	4.38E-02	1.14E-05	0.00E+00	3.93E-05	3.93E-05	0.00E+00	3.62E-05	3.62E-05	1.15E+00	1.14E-03	5.31E-04
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	0.5	2.59E-02	6.18E-03	6.26E-02	1.63E-05	0.00E+00	5.62E-05	5.62E-05	0.00E+00	5.17E-05	5.17E-05	1.64E+00	1.63E-03	7.59E-04
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities	2022	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Appr	2022	12.5	0.5	1.29E-02	3.09E-03	3.13E-02	8.13E-06	0.00E+00	2.81E-05	2.81E-05	0.00E+00	2.58E-05	2.58E-05	8.22E-01	8.15E-04	3.79E-04
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	0.5	1.81E-02	4.33E-03	4.38E-02	1.14E-05	0.00E+00	3.93E-05	3.93E-05	0.00E+00	3.62E-05	3.62E-05	1.15E+00	1.14E-03	5.31E-04
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	0.5	4.83E-02	1.14E-02	1.21E-01	3.15E-05	0.00E+00	1.07E-04	1.07E-04	0.00E+00	9.79E-05	9.79E-05	3.18E+00	3.00E-03	1.45E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	0.5	9.65E-03	2.29E-03	2.42E-02	6.30E-06	0.00E+00	2.13E-05	2.13E-05	0.00E+00	1.96E-05	1.96E-05	6.36E-01	6.01E-04	2.89E-04
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	0.5	9.65E-03	2.29E-03	2.42E-02	6.30E-06	0.00E+00	2.13E-05	2.13E-05	0.00E+00	1.96E-05	1.96E-05	6.36E-01	6.01E-04	2.89E-04
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	0.5	4.83E-02	1.14E-02	1.21E-01	3.15E-05	0.00E+00	1.07E-04	1.07E-04	0.00E+00	9.79E-05	9.79E-05	3.18E+00	3.00E-03	1.45E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 202	2023	25	0.5	2.41E-02	5.71E-03	6.05E-02	1.57E-05	0.00E+00	5.33E-05	5.33E-05	0.00E+00	4.90E-05	4.90E-05	1.59E+00	1.50E-03	7.23E-04
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	0.5	1.45E-02	3.43E-03	3.63E-02	9.44E-06	0.00E+00	3.20E-05	3.20E-05	0.00E+00	2.94E-05	2.94E-05	9.54E-01	9.01E-04	4.34E-04
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 202	2023	25	0.5	2.41E-02	5.71E-03	6.05E-02	1.57E-05	0.00E+00	5.33E-05	5.33E-05	0.00E+00	4.90E-05	4.90E-05	1.59E+00	1.50E-03	7.23E-04
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	0.5	3.86E-02	9.14E-03	9.67E-02	2.52E-05	0.00E+00	8.52E-05	8.52E-05	0.00E+00	7.84E-05	7.84E-05	2.54E+00	2.40E-03	1.16E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches	2023	15	0.5	1.45E-02	3.43E-03	3.63E-02	9.44E-06	0.00E+00	3.20E-05	3.20E-05	0.00E+00	2.94E-05	2.94E-05	9.54E-01	9.01E-04	4.34E-04
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	0.5	9.65E-03	2.29E-03	2.42E-02	6.30E-06	0.00E+00	2.13E-05	2.13E-05	0.00E+00	1.96E-05	1.96E-05	6.36E-01	6.01E-04	2.89E-04
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavatic	2024	50	0.5	4.51E-02	1.06E-02	1.17E-01	3.04E-05	0.00E+00	1.02E-04	1.02E-04	0.00E+00	9.34E-05	9.34E-05	3.08E+00	2.77E-03	1.38E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading	2024	25	0.5	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	0.5	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concr	2024	37.5	0.5	3.38E-02	7.95E-03	8.74E-02	2.28E-05	0.00E+00	7.61E-05	7.61E-05	0.00E+00	7.00E-05	7.00E-05	2.31E+00	2.08E-03	1.03E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet U	2024	25	0.5	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electr	2024	15	0.5	1.35E-02	3.18E-03	3.50E-02	9.13E-06	0.00E+00	3.05E-05	3.05E-05	0.00E+00	2.80E-05	2.80E-05	9.23E-01	8.30E-04	4.13E-04
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Lands	2024	17.5	0.5	1.58E-02	3.71E-03	4.08E-02	1.07E-05	0.00E+00	3.55E-05	3.55E-05	0.00E+00	3.27E-05	3.27E-05	1.08E+00	9.69E-04	4.82E-04
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2	2024	12.5	0.5	1.13E-02	2.65E-03	2.91E-02	7.61E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.33E-05	2.33E-05	7.69E-01	6.92E-04	3.44E-04
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2	2024	25	0.5	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Uti	2024	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive	2024	10	0.5	9.02E-03	2.12E-03	2.33E-02	6.09E-06	0.00E+00	2.03E-05	2.03E-05	0.00E+00	1.87E-05	1.87E-05	6.15E-01	5.54E-04	2.75E-04
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	0.5	1.58E-02	3.71E-03	4.08E-02	1.07E-05	0.00E+00	3.55E-05	3.55E-05	0.00E+00	3.27E-05	3.27E-05	1.08E+00	9.69E-04	4.82E-04

Worker Running Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission Factor (g/mile)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 20	2020	50	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2	2020	25	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities	2020	25	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2	2020	15	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities -	2020	0	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscapir	2020	10	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Appr	2020	10	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 202	2021	25	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 202	2021	10	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches	2021	10	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2	2022	50	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 202	2022	12.5	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete -	2022	37.5	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utiliti	2022	25	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical -	2022	15	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscapir	2022	17.5	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities	2022	0	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Appr	2022	12.5	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 202	2023	25	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 202	2023	25	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches	2023	15	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavatic	2024	50	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading	2024	25	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concr	2024	37.5	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet U	2024	25	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electr	2024	15	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Lands	2024	17.5	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2	2024	12.5	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2	2024	25	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Uti	2024	0	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive	2024	10	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 20	2020	50	0.5	1.32E-03	4.97E-03	6.28E-02	1.71E-04	1.04E+01	1.20E-04	1.04E+01	1.04E+00	1.11E-04	1.04E+00	1.73E+01	3.10E-04	4.18E-04
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	0.5	3.97E-04	1.49E-03	1.88E-02	5.14E-05	3.12E+00	3.61E-05	3.12E+00	3.12E-01	3.32E-05	3.12E-01	5.20E+00	9.29E-05	1.25E-04
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	0.5	1.06E-03	3.98E-03	5.02E-02	1.37E-04	8.33E+00	9.63E-05	8.33E+00	8.31E-01	8.87E-05	8.31E-01	1.39E+01	2.48E-04	3.34E-04
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	0.5	2.65E-04	9.94E-04	1.26E-02	3.43E-05	2.08E+00	2.41E-05	2.08E+00	2.08E-01	2.22E-05	2.08E-01	3.46E+00	6.19E-05	8.36E-05
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2	2020	25	0.5	6.62E-04	2.49E-03	3.14E-02	8.57E-05	5.20E+00	6.02E-05	5.20E+00	5.19E-01	5.54E-05	5.19E-01	8.66E+00	1.55E-04	2.09E-04
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities	2020	25	0.5	6.62E-04	2.49E-03	3.14E-02	8.57E-05	5.20E+00	6.02E-05	5.20E+00	5.19E-01	5.54E-05	5.19E-01	8.66E+00	1.55E-04	2.09E-04
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2	2020	15	0.5	3.97E-04	1.49E-03	1.88E-02	5.14E-05	3.12E+00	3.61E-05	3.12E+00	3.12E-01	3.32E-05	3.12E-01	5.20E+00	9.29E-05	1.25E-04
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities -	2020	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscapir	2020	10	0.5	2.65E-04	9.94E-04	1.26E-02	3.43E-05	2.08E+00	2.41E-05	2.08E+00	2.08E-01	2.22E-05	2.08E-01	3.46E+00	6.19E-05	8.36E-05
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	0.5	6.62E-04	2.49E-03	3.14E-02	8.57E-05	5.20E+00	6.02E-05	5.20E+00	5.19E-01	5.54E-05	5.19E-01	8.66E+00	1.55E-04	2.09E-04
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Appr	2020	10	0.5	2.65E-04	9.94E-04	1.26E-02	3.43E-05	2.08E+00	2.41E-05	2.08E+00	2.08E-01	2.22E-05	2.08E-01	3.46E+00	6.19E-05	8.36E-05
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	0.5	1.14E-03	4.30E-03	5.66E-02	1.66E-04	1.04E+01	1.12E-04	1.04E+01	1.04E+00	1.03E-04	1.04E+00	1.68E+01	2.71E-04	3.77E-04
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	0.5	3.43E-04	1.29E-03	1.70E-02	4.99E-05	3.12E+00	3.37E-05	3.12E+00	3.12E-01	3.10E-05	3.12E-01	5.05E+00	8.12E-05	1.13E-04
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	0.5	9.14E-04	3.44E-03	4.53E-02	1.33E-04	8.33E+00	8.99E-05	8.33E+00	8.31E-01	8.28E-05	8.31E-01	1.35E+01	2.16E-04	3.02E-04
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	0.5	5.71E-04	2.15E-03	2.83E-02	8.32E-05	5.20E+00	5.62E-05	5.20E+00	5.19E-01	5.17E-05	5.19E-01	8.41E+00	1.35E-04	1.89E-04
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 202	2021	25	0.5	5.71E-04	2.15E-03	2.83E-02	8.32E-05	5.20E+00	5.62E-05	5.20E+00	5.19E-01	5.17E-05	5.19E-01	8.41E+00	1.35E-04	1.89E-04
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	0.5	3.43E-04	1.29E-03	1.70E-02	4.99E-05	3.12E+00	3.37E-05	3.12E+00	3.12E-01	3.10E-05	3.12E-01	5.05E+00	8.12E-05	1.13E-04
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 202	2021	10	0.5	2.29E-04	8.60E-04	1.13E-02	3.33E-05	2.08E+00	2.25E-05	2.08E+00	2.08E-01	2.07E-05	2.08E-01	3.36E+00	5.41E-05	7.55E-05
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	0.5	2.29E-04	8.60E-04	1.13E-02	3.33E-05	2.08E+00	2.25E-05	2.08E+00	2.08E-01	2.07E-05	2.08E-01	3.36E+00	5.41E-05	7.55E-05
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches	2021	10	0.5	2.29E-04	8.60E-04	1.13E-02	3.33E-05	2.08E+00	2.25E-05	2.08E+00	2.08E-01	2.07E-05	2.08E-01	3.36E+00	5.41E-05	7.55E-05
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	0.5	5.71E-04	2.15E-03	2.83E-02	8.32E-05	5.20E+00	5.62E-05	5.20E+00	5.19E-01	5.17E-05	5.19E-01	8.41E+00	1.35E-04	1.89E-04
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2	2022	50	0.5	9.88E-04	3.74E-03	5.14E-02	1.61E-04	1.04E+01	1.05E-04	1.04E+01	1.04E+00	9.67E-05	1.04E+00	1.63E+01	2.37E-04	3.43E-04
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 202	2022	12.5	0.5	2.47E-04	9.36E-04	1.28E-02	4.03E-05	2.60E+00	2.63E-05	2.60E+00	2.60E-01	2.42E-05	2.60E-01	4.07E+00	5.92E-05	8.57E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	0.5	4.94E-04	1.87E-03	2.57E-02	8.06E-05	5.20E+00	5.25E-05	5.20E+00	5.19E-01	4.84E-05	5.19E-01	8.15E+00	1.18E-04	1.71E-04
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete -	2022	37.5	0.5	7.41E-04	2.81E-03	3.85E-02	1.21E-04	7.81E+00	7.88E-05	7.81E+00	7.79E-01	7.25E-05	7.79E-01	1.22E+01	1.78E-04	2.57E-04
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilitie	2022	25	0.5	4.94E-04	1.87E-03	2.57E-02	8.06E-05	5.20E+00	5.25E-05	5.20E+00	5.19E-01	4.84E-05	5.19E-01	8.15E+00	1.18E-04	1.71E-04
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical -	2022	15	0.5	2.96E-04	1.12E-03	1.54E-02	4.84E-05	3.12E+00	3.15E-05	3.12E+00	3.12E-01	2.90E-05	3.12E-01	4.89E+00	7.11E-05	1.03E-04
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscapir	2022	17.5	0.5	3.46E-04	1.31E-03	1.80E-02	5.64E-05	3.64E+00	3.68E-05	3.64E+00	3.63E-01	3.38E-05	3.63E-01	5.70E+00	8.29E-05	1.20E-04
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	0.5	4.94E-04	1.87E-03	2.57E-02	8.06E-05	5.20E+00	5.25E-05	5.20E+00	5.19E-01	4.84E-05	5.19E-01	8.15E+00	1.18E-04	1.71E-04
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities	2022	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Appr	2022	12.5	0.5	2.47E-04	9.36E-04	1.28E-02	4.03E-05	2.60E+00	2.63E-05	2.60E+00	2.60E-01	2.42E-05	2.60E-01	4.07E+00	5.92E-05	8.57E-05
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	0.5	3.46E-04	1.31E-03	1.80E-02	5.64E-05	3.64E+00	3.68E-05	3.64E+00	3.63E-01	3.38E-05	3.63E-01	5.70E+00	8.29E-05	1.20E-04
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	0.5	8.55E-04	3.28E-03	4.69E-02	1.56E-04	1.04E+01	9.88E-05	1.04E+01	1.04E+00	9.10E-05	1.04E+00	1.58E+01	2.08E-04	3.14E-04
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	0.5	1.71E-04	6.55E-04	9.39E-03	3.12E-05	2.08E+00	1.98E-05	2.08E+00	2.08E-01	1.82E-05	2.08E-01	3.15E+00	4.16E-05	6.27E-05
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	0.5	1.71E-04	6.55E-04	9.39E-03	3.12E-05	2.08E+00	1.98E-05	2.08E+00	2.08E-01	1.82E-05	2.08E-01	3.15E+00	4.16E-05	6.27E-05
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	0.5	8.55E-04	3.28E-03	4.69E-02	1.56E-04	1.04E+01	9.88E-05	1.04E+01	1.04E+00	9.10E-05	1.04E+00	1.58E+01	2.08E-04	3.14E-04
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 202	2023	25	0.5	4.27E-04	1.64E-03	2.35E-02	7.80E-05	5.20E+00	4.94E-05	5.20E+00	5.19E-01	4.55E-05	5.19E-01	7.89E+00	1.04E-04	1.57E-04
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	0.5	2.56E-04	9.83E-04	1.41E-02	4.68E-05	3.12E+00	2.96E-05	3.12E+00	3.12E-01	2.73E-05	3.12E-01	4.73E+00	6.24E-05	9.41E-05
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 202	2023	25	0.5	4.27E-04	1.64E-03	2.35E-02	7.80E-05	5.20E+00	4.94E-05	5.20E+00	5.19E-01	4.55E-05	5.19E-01	7.89E+00	1.04E-04	1.57E-04
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	0.5	6.84E-04	2.62E-03	3.76E-02	1.25E-04	8.33E+00	7.90E-05	8.33E+00	8.31E-01	7.28E-05	8.31E-01	1.26E+01	1.66E-04	2.51E-04
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches	2023	15	0.5	2.56E-04	9.83E-04	1.41E-02	4.68E-05	3.12E+00	2.96E-05	3.12E+00	3.12E-01	2.73E-05	3.12E-01	4.73E+00	6.24E-05	9.41E-05
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	0.5	1.71E-04	6.55E-04	9.39E-03	3.12E-05	2.08E+00	1.98E-05	2.08E+00	2.08E-01	1.82E-05	2.08E-01	3.15E+00	4.16E-05	6.27E-05
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavatic	2024	50	0.5	7.53E-04	2.90E-03	4.35E-02	1.51E-04	1.04E+01	9.45E-05	1.04E+01	1.04E+00	8.70E-05	1.04E+00	1.53E+01	1.86E-04	2.90E-04
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading	2024	25	0.5	3.77E-04	1.45E-03	2.17E-02	7.57E-05	5.20E+00	4.73E-05	5.20E+00	5.19E-01	4.35E-05	5.19E-01	7.66E+00	9.28E-05	1.45E-04
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	0.5	3.77E-04	1.45E-03	2.17E-02	7.57E-05	5.20E+00	4.73E-05	5.20E+00	5.19E-01	4.35E-05	5.19E-01	7.66E+00	9.28E-05	1.45E-04
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concr	2024	37.5	0.5	5.65E-04	2.17E-03	3.26E-02	1.14E-04	7.81E+00	7.09E-05	7.81E+00	7.79E-01	6.53E-05	7.79E-01	1.15E+01	1.39E-04	2.17E-04
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet U	2024	25	0.5	3.77E-04	1.45E-03	2.17E-02	7.57E-05	5.20E+00	4.73E-05	5.20E+00	5.19E-01	4.35E-05	5.19E-01	7.66E+00	9.28E-05	1.45E-04
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electr	2024	15	0.5	2.26E-04	8.69E-04	1.30E-02	4.54E-05	3.12E+00	2.84E-05	3.12E+00	3.12E-01	2.61E-05	3.12E-01	4.59E+00	5.57E-05	8.69E-05
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Lands	2024	17.5	0.5	2.64E-04	1.01E-03	1.52E-02	5.30E-05	3.64E+00	3.31E-05	3.64E+00	3.63E-01	3.05E-05	3.63E-01	5.36E+00	6.49E-05	1.01E-04
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2	2024	12.5	0.5	1.88E-04	7.24E-04	1.09E-02	3.79E-05	2.60E+00	2.36E-05	2.60E+00	2.60E-01	2.18E-05	2.60E-01	3.83E+00	4.64E-05	7.24E-05
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2	2024	25	0.5	3.77E-04	1.45E-03	2.17E-02	7.57E-05	5.20E+00	4.73E-05	5.20E+00	5.19E-01	4.35E-05	5.19E-01	7.66E+00	9.28E-05	1.45E-04
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Uti	2024	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive	2024	10	0.5	1.51E-04	5.80E-04	8.70E-03	3.03E-05	2.08E+00	1.89E-05	2.08E+00	2.08E-01	1.74E-05	2.08E-01	3.06E+00	3.71E-05	5.79E-05
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	0.5	2.64E-04	1.01E-03	1.52E-02	5.30E-05	3.64E+00	3.31E-05	3.64E+00	3.63E-01	3.05E-05	3.63E-01	5.36E+00	6.49E-05	1.01E-04

OFFSITE Mobile Emissions		ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2.44E-01	3.55E+00	3.90E+00	1.96E-02	1.30E+00	6.23E-02	1.36E+00	3.50E-01	5.94E-02	4.10E-01	2.06E+03	7.02E-02	2.02E-01
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	5.40E-02	4.88E-01	1.07E+00	4.00E-03	3.33E-01	9.74E-03	3.43E-01	8.94E-02	9.25E-03	9.86E-02	4.13E+02	1.11E-02	2.88E-02
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	4.72E-01	1.07E+01	4.59E+00	4.18E-02	1.86E+00	1.81E-01	2.04E+00	5.10E-01	1.73E-01	6.83E-01	4.48E+03	1.83E-01	5.92E-01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	7.12E-02	1.21E+00	9.02E-01	5.74E-03	3.29E-01	2.39E-02	3.52E-01	9.02E-02	2.28E-02	1.13E-01	6.06E+02	1.86E-02	6.66E-02
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2.94E-01	7.35E+00	2.85E+00	2.75E-02	1.15E+00	1.08E-01	1.26E+00	3.11E-01	1.03E-01	4.14E-01	2.96E+03	1.42E-01	4.10E-01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2.41E-01	5.01E+00	2.58E+00	2.07E-02	1.00E+00	8.82E-02	1.09E+00	2.76E-01	8.43E-02	3.60E-01	2.21E+03	8.35E-02	2.77E-01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2.27E-01	5.79E+00	1.98E+00	2.11E-02	8.41E-01	8.95E-02	9.30E-01	2.30E-01	8.56E-02	3.15E-01	2.28E+03	1.05E-01	3.21E-01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	7.88E-02	1.40E+00	9.43E-01	6.41E-03	3.52E-01	2.77E-02	3.79E-01	9.68E-02	2.64E-02	1.23E-01	6.77E+02	2.10E-02	7.69E-02
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	1.24E-01	1.77E+00	1.96E+00	9.86E-03	6.57E-01	3.26E-02	6.90E-01	1.78E-01	3.11E-02	2.09E-01	1.03E+03	3.33E-02	9.99E-02
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	7.38E-02	1.39E+00	9.13E-01	6.21E-03	3.34E-01	2.44E-02	3.59E-01	9.12E-02	2.33E-02	1.15E-01	6.60E+02	2.42E-02	7.73E-02
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2.09E-01	3.15E+00	3.51E+00	1.91E-02	1.30E+00	5.24E-02	1.35E+00	3.51E-01	5.00E-02	4.01E-01	2.01E+03	6.76E-02	1.96E-01
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	4.75E-02	4.49E-01	9.66E-01	3.97E-03	3.35E-01	8.54E-03	3.44E-01	9.00E-02	8.11E-03	9.81E-02	4.10E+02	1.08E-02	2.90E-02
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	3.93E-01	9.54E+00	4.12E+00	4.09E-02	1.86E+00	1.51E-01	2.01E+00	5.11E-01	1.44E-01	6.55E-01	4.39E+03	1.80E-01	5.80E-01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2.46E-01	6.61E+00	2.58E+00	2.69E-02	1.15E+00	9.08E-02	1.24E+00	3.11E-01	8.68E-02	3.98E-01	2.91E+03	1.41E-01	4.03E-01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2.46E-01	6.61E+00	2.58E+00	2.69E-02	1.15E+00	9.08E-02	1.24E+00	3.11E-01	8.68E-02	3.98E-01	2.91E+03	1.41E-01	4.03E-01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	1.89E-01	5.19E+00	1.79E+00	2.07E-02	8.43E-01	7.50E-02	9.17E-01	2.30E-01	7.17E-02	3.02E-01	2.24E+03	1.04E-01	3.15E-01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	6.62E-02	1.23E+00	8.42E-01	6.26E-03	3.52E-01	2.30E-02	3.75E-01	9.68E-02	2.20E-02	1.19E-01	6.62E+02	2.02E-02	7.51E-02
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	5.99E-02	1.06E+00	8.06E-01	5.61E-03	3.29E-01	1.99E-02	3.48E-01	9.02E-02	1.90E-02	1.09E-01	5.92E+02	1.78E-02	6.49E-02
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	6.22E-02	1.23E+00	8.20E-01	6.07E-03	3.35E-01	2.04E-02	3.55E-01	9.12E-02	1.95E-02	1.11E-01	6.46E+02	2.36E-02	7.56E-02
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	1.06E-01	1.56E+00	1.77E+00	9.62E-03	6.58E-01	2.74E-02	6.85E-01	1.78E-01	2.61E-02	2.04E-01	1.01E+03	3.19E-02	9.73E-02
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	1.89E-01	3.90E+00	3.34E+00	2.39E-02	1.47E+00	4.43E-02	1.52E+00	3.99E-01	4.22E-02	4.41E-01	2.54E+03	9.20E-02	2.79E-01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	4.22E-02	6.78E-01	7.96E-01	4.96E-03	3.44E-01	9.25E-03	3.53E-01	9.34E-02	8.80E-03	1.02E-01	5.20E+02	1.45E-02	5.02E-02
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	1.55E-01	4.49E+00	2.11E+00	2.28E-02	1.10E+00	4.90E-02	1.15E+00	3.01E-01	4.68E-02	3.48E-01	2.45E+03	9.85E-02	3.19E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	1.95E-01	5.42E+00	2.90E+00	2.77E-02	1.40E+00	5.49E-02	1.45E+00	3.80E-01	5.24E-02	4.32E-01	2.98E+03	1.29E-01	3.81E-01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	1.38E-01	3.68E+00	1.99E+00	1.97E-02	1.01E+00	4.21E-02	1.05E+00	2.76E-01	4.02E-02	3.16E-01	2.10E+03	7.87E-02	2.63E-01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	9.06E-02	2.68E+00	1.25E+00	1.33E-02	6.38E-01	2.78E-02	6.66E-01	1.74E-01	2.65E-02	2.01E-01	1.44E+03	6.11E-02	1.88E-01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	1.08E-01	3.33E+00	1.48E+00	1.61E-02	7.52E-01	3.29E-02	7.85E-01	2.04E-01	3.14E-02	2.36E-01	1.74E+03	7.85E-02	2.33E-01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	1.54E-01	4.41E+00	2.10E+00	2.26E-02	1.10E+00	4.88E-02	1.14E+00	3.01E-01	4.66E-02	3.47E-01	2.42E+03	9.56E-02	3.13E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	8.58E-02	2.71E+00	1.12E+00	1.30E-02	5.89E-01	2.74E-02	6.17E-01	1.61E-01	2.62E-02	1.87E-01	1.40E+03	6.24E-02	1.90E-01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	6.13E-02	1.07E+00	1.13E+00	7.38E-03	4.93E-01	1.38E-02	5.07E-01	1.34E-01	1.32E-02	1.47E-01	7.77E+02	2.35E-02	7.84E-02
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	1.29E-01	3.86E+00	3.12E+00	2.79E-02	1.65E+00	3.43E-02	1.68E+00	4.48E-01	3.27E-02	4.80E-01	2.98E+03	1.15E-01	3.49E-01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2.61E-02	7.21E-01	6.24E-01	5.80E-03	3.52E-01	6.21E-03	3.58E-01	9.68E-02	5.90E-03	1.03E-01	6.15E+02	1.80E-02	6.90E-02
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2.59E-02	7.58E-01	6.24E-01	5.62E-03	3.35E-01	6.69E-03	3.41E-01	9.13E-02	6.36E-03	9.76E-02	5.99E+02	2.17E-02	6.95E-02
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	1.29E-01	3.86E+00	3.12E+00	2.79E-02	1.65E+00	3.43E-02	1.68E+00	4.48E-01	3.27E-02	4.80E-01	2.98E+03	1.15E-01	3.49E-01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	7.35E-02	2.72E+00	1.71E+00	1.87E-02	1.01E+00	2.32E-02	1.03E+00	2.76E-01	2.21E-02	2.98E-01	2.01E+03	7.54E-02	2.49E-01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	3.46E-02	6.96E-01	8.62E-01	6.25E-03	4.32E-01	6.42E-03	4.39E-01	1.18E-01	6.09E-03	1.24E-01	6.59E+02	1.88E-02	6.61E-02
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	8.57E-02	4.27E+00	1.94E+00	2.48E-02	1.15E+00	3.66E-02	1.19E+00	3.12E-01	3.49E-02	3.47E-01	2.69E+03	1.34E-01	3.72E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	1.33E-01	5.91E+00	3.00E+00	3.78E-02	1.86E+00	4.98E-02	1.91E+00	5.12E-01	4.75E-02	5.59E-01	4.07E+03	1.68E-01	5.35E-01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	5.93E-02	3.29E+00	1.30E+00	1.91E-02	8.44E-01	2.77E-02	8.72E-01	2.31E-01	2.64E-02	2.57E-01	2.07E+03	9.93E-02	2.91E-01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2.50E-02	6.23E-01	6.06E-01	5.20E-03	3.29E-01	5.47E-03	3.34E-01	9.02E-02	5.19E-03	9.54E-02	5.50E+02	1.58E-02	5.96E-02
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	1.08E-01	2.69E+00	2.74E+00	2.12E-02	1.43E+00	2.48E-02	1.46E+00	3.88E-01	2.35E-02	4.12E-01	2.25E+03	8.03E-02	2.40E-01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	7.42E-02	3.33E+00	1.72E+00	2.13E-02	1.10E+00	2.81E-02	1.12E+00	3.01E-01	2.68E-02	3.28E-01	2.29E+03	9.40E-02	2.96E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	7.42E-02	3.33E+00	1.72E+00	2.13E-02	1.10E+00	2.81E-02	1.12E+00	3.01E-01	2.68E-02	3.28E-01	2.29E+03	9.40E-02	2.96E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	1.00E-01	4.05E+00	2.41E+00	2.58E-02	1.40E+00	3.52E-02	1.43E+00	3.79E-01	3.35E-02	4.12E-01	2.77E+03	1.23E-01	3.53E-01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	6.85E-02	2.72E+00	1.62E+00	1.84E-02	1.00E+00	2.30E-02	1.03E+00	2.76E-01	2.20E-02	2.97E-01	1.97E+03	7.47E-02	2.45E-01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	4.40E-02	1.99E+00	1.03E+00	1.24E-02	6.37E-01	1.69E-02	6.53E-01	1.74E-01	1.62E-02	1.90E-01	1.34E+03	5.85E-02	1.75E-01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	5.25E-02	2.49E+00	1.23E+00	1.50E-02	7.49E-01	2.12E-02	7.71E-01	2.04E-01	2.03E-02	2.24E-01	1.62E+03	7.55E-02	2.16E-01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2.98E-02	9.82E-01	7.38E-01	6.70E-03	4.01E-01	8.77E-03	4.10E-01	1.08E-01	8.35E-03	1.17E-01	7.18E+02	3.04E-02	8.57E-02
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	7.37E-02	3.27E+00	1.71E+00	2.11E-02	1.09E+00	2.75E-02	1.12E+00	3.00E-01	2.62E-02	3.26E-01	2.26E+03	9.11E-02	2.92E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2.41E-02	7.39E-01	5.87E-01	5.60E-03	3.43E-01	6.41E-03	3.49E-01	9.40E-02	6.10E-03	1.00E-01	5.95E+02	1.95E-02	6.80E-02
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	3.68E-02	7.87E-01	9.35E-01	6.91E-03	4.93E-01	7.30E-03	5.00E-01	1.34E-01	6.92E-03	1.41E-01	7.29E+02	2.17E-02	7.29E-02

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Haul Running Emission Factors ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission Factor (g/trip)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05

							Daily Emissions												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	25	1.39E-05	1.29E-02	6.10E-05	5.78E-09	0.00E+00	1.40E-08	1.40E-08	0.00E+00	1.29E-08	1.29E-08	5.84E-04	3.05E-09	2.65E-07
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	25	2.12E-07	1.96E-04	9.30E-07	8.82E-11	0.00E+00	2.13E-10	2.13E-10	0.00E+00	1.97E-10	1.97E-10	8.91E-06	4.66E-11	4.05E-09
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	25	5.09E-05	4.73E-02	2.24E-04	2.12E-08	0.00E+00	5.12E-08	5.12E-08	0.00E+00	4.74E-08	4.74E-08	2.14E-03	1.12E-08	9.74E-07
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	25	6.11E-05	5.68E-02	2.69E-04	2.55E-08	0.00E+00	6.15E-08	6.15E-08	0.00E+00	5.69E-08	5.69E-08	2.57E-03	1.34E-08	1.17E-06
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	25	1.78E-05	1.66E-02	7.84E-05	7.43E-09	0.00E+00	1.79E-08	1.79E-08	0.00E+00	1.66E-08	1.66E-08	7.51E-04	3.92E-09	3.41E-07
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	25	4.07E-05	3.78E-02	1.79E-04	1.70E-08	0.00E+00	4.10E-08	4.10E-08	0.00E+00	3.79E-08	3.79E-08	1.72E-03	8.97E-09	7.79E-07
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	25	4.30E-06	3.99E-03	1.89E-05	1.79E-09	0.00E+00	4.32E-09	4.32E-09	0.00E+00	4.00E-09	4.00E-09	1.81E-04	9.45E-10	8.22E-08
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	25	5.08E-06	4.71E-03	2.23E-05	2.12E-09	0.00E+00	5.11E-09	5.11E-09	0.00E+00	4.72E-09	4.72E-09	2.14E-04	1.12E-09	9.71E-08
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	25	1.10E-05	1.38E-02	5.75E-05	5.07E-09	0.00E+00	9.96E-09	9.96E-09	0.00E+00	9.16E-09	9.16E-09	5.12E-04	3.05E-09	2.15E-07
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	25	3.34E-07	4.22E-04	1.75E-06	1.55E-10	0.00E+00	3.04E-10	3.04E-10	0.00E+00	2.79E-10	2.79E-10	1.56E-05	9.31E-11	6.54E-09
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	25	4.02E-05	5.08E-02	2.11E-04	1.86E-08	0.00E+00	3.66E-08	3.66E-08	0.00E+00	3.36E-08	3.36E-08	1.88E-03	1.12E-08	7.88E-07
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	25	4.83E-05	6.10E-02	2.53E-04	2.23E-08	0.00E+00	4.39E-08	4.39E-08	0.00E+00	4.04E-08	4.04E-08	2.26E-03	1.35E-08	9.45E-07
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	25	4.83E-05	6.10E-02	2.53E-04	2.23E-08	0.00E+00	4.39E-08	4.39E-08	0.00E+00	4.04E-08	4.04E-08	2.26E-03	1.35E-08	9.45E-07
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	25	3.22E-05	4.06E-02	1.69E-04	1.49E-08	0.00E+00	2.93E-08	2.93E-08	0.00E+00	2.69E-08	2.69E-08	1.50E-03	8.97E-09	6.30E-07
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	25	4.01E-06	5.06E-03	2.11E-05	1.86E-09	0.00E+00	3.65E-09	3.65E-09	0.00E+00	3.35E-09	3.35E-09	1.87E-04	1.12E-09	7.85E-08
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	25	3.39E-06	4.29E-03	1.78E-05	1.57E-09	0.00E+00	3.08E-09	3.08E-09	0.00E+00	2.84E-09	2.84E-09	1.59E-04	9.46E-10	6.64E-08
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	25	1.57E-05	2.64E-02	8.96E-05	8.02E-09	0.00E+00	1.45E-08	1.45E-08	0.00E+00	1.33E-08	1.33E-08	8.10E-04	5.28E-09	2.66E-07
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	25	1.38E-07	2.33E-04	7.91E-07	7.08E-11	0.00E+00	1.28E-10	1.28E-10	0.00E+00	1.18E-10	1.18E-10	7.15E-06	4.67E-11	2.34E-09
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	25	1.83E-05	3.08E-02	1.05E-04	9.37E-09	0.00E+00	1.69E-08	1.69E-08	0.00E+00	1.56E-08	1.56E-08	9.47E-04	6.18E-09	3.10E-07
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	25	3.11E-05	5.24E-02	1.78E-04	1.59E-08	0.00E+00	2.88E-08	2.88E-08	0.00E+00	2.65E-08	2.65E-08	1.61E-03	1.05E-08	5.27E-07
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	25	1.17E-05	1.96E-02	6.67E-05	5.96E-09	0.00E+00	1.08E-08	1.08E-08	0.00E+00	9.91E-09	9.91E-09	6.03E-04	3.93E-09	1.98E-07
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	25	1.36E-05	2.29E-02	7.78E-05	6.96E-09	0.00E+00	1.26E-08	1.26E-08	0.00E+00	1.16E-08	1.16E-08	7.03E-04	4.59E-09	2.31E-07
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	25	2.00E-05	3.36E-02	1.14E-04	1.02E-08	0.00E+00	1.85E-08	1.85E-08	0.00E+00	1.70E-08	1.70E-08	1.03E-03	6.74E-09	3.39E-07
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	25	1.67E-05	2.80E-02	9.52E-05	8.52E-09	0.00E+00	1.54E-08	1.54E-08	0.00E+00	1.42E-08	1.42E-08	8.61E-04	5.62E-09	2.82E-07
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	25	1.50E-05	2.52E-02	8.57E-05	7.66E-09	0.00E+00	1.39E-08	1.39E-08	0.00E+00	1.27E-08	1.27E-08	7.75E-04	5.05E-09	2.54E-07
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	25	1.40E-06	2.36E-03	8.03E-06	7.19E-10	0.00E+00	1.30E-09	1.30E-09	0.00E+00	1.19E-09	1.19E-09	7.26E-05	4.74E-10	2.38E-08
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	25	1.81E-05	4.23E-02	1.27E-04	1.08E-08	0.00E+00	1.76E-08	1.76E-08	0.00E+00	1.62E-08	1.62E-08	1.09E-03	7.50E-09	3.19E-07
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	25	2.70E-06	6.31E-03	1.89E-05	1.61E-09	0.00E+00	2.62E-09	2.62E-09	0.00E+00	2.41E-09	2.41E-09	1.62E-04	1.12E-09	4.76E-08
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	25	1.81E-05	4.23E-02	1.27E-04	1.08E-08	0.00E+00	1.76E-08	1.76E-08	0.00E+00	1.62E-08	1.62E-08	1.09E-03	7.50E-09	3.19E-07
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	25	9.49E-06	2.22E-02	6.65E-05	5.64E-09	0.00E+00	9.20E-09	9.20E-09	0.00E+00	8.46E-09	8.46E-09	5.70E-04	3.93E-09	1.67E-07
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	25	4.51E-07	1.05E-03	3.15E-06	2.68E-10	0.00E+00	4.37E-10	4.37E-10	0.00E+00	4.02E-10	4.02E-10	2.70E-05	1.86E-10	7.94E-09
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	25	3.26E-05	7.60E-02	2.28E-04	1.93E-08	0.00E+00	3.16E-08	3.16E-08	0.00E+00	2.90E-08	2.90E-08	1.95E-03	1.35E-08	5.73E-07
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	25	2.71E-05	6.33E-02	1.90E-04	1.61E-08	0.00E+00	2.63E-08	2.63E-08	0.00E+00	2.42E-08	2.42E-08	1.63E-03	1.12E-08	4.78E-07
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	25	2.17E-05	5.07E-02	1.52E-04	1.29E-08	0.00E+00	2.10E-08	2.10E-08	0.00E+00	1.93E-08	1.93E-08	1.30E-03	8.97E-09	3.82E-07
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	25	9.59E-06	2.64E-02	7.31E-05	6.30E-09	0.00E+00	9.70E-09	9.70E-09	0.00E+00	8.92E-09	8.92E-09	6.36E-04	4.22E-09	1.59E-07
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	25	1.25E-05	3.45E-02	9.55E-05	8.23E-09	0.00E+00	1.27E-08	1.27E-08	0.00E+00	1.17E-08	1.17E-08	8.31E-04	5.51E-09	2.08E-07
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	25	1.25E-05	3.45E-02	9.55E-05	8.23E-09	0.00E+00	1.27E-08	1.27E-08	0.00E+00	1.17E-08	1.17E-08	8.31E-04	5.51E-09	2.08E-07
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	25	2.13E-05	5.87E-02	1.62E-04	1.40E-08	0.00E+00	2.15E-08	2.15E-08	0.00E+00	1.98E-08	1.98E-08	1.41E-03	9.37E-09	3.54E-07
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	25	7.98E-06	2.20E-02	6.08E-05	5.24E-09	0.00E+00	8.07E-09	8.07E-09	0.00E+00	7.42E-09	7.42E-09	5.29E-04	3.51E-09	1.32E-07
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	25	9.31E-06	2.57E-02	7.09E-05	6.11E-09	0.00E+00	9.41E-09	9.41E-09	0.00E+00	8.65E-09	8.65E-09	6.17E-04	4.10E-09	1.55E-07
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	25	1.37E-05	3.77E-02	1.04E-04	8.98E-09	0.00E+00	1.38E-08	1.38E-08	0.00E+00	1.27E-08	1.27E-08	9.07E-04	6.02E-09	2.27E-07
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	25	5.13E-06	1.41E-02	3.91E-05	3.37E-09	0.00E+00	5.19E-09	5.19E-09	0.00E+00	4.77E-09	4.77E-09	3.40E-04	2.26E-09	8.52E-08
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	25	1.14E-05	3.14E-02	8.68E-05	7.48E-09	0.00E+00	1.15E-08	1.15E-08	0.00E+00	1.06E-08	1.06E-08	7.56E-04	5.02E-09	1.89E-07
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	25	1.14E-06	3.13E-03	8.65E-06	7.46E-10	0.00E+00	1.15E-09	1.15E-09	0.00E+00	1.06E-09	1.06E-09	7.53E-05	5.00E-10	1.89E-08
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	25	9.61E-07	2.65E-03	7.32E-06	6.31E-10	0.00E+00	9.72E-10	9.72E-10	0.00E+00	8.94E-10	8.94E-10	6.38E-05	4.23E-10	1.60E-08

							Haul Running Emission Factors												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission Factor (g/mile)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	25	1.36E-01	4.29E+00	7.14E-01	1.38E-02	3.96E-01	6.17E-02	4.58E-01	1.09E-01	5.90E-02	1.68E-01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	25	1.36E-01	4.29E+00	7.14E-01	1.38E-02	3.96E-01	6.17E-02	4.58E-01	1.09E-01	5.90E-02	1.68E-01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	25	1.36E-01	4.29E+00	7.14E-01	1.38E-02	3.96E-01	6.17E-02	4.58E-01	1.09E-01	5.90E-02	1.68E-01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	25	1.36E-01	4.29E+00	7.14E-01	1.38E-02	3.96E-01	6.17E-02	4.58E-01	1.09E-01	5.90E-02	1.68E-01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	25	1.36E-01	4.29E+00	7.14E-01	1.38E-02	3.96E-01	6.17E-02	4.58E-01	1.09E-01	5.90E-02	1.68E-01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	25	1.36E-01	4.29E+00	7.14E-01	1.38E-02	3.96E-01	6.17E-02	4.58E-01	1.09E-01	5.90E-02	1.68E-01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	25	1.36E-01	4.29E+00	7.14E-01	1.38E-02	3.96E-01	6.17E-02	4.58E-01	1.09E-01	5.90E-02	1.68E-01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	25	1.36E-01	4.29E+00	7.14E-01	1.38E-02	3.96E-01	6.17E-02	4.58E-01	1.09E-01	5.90E-02	1.68E-01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	25	1.36E-01	4.29E+00	7.14E-01	1.38E-02	3.96E-01	6.17E-02	4.58E-01	1.09E-01	5.90E-02	1.68E-01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	25	1.36E-01	4.29E+00	7.14E-01	1.38E-02	3.96E-01	6.17E-02	4.58E-01	1.09E-01	5.90E-02	1.68E-01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	25	1.36E-01	4.29E+00	7.14E-01	1.38E-02	3.96E-01	6.17E-02	4.58E-01	1.09E-01	5.90E-02	1.68E-01	1.51E+03	8.03E-02	2.39E-01
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	25	1.11E-01	3.84E+00	6.49E-01	1.35E-02	3.96E-01	5.15E-02	4.48E-01	1.09E-01	4.93E-02	1.58E-01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	25	1.11E-01	3.84E+00	6.49E-01	1.35E-02	3.96E-01	5.15E-02	4.48E-01	1.09E-01	4.93E-02	1.58E-01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	25	1.11E-01	3.84E+00	6.49E-01	1.35E-02	3.96E-01	5.15E-02	4.48E-01	1.09E-01	4.93E-02	1.58E-01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	25	1.11E-01	3.84E+00	6.49E-01	1.35E-02	3.96E-01	5.15E-02	4.48E-01	1.09E-01	4.93E-02	1.58E-01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	25	1.11E-01	3.84E+00	6.49E-01	1.35E-02	3.96E-01	5.15E-02	4.48E-01	1.09E-01	4.93E-02	1.58E-01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	25	1.11E-01	3.84E+00	6.49E-01	1.35E-02	3.96E-01	5.15E-02	4.48E-01	1.09E-01	4.93E-02	1.58E-01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	25	1.11E-01	3.84E+00	6.49E-01	1.35E-02	3.96E-01	5.15E-02	4.48E-01	1.09E-01	4.93E-02	1.58E-01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	25	1.11E-01	3.84E+00	6.49E-01	1.35E-02	3.96E-01	5.15E-02	4.48E-01	1.09E-01	4.93E-02	1.58E-01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	25	1.11E-01	3.84E+00	6.49E-01	1.35E-02	3.96E-01	5.15E-02	4.48E-01	1.09E-01	4.93E-02	1.58E-01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	25	1.11E-01	3.84E+00	6.49E-01	1.35E-02	3.96E-01	5.15E-02	4.48E-01	1.09E-01	4.93E-02	1.58E-01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	25	1.11E-01	3.84E+00	6.49E-01	1.35E-02	3.96E-01	5.15E-02	4.48E-01	1.09E-01	4.93E-02	1.58E-01	1.48E+03	8.02E-02	2.35E-01
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	25	7.07E-02	3.28E+00	5.24E-01	1.31E-02	3.96E-01	2.93E-02	4.25E-01	1.09E-01	2.80E-02	1.37E-01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	25	7.07E-02	3.28E+00	5.24E-01	1.31E-02	3.96E-01	2.93E-02	4.25E-01	1.09E-01	2.80E-02	1.37E-01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	25	7.07E-02	3.28E+00	5.24E-01	1.31E-02	3.96E-01	2.93E-02	4.25E-01	1.09E-01	2.80E-02	1.37E-01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	25	7.07E-02	3.28E+00	5.24E-01	1.31E-02	3.96E-01	2.93E-02	4.25E-01	1.09E-01	2.80E-02	1.37E-01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	25	7.07E-02	3.28E+00	5.24E-01	1.31E-02	3.96E-01	2.93E-02	4.25E-01	1.09E-01	2.80E-02	1.37E-01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	25	7.07E-02	3.28E+00	5.24E-01	1.31E-02	3.96E-01	2.93E-02	4.25E-01	1.09E-01	2.80E-02	1.37E-01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	25	7.07E-02	3.28E+00	5.24E-01	1.31E-02	3.96E-01	2.93E-02	4.25E-01	1.09E-01	2.80E-02	1.37E-01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	25	7.07E-02	3.28E+00	5.24E-01	1.31E-02	3.96E-01	2.93E-02	4.25E-01	1.09E-01	2.80E-02	1.37E-01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	25	7.07E-02	3.28E+00	5.24E-01	1.31E-02	3.96E-01	2.93E-02	4.25E-01	1.09E-01	2.80E-02	1.37E-01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	25	7.07E-02	3.28E+00	5.24E-01	1.31E-02	3.96E-01	2.93E-02	4.25E-01	1.09E-01	2.80E-02	1.37E-01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	25	7.07E-02	3.28E+00	5.24E-01	1.31E-02	3.96E-01	2.93E-02	4.25E-01	1.09E-01	2.80E-02	1.37E-01	1.44E+03	7.90E-02	2.28E-01
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	25	2.38E-02	2.45E+00	4.22E-01	1.24E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	25	2.38E-02	2.45E+00	4.22E-01	1.24E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	25	2.38E-02	2.45E+00	4.22E-01	1.24E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	25	2.38E-02	2.45E+00	4.22E-01	1.24E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	25	2.38E-02	2.45E+00	4.22E-01	1.24E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	25	2.38E-02	2.45E+00	4.22E-01	1.24E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	25	2.38E-02	2.45E+00	4.22E-01	1.24E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	25	2.38E-02	2.45E+00	4.22E-01	1.24E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	25	2.38E-02	2.45E+00	4.22E-01	1.24E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	25	2.38E-02	2.45E+00	4.22E-01	1.24E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	25	2.38E-02	2.45E+00	4.22E-01	1.24E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	25	2.38E-02	2.45E+00	4.22E-01	1.24E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.36E+03	7.74E-02	2.16E-01
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	25	2.35E-02	2.47E+00	4.35E-01	1.22E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	25	2.35E-02	2.47E+00	4.35E-01	1.22E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	25	2.35E-02	2.47E+00	4.35E-01	1.22E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	25	2.35E-02	2.47E+00	4.35E-01	1.22E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	25	2.35E-02	2.47E+00	4.35E-01	1.22E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	25	2.35E-02	2.47E+00	4.35E-01	1.22E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	25	2.35E-02	2.47E+00	4.35E-01	1.22E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	25	2.35E-02	2.47E+00	4.35E-01	1.22E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	25	2.35E-02	2.47E+00	4.35E-01	1.22E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	25	2.35E-02	2.47E+00	4.35E-01	1.22E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	25	2.35E-02	2.47E+00	4.35E-01	1.22E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	25	2.35E-02	2.47E+00	4.35E-01	1.22E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.34E+03	7.77E-02	2.13E-01

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	25	4.88E-02	1.54E+00	2.56E-01	4.95E-03	1.42E-01	2.21E-02	1.64E-01	3.89E-02	2.12E-02	6.01E-02	5.41E+02	2.88E-02	8.59E-02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	25	7.45E-04	2.35E-02	3.91E-03	7.55E-05	2.17E-03	3.37E-04	2.50E-03	5.94E-04	3.23E-04	9.17E-04	8.26E+00	4.39E-04	1.31E-03
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	25	1.79E-01	5.65E+00	9.40E-01	1.82E-02	5.22E-01	8.12E-02	6.03E-01	1.43E-01	7.77E-02	2.21E-01	1.99E+03	1.06E-01	3.15E-01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	25	2.15E-01	6.78E+00	1.13E+00	2.18E-02	6.26E-01	9.75E-02	7.24E-01	1.72E-01	9.33E-02	2.65E-01	2.39E+03	1.27E-01	3.78E-01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	25	6.27E-02	1.98E+00	3.29E-01	6.36E-03	1.83E-01	2.84E-02	2.11E-01	5.00E-02	2.72E-02	7.72E-02	6.96E+02	3.70E-02	1.10E-01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	25	1.43E-01	4.52E+00	7.52E-01	1.45E-02	4.17E-01	6.50E-02	4.82E-01	1.14E-01	6.22E-02	1.77E-01	1.59E+03	8.46E-02	2.52E-01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	25	1.51E-02	4.76E-01	7.93E-02	1.53E-03	4.40E-02	6.85E-03	5.09E-02	1.21E-02	6.56E-03	1.86E-02	1.68E+02	8.92E-03	2.66E-02
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	25	1.79E-02	5.63E-01	9.37E-02	1.81E-03	5.20E-02	8.10E-03	6.01E-02	1.43E-02	7.75E-03	2.20E-02	1.98E+02	1.05E-02	3.14E-02
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	25	4.01E-02	1.38E+00	2.34E-01	4.86E-03	1.43E-01	1.85E-02	1.61E-01	3.91E-02	1.77E-02	5.68E-02	5.33E+02	2.89E-02	8.46E-02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	25	1.22E-03	4.22E-02	7.12E-03	1.48E-04	4.35E-03	5.66E-04	4.92E-03	1.19E-03	5.41E-04	1.73E-03	1.62E+01	8.81E-04	2.58E-03
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	25	1.47E-01	5.08E+00	8.58E-01	1.79E-02	5.24E-01	6.81E-02	5.92E-01	1.44E-01	6.52E-02	2.09E-01	1.96E+03	1.06E-01	3.10E-01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	25	1.77E-01	6.09E+00	1.03E+00	2.14E-02	6.29E-01	8.17E-02	7.10E-01	1.72E-01	7.82E-02	2.50E-01	2.35E+03	1.27E-01	3.73E-01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	25	1.77E-01	6.09E+00	1.03E+00	2.14E-02	6.29E-01	8.17E-02	7.10E-01	1.72E-01	7.82E-02	2.50E-01	2.35E+03	1.27E-01	3.73E-01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	25	1.18E-01	4.06E+00	6.86E-01	1.43E-02	4.19E-01	5.45E-02	4.73E-01	1.15E-01	5.21E-02	1.67E-01	1.56E+03	8.49E-02	2.48E-01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	25	1.47E-02	5.06E-01	8.55E-02	1.78E-03	5.22E-02	6.79E-03	5.90E-02	1.43E-02	6.49E-03	2.08E-02	1.95E+02	1.06E-02	3.09E-02
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	25	1.24E-02	4.28E-01	7.23E-02	1.51E-03	4.42E-02	5.74E-03	4.99E-02	1.21E-02	5.50E-03	1.76E-02	1.65E+02	8.95E-03	2.62E-02
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	25	4.41E-02	2.05E+00	3.27E-01	8.18E-03	2.47E-01	1.83E-02	2.66E-01	6.78E-02	1.75E-02	8.53E-02	8.98E+02	4.93E-02	1.43E-01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	25	3.90E-04	1.81E-02	2.89E-03	7.22E-05	2.18E-03	1.61E-04	2.35E-03	5.98E-04	1.54E-04	7.53E-04	7.93E+00	4.36E-04	1.26E-03
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	25	5.16E-02	2.40E+00	3.82E-01	9.56E-03	2.89E-01	2.14E-02	3.10E-01	7.92E-02	2.04E-02	9.96E-02	1.05E+03	5.77E-02	1.67E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	25	8.76E-02	4.07E+00	6.49E-01	1.62E-02	4.91E-01	3.63E-02	5.28E-01	1.35E-01	3.47E-02	1.69E-01	1.78E+03	9.80E-02	2.83E-01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	25	3.28E-02	1.52E+00	2.43E-01	6.08E-03	1.84E-01	1.36E-02	1.98E-01	5.04E-02	1.30E-02	6.34E-02	6.68E+02	3.67E-02	1.06E-01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	25	3.83E-02	1.78E+00	2.84E-01	7.10E-03	2.15E-01	1.59E-02	2.31E-01	5.88E-02	1.52E-02	7.40E-02	7.79E+02	4.28E-02	1.24E-01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	25	5.63E-02	2.61E+00	4.17E-01	1.04E-02	3.15E-01	2.33E-02	3.39E-01	8.64E-02	2.23E-02	1.09E-01	1.14E+03	6.29E-02	1.82E-01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	25	4.69E-02	2.18E+00	3.47E-01	8.69E-03	2.63E-01	1.94E-02	2.82E-01	7.20E-02	1.86E-02	9.06E-02	9.54E+02	5.24E-02	1.52E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	25	4.22E-02	1.96E+00	3.13E-01	7.82E-03	2.37E-01	1.75E-02	2.54E-01	6.48E-02	1.67E-02	8.15E-02	8.58E+02	4.72E-02	1.36E-01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	25	3.96E-03	1.84E-01	2.93E-02	7.33E-04	2.22E-02	1.64E-03	2.38E-02	6.08E-03	1.57E-03	7.64E-03	8.05E+01	4.42E-03	1.28E-02
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	25	2.11E-02	2.18E+00	3.74E-01	1.10E-02	3.52E-01	1.82E-02	3.70E-01	9.63E-02	1.74E-02	1.14E-01	1.21E+03	6.87E-02	1.92E-01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	25	3.15E-03	3.24E-01	5.58E-02	1.64E-03	5.24E-02	2.71E-03	5.51E-02	1.44E-02	2.59E-03	1.70E-02	1.80E+02	1.02E-02	2.86E-02
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	25	2.11E-02	2.18E+00	3.74E-01	1.10E-02	3.52E-01	1.82E-02	3.70E-01	9.63E-02	1.74E-02	1.14E-01	1.21E+03	6.87E-02	1.92E-01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	25	1.10E-02	1.14E+00	1.96E-01	5.74E-03	1.84E-01	9.50E-03	1.94E-01	5.04E-02	9.09E-03	5.95E-02	6.32E+02	3.59E-02	1.00E-01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	25	5.24E-04	5.41E-02	9.30E-03	2.73E-04	8.74E-03	4.51E-04	9.19E-03	2.39E-03	4.32E-04	2.83E-03	3.00E+01	1.71E-03	4.77E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	25	3.79E-02	3.91E+00	6.72E-01	1.97E-02	6.31E-01	3.26E-02	6.64E-01	1.73E-01	3.12E-02	2.04E-01	2.17E+03	1.23E-01	3.44E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	25	3.16E-02	3.25E+00	5.60E-01	1.64E-02	5.26E-01	2.72E-02	5.53E-01	1.44E-01	2.60E-02	1.70E-01	1.81E+03	1.03E-01	2.87E-01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	25	2.52E-02	2.60E+00	4.48E-01	1.31E-02	4.21E-01	2.17E-02	4.42E-01	1.15E-01	2.08E-02	1.36E-01	1.44E+03	8.22E-02	2.30E-01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	25	1.30E-02	1.37E+00	2.41E-01	6.75E-03	2.20E-01	1.14E-02	2.31E-01	6.02E-02	1.09E-02	7.10E-02	7.44E+02	4.31E-02	1.18E-01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	25	1.70E-02	1.79E+00	3.15E-01	8.82E-03	2.87E-01	1.48E-02	3.02E-01	7.86E-02	1.42E-02	9.28E-02	9.72E+02	5.63E-02	1.54E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	25	1.70E-02	1.79E+00	3.15E-01	8.82E-03	2.87E-01	1.48E-02	3.02E-01	7.86E-02	1.42E-02	9.28E-02	9.72E+02	5.63E-02	1.54E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	25	2.90E-02	3.04E+00	5.35E-01	1.50E-02	4.87E-01	2.52E-02	5.13E-01	1.34E-01	2.41E-02	1.58E-01	1.65E+03	9.56E-02	2.63E-01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	25	1.08E-02	1.14E+00	2.00E-01	5.61E-03	1.83E-01	9.44E-03	1.92E-01	5.00E-02	9.04E-03	5.91E-02	6.19E+02	3.58E-02	9.83E-02
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	25	1.27E-02	1.33E+00	2.34E-01	6.55E-03	2.13E-01	1.10E-02	2.24E-01	5.84E-02	1.05E-02	6.89E-02	7.22E+02	4.18E-02	1.15E-01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	25	1.86E-02	1.95E+00	3.43E-01	9.62E-03	3.13E-01	1.62E-02	3.29E-01	8.58E-02	1.55E-02	1.01E-01	1.06E+03	6.14E-02	1.69E-01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	25	6.97E-03	7.31E-01	1.29E-01	3.61E-03	1.17E-01	6.07E-03	1.23E-01	3.22E-02	5.81E-03	3.80E-02	3.98E+02	2.30E-02	6.32E-02
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	25	1.55E-02	1.63E+00	2.86E-01	8.02E-03	2.61E-01	1.35E-02	2.74E-01	7.15E-02	1.29E-02	8.44E-02	8.84E+02	5.12E-02	1.40E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	25	1.54E-03	1.62E-01	2.85E-02	7.99E-04	2.60E-02	1.34E-03	2.73E-02	7.13E-03	1.29E-03	8.41E-03	8.81E+01	5.10E-03	1.40E-02
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	25	1.31E-03	1.37E-01	2.41E-02	6.76E-04	2.20E-02	1.14E-03	2.31E-02	6.03E-03	1.09E-03	7.12E-03	7.45E+01	4.32E-03	1.18E-02

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Vendor Starting Evaporative Emission Factors ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/trip)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	25	15	1.14E-03	1.40E-02	7.10E-03	5.85E-07	0.00E+00	6.74E-07	6.74E-07	0.00E+00	6.20E-07	6.20E-07	5.91E-02	6.03E-05	4.26E-05
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	25	15	2.54E-04	3.11E-03	1.58E-03	1.30E-07	0.00E+00	1.50E-07	1.50E-07	0.00E+00	1.38E-07	1.38E-07	1.31E-02	1.34E-05	9.47E-06
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	25	15	3.17E-03	3.88E-02	1.97E-02	1.63E-06	0.00E+00	1.87E-06	1.87E-06	0.00E+00	1.72E-06	1.72E-06	1.64E-01	1.67E-04	1.18E-04
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	25	15	7.62E-04	9.32E-03	4.74E-03	3.90E-07	0.00E+00	4.49E-07	4.49E-07	0.00E+00	4.13E-07	4.13E-07	3.94E-02	4.02E-05	2.84E-05
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	25	15	2.54E-04	3.11E-03	1.58E-03	1.30E-07	0.00E+00	1.50E-07	1.50E-07	0.00E+00	1.38E-07	1.38E-07	1.31E-02	1.34E-05	9.47E-06
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	25	15	1.90E-03	2.33E-02	1.18E-02	9.75E-07	0.00E+00	1.12E-06	1.12E-06	0.00E+00	1.03E-06	1.03E-06	9.85E-02	1.00E-04	7.10E-05
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	25	15	7.62E-04	9.32E-03	4.74E-03	3.90E-07	0.00E+00	4.49E-07	4.49E-07	0.00E+00	4.13E-07	4.13E-07	3.94E-02	4.02E-05	2.84E-05
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	25	15	8.89E-04	1.09E-02	5.53E-03	4.55E-07	0.00E+00	5.24E-07	5.24E-07	0.00E+00	4.82E-07	4.82E-07	4.60E-02	4.69E-05	3.31E-05
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	25	15	7.62E-04	9.32E-03	4.74E-03	3.90E-07	0.00E+00	4.49E-07	4.49E-07	0.00E+00	4.13E-07	4.13E-07	3.94E-02	4.02E-05	2.84E-05
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	25	15	5.08E-04	6.22E-03	3.16E-03	2.60E-07	0.00E+00	3.00E-07	3.00E-07	0.00E+00	2.75E-07	2.75E-07	2.63E-02	2.68E-05	1.89E-05
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	25	15	1.07E-03	1.51E-02	6.67E-03	5.67E-07	0.00E+00	6.33E-07	6.33E-07	0.00E+00	5.82E-07	5.82E-07	5.73E-02	5.76E-05	4.22E-05
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	25	15	2.38E-04	3.36E-03	1.48E-03	1.26E-07	0.00E+00	1.41E-07	1.41E-07	0.00E+00	1.29E-07	1.29E-07	1.27E-02	1.28E-05	9.38E-06
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	25	15	2.98E-03	4.20E-02	1.85E-02	1.58E-06	0.00E+00	1.76E-06	1.76E-06	0.00E+00	1.62E-06	1.62E-06	1.59E-01	1.60E-04	1.17E-04
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	25	15	2.38E-04	3.36E-03	1.48E-03	1.26E-07	0.00E+00	1.41E-07	1.41E-07	0.00E+00	1.29E-07	1.29E-07	1.27E-02	1.28E-05	9.38E-06
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	25	15	2.38E-04	3.36E-03	1.48E-03	1.26E-07	0.00E+00	1.41E-07	1.41E-07	0.00E+00	1.29E-07	1.29E-07	1.27E-02	1.28E-05	9.38E-06
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	25	15	7.15E-04	1.01E-02	4.44E-03	3.78E-07	0.00E+00	4.22E-07	4.22E-07	0.00E+00	3.88E-07	3.88E-07	3.82E-02	3.84E-05	2.81E-05
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	25	15	8.34E-04	1.18E-02	5.19E-03	4.41E-07	0.00E+00	4.92E-07	4.92E-07	0.00E+00	4.53E-07	4.53E-07	4.46E-02	4.48E-05	3.28E-05
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	25	15	7.15E-04	1.01E-02	4.44E-03	3.78E-07	0.00E+00	4.22E-07	4.22E-07	0.00E+00	3.88E-07	3.88E-07	3.82E-02	3.84E-05	2.81E-05
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	25	15	4.77E-04	6.72E-03	2.96E-03	2.52E-07	0.00E+00	2.81E-07	2.81E-07	0.00E+00	2.59E-07	2.59E-07	2.55E-02	2.56E-05	1.88E-05
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	25	15	7.15E-04	1.01E-02	4.44E-03	3.78E-07	0.00E+00	4.22E-07	4.22E-07	0.00E+00	3.88E-07	3.88E-07	3.82E-02	3.84E-05	2.81E-05
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	25	15	1.36E-03	2.27E-02	8.44E-03	7.42E-07	0.00E+00	8.10E-07	8.10E-07	0.00E+00	7.45E-07	7.45E-07	7.50E-02	7.43E-05	5.63E-05
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	25	15	5.10E-04	8.49E-03	3.16E-03	2.78E-07	0.00E+00	3.04E-07	3.04E-07	0.00E+00	2.79E-07	2.79E-07	2.81E-02	2.79E-05	2.11E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	25	15	1.64E-03	2.74E-02	1.02E-02	8.96E-07	0.00E+00	9.79E-07	9.79E-07	0.00E+00	9.00E-07	9.00E-07	9.06E-02	8.98E-05	6.80E-05
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	25	15	9.64E-04	1.60E-02	5.98E-03	5.26E-07	0.00E+00	5.74E-07	5.74E-07	0.00E+00	5.28E-07	5.28E-07	5.31E-02	5.26E-05	3.99E-05
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	25	15	1.70E-03	2.83E-02	1.05E-02	9.27E-07	0.00E+00	1.01E-06	1.01E-06	0.00E+00	9.31E-07	9.31E-07	9.37E-02	9.29E-05	7.04E-05
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	25	15	6.80E-04	1.13E-02	4.22E-03	3.71E-07	0.00E+00	4.05E-07	4.05E-07	0.00E+00	3.73E-07	3.73E-07	3.75E-02	3.71E-05	2.81E-05
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	25	15	5.10E-04	8.49E-03	3.16E-03	2.78E-07	0.00E+00	3.04E-07	3.04E-07	0.00E+00	2.79E-07	2.79E-07	2.81E-02	2.79E-05	2.11E-05
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	25	15	1.76E-03	2.93E-02	1.09E-02	9.58E-07	0.00E+00	1.05E-06	1.05E-06	0.00E+00	9.62E-07	9.62E-07	9.68E-02	9.60E-05	7.27E-05
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	25	15	5.67E-04	9.44E-03	3.51E-03	3.09E-07	0.00E+00	3.38E-07	3.38E-07	0.00E+00	3.10E-07	3.10E-07	3.12E-02	3.10E-05	2.35E-05
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	25	15	6.80E-04	1.13E-02	4.22E-03	3.71E-07	0.00E+00	4.05E-07	4.05E-07	0.00E+00	3.73E-07	3.73E-07	3.75E-02	3.71E-05	2.81E-05
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	25	15	1.64E-03	3.31E-02	1.02E-02	9.22E-07	0.00E+00	9.95E-07	9.95E-07	0.00E+00	9.15E-07	9.15E-07	9.31E-02	9.10E-05	7.13E-05
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	25	15	7.68E-04	1.54E-02	4.74E-03	4.30E-07	0.00E+00	4.64E-07	4.64E-07	0.00E+00	4.27E-07	4.27E-07	4.35E-02	4.25E-05	3.33E-05
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	25	15	4.39E-04	8.81E-03	2.71E-03	2.46E-07	0.00E+00	2.65E-07	2.65E-07	0.00E+00	2.44E-07	2.44E-07	2.48E-02	2.43E-05	1.90E-05
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	25	15	1.64E-03	3.31E-02	1.02E-02	9.22E-07	0.00E+00	9.95E-07	9.95E-07	0.00E+00	9.15E-07	9.15E-07	9.31E-02	9.10E-05	7.13E-05
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	25	15	1.64E-03	3.31E-02	1.02E-02	9.22E-07	0.00E+00	9.95E-07	9.95E-07	0.00E+00	9.15E-07	9.15E-07	9.31E-02	9.10E-05	7.13E-05
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	25	15	6.58E-04	1.32E-02	4.07E-03	3.69E-07	0.00E+00	3.98E-07	3.98E-07	0.00E+00	3.66E-07	3.66E-07	3.73E-02	3.64E-05	2.85E-05
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	25	15	2.19E-04	4.41E-03	1.36E-03	1.23E-07	0.00E+00	1.33E-07	1.33E-07	0.00E+00	1.22E-07	1.22E-07	1.24E-02	1.21E-05	9.50E-06
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	25	15	2.74E-03	5.51E-02	1.69E-02	1.54E-06	0.00E+00	1.66E-06	1.66E-06	0.00E+00	1.52E-06	1.52E-06	1.55E-01	1.52E-04	1.19E-04
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	25	15	6.58E-04	1.32E-02	4.07E-03	3.69E-07	0.00E+00	3.98E-07	3.98E-07	0.00E+00	3.66E-07	3.66E-07	3.73E-02	3.64E-05	2.85E-05
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	25	15	6.58E-04	1.32E-02	4.07E-03	3.69E-07	0.00E+00	3.98E-07	3.98E-07	0.00E+00	3.66E-07	3.66E-07	3.73E-02	3.64E-05	2.85E-05
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	25	15	1.18E-03	2.54E-02	7.23E-03	6.74E-07	0.00E+00	7.26E-07	7.26E-07	0.00E+00	6.68E-07	6.68E-07	6.81E-02	6.58E-05	5.31E-05
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	25	15	1.48E-03	3.21E-02	9.12E-03	8.49E-07	0.00E+00	9.16E-07	9.16E-07	0.00E+00	8.42E-07	8.42E-07	8.58E-02	8.30E-05	6.69E-05
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	25	15	1.48E-03	3.21E-02	9.12E-03	8.49E-07	0.00E+00	9.16E-07	9.16E-07	0.00E+00	8.42E-07	8.42E-07	8.58E-02	8.30E-05	6.69E-05
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	25	15	8.70E-04	1.88E-02	5.35E-03	4.98E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.03E-02	4.87E-05	3.92E-05
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	25	15	1.54E-03	3.32E-02	9.44E-03	8.79E-07	0.00E+00	9.47E-07	9.47E-07	0.00E+00	8.71E-07	8.71E-07	8.88E-02	8.59E-05	6.92E-05
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	25	15	6.14E-04	1.33E-02	3.77E-03	3.51E-07	0.00E+00	3.79E-07	3.79E-07	0.00E+00	3.48E-07	3.48E-07	3.55E-02	3.43E-05	2.77E-05
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	25	15	4.61E-04	9.96E-03	2.83E-03	2.64E-07	0.00E+00	2.84E-07	2.84E-07	0.00E+00	2.61E-07	2.61E-07	2.66E-02	2.58E-05	2.08E-05
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	25	15	2.05E-04	4.42E-03	1.26E-03	1.17E-07	0.00E+00	1.26E-07	1.26E-07	0.00E+00	1.16E-07	1.16E-07	1.18E-02	1.14E-05	9.23E-06
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	25	15	1.59E-03	3.43E-02	9.75E-03	9.08E-07	0.00E+00	9.79E-07	9.79E-07	0.00E+00	9.00E-07	9.00E-07	9.18E-02	8.87E-05	7.15E-05
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	25	15	5.63E-04	1.22E-02	3.46E-03	3.22E-07	0.00E+00	3.47E-07	3.47E-07	0.00E+00	3.19E-07	3.19E-07	3.26E-02	3.15E-05	2.54E-05
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	25	15	6.14E-04	1.33E-02	3.77E-03	3.51E-07	0.00E+00	3.79E-07	3.79E-07	0.00E+00	3.48E-07	3.48E-07	3.55E-02	3.43E-05	2.77E-05

						Vendor Running Emission Factors												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission Factor (g/mile)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	25	15	6.77E-02	1.72E+00	3.64E-01	6.03E-03	2.08E-01	3.40E-02	2.42E-01	5.98E-02	3.25E-02	9.23E-02	6.47E+02	2.20E-02	9.30E-02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	25	15	1.50E-02	3.82E-01	8.10E-02	1.34E-03	4.62E-02	7.56E-03	5.38E-02	1.33E-02	7.23E-03	2.05E-02	1.44E+02	4.89E-03	2.07E-02
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	25	15	1.88E-01	4.77E+00	1.01E+00	1.68E-02	5.78E-01	9.45E-02	6.72E-01	1.66E-01	9.04E-02	2.56E-01	1.80E+03	6.11E-02	2.58E-01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	25	15	4.51E-02	1.15E+00	2.43E-01	4.02E-03	1.39E-01	2.27E-02	1.61E-01	3.99E-02	2.17E-02	6.15E-02	4.32E+02	1.47E-02	6.20E-02
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	25	15	1.50E-02	3.82E-01	8.10E-02	1.34E-03	4.62E-02	7.56E-03	5.38E-02	1.33E-02	7.23E-03	2.05E-02	1.44E+02	4.89E-03	2.07E-02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	25	15	1.13E-01	2.86E+00	6.07E-01	1.01E-02	3.47E-01	5.67E-02	4.03E-01	9.96E-02	5.42E-02	1.54E-01	1.08E+03	3.67E-02	1.55E-01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	25	15	4.51E-02	1.15E+00	2.43E-01	4.02E-03	1.39E-01	2.27E-02	1.61E-01	3.99E-02	2.17E-02	6.15E-02	4.32E+02	1.47E-02	6.20E-02
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	25	15	5.26E-02	1.34E+00	2.83E-01	4.69E-03	1.62E-01	2.64E-02	1.88E-01	4.65E-02	2.53E-02	7.18E-02	5.04E+02	1.71E-02	7.24E-02
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	25	15	4.51E-02	1.15E+00	2.43E-01	4.02E-03	1.39E-01	2.27E-02	1.61E-01	3.99E-02	2.17E-02	6.15E-02	4.32E+02	1.47E-02	6.20E-02
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	25	15	3.01E-02	7.64E-01	1.62E-01	2.68E-03	9.24E-02	1.51E-02	1.08E-01	2.66E-02	1.45E-02	4.10E-02	2.88E+02	9.77E-03	4.13E-02
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	25	15	5.50E-02	1.51E+00	3.15E-01	5.90E-03	2.08E-01	2.81E-02	2.36E-01	5.98E-02	2.69E-02	8.67E-02	6.34E+02	2.16E-02	9.12E-02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	25	15	1.22E-02	3.35E-01	6.99E-02	1.31E-03	4.62E-02	6.25E-03	5.25E-02	1.33E-02	5.98E-03	1.93E-02	1.41E+02	4.79E-03	2.03E-02
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	25	15	1.53E-01	4.18E+00	8.74E-01	1.64E-02	5.78E-01	7.82E-02	6.56E-01	1.66E-01	7.48E-02	2.41E-01	1.76E+03	5.99E-02	2.53E-01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	25	15	1.22E-02	3.35E-01	6.99E-02	1.31E-03	4.62E-02	6.25E-03	5.25E-02	1.33E-02	5.98E-03	1.93E-02	1.41E+02	4.79E-03	2.03E-02
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	25	15	1.22E-02	3.35E-01	6.99E-02	1.31E-03	4.62E-02	6.25E-03	5.25E-02	1.33E-02	5.98E-03	1.93E-02	1.41E+02	4.79E-03	2.03E-02
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	25	15	3.66E-02	1.00E+00	2.10E-01	3.93E-03	1.39E-01	1.88E-02	1.57E-01	3.99E-02	1.80E-02	5.78E-02	4.23E+02	1.44E-02	6.08E-02
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	25	15	4.28E-02	1.17E+00	2.45E-01	4.59E-03	1.62E-01	2.19E-02	1.84E-01	4.65E-02	2.09E-02	6.74E-02	4.93E+02	1.68E-02	7.09E-02
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	25	15	3.66E-02	1.00E+00	2.10E-01	3.93E-03	1.39E-01	1.88E-02	1.57E-01	3.99E-02	1.80E-02	5.78E-02	4.23E+02	1.44E-02	6.08E-02
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	25	15	2.44E-02	6.70E-01	1.40E-01	2.62E-03	9.24E-02	1.25E-02	1.05E-01	2.66E-02	1.20E-02	3.85E-02	2.82E+02	9.59E-03	4.05E-02
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	25	15	3.66E-02	1.00E+00	2.10E-01	3.93E-03	1.39E-01	1.88E-02	1.57E-01	3.99E-02	1.80E-02	5.78E-02	4.23E+02	1.44E-02	6.08E-02
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	25	15	4.26E-02	1.60E+00	3.09E-01	7.63E-03	2.77E-01	2.06E-02	2.98E-01	7.97E-02	1.98E-02	9.95E-02	8.21E+02	2.75E-02	1.18E-01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	25	15	1.60E-02	6.02E-01	1.16E-01	2.86E-03	1.04E-01	7.74E-03	1.12E-01	2.99E-02	7.41E-03	3.73E-02	3.08E+02	1.03E-02	4.43E-02
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	25	15	5.15E-02	1.94E+00	3.74E-01	9.22E-03	3.35E-01	2.50E-02	3.60E-01	9.63E-02	2.39E-02	1.20E-01	9.92E+02	3.32E-02	1.43E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	25	15	3.02E-02	1.14E+00	2.19E-01	5.40E-03	1.96E-01	1.46E-02	2.11E-01	5.65E-02	1.40E-02	7.04E-02	5.81E+02	1.95E-02	8.36E-02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	25	15	5.32E-02	2.01E+00	3.86E-01	9.54E-03	3.47E-01	2.58E-02	3.72E-01	9.96E-02	2.47E-02	1.24E-01	1.03E+03	3.43E-02	1.48E-01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	25	15	2.13E-02	8.02E-01	1.55E-01	3.82E-03	1.39E-01	1.03E-02	1.49E-01	3.99E-02	9.88E-03	4.97E-02	4.10E+02	1.37E-02	5.90E-02
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	25	15	1.60E-02	6.02E-01	1.16E-01	2.86E-03	1.04E-01	7.74E-03	1.12E-01	2.99E-02	7.41E-03	3.73E-02	3.08E+02	1.03E-02	4.43E-02
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	25	15	5.50E-02	2.07E+00	3.99E-01	9.86E-03	3.58E-01	2.67E-02	3.85E-01	1.03E-01	2.55E-02	1.28E-01	1.06E+03	3.55E-02	1.52E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	25	15	1.77E-02	6.69E-01	1.29E-01	3.18E-03	1.16E-01	8.60E-03	1.24E-01	3.32E-02	8.23E-03	4.14E-02	3.42E+02	1.14E-02	4.92E-02
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	25	15	2.13E-02	8.02E-01	1.55E-01	3.82E-03	1.39E-01	1.03E-02	1.49E-01	3.99E-02	9.88E-03	4.97E-02	4.10E+02	1.37E-02	5.90E-02
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	25	15	1.53E-02	1.44E+00	2.70E-01	9.08E-03	3.47E-01	1.11E-02	3.58E-01	9.96E-02	1.07E-02	1.10E-01	9.78E+02	3.27E-02	1.40E-01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	25	15	7.14E-03	6.71E-01	1.26E-01	4.24E-03	1.62E-01	5.20E-03	1.67E-01	4.65E-02	4.98E-03	5.15E-02	4.56E+02	1.53E-02	6.55E-02
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	25	15	4.08E-03	3.83E-01	7.20E-02	2.42E-03	9.24E-02	2.97E-03	9.54E-02	2.66E-02	2.84E-03	2.94E-02	2.61E+02	8.72E-03	3.74E-02
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	25	15	1.53E-02	1.44E+00	2.70E-01	9.08E-03	3.47E-01	1.11E-02	3.58E-01	9.96E-02	1.07E-02	1.10E-01	9.78E+02	3.27E-02	1.40E-01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	25	15	1.53E-02	1.44E+00	2.70E-01	9.08E-03	3.47E-01	1.11E-02	3.58E-01	9.96E-02	1.07E-02	1.10E-01	9.78E+02	3.27E-02	1.40E-01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	25	15	6.12E-03	5.75E-01	1.08E-01	3.63E-03	1.39E-01	4.46E-03	1.43E-01	3.99E-02	4.26E-03	4.41E-02	3.91E+02	1.31E-02	5.62E-02
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	25	15	2.04E-03	1.92E-01	3.60E-02	1.21E-03	4.62E-02	1.49E-03	4.77E-02	1.33E-02	1.42E-03	1.47E-02	1.30E+02	4.36E-03	1.87E-02
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	25	15	2.55E-02	2.39E+00	4.50E-01	1.51E-02	5.78E-01	1.86E-02	5.96E-01	1.66E-01	1.78E-02	1.84E-01	1.63E+03	5.45E-02	2.34E-01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	25	15	6.12E-03	5.75E-01	1.08E-01	3.63E-03	1.39E-01	4.46E-03	1.43E-01	3.99E-02	4.26E-03	4.41E-02	3.91E+02	1.31E-02	5.62E-02
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	25	15	6.12E-03	5.75E-01	1.08E-01	3.63E-03	1.39E-01	4.46E-03	1.43E-01	3.99E-02	4.26E-03	4.41E-02	3.91E+02	1.31E-02	5.62E-02
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	25	15	1.13E-02	1.11E+00	2.02E-01	6.85E-03	2.66E-01	8.57E-03	2.74E-01	7.64E-02	8.20E-03	8.46E-02	7.39E+02	2.51E-02	1.06E-01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	25	15	1.43E-02	1.40E+00	2.54E-01	8.64E-03	3.35E-01	1.08E-02	3.46E-01	9.63E-02	1.03E-02	1.07E-01	9.32E+02	3.17E-02	1.34E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	25	15	1.43E-02	1.40E+00	2.54E-01	8.64E-03	3.35E-01	1.08E-02	3.46E-01	9.63E-02	1.03E-02	1.07E-01	9.32E+02	3.17E-02	1.34E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	25	15	8.36E-03	8.21E-01	1.49E-01	5.07E-03	1.96E-01	6.34E-03	2.03E-01	5.65E-02	6.06E-03	6.25E-02	5.46E+02	1.86E-02	7.85E-02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	25	15	1.48E-02	1.45E+00	2.63E-01	8.94E-03	3.47E-01	1.12E-02	3.58E-01	9.96E-02	1.07E-02	1.10E-01	9.64E+02	3.27E-02	1.39E-01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	25	15	5.90E-03	5.79E-01	1.05E-01	3.58E-03	1.39E-01	4.47E-03	1.43E-01	3.99E-02	4.28E-03	4.41E-02	3.86E+02	1.31E-02	5.54E-02
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	25	15	4.43E-03	4.34E-01	7.89E-02	2.68E-03	1.04E-01	3.35E-03	1.07E-01	2.99E-02	3.21E-03	3.31E-02	2.89E+02	9.82E-03	4.16E-02
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	25	15	1.97E-03	1.93E-01	3.51E-02	1.19E-03	4.62E-02	1.49E-03	4.77E-02	1.33E-02	1.43E-03	1.47E-02	1.29E+02	4.37E-03	1.85E-02
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	25	15	1.52E-02	1.50E+00	2.72E-01	9.24E-03	3.58E-01	1.16E-02	3.70E-01	1.03E-01	1.11E-02	1.14E-01	9.96E+02	3.38E-02	1.43E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	25	15	5.41E-03	5.31E-01	9.65E-02	3.28E-03	1.27E-01	4.10E-03	1.31E-01	3.65E-02	3.92E-03	4.05E-02	3.53E+02	1.20E-02	5.08E-02
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	25	15	5.90E-03	5.79E-01	1.05E-01	3.58E-03	1.39E-01	4.47E-03	1.43E-01	3.99E-02	4.28E-03	4.41E-02	3.86E+02	1.31E-02	5.54E-02

Worker Starting Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission Factor (g/trip)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	25	6.03E-02	1.46E-02	1.34E-01	3.46E-05	0.00E+00	1.27E-04	1.27E-04	0.00E+00	1.17E-04	1.17E-04	3.50E+00	3.85E-03	1.67E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	25	1.81E-02	4.38E-03	4.02E-02	1.04E-05	0.00E+00	3.81E-05	3.81E-05	0.00E+00	3.50E-05	3.50E-05	1.05E+00	1.16E-03	5.01E-04
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	25	4.83E-02	1.17E-02	1.07E-01	2.77E-05	0.00E+00	1.02E-04	1.02E-04	0.00E+00	9.34E-05	9.34E-05	2.80E+00	3.08E-03	1.34E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	25	1.21E-02	2.92E-03	2.68E-02	6.92E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.34E-05	2.34E-05	7.00E-01	7.71E-04	3.34E-04
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	25	3.02E-02	7.31E-03	6.71E-02	1.73E-05	0.00E+00	6.35E-05	6.35E-05	0.00E+00	5.84E-05	5.84E-05	1.75E+00	1.93E-03	8.35E-04
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	25	3.02E-02	7.31E-03	6.71E-02	1.73E-05	0.00E+00	6.35E-05	6.35E-05	0.00E+00	5.84E-05	5.84E-05	1.75E+00	1.93E-03	8.35E-04
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	25	1.81E-02	4.38E-03	4.02E-02	1.04E-05	0.00E+00	3.81E-05	3.81E-05	0.00E+00	3.50E-05	3.50E-05	1.05E+00	1.16E-03	5.01E-04
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	25	1.21E-02	2.92E-03	2.68E-02	6.92E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.34E-05	2.34E-05	7.00E-01	7.71E-04	3.34E-04
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	25	3.02E-02	7.31E-03	6.71E-02	1.73E-05	0.00E+00	6.35E-05	6.35E-05	0.00E+00	5.84E-05	5.84E-05	1.75E+00	1.93E-03	8.35E-04
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	25	1.21E-02	2.92E-03	2.68E-02	6.92E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.34E-05	2.34E-05	7.00E-01	7.71E-04	3.34E-04
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	25	5.58E-02	1.34E-02	1.30E-01	3.36E-05	0.00E+00	1.19E-04	1.19E-04	0.00E+00	1.10E-04	1.10E-04	3.39E+00	3.54E-03	1.59E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	25	1.67E-02	4.03E-03	3.89E-02	1.01E-05	0.00E+00	3.58E-05	3.58E-05	0.00E+00	3.29E-05	3.29E-05	1.02E+00	1.06E-03	4.78E-04
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	25	4.46E-02	1.07E-02	1.04E-01	2.69E-05	0.00E+00	9.54E-05	9.54E-05	0.00E+00	8.77E-05	8.77E-05	2.71E+00	2.83E-03	1.27E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	25	2.79E-02	6.71E-03	6.48E-02	1.68E-05	0.00E+00	5.96E-05	5.96E-05	0.00E+00	5.48E-05	5.48E-05	1.70E+00	1.77E-03	7.96E-04
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	25	2.79E-02	6.71E-03	6.48E-02	1.68E-05	0.00E+00	5.96E-05	5.96E-05	0.00E+00	5.48E-05	5.48E-05	1.70E+00	1.77E-03	7.96E-04
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	25	1.67E-02	4.03E-03	3.89E-02	1.01E-05	0.00E+00	3.58E-05	3.58E-05	0.00E+00	3.29E-05	3.29E-05	1.02E+00	1.06E-03	4.78E-04
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	25	1.12E-02	2.68E-03	2.59E-02	6.71E-06	0.00E+00	2.38E-05	2.38E-05	0.00E+00	2.19E-05	2.19E-05	6.78E-01	7.08E-04	3.18E-04
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	25	1.12E-02	2.68E-03	2.59E-02	6.71E-06	0.00E+00	2.38E-05	2.38E-05	0.00E+00	2.19E-05	2.19E-05	6.78E-01	7.08E-04	3.18E-04
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	25	1.12E-02	2.68E-03	2.59E-02	6.71E-06	0.00E+00	2.38E-05	2.38E-05	0.00E+00	2.19E-05	2.19E-05	6.78E-01	7.08E-04	3.18E-04
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	25	2.79E-02	6.71E-03	6.48E-02	1.68E-05	0.00E+00	5.96E-05	5.96E-05	0.00E+00	5.48E-05	5.48E-05	1.70E+00	1.77E-03	7.96E-04
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	25	5.18E-02	1.24E-02	1.25E-01	3.25E-05	0.00E+00	1.12E-04	1.12E-04	0.00E+00	1.03E-04	1.03E-04	3.29E+00	3.26E-03	1.52E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	25	1.29E-02	3.09E-03	3.13E-02	8.13E-06	0.00E+00	2.81E-05	2.81E-05	0.00E+00	2.58E-05	2.58E-05	8.22E-01	8.15E-04	3.79E-04
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	25	2.59E-02	6.18E-03	6.26E-02	1.63E-05	0.00E+00	5.62E-05	5.62E-05	0.00E+00	5.17E-05	5.17E-05	1.64E+00	1.63E-03	7.59E-04
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	25	3.88E-02	9.27E-03	9.39E-02	2.44E-05	0.00E+00	8.43E-05	8.43E-05	0.00E+00	7.75E-05	7.75E-05	2.46E+00	2.45E-03	1.14E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	25	2.59E-02	6.18E-03	6.26E-02	1.63E-05	0.00E+00	5.62E-05	5.62E-05	0.00E+00	5.17E-05	5.17E-05	1.64E+00	1.63E-03	7.59E-04
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	25	1.55E-02	3.71E-03	3.76E-02	9.76E-06	0.00E+00	3.37E-05	3.37E-05	0.00E+00	3.10E-05	3.10E-05	9.86E-01	9.78E-04	4.55E-04
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	25	1.81E-02	4.33E-03	4.38E-02	1.14E-05	0.00E+00	3.93E-05	3.93E-05	0.00E+00	3.62E-05	3.62E-05	1.15E+00	1.14E-03	5.31E-04
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	25	2.59E-02	6.18E-03	6.26E-02	1.63E-05	0.00E+00	5.62E-05	5.62E-05	0.00E+00	5.17E-05	5.17E-05	1.64E+00	1.63E-03	7.59E-04
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	25	1.29E-02	3.09E-03	3.13E-02	8.13E-06	0.00E+00	2.81E-05	2.81E-05	0.00E+00	2.58E-05	2.58E-05	8.22E-01	8.15E-04	3.79E-04
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	25	1.81E-02	4.33E-03	4.38E-02	1.14E-05	0.00E+00	3.93E-05	3.93E-05	0.00E+00	3.62E-05	3.62E-05	1.15E+00	1.14E-03	5.31E-04
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	25	4.83E-02	1.14E-02	1.21E-01	3.15E-05	0.00E+00	1.07E-04	1.07E-04	0.00E+00	9.79E-05	9.79E-05	3.18E+00	3.00E-03	1.45E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	25	9.65E-03	2.29E-03	2.42E-02	6.30E-06	0.00E+00	2.13E-05	2.13E-05	0.00E+00	1.96E-05	1.96E-05	6.36E-01	6.01E-04	2.89E-04
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	25	9.65E-03	2.29E-03	2.42E-02	6.30E-06	0.00E+00	2.13E-05	2.13E-05	0.00E+00	1.96E-05	1.96E-05	6.36E-01	6.01E-04	2.89E-04
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	25	4.83E-02	1.14E-02	1.21E-01	3.15E-05	0.00E+00	1.07E-04	1.07E-04	0.00E+00	9.79E-05	9.79E-05	3.18E+00	3.00E-03	1.45E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	25	2.41E-02	5.71E-03	6.05E-02	1.57E-05	0.00E+00	5.33E-05	5.33E-05	0.00E+00	4.90E-05	4.90E-05	1.59E+00	1.50E-03	7.23E-04
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	25	1.45E-02	3.43E-03	3.63E-02	9.44E-06	0.00E+00	3.20E-05	3.20E-05	0.00E+00	2.94E-05	2.94E-05	9.54E-01	9.01E-04	4.34E-04
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	25	2.41E-02	5.71E-03	6.05E-02	1.57E-05	0.00E+00	5.33E-05	5.33E-05	0.00E+00	4.90E-05	4.90E-05	1.59E+00	1.50E-03	7.23E-04
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	25	3.86E-02	9.14E-03	9.67E-02	2.52E-05	0.00E+00	8.52E-05	8.52E-05	0.00E+00	7.84E-05	7.84E-05	2.54E+00	2.40E-03	1.16E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	25	1.45E-02	3.43E-03	3.63E-02	9.44E-06	0.00E+00	3.20E-05	3.20E-05	0.00E+00	2.94E-05	2.94E-05	9.54E-01	9.01E-04	4.34E-04
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	25	9.65E-03	2.29E-03	2.42E-02	6.30E-06	0.00E+00	2.13E-05	2.13E-05	0.00E+00	1.96E-05	1.96E-05	6.36E-01	6.01E-04	2.89E-04
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	25	4.51E-02	1.06E-02	1.17E-01	3.04E-05	0.00E+00	1.02E-04	1.02E-04	0.00E+00	9.34E-05	9.34E-05	3.08E+00	2.77E-03	1.38E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	25	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	25	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	25	3.38E-02	7.95E-03	8.74E-02	2.28E-05	0.00E+00	7.61E-05	7.61E-05	0.00E+00	7.00E-05	7.00E-05	2.31E+00	2.08E-03	1.03E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	25	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	25	1.35E-02	3.18E-03	3.50E-02	9.13E-06	0.00E+00	3.05E-05	3.05E-05	0.00E+00	2.80E-05	2.80E-05	9.23E-01	8.30E-04	4.13E-04
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	25	1.58E-02	3.71E-03	4.08E-02	1.07E-05	0.00E+00	3.55E-05	3.55E-05	0.00E+00	3.27E-05	3.27E-05	1.08E+00	9.69E-04	4.82E-04
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	25	1.13E-02	2.65E-03	2.91E-02	7.61E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.33E-05	2.33E-05	7.69E-01	6.92E-04	3.44E-04
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	25	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	25	9.02E-03	2.12E-03	2.33E-02	6.09E-06	0.00E+00	2.03E-05	2.03E-05	0.00E+00	1.87E-05	1.87E-05	6.15E-01	5.54E-04	2.75E-04
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	25	1.58E-02	3.71E-03	4.08E-02	1.07E-05	0.00E+00	3.55E-05	3.55E-05	0.00E+00	3.27E-05	3.27E-05	1.08E+00	9.69E-04	4.82E-04

					Worker Running Emission Factors													
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission Factor (g/mile)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	25	6.62E-02	2.49E-01	3.14E+00	8.57E-03	9.50E-01	6.02E-03	9.56E-01	2.52E-01	5.54E-03	2.57E-01	8.66E+02	1.55E-02	2.09E-02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	25	1.99E-02	7.46E-02	9.41E-01	2.57E-03	2.85E-01	1.81E-03	2.87E-01	7.55E-02	1.66E-03	7.72E-02	2.60E+02	4.65E-03	6.27E-03
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	25	5.30E-02	1.99E-01	2.51E+00	6.85E-03	7.60E-01	4.81E-03	7.65E-01	2.01E-01	4.43E-03	2.06E-01	6.93E+02	1.24E-02	1.67E-02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	25	1.32E-02	4.97E-02	6.28E-01	1.71E-03	1.90E-01	1.20E-03	1.91E-01	5.03E-02	1.11E-03	5.15E-02	1.73E+02	3.10E-03	4.18E-03
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	25	3.31E-02	1.24E-01	1.57E+00	4.28E-03	4.75E-01	3.01E-03	4.78E-01	1.26E-01	2.77E-03	1.29E-01	4.33E+02	7.74E-03	1.05E-02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	25	3.31E-02	1.24E-01	1.57E+00	4.28E-03	4.75E-01	3.01E-03	4.78E-01	1.26E-01	2.77E-03	1.29E-01	4.33E+02	7.74E-03	1.05E-02
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	25	1.99E-02	7.46E-02	9.41E-01	2.57E-03	2.85E-01	1.81E-03	2.87E-01	7.55E-02	1.66E-03	7.72E-02	2.60E+02	4.65E-03	6.27E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	25	1.32E-02	4.97E-02	6.28E-01	1.71E-03	1.90E-01	1.20E-03	1.91E-01	5.03E-02	1.11E-03	5.15E-02	1.73E+02	3.10E-03	4.18E-03
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	25	3.31E-02	1.24E-01	1.57E+00	4.28E-03	4.75E-01	3.01E-03	4.78E-01	1.26E-01	2.77E-03	1.29E-01	4.33E+02	7.74E-03	1.05E-02
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	25	1.32E-02	4.97E-02	6.28E-01	1.71E-03	1.90E-01	1.20E-03	1.91E-01	5.03E-02	1.11E-03	5.15E-02	1.73E+02	3.10E-03	4.18E-03
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	25	5.71E-02	2.15E-01	2.83E+00	8.32E-03	9.50E-01	5.62E-03	9.55E-01	2.52E-01	5.17E-03	2.57E-01	8.41E+02	1.35E-02	1.89E-02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	25	1.71E-02	6.45E-02	8.49E-01	2.50E-03	2.85E-01	1.69E-03	2.87E-01	7.55E-02	1.55E-03	7.71E-02	2.52E+02	4.06E-03	5.66E-03
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	25	4.57E-02	1.72E-01	2.26E+00	6.66E-03	7.60E-01	4.50E-03	7.64E-01	2.01E-01	4.14E-03	2.06E-01	6.73E+02	1.08E-02	1.51E-02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	25	2.86E-02	1.07E-01	1.41E+00	4.16E-03	4.75E-01	2.81E-03	4.78E-01	1.26E-01	2.59E-03	1.28E-01	4.20E+02	6.77E-03	9.43E-03
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	25	2.86E-02	1.07E-01	1.41E+00	4.16E-03	4.75E-01	2.81E-03	4.78E-01	1.26E-01	2.59E-03	1.28E-01	4.20E+02	6.77E-03	9.43E-03
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	25	1.71E-02	6.45E-02	8.49E-01	2.50E-03	2.85E-01	1.69E-03	2.87E-01	7.55E-02	1.55E-03	7.71E-02	2.52E+02	4.06E-03	5.66E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	25	1.14E-02	4.30E-02	5.66E-01	1.66E-03	1.90E-01	1.12E-03	1.91E-01	5.03E-02	1.03E-03	5.14E-02	1.68E+02	2.71E-03	3.77E-03
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	25	1.14E-02	4.30E-02	5.66E-01	1.66E-03	1.90E-01	1.12E-03	1.91E-01	5.03E-02	1.03E-03	5.14E-02	1.68E+02	2.71E-03	3.77E-03
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	25	1.14E-02	4.30E-02	5.66E-01	1.66E-03	1.90E-01	1.12E-03	1.91E-01	5.03E-02	1.03E-03	5.14E-02	1.68E+02	2.71E-03	3.77E-03
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	25	2.86E-02	1.07E-01	1.41E+00	4.16E-03	4.75E-01	2.81E-03	4.78E-01	1.26E-01	2.59E-03	1.28E-01	4.20E+02	6.77E-03	9.43E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	25	4.94E-02	1.87E-01	2.57E+00	8.06E-03	9.50E-01	5.25E-03	9.55E-01	2.52E-01	4.84E-03	2.57E-01	8.15E+02	1.18E-02	1.71E-02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	25	1.23E-02	4.68E-02	6.42E-01	2.02E-03	2.37E-01	1.31E-03	2.39E-01	6.29E-02	1.21E-03	6.41E-02	2.04E+02	2.96E-03	4.29E-03
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	25	2.47E-02	9.36E-02	1.28E+00	4.03E-03	4.75E-01	2.63E-03	4.77E-01	1.26E-01	2.42E-03	1.28E-01	4.07E+02	5.92E-03	8.57E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	25	3.70E-02	1.40E-01	1.93E+00	6.05E-03	7.12E-01	3.94E-03	7.16E-01	1.89E-01	3.63E-03	1.92E-01	6.11E+02	8.88E-03	1.29E-02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	25	2.47E-02	9.36E-02	1.28E+00	4.03E-03	4.75E-01	2.63E-03	4.77E-01	1.26E-01	2.42E-03	1.28E-01	4.07E+02	5.92E-03	8.57E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	25	1.48E-02	5.61E-02	7.71E-01	2.42E-03	2.85E-01	1.58E-03	2.86E-01	7.55E-02	1.45E-03	7.70E-02	2.44E+02	3.55E-03	5.14E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	25	1.73E-02	6.55E-02	8.99E-01	2.82E-03	3.32E-01	1.84E-03	3.34E-01	8.81E-02	1.69E-03	8.98E-02	2.85E+02	4.15E-03	6.00E-03
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	25	2.47E-02	9.36E-02	1.28E+00	4.03E-03	4.75E-01	2.63E-03	4.77E-01	1.26E-01	2.42E-03	1.28E-01	4.07E+02	5.92E-03	8.57E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	25	1.23E-02	4.68E-02	6.42E-01	2.02E-03	2.37E-01	1.31E-03	2.39E-01	6.29E-02	1.21E-03	6.41E-02	2.04E+02	2.96E-03	4.29E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	25	1.73E-02	6.55E-02	8.99E-01	2.82E-03	3.32E-01	1.84E-03	3.34E-01	8.81E-02	1.69E-03	8.98E-02	2.85E+02	4.15E-03	6.00E-03
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	25	4.27E-02	1.64E-01	2.35E+00	7.80E-03	9.50E-01	4.94E-03	9.55E-01	2.52E-01	4.55E-03	2.56E-01	7.89E+02	1.04E-02	1.57E-02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	25	8.55E-03	3.28E-02	4.69E-01	1.56E-03	1.90E-01	9.88E-04	1.91E-01	5.03E-02	9.10E-04	5.13E-02	1.58E+02	2.08E-03	3.14E-03
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	25	8.55E-03	3.28E-02	4.69E-01	1.56E-03	1.90E-01	9.88E-04	1.91E-01	5.03E-02	9.10E-04	5.13E-02	1.58E+02	2.08E-03	3.14E-03
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	25	4.27E-02	1.64E-01	2.35E+00	7.80E-03	9.50E-01	4.94E-03	9.55E-01	2.52E-01	4.55E-03	2.56E-01	7.89E+02	1.04E-02	1.57E-02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	25	2.14E-02	8.19E-02	1.17E+00	3.90E-03	4.75E-01	2.47E-03	4.77E-01	1.26E-01	2.27E-03	1.28E-01	3.94E+02	5.20E-03	7.84E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	25	1.28E-02	4.91E-02	7.04E-01	2.34E-03	2.85E-01	1.48E-03	2.86E-01	7.55E-02	1.36E-03	7.69E-02	2.37E+02	3.12E-03	4.70E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	25	2.14E-02	8.19E-02	1.17E+00	3.90E-03	4.75E-01	2.47E-03	4.77E-01	1.26E-01	2.27E-03	1.28E-01	3.94E+02	5.20E-03	7.84E-03
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	25	3.42E-02	1.31E-01	1.88E+00	6.24E-03	7.60E-01	3.95E-03	7.64E-01	2.01E-01	3.64E-03	2.05E-01	6.31E+02	8.32E-03	1.25E-02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	25	1.28E-02	4.91E-02	7.04E-01	2.34E-03	2.85E-01	1.48E-03	2.86E-01	7.55E-02	1.36E-03	7.69E-02	2.37E+02	3.12E-03	4.70E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	25	8.55E-03	3.28E-02	4.69E-01	1.56E-03	1.90E-01	9.88E-04	1.91E-01	5.03E-02	9.10E-04	5.13E-02	1.58E+02	2.08E-03	3.14E-03
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	25	3.77E-02	1.45E-01	2.17E+00	7.57E-03	9.50E-01	4.73E-03	9.54E-01	2.52E-01	4.35E-03	2.56E-01	7.66E+02	9.28E-03	1.45E-02
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	25	1.88E-02	7.24E-02	1.09E+00	3.79E-03	4.75E-01	2.36E-03	4.77E-01	1.26E-01	2.18E-03	1.28E-01	3.83E+02	4.64E-03	7.24E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	25	1.88E-02	7.24E-02	1.09E+00	3.79E-03	4.75E-01	2.36E-03	4.77E-01	1.26E-01	2.18E-03	1.28E-01	3.83E+02	4.64E-03	7.24E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	25	2.82E-02	1.09E-01	1.63E+00	5.68E-03	7.12E-01	3.55E-03	7.16E-01	1.89E-01	3.26E-03	1.92E-01	5.74E+02	6.96E-03	1.09E-02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	25	1.88E-02	7.24E-02	1.09E+00	3.79E-03	4.75E-01	2.36E-03	4.77E-01	1.26E-01	2.18E-03	1.28E-01	3.83E+02	4.64E-03	7.24E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	25	1.13E-02	4.35E-02	6.52E-01	2.27E-03	2.85E-01	1.42E-03	2.86E-01	7.55E-02	1.31E-03	7.68E-02	2.30E+02	2.78E-03	4.35E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	25	1.32E-02	5.07E-02	7.61E-01	2.65E-03	3.32E-01	1.65E-03	3.34E-01	8.81E-02	1.52E-03	8.96E-02	2.68E+02	3.25E-03	5.07E-03
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	25	9.42E-03	3.62E-02	5.43E-01	1.89E-03	2.37E-01	1.18E-03	2.39E-01	6.29E-02	1.09E-03	6.40E-02	1.91E+02	2.32E-03	3.62E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	25	1.88E-02	7.24E-02	1.09E+00	3.79E-03	4.75E-01	2.36E-03	4.77E-01	1.26E-01	2.18E-03	1.28E-01	3.83E+02	4.64E-03	7.24E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	25	7.53E-03	2.90E-02	4.35E-01	1.51E-03	1.90E-01	9.45E-04	1.91E-01	5.03E-02	8.70E-04	5.12E-02	1.53E+02	1.86E-03	2.90E-03
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	25	1.32E-02	5.07E-02	7.61E-01	2.65E-03	3.32E-01	1.65E-03	3.34E-01	8.81E-02	1.52E-03	8.96E-02	2.68E+02	3.25E-03	5.07E-03

World Logistics Center-Construction Plots 2, 4, 9, 1, 3,& 20 (2020-2024)-Unmitigated

South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	40,600.00	1000sqft	2,419.90	40,600,000.00	0
Parking Lot	123.60	Acre	123.60	5,384,016.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Construction Assumptions

Construction Phase - Project Schedule

Off-road Equipment - Project Equipment

Off-road Equipment - Project Equipment

Off-road Equipment - Project Equipment

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Construction Off-road Equipment Mitigation -
Off-road Equipment - Project Specific

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2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	89.5102	948.1994	673.7548	1.4224	91.0945	40.9676	132.0621	43.0859	37.7403	80.8261	0.0000	137,575.7237	137,575.7237	44.0001	0.0000	138,675.7263
2021	103.9519	1,085.2951	807.4951	1.7226	84.0217	46.1212	130.1429	38.9972	42.4782	81.4753	0.0000	166,594.5097	166,594.5097	53.3536	0.0000	167,928.3490
2022	103.7637	1,067.9548	842.4030	1.8254	142.0289	44.3914	186.4203	65.2105	40.8823	106.0928	0.0000	176,540.0583	176,540.0583	56.5647	0.0000	177,954.1754
2023	99.0169	980.7770	836.0340	1.8293	162.3356	40.4655	202.8011	70.7281	37.2670	107.9951	0.0000	176,897.2379	176,897.2379	56.6664	0.0000	178,313.8987
2024	83.4644	782.1172	749.9448	1.6999	109.8343	31.9953	141.8296	48.4343	29.4700	77.9043	0.0000	164,359.2210	164,359.2210	52.6170	0.0000	165,674.6451
Maximum	**103.9519**	**1,085.2951**	**842.4030**	**1.8293**	**162.3356**	**46.1212**	**202.8011**	**70.7281**	**42.4782**	**107.9951**	**0.0000**	**176,897.2379**	**176,897.2379**	**56.6664**	**0.0000**	**178,313.8987**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	89.5102	948.1994	673.7548	1.4224	35.5269	40.9676	76.4945	16.8035	37.7403	54.5438	0.0000	137,575.7235	137,575.7235	44.0001	0.0000	138,675.7262
2021	103.9519	1,085.2951	807.4951	1.7226	32.7685	46.1212	78.8897	15.2089	42.4782	57.6871	0.0000	166,594.5095	166,594.5095	53.3536	0.0000	167,928.3488
2022	103.7637	1,067.9548	842.4030	1.8254	55.3913	44.3914	99.7826	25.4321	40.8823	66.3144	0.0000	176,540.0582	176,540.0582	56.5647	0.0000	177,954.1752
2023	99.0169	980.7770	836.0340	1.8293	63.3109	40.4655	103.7764	27.5840	37.2670	64.8509	0.0000	176,897.2377	176,897.2377	56.6664	0.0000	178,313.8985
2024	83.4644	782.1172	749.9448	1.6999	42.8354	31.9953	74.8307	18.8894	29.4700	48.3593	0.0000	164,359.2208	164,359.2208	52.6170	0.0000	165,674.6449
Maximum	**103.9519**	**1,085.2951**	**842.4030**	**1.8293**	**63.3109**	**46.1212**	**103.7764**	**27.5840**	**42.4782**	**66.3144**	**0.0000**	**176,897.2377**	**176,897.2377**	**56.6664**	**0.0000**	**178,313.8985**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e

Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**61.00**	**0.00**	**45.32**	**61.00**	**0.00**	**35.78**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	909.6882	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Energy	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
Total	**912.1233**	**22.1746**	**22.7268**	**0.1331**		**1.6971**	**1.6971**		**1.6971**	**1.6971**		**26,573.9407**	**26,573.9407**	**0.5321**	**0.4870**	**26,732.3774**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	909.6882	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Energy	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
Total	**912.1233**	**22.1746**	**22.7268**	**0.1331**		**1.6971**	**1.6971**		**1.6971**	**1.6971**		**26,573.9407**	**26,573.9407**	**0.5321**	**0.4870**	**26,732.3774**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Plots 2 and 4 (2020) Mass Excavation	Grading	1/1/2020	12/31/2020	5	262	11
2	Plots 2 and 4 (2020) Finish Grading	Grading	1/1/2020	12/31/2020	5	262	12
3	Plots 2 and 4 (2020) Utilities	Trenching	1/1/2020	12/31/2020	5	262	13
4	Plots 2 and 4 (2020) Landscaping	Building Construction	1/1/2020	12/31/2020	5	262	14
5	Plots 2 and 4 (2020) Building Concrete	Building Construction	1/1/2020	12/31/2020	5	262	15
6	Plots 2 and 4 (2020) Building-Wet Utilities	Building Construction	1/1/2020	12/31/2020	5	262	16
7	Plots 2 and 4 (2020) Building-Electrical	Building Construction	1/1/2020	12/31/2020	5	262	17
8	Plots 2 and 4 (2020) Temporary Utilities	Building Construction	1/1/2020	12/31/2020	5	262	18
9	Plots 2 and 4 (2020) Building-Landscaping	Building Construction	1/1/2020	12/31/2020	5	262	19
10	Plots 2 and 4 (2020) Paving	Paving	1/1/2020	12/31/2020	5	262	20
11	Plots 2 and 4 (2020) Curbing/Drive Approaches	Paving	1/1/2020	12/31/2020	5	262	21
12	Plot 4 (2021) Mass Excavation	Grading	1/1/2021	12/31/2021	5	261	22
13	Plot 4 (2021) Finish Grading	Grading	1/1/2021	12/31/2021	5	261	23
14	Plot 4 (2021) Utilities	Trenching	1/1/2021	12/31/2021	5	261	24
15	Plot 4 (2021) Building-Concrete	Building Construction	1/1/2021	12/31/2021	5	261	25
16	Plot 4 (2021) Building-Wet Utilities	Building Construction	1/1/2021	12/31/2021	5	261	26
17	Plot 4 (2021) Building-Electrical	Building Construction	1/1/2021	12/31/2021	5	261	27
18	Plot 4 (2021) Building-Landscaping	Building Construction	1/1/2021	12/31/2021	5	261	28
19	Plot 4 (2021) Landscaping	Building Construction	1/1/2021	12/31/2021	5	261	29
20	Plot 4 (2021) Temporary Utilities	Building Construction	1/1/2021	12/31/2021	5	261	30
21	Plot 4 (2021) Curbing/Drive Approaches	Paving	1/1/2021	12/31/2021	5	261	31
22	Plot 4 (2021) Paving	Paving	1/1/2021	12/31/2021	5	261	32
23	Plots 4 and 9 (2022) Mass Excavation	Grading	1/1/2022	12/31/2022	5	260	33
24	Plots 4 and 9 (2022) Finish Grading	Grading	1/1/2022	12/31/2022	5	260	34
25	Plots 4 and 9 (2022) Utilities	Trenching	1/1/2022	12/31/2022	5	260	35
26	Plots 4 and 9 (2022) Building-Concrete	Building Construction	1/1/2022	12/31/2022	5	260	36
27	Plots 4 and 9 (2022) Building-Wet Utilities	Building Construction	1/1/2022	12/31/2022	5	260	37
28	Plots 4 and 9 (2022) Building-Electrical	Building Construction	1/1/2022	12/31/2022	5	260	38
29	Plots 4 and 9 (2022) Building-Landscaping	Building Construction	1/1/2022	12/31/2022	5	260	39

30	Plots 4 and 9 (2022) Landscaping	Building Construction	1/1/2022	12/31/2022	5	260	40
31	Plots 4 and 9 (2022) Temporary Utilities	Building Construction	1/1/2022	12/31/2022	5	260	41
32	Plots 4 and 9 (2022) Curbing/Drive Approaches	Paving	1/1/2022	12/31/2022	5	260	42
33	Plots 4 and 9 (2022) Paving	Paving	1/1/2022	12/31/2022	5	260	43
34	Plot 9 (2023) Mass Excavation	Grading	1/1/2023	12/31/2023	5	260	44
35	Plot 9 (2023) Finish Grading	Grading	1/1/2023	12/31/2023	5	260	45
36	Plot 9 (2023) Utilities	Trenching	1/1/2023	12/31/2023	5	260	46
37	Plot 9 (2023) Building-Concrete	Building Construction	1/1/2023	12/31/2023	5	260	47
38	Plot 9 (2023) Building-Wet Utilities	Building Construction	1/1/2023	12/31/2023	5	260	48
39	Plot 9 (2023) Building-Electrical	Building Construction	1/1/2023	12/31/2023	5	260	49
40	Plot 9 (2023) Building-Landscaping	Building Construction	1/1/2023	12/31/2023	5	260	50
41	Plot 9 (2023) Interchange	Building Construction	1/1/2023	12/31/2023	5	260	51
42	Plot 9 (2023) Landscaping	Building Construction	1/1/2023	12/31/2023	5	260	52
43	Plot 9 (2023) Temporary Utilities	Building Construction	1/1/2023	12/31/2023	5	260	53
44	Plot 9 (2023) Curbing/Drive Approaches	Paving	1/1/2023	12/31/2023	5	260	54
45	Plot 9 (2023) Paving	Paving	1/1/2023	12/31/2023	5	260	55
46	Plots 9 and 1,3,20 (2024) Mass Excavation	Grading	1/1/2024	12/31/2024	5	261	56
47	Plots 9 and 1,3,20 (2024) Finish Grading	Grading	1/1/2024	12/31/2024	5	262	57
48	Plots 9 and 1,3,20 (2024) Utilities	Trenching	1/1/2024	12/31/2024	5	262	58
49	Plots 9 and 1,3,20 (2024) Building-Concrete	Building Construction	1/1/2024	12/31/2024	5	262	59
50	Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Building Construction	1/1/2024	12/31/2024	5	262	60
51	Plots 9 and 1,3,20 (2024) Building-Electrical	Building Construction	1/1/2024	12/31/2024	5	262	61
52	Plots 9 and 1,3,20 (2024) Building-Landscaping	Building Construction	1/1/2024	12/31/2024	5	262	62
53	Plots 9 and 1,3,20 (2024) Interchange	Building Construction	1/1/2024	12/31/2024	5	262	63
54	Plots 9 and 1,3,20 (2024) Landscaping	Building Construction	1/1/2024	12/31/2024	5	262	64
55	Plots 9 and 1,3,20 (2024) Temporary Utilities	Building Construction	1/1/2024	12/31/2024	5	262	65
56	Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	Paving	1/1/2024	12/31/2024	5	262	66
57	Plots 9 and 1,3,20 (2024) Paving	Paving	1/1/2024	12/31/2024	5	262	67

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 123.6

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Plots 2 and 4 (2020) Mass Excavation	Graders	1	10.00	193	0.41
Plots 2 and 4 (2020) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plots 2 and 4 (2020) Mass Excavation	Other Material Handling Equipment	4	1.00	167	0.40
Plots 2 and 4 (2020) Mass Excavation	Other Material Handling Equipment	4	1.00	167	0.40
Plots 2 and 4 (2020) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 2 and 4 (2020) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 2 and 4 (2020) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 2 and 4 (2020) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 2 and 4 (2020) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plots 2 and 4 (2020) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plots 2 and 4 (2020) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plots 2 and 4 (2020) Mass Excavation	Rubber Tired Dozers	3	10.00	85	0.40
Plots 2 and 4 (2020) Mass Excavation	Scrapers	6	10.00	550	0.48
Plots 2 and 4 (2020) Mass Excavation	Scrapers	12	10.00	550	0.48
Plots 2 and 4 (2020) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 2 and 4 (2020) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 2 and 4 (2020) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 2 and 4 (2020) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plots 2 and 4 (2020) Finish Grading	Rubber Tired Dozers	3	10.00	85	0.40
Plots 2 and 4 (2020) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 2 and 4 (2020) Utilities	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 2 and 4 (2020) Utilities	Excavators	2	10.00	523	0.38
Plots 2 and 4 (2020) Utilities	Excavators	5	10.00	286	0.38
Plots 2 and 4 (2020) Utilities	Excavators	2	10.00	190	0.38
Plots 2 and 4 (2020) Utilities	Excavators	4	10.00	396	0.38
Plots 2 and 4 (2020) Utilities	Excavators	2	10.00	190	0.38
Plots 2 and 4 (2020) Utilities	Excavators	2	10.00	188	0.38

Plots 2 and 4 (2020) Utilities	Excavators	8	10.00	40	0.38
Plots 2 and 4 (2020) Utilities	Forklifts	4	10.00	89	0.20
Plots 2 and 4 (2020) Utilities	Other Material Handling Equipment	7	1.00	167	0.40
Plots 2 and 4 (2020) Utilities	Other Material Handling Equipment	16	1.00	167	0.40
Plots 2 and 4 (2020) Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 2 and 4 (2020) Utilities	Tractors/Loaders/Backhoes	8	10.00	90	0.37
Plots 2 and 4 (2020) Landscaping	Excavators	2	10.00	29	0.38
Plots 2 and 4 (2020) Landscaping	Forklifts	2	10.00	125	0.20
Plots 2 and 4 (2020) Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 2 and 4 (2020) Landscaping	Other Material Handling Equipment	10	1.00	167	0.40
Plots 2 and 4 (2020) Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 2 and 4 (2020) Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 2 and 4 (2020) Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 2 and 4 (2020) Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plots 2 and 4 (2020) Landscaping	Trenchers	2	10.00	39	0.50
Plots 2 and 4 (2020) Building Concrete	Cement and Mortar Mixers	15	1.00	9	0.56
Plots 2 and 4 (2020) Building Concrete	Other Material Handling Equipment	2	1.00	167	0.40
Plots 2 and 4 (2020) Building Concrete	Pumps	2	10.00	84	0.74
Plots 2 and 4 (2020) Building Concrete	Tractors/Loaders/Backhoes	4	10.00	78	0.37
Plots 2 and 4 (2020) Building-Wet Utilities	Excavators	2	10.00	300	0.38
Plots 2 and 4 (2020) Building-Wet Utilities	Excavators	2	10.00	179	0.38
Plots 2 and 4 (2020) Building-Wet Utilities	Excavators	2	10.00	173	0.38
Plots 2 and 4 (2020) Building-Wet Utilities	Other Material Handling Equipment	15	1.00	167	0.40
Plots 2 and 4 (2020) Building-Wet Utilities	Rubber Tired Loaders	6	10.00	152	0.36
Plots 2 and 4 (2020) Building-Wet Utilities	Tractors/Loaders/Backhoes	4	10.00	85	0.37
Plots 2 and 4 (2020) Building-Wet Utilities	Tractors/Loaders/Backhoes	6	10.00	108	0.37
Plots 2 and 4 (2020) Building-Electrical	Cement and Mortar Mixers	16	1.00	9	0.56
Plots 2 and 4 (2020) Building-Electrical	Excavators	4	10.00	40	0.38
Plots 2 and 4 (2020) Building-Electrical	Forklifts	4	10.00	89	0.20
Plots 2 and 4 (2020) Building-Electrical	Other Material Handling Equipment	6	1.00	167	0.40
Plots 2 and 4 (2020) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 2 and 4 (2020) Temporary Utilities	Cranes	2	10.00	445	0.29

Plots 2 and 4 (2020) Building-Landscaping	Excavators	2	10.00	29	0.38
Plots 2 and 4 (2020) Building-Landscaping	Forklifts	2	10.00	125	0.20
Plots 2 and 4 (2020) Building-Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 2 and 4 (2020) Building-Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 2 and 4 (2020) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 2 and 4 (2020) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plots 2 and 4 (2020) Building-Landscaping	Trenchers	2	10.00	39	0.50
Plots 2 and 4 (2020) Paving	Other Material Handling Equipment	6	1.00	167	0.40
Plots 2 and 4 (2020) Paving	Pavers	2	10.00	126	0.42
Plots 2 and 4 (2020) Paving	Paving Equipment	2	10.00	131	0.36
Plots 2 and 4 (2020) Paving	Plate Compactors	2	10.00	8	0.43
Plots 2 and 4 (2020) Paving	Rollers	2	10.00	81	0.38
Plots 2 and 4 (2020) Paving	Scrapers	2	10.00	362	0.48
Plots 2 and 4 (2020) Paving	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 2 and 4 (2020) Curbing/Drive Approaches	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 2 and 4 (2020) Curbing/Drive Approaches	Other Material Handling Equipment	4	1.00	167	0.40
Plots 2 and 4 (2020) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plots 2 and 4 (2020) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plots 2 and 4 (2020) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plot 4 (2021) Mass Excavation	Graders	2	10.00	193	0.41
Plot 4 (2021) Mass Excavation	Off-Highway Trucks	2	10.00	400	0.38
Plot 4 (2021) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40
Plot 4 (2021) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40
Plot 4 (2021) Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plot 4 (2021) Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plot 4 (2021) Mass Excavation	Rubber Tired Dozers	2	10.00	305	0.40
Plot 4 (2021) Mass Excavation	Rubber Tired Dozers	2	10.00	140	0.40
Plot 4 (2021) Mass Excavation	Rubber Tired Dozers	3	10.00	85	0.40
Plot 4 (2021) Mass Excavation	Rubber Tired Dozers	3	10.00	580	0.40
Plot 4 (2021) Mass Excavation	Rubber Tired Dozers	3	10.00	580	0.40
Plot 4 (2021) Mass Excavation	Rubber Tired Dozers	3	10.00	410	0.40
Plot 4 (2021) Mass Excavation	Scrapers	6	10.00	550	0.48

Plot 4 (2021) Mass Excavation	Scrapers	14	10.00	550	0.48
Plot 4 (2021) Mass Excavation	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 4 (2021) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 4 (2021) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 4 (2021) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plot 4 (2021) Finish Grading	Rubber Tired Dozers	3	10.00	85	0.40
Plot 4 (2021) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 4 (2021) Utilities	Cement and Mortar Mixers	8	1.00	9	0.56
Plot 4 (2021) Utilities	Excavators	2	10.00	523	0.38
Plot 4 (2021) Utilities	Excavators	10	10.00	286	0.38
Plot 4 (2021) Utilities	Excavators	2	10.00	190	0.38
Plot 4 (2021) Utilities	Excavators	4	10.00	396	0.38
Plot 4 (2021) Utilities	Excavators	2	10.00	190	0.38
Plot 4 (2021) Utilities	Excavators	2	10.00	188	0.38
Plot 4 (2021) Utilities	Excavators	8	10.00	40	0.38
Plot 4 (2021) Utilities	Forklifts	4	10.00	89	0.20
Plot 4 (2021) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 4 (2021) Utilities	Other Material Handling Equipment	18	1.00	167	0.40
Plot 4 (2021) Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 4 (2021) Utilities	Tractors/Loaders/Backhoes	8	10.00	90	0.37
Plot 4 (2021) Building-Concrete	Cement and Mortar Mixers	30	1.00	9	0.56
Plot 4 (2021) Building-Concrete	Other Material Handling Equipment	2	1.00	167	0.40
Plot 4 (2021) Building-Concrete	Pumps	2	10.00	84	0.74
Plot 4 (2021) Building-Concrete	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plot 4 (2021) Building-Wet Utilities	Excavators	2	10.00	300	0.38
Plot 4 (2021) Building-Wet Utilities	Excavators	2	10.00	179	0.38
Plot 4 (2021) Building-Wet Utilities	Excavators	2	10.00	173	0.38
Plot 4 (2021) Building-Wet Utilities	Other Material Handling Equipment	15	1.00	167	0.40
Plot 4 (2021) Building-Wet Utilities	Rubber Tired Loaders	6	10.00	152	0.36
Plot 4 (2021) Building-Wet Utilities	Tractors/Loaders/Backhoes	4	10.00	108	0.37
Plot 4 (2021) Building-Wet Utilities	Tractors/Loaders/Backhoes	6	10.00	108	0.37
Plot 4 (2021) Building-Electrical	Cement and Mortar Mixers	18	1.00	9	0.56

Plot 4 (2021) Building-Electrical	Excavators	10	10.00	40	0.38
Plot 4 (2021) Building-Electrical	Forklifts	4	10.00	89	0.20
Plot 4 (2021) Building-Electrical	Other Material Handling Equipment	6	1.00	167	0.40
Plot 4 (2021) Building-Electrical	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plot 4 (2021) Building-Landscaping	Excavators	2	10.00	29	0.38
Plot 4 (2021) Building-Landscaping	Forklifts	2	10.00	125	0.20
Plot 4 (2021) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plot 4 (2021) Building-Landscaping	Other Material Handling Equipment	3	1.00	167	0.40
Plot 4 (2021) Building-Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plot 4 (2021) Building-Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plot 4 (2021) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plot 4 (2021) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plot 4 (2021) Building-Landscaping	Trenchers	2	10.00	39	0.50
Plot 4 (2021) Landscaping	Excavators	2	10.00	29	0.38
Plot 4 (2021) Landscaping	Forklifts	2	10.00	125	0.20
Plot 4 (2021) Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 4 (2021) Landscaping	Other Material Handling Equipment	10	1.00	167	0.40
Plot 4 (2021) Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plot 4 (2021) Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plot 4 (2021) Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plot 4 (2021) Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plot 4 (2021) Landscaping	Trenchers	2	10.00	39	0.50
Plot 4 (2021) Temporary Utilities	Cranes	2	10.00	445	0.29
Plot 4 (2021) Curbing/Drive Approaches	Cement and Mortar Mixers	8	1.00	9	0.56
Plot 4 (2021) Curbing/Drive Approaches	Other Material Handling Equipment	4	1.00	167	0.40
Plot 4 (2021) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plot 4 (2021) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plot 4 (2021) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plot 4 (2021) Paving	Other Material Handling Equipment	6	1.00	167	0.40
Plot 4 (2021) Paving	Pavers	2	10.00	126	0.42
Plot 4 (2021) Paving	Paving Equipment	2	10.00	131	0.36
Plot 4 (2021) Paving	Plate Compactors	2	10.00	8	0.43

Plot 4 (2021) Paving	Rollers	2	10.00	81	0.38
Plot 4 (2021) Paving	Scrapers	2	10.00	362	0.48
Plot 4 (2021) Paving	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 4 and 9 (2022) Mass Excavation	Graders	2	10.00	193	0.41
Plots 4 and 9 (2022) Mass Excavation	Off-Highway Trucks	2	10.00	400	0.38
Plots 4 and 9 (2022) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40
Plots 4 and 9 (2022) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40
Plots 4 and 9 (2022) Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plots 4 and 9 (2022) Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plots 4 and 9 (2022) Mass Excavation	Rubber Tired Dozers	4	10.00	580	0.40
Plots 4 and 9 (2022) Mass Excavation	Rubber Tired Dozers	4	10.00	580	0.40
Plots 4 and 9 (2022) Mass Excavation	Rubber Tired Dozers	4	10.00	410	0.40
Plots 4 and 9 (2022) Mass Excavation	Rubber Tired Dozers	2	10.00	305	0.40
Plots 4 and 9 (2022) Mass Excavation	Rubber Tired Dozers	2	10.00	140	0.40
Plots 4 and 9 (2022) Mass Excavation	Rubber Tired Dozers	3	10.00	85	0.40
Plots 4 and 9 (2022) Mass Excavation	Scrapers	6	10.00	550	0.48
Plots 4 and 9 (2022) Mass Excavation	Scrapers	14	10.00	550	0.48
Plots 4 and 9 (2022) Mass Excavation	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 4 and 9 (2022) Finish Grading	Other Construction Equipment	2	10.00	167	0.42
Plots 4 and 9 (2022) Finish Grading	Other Construction Equipment	2	10.00	167	0.42
Plots 4 and 9 (2022) Finish Grading	Rubber Tired Dozers	2	10.00	140	0.40
Plots 4 and 9 (2022) Finish Grading	Rubber Tired Dozers	4	10.00	85	0.40
Plots 4 and 9 (2022) Finish Grading	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 4 and 9 (2022) Utilities	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 4 and 9 (2022) Utilities	Excavators	2	10.00	523	0.38
Plots 4 and 9 (2022) Utilities	Excavators	10	10.00	286	0.38
Plots 4 and 9 (2022) Utilities	Excavators	2	10.00	190	0.38
Plots 4 and 9 (2022) Utilities	Excavators	4	10.00	396	0.38
Plots 4 and 9 (2022) Utilities	Excavators	2	10.00	190	0.38
Plots 4 and 9 (2022) Utilities	Excavators	2	10.00	188	0.38
Plots 4 and 9 (2022) Utilities	Excavators	8	10.00	40	0.38
Plots 4 and 9 (2022) Utilities	Forklifts	4	10.00	89	0.20

Plots 4 and 9 (2022) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 4 and 9 (2022) Utilities	Other Material Handling Equipment	18	1.00	167	0.40
Plots 4 and 9 (2022) Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 4 and 9 (2022) Utilities	Tractors/Loaders/Backhoes	8	10.00	90	0.37
Plots 4 and 9 (2022) Building-Concrete	Cement and Mortar Mixers	30	1.00	9	0.56
Plots 4 and 9 (2022) Building-Concrete	Other Material Handling Equipment	2	1.00	167	0.40
Plots 4 and 9 (2022) Building-Concrete	Pumps	2	10.00	84	0.74
Plots 4 and 9 (2022) Building-Concrete	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plots 4 and 9 (2022) Building-Wet Utilities	Excavators	2	10.00	300	0.38
Plots 4 and 9 (2022) Building-Wet Utilities	Excavators	2	10.00	179	0.38
Plots 4 and 9 (2022) Building-Wet Utilities	Excavators	2	10.00	173	0.38
Plots 4 and 9 (2022) Building-Wet Utilities	Other Material Handling Equipment	15	1.00	167	0.40
Plots 4 and 9 (2022) Building-Wet Utilities	Rubber Tired Loaders	6	10.00	152	0.36
Plots 4 and 9 (2022) Building-Wet Utilities	Tractors/Loaders/Backhoes	4	10.00	85	0.37
Plots 4 and 9 (2022) Building-Wet Utilities	Tractors/Loaders/Backhoes	6	10.00	108	0.37
Plots 4 and 9 (2022) Building-Electrical	Cement and Mortar Mixers	18	1.00	9	0.56
Plots 4 and 9 (2022) Building-Electrical	Excavators	10	10.00	40	0.38
Plots 4 and 9 (2022) Building-Electrical	Forklifts	4	10.00	89	0.20
Plots 4 and 9 (2022) Building-Electrical	Other Material Handling Equipment	6	1.00	167	0.40
Plots 4 and 9 (2022) Building-Electrical	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plots 4 and 9 (2022) Building-Landscaping	Excavators	2	10.00	29	0.38
Plots 4 and 9 (2022) Building-Landscaping	Forklifts	2	10.00	125	0.20
Plots 4 and 9 (2022) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plots 4 and 9 (2022) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plots 4 and 9 (2022) Building-Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 4 and 9 (2022) Building-Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 4 and 9 (2022) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 4 and 9 (2022) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plots 4 and 9 (2022) Building-Landscaping	Trenchers	2	10.00	39	0.50
Plots 4 and 9 (2022) Landscaping	Excavators	2	10.00	29	0.38
Plots 4 and 9 (2022) Landscaping	Forklifts	2	10.00	125	0.20
Plots 4 and 9 (2022) Landscaping	Other Material Handling Equipment	2	1.00	167	0.40

Plots 4 and 9 (2022) Landscaping	Other Material Handling Equipment	10	1.00	167	0.40
Plots 4 and 9 (2022) Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 4 and 9 (2022) Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 4 and 9 (2022) Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 4 and 9 (2022) Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plots 4 and 9 (2022) Landscaping	Trenchers	2	10.00	39	0.50
Plots 4 and 9 (2022) Temporary Utilities	Cranes	2	10.00	445	0.29
Plots 4 and 9 (2022) Curbing/Drive Approaches	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 4 and 9 (2022) Curbing/Drive Approaches	Other Material Handling Equipment	4	1.00	167	0.40
Plots 4 and 9 (2022) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plots 4 and 9 (2022) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plots 4 and 9 (2022) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plots 4 and 9 (2022) Paving	Other Material Handling Equipment	6	1.00	167	0.40
Plots 4 and 9 (2022) Paving	Pavers	2	10.00	126	0.42
Plots 4 and 9 (2022) Paving	Paving Equipment	2	10.00	131	0.36
Plots 4 and 9 (2022) Paving	Plate Compactors	2	10.00	8	0.43
Plots 4 and 9 (2022) Paving	Rollers	2	10.00	81	0.38
Plots 4 and 9 (2022) Paving	Scrapers	2	10.00	362	0.48
Plots 4 and 9 (2022) Paving	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 9 (2023) Mass Excavation	Graders	2	10.00	193	0.41
Plot 9 (2023) Mass Excavation	Off-Highway Trucks	2	10.00	400	0.38
Plot 9 (2023) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40
Plot 9 (2023) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40
Plot 9 (2023) Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plot 9 (2023) Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plot 9 (2023) Mass Excavation	Rubber Tired Dozers	4	10.00	580	0.40
Plot 9 (2023) Mass Excavation	Rubber Tired Dozers	4	10.00	580	0.40
Plot 9 (2023) Mass Excavation	Rubber Tired Dozers	4	10.00	410	0.40
Plot 9 (2023) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plot 9 (2023) Mass Excavation	Rubber Tired Dozers	2	10.00	140	0.40
Plot 9 (2023) Mass Excavation	Rubber Tired Dozers	3	10.00	85	0.40
Plot 9 (2023) Mass Excavation	Scrapers	6	10.00	550	0.48

Plot 9 (2023) Mass Excavation	Scrapers	12	10.00	550	0.48
Plot 9 (2023) Mass Excavation	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 9 (2023) Finish Grading	Other Material Handling Equipment	2	1.00	167	0.40
Plot 9 (2023) Finish Grading	Other Material Handling Equipment	2	1.00	167	0.40
Plot 9 (2023) Finish Grading	Rubber Tired Dozers	2	10.00	140	0.40
Plot 9 (2023) Finish Grading	Rubber Tired Dozers	4	10.00	85	0.40
Plot 9 (2023) Finish Grading	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 9 (2023) Utilities	Cement and Mortar Mixers	8	1.00	9	0.56
Plot 9 (2023) Utilities	Excavators	2	10.00	523	0.38
Plot 9 (2023) Utilities	Excavators	10	10.00	286	0.38
Plot 9 (2023) Utilities	Excavators	2	10.00	190	0.38
Plot 9 (2023) Utilities	Excavators	4	10.00	396	0.38
Plot 9 (2023) Utilities	Excavators	2	10.00	190	0.38
Plot 9 (2023) Utilities	Excavators	2	10.00	188	0.38
Plot 9 (2023) Utilities	Excavators	8	10.00	40	0.38
Plot 9 (2023) Utilities	Forklifts	4	10.00	89	0.20
Plot 9 (2023) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 9 (2023) Utilities	Other Material Handling Equipment	18	1.00	167	0.40
Plot 9 (2023) Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 9 (2023) Utilities	Tractors/Loaders/Backhoes	8	10.00	90	0.37
Plot 9 (2023) Building-Concrete	Cement and Mortar Mixers	30	1.00	9	0.56
Plot 9 (2023) Building-Concrete	Other Material Handling Equipment	2	1.00	167	0.40
Plot 9 (2023) Building-Concrete	Pumps	2	10.00	84	0.74
Plot 9 (2023) Building-Concrete	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plot 9 (2023) Building-Wet Utilities	Excavators	2	10.00	300	0.38
Plot 9 (2023) Building-Wet Utilities	Excavators	2	10.00	179	0.38
Plot 9 (2023) Building-Wet Utilities	Excavators	2	10.00	173	0.38
Plot 9 (2023) Building-Wet Utilities	Other Material Handling Equipment	15	1.00	167	0.40
Plot 9 (2023) Building-Wet Utilities	Rubber Tired Loaders	6	10.00	152	0.36
Plot 9 (2023) Building-Wet Utilities	Tractors/Loaders/Backhoes	6	10.00	108	0.37
Plot 9 (2023) Building-Wet Utilities	Tractors/Loaders/Backhoes	4	10.00	85	0.37
Plot 9 (2023) Building-Electrical	Cement and Mortar Mixers	18	1.00	9	0.56

Plot 9 (2023) Building-Electrical	Excavators	10	10.00	40	0.38
Plot 9 (2023) Building-Electrical	Forklifts	4	10.00	89	0.20
Plot 9 (2023) Building-Electrical	Other Material Handling Equipment	6	1.00	167	0.40
Plot 9 (2023) Building-Electrical	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plot 9 (2023) Building-Landscaping	Excavators	2	10.00	29	0.38
Plot 9 (2023) Building-Landscaping	Forklifts	2	10.00	125	0.20
Plot 9 (2023) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plot 9 (2023) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plot 9 (2023) Building-Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plot 9 (2023) Building-Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plot 9 (2023) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plot 9 (2023) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plot 9 (2023) Building-Landscaping	Trenchers	2	10.00	39	0.50
Plot 9 (2023) Landscaping	Excavators	2	10.00	29	0.38
Plot 9 (2023) Landscaping	Forklifts	2	10.00	125	0.20
Plot 9 (2023) Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 9 (2023) Landscaping	Other Material Handling Equipment	10	1.00	167	0.40
Plot 9 (2023) Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plot 9 (2023) Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plot 9 (2023) Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plot 9 (2023) Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plot 9 (2023) Landscaping	Trenchers	2	10.00	39	0.50
Plot 9 (2023) Temporary Utilities	Cranes	2	10.00	445	0.29
Plot 9 (2023) Curbing/Drive Approaches	Cement and Mortar Mixers	8	1.00	9	0.56
Plot 9 (2023) Curbing/Drive Approaches	Other Material Handling Equipment	6	1.00	167	0.40
Plot 9 (2023) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plot 9 (2023) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plot 9 (2023) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plot 9 (2023) Paving	Other Material Handling Equipment	6	1.00	167	0.40
Plot 9 (2023) Paving	Pavers	2	10.00	126	0.42
Plot 9 (2023) Paving	Paving Equipment	2	10.00	131	0.36
Plot 9 (2023) Paving	Plate Compactors	2	10.00	8	0.43

Plot 9 (2023) Paving	Rollers	2	10.00	81	0.38
Plot 9 (2023) Paving	Scrapers	2	10.00	362	0.48
Plot 9 (2023) Paving	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 9 (2023) Interchange	Bore/Drill Rigs	1	10.00	206	0.50
Plot 9 (2023) Interchange	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 9 (2023) Interchange	Cranes	1	10.00	226	0.29
Plot 9 (2023) Interchange	Excavators	1	10.00	190	0.38
Plot 9 (2023) Interchange	Graders	1	10.00	259	0.41
Plot 9 (2023) Interchange	Other General Industrial Equipment	1	10.00	88	0.34
Plot 9 (2023) Interchange	Other Material Handling Equipment	4	1.00	167	0.40
Plot 9 (2023) Interchange	Rubber Tired Dozers	1	10.00	410	0.40
Plot 9 (2023) Interchange	Rubber Tired Dozers	1	10.00	140	0.40
Plot 9 (2023) Interchange	Rubber Tired Loaders	1	10.00	180	0.36
Plot 9 (2023) Interchange	Scrapers	1	10.00	330	0.48
Plot 9 (2023) Interchange	Tractors/Loaders/Backhoes	1	10.00	98	0.37
Plot 9 (2023) Interchange	Tractors/Loaders/Backhoes	1	10.00	90	0.37
Plots 9 and 1,3,20 (2024) Mass Excavation	Graders	2	10.00	193	0.41
Plots 9 and 1,3,20 (2024) Mass Excavation	Off-Highway Trucks	2	10.00	400	0.38
Plots 9 and 1,3,20 (2024) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plots 9 and 1,3,20 (2024) Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plots 9 and 1,3,20 (2024) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 9 and 1,3,20 (2024) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 9 and 1,3,20 (2024) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plots 9 and 1,3,20 (2024) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plots 9 and 1,3,20 (2024) Mass Excavation	Rubber Tired Dozers	2	10.00	140	0.40
Plots 9 and 1,3,20 (2024) Mass Excavation	Rubber Tired Dozers	3	10.00	85	0.40
Plots 9 and 1,3,20 (2024) Mass Excavation	Scrapers	6	10.00	550	0.48
Plots 9 and 1,3,20 (2024) Mass Excavation	Scrapers	12	10.00	550	0.48
Plots 9 and 1,3,20 (2024) Mass Excavation	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 9 and 1,3,20 (2024) Utilities	Cement and Mortar Mixers	8	1.00	9	0.56

Plots 9 and 1,3,20 (2024) Utilities	Excavators	2	10.00	523	0.38
Plots 9 and 1,3,20 (2024) Utilities	Excavators	10	10.00	286	0.38
Plots 9 and 1,3,20 (2024) Utilities	Excavators	2	10.00	190	0.38
Plots 9 and 1,3,20 (2024) Utilities	Excavators	4	10.00	396	0.38
Plots 9 and 1,3,20 (2024) Utilities	Excavators	2	10.00	190	0.38
Plots 9 and 1,3,20 (2024) Utilities	Excavators	2	10.00	188	0.38
Plots 9 and 1,3,20 (2024) Utilities	Excavators	8	10.00	40	0.38
Plots 9 and 1,3,20 (2024) Utilities	Forklifts	4	10.00	89	0.20
Plots 9 and 1,3,20 (2024) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Utilities	Other Material Handling Equipment	20	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 9 and 1,3,20 (2024) Utilities	Tractors/Loaders/Backhoes	8	10.00	90	0.37
Plots 9 and 1,3,20 (2024) Building-Concrete	Cement and Mortar Mixers	30	1.00	9	0.56
Plots 9 and 1,3,20 (2024) Building-Concrete	Other Material Handling Equipment	2	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Building-Concrete	Pumps	2	10.00	84	0.74
Plots 9 and 1,3,20 (2024) Building-Concrete	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Excavators	2	10.00	300	0.38
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Excavators	2	10.00	179	0.38
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Excavators	2	10.00	173	0.38
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Other Material Handling Equipment	15	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Rubber Tired Loaders	6	10.00	152	0.36
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Tractors/Loaders/Backhoes	6	10.00	108	0.37
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Tractors/Loaders/Backhoes	4	10.00	85	0.37
Plots 9 and 1,3,20 (2024) Building-Electrical	Cement and Mortar Mixers	12	1.00	9	0.56
Plots 9 and 1,3,20 (2024) Building-Electrical	Excavators	10	10.00	40	0.38
Plots 9 and 1,3,20 (2024) Building-Electrical	Forklifts	4	10.00	89	0.20
Plots 9 and 1,3,20 (2024) Building-Electrical	Other Material Handling Equipment	6	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Building-Electrical	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plots 9 and 1,3,20 (2024) Building-Landscaping	Excavators	2	10.00	29	0.38
Plots 9 and 1,3,20 (2024) Building-Landscaping	Forklifts	2	10.00	125	0.20
Plots 9 and 1,3,20 (2024) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40

Plots 9 and 1,3,20 (2024) Building-Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 9 and 1,3,20 (2024) Building-Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 9 and 1,3,20 (2024) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 9 and 1,3,20 (2024) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plots 9 and 1,3,20 (2024) Building-Landscaping	Trenchers	2	10.00	39	0.50
Plots 9 and 1,3,20 (2024) Landscaping	Excavators	2	10.00	29	0.38
Plots 9 and 1,3,20 (2024) Landscaping	Forklifts	2	10.00	125	0.20
Plots 9 and 1,3,20 (2024) Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Landscaping	Other Material Handling Equipment	10	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 9 and 1,3,20 (2024) Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 9 and 1,3,20 (2024) Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 9 and 1,3,20 (2024) Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plots 9 and 1,3,20 (2024) Landscaping	Trenchers	2	10.00	39	0.50
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	Other Material Handling Equipment	6	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	Paving Equipment	2	10.00	99	0.36
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	Paving Equipment	2	10.00	131	0.36
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	2	10.00	55	0.37
Plots 9 and 1,3,20 (2024) Temporary Utilities	Cranes	2	10.00	445	0.29
Plots 9 and 1,3,20 (2024) Interchange	Bore/Drill Rigs	1	10.00	206	0.50
Plots 9 and 1,3,20 (2024) Interchange	Cement and Mortar Mixers	4	1.00	9	0.56
Plots 9 and 1,3,20 (2024) Interchange	Cranes	1	10.00	226	0.29
Plots 9 and 1,3,20 (2024) Interchange	Excavators	1	10.00	190	0.38
Plots 9 and 1,3,20 (2024) Interchange	Graders	1	10.00	259	0.41
Plots 9 and 1,3,20 (2024) Interchange	Other General Industrial Equipment	1	10.00	88	0.34
Plots 9 and 1,3,20 (2024) Interchange	Other Material Handling Equipment	4	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Interchange	Rubber Tired Dozers	1	10.00	410	0.40
Plots 9 and 1,3,20 (2024) Interchange	Rubber Tired Dozers	1	10.00	140	0.40
Plots 9 and 1,3,20 (2024) Interchange	Rubber Tired Loaders	1	10.00	180	0.36
Plots 9 and 1,3,20 (2024) Interchange	Scrapers	1	10.00	330	0.48
Plots 9 and 1,3,20 (2024) Interchange	Tractors/Loaders/Backhoes	1	10.00	98	0.37

Plots 9 and 1,3,20 (2024) Interchange	Tractors/Loaders/Backhoes	1	10.00	90	0.37
Plots 9 and 1,3,20 (2024) Finish Grading	Other Material Handling Equipment	2	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Finish Grading	Other Material Handling Equipment	2	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plots 9 and 1,3,20 (2024) Finish Grading	Rubber Tired Dozers	4	10.00	85	0.40
Plots 9 and 1,3,20 (2024) Finish Grading	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 9 and 1,3,20 (2024) Paving	Other Material Handling Equipment	6	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Paving	Pavers	2	10.00	126	0.42
Plots 9 and 1,3,20 (2024) Paving	Paving Equipment	2	10.00	131	0.36
Plots 9 and 1,3,20 (2024) Paving	Plate Compactors	2	10.00	8	0.43
Plots 9 and 1,3,20 (2024) Paving	Rollers	2	10.00	81	0.38
Plots 9 and 1,3,20 (2024) Paving	Scrapers	2	10.00	362	0.48
Plots 9 and 1,3,20 (2024) Paving	Tractors/Loaders/Backhoes	4	10.00	90	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Plots 2 and 4 (2020) Mass Excavation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					60.4579	0.0000	60.4579	26.4779	0.0000	26.4779			0.0000			0.0000
Off-Road	44.9726	538.6955	295.8179	0.6996		20.2332	20.2332		18.6146	18.6146		67,752.2082	67,752.2082	21.9124		68,300.0191

Total	**44.9726**	**538.6955**	**295.8179**	**0.6996**	**60.4579**	**20.2332**	**80.6911**	**26.4779**	**18.6146**	**45.0925**		**67,752.2082**	**67,752.2082**	**21.9124**		**68,300.0191**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					23.5786	0.0000	23.5786	10.3264	0.0000	10.3264			0.0000			0.0000
Off-Road	44.9726	538.6955	295.8179	0.6996		20.2332	20.2332		18.6146	18.6146	0.0000	67,752.2081	67,752.2081	21.9124		68,300.0190
Total	**44.9726**	**538.6955**	**295.8179**	**0.6996**	**23.5786**	**20.2332**	**43.8118**	**10.3264**	**18.6146**	**28.9410**	**0.0000**	**67,752.2081**	**67,752.2081**	**21.9124**		**68,300.0190**

3.3 Plots 2 and 4 (2020) Finish Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					30.6366	0.0000	30.6366	16.6080	0.0000	16.6080			0.0000			0.0000
Off-Road	1.2005	11.8738	8.2372	0.0109		0.6876	0.6876		0.6326	0.6326		1,052.5112	1,052.5112	0.3404		1,061.0212
Total	**1.2005**	**11.8738**	**8.2372**	**0.0109**	**30.6366**	**0.6876**	**31.3242**	**16.6080**	**0.6326**	**17.2405**		**1,052.5112**	**1,052.5112**	**0.3404**		**1,061.0212**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Fugitive Dust					11.9483	0.0000	11.9483	6.4771	0.0000	6.4771			0.0000			0.0000
Off-Road	1.2005	11.8738	8.2372	0.0109		0.6876	0.6876		0.6326	0.6326	0.0000	1,052.5112	1,052.5112	0.3404		1,061.0212
Total	**1.2005**	**11.8738**	**8.2372**	**0.0109**	**11.9483**	**0.6876**	**12.6359**	**6.4771**	**0.6326**	**7.1097**	**0.0000**	**1,052.5112**	**1,052.5112**	**0.3404**		**1,061.0212**

3.4 Plots 2 and 4 (2020) Utilities - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	12.6739	124.5587	103.6513	0.2866		5.4480	5.4480		5.0133	5.0133		27,722.6210	27,722.6210	8.9550		27,946.4951
Total	**12.6739**	**124.5587**	**103.6513**	**0.2866**		**5.4480**	**5.4480**		**5.0133**	**5.0133**		**27,722.6210**	**27,722.6210**	**8.9550**		**27,946.4951**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	12.6739	124.5587	103.6513	0.2866		5.4480	5.4480		5.0133	5.0133	0.0000	27,722.6210	27,722.6210	8.9550		27,946.4951
Total	**12.6739**	**124.5587**	**103.6513**	**0.2866**		**5.4480**	**5.4480**		**5.0133**	**5.0133**	**0.0000**	**27,722.6210**	**27,722.6210**	**8.9550**		**27,946.4951**

3.5 Plots 2 and 4 (2020) Landscaping - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8074	33.1521	36.0541	0.0504		1.9188	1.9188		1.7653	1.7653		4,879.6100	4,879.6100	1.5782		4,919.0641
Total	**3.8074**	**33.1521**	**36.0541**	**0.0504**		**1.9188**	**1.9188**		**1.7653**	**1.7653**		**4,879.6100**	**4,879.6100**	**1.5782**		**4,919.0641**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8074	33.1521	36.0541	0.0504		1.9188	1.9188		1.7653	1.7653	0.0000	4,879.6100	4,879.6100	1.5782		4,919.0641
Total	**3.8074**	**33.1521**	**36.0541**	**0.0504**		**1.9188**	**1.9188**		**1.7653**	**1.7653**	**0.0000**	**4,879.6100**	**4,879.6100**	**1.5782**		**4,919.0641**

3.6 Plots 2 and 4 (2020) Building Concrete - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0847	18.6740	20.0845	0.0317		1.1148	1.1148		1.0692	1.0692		3,000.6663	3,000.6663	0.5391		3,014.1440

Total	**2.0847**	**18.6740**	**20.0845**	**0.0317**		**1.1148**	**1.1148**		**1.0692**	**1.0692**		**3,000.6663**	**3,000.6663**	**0.5391**		**3,014.1440**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0847	18.6740	20.0845	0.0317		1.1148	1.1148		1.0692	1.0692	0.0000	3,000.6663	3,000.6663	0.5391		3,014.1440
Total	**2.0847**	**18.6740**	**20.0845**	**0.0317**		**1.1148**	**1.1148**		**1.0692**	**1.0692**	**0.0000**	**3,000.6663**	**3,000.6663**	**0.5391**		**3,014.1440**

3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	7.9388	78.0761	78.2434	0.1387		4.1212	4.1212		3.7915	3.7915		13,431.4759	13,431.4759	4.3440		13,540.0762
Total	**7.9388**	**78.0761**	**78.2434**	**0.1387**		**4.1212**	**4.1212**		**3.7915**	**3.7915**		**13,431.4759**	**13,431.4759**	**4.3440**		**13,540.0762**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	7.9388	78.0761	78.2434	0.1387		4.1212	4.1212		3.7915	3.7915	0.0000	13,431.4759	13,431.4759	4.3440		13,540.0762
Total	**7.9388**	**78.0761**	**78.2434**	**0.1387**		**4.1212**	**4.1212**		**3.7915**	**3.7915**	**0.0000**	**13,431.4759**	**13,431.4759**	**4.3440**		**13,540.0762**

3.8 Plots 2 and 4 (2020) Building-Electrical - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8273	24.4847	25.9283	0.0350		1.5316	1.5316		1.4114	1.4114		3,357.9717	3,357.9717	1.0639		3,384.5679
Total	**2.8273**	**24.4847**	**25.9283**	**0.0350**		**1.5316**	**1.5316**		**1.4114**	**1.4114**		**3,357.9717**	**3,357.9717**	**1.0639**		**3,384.5679**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8273	24.4847	25.9283	0.0350		1.5316	1.5316		1.4114	1.4114	0.0000	3,357.9717	3,357.9717	1.0639		3,384.5679
Total	**2.8273**	**24.4847**	**25.9283**	**0.0350**		**1.5316**	**1.5316**		**1.4114**	**1.4114**	**0.0000**	**3,357.9717**	**3,357.9717**	**1.0639**		**3,384.5679**

3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8243	21.9777	15.1378	0.0278		0.8809	0.8809		0.8105	0.8105		2,688.9163	2,688.9163	0.8697		2,710.6576
Total	**1.8243**	**21.9777**	**15.1378**	**0.0278**		**0.8809**	**0.8809**		**0.8105**	**0.8105**		**2,688.9163**	**2,688.9163**	**0.8697**		**2,710.6576**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8243	21.9777	15.1378	0.0278		0.8809	0.8809		0.8105	0.8105	0.0000	2,688.9163	2,688.9163	0.8697		2,710.6576
Total	**1.8243**	**21.9777**	**15.1378**	**0.0278**		**0.8809**	**0.8809**		**0.8105**	**0.8105**	**0.0000**	**2,688.9163**	**2,688.9163**	**0.8697**		**2,710.6576**

3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	3.3620	28.9700	30.4504	0.0418		1.7102	1.7102		1.5733	1.5733		4,045.0920	4,045.0920	1.3083		4,077.7986
Total	**3.3620**	**28.9700**	**30.4504**	**0.0418**		**1.7102**	**1.7102**		**1.5733**	**1.5733**		**4,045.0920**	**4,045.0920**	**1.3083**		**4,077.7986**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3620	28.9700	30.4504	0.0418		1.7102	1.7102		1.5733	1.5733	0.0000	4,045.0920	4,045.0920	1.3083		4,077.7986
Total	**3.3620**	**28.9700**	**30.4504**	**0.0418**		**1.7102**	**1.7102**		**1.5733**	**1.5733**	**0.0000**	**4,045.0920**	**4,045.0920**	**1.3083**		**4,077.7986**

3.11 Plots 2 and 4 (2020) Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.4214	58.8557	50.3997	0.0854		2.8092	2.8092		2.5864	2.5864		8,241.4600	8,241.4600	2.6465		8,307.6231
Paving	1.2360					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**6.6574**	**58.8557**	**50.3997**	**0.0854**		**2.8092**	**2.8092**		**2.5864**	**2.5864**		**8,241.4600**	**8,241.4600**	**2.6465**		**8,307.6231**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.4214	58.8557	50.3997	0.0854		2.8092	2.8092		2.5864	2.5864	0.0000	8,241.4599	8,241.4599	2.6465		8,307.6231
Paving	1.2360					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**6.6574**	**58.8557**	**50.3997**	**0.0854**		**2.8092**	**2.8092**		**2.5864**	**2.5864**	**0.0000**	**8,241.4599**	**8,241.4599**	**2.6465**		**8,307.6231**

3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9253	8.8813	9.7503	0.0147		0.5120	0.5120		0.4722	0.4722		1,403.1911	1,403.1911	0.4427		1,414.2593
Paving	1.2360					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.1613**	**8.8813**	**9.7503**	**0.0147**		**0.5120**	**0.5120**		**0.4722**	**0.4722**		**1,403.1911**	**1,403.1911**	**0.4427**		**1,414.2593**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9253	8.8813	9.7503	0.0147		0.5120	0.5120		0.4722	0.4722	0.0000	1,403.1911	1,403.1911	0.4427		1,414.2593
Paving	1.2360					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	**2.1613**	**8.8813**	**9.7503**	**0.0147**		**0.5120**	**0.5120**		**0.4722**	**0.4722**	**0.0000**	**1,403.1911**	**1,403.1911**	**0.4427**		**1,414.2593**

3.13 Plot 4 (2021) Mass Excavation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					53.3830	0.0000	53.3830	22.3890	0.0000	22.3890			0.0000			0.0000
Off-Road	56.3594	659.0033	371.1338	0.8732		25.0454	25.0454		23.0418	23.0418		84,565.4129	84,565.4129	27.3502		85,249.1670
Total	**56.3594**	**659.0033**	**371.1338**	**0.8732**	**53.3830**	**25.0454**	**78.4284**	**22.3890**	**23.0418**	**45.4308**		**84,565.4129**	**84,565.4129**	**27.3502**		**85,249.1670**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					20.8194	0.0000	20.8194	8.7317	0.0000	8.7317			0.0000			0.0000
Off-Road	56.3594	659.0033	371.1338	0.8732		25.0454	25.0454		23.0418	23.0418	0.0000	84,565.4128	84,565.4128	27.3502		85,249.1670
Total	**56.3594**	**659.0033**	**371.1338**	**0.8732**	**20.8194**	**25.0454**	**45.8648**	**8.7317**	**23.0418**	**31.7735**	**0.0000**	**84,565.4128**	**84,565.4128**	**27.3502**		**85,249.1670**

3.14 Plot 4 (2021) Finish Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Fugitive Dust					30.6387	0.0000	30.6387	16.6082	0.0000	16.6082			0.0000			0.0000
Off-Road	1.1317	11.1215	8.1681	0.0109		0.6330	0.6330		0.5823	0.5823		1,052.6102	1,052.6102	0.3404		1,061.1210
Total	**1.1317**	**11.1215**	**8.1681**	**0.0109**	**30.6387**	**0.6330**	**31.2716**	**16.6082**	**0.5823**	**17.1905**		**1,052.6102**	**1,052.6102**	**0.3404**		**1,061.1210**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					11.9491	0.0000	11.9491	6.4772	0.0000	6.4772			0.0000			0.0000
Off-Road	1.1317	11.1215	8.1681	0.0109		0.6330	0.6330		0.5823	0.5823	0.0000	1,052.6102	1,052.6102	0.3404		1,061.1210
Total	**1.1317**	**11.1215**	**8.1681**	**0.0109**	**11.9491**	**0.6330**	**12.5820**	**6.4772**	**0.5823**	**7.0595**	**0.0000**	**1,052.6102**	**1,052.6102**	**0.3404**		**1,061.1210**

3.15 Plot 4 (2021) Utilities - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	13.6333	127.1106	117.3408	0.3468		5.3405	5.3405		4.9144	4.9144		33,546.6471	33,546.6471	10.8386		33,817.6114
Total	**13.6333**	**127.1106**	**117.3408**	**0.3468**		**5.3405**	**5.3405**		**4.9144**	**4.9144**		**33,546.6471**	**33,546.6471**	**10.8386**		**33,817.6114**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	13.6333	127.1106	117.3408	0.3468		5.3405	5.3405		4.9144	4.9144	0.0000	33,546.6471	33,546.6471	10.8386		33,817.6114
Total	**13.6333**	**127.1106**	**117.3408**	**0.3468**		**5.3405**	**5.3405**		**4.9144**	**4.9144**	**0.0000**	**33,546.6471**	**33,546.6471**	**10.8386**		**33,817.6114**

3.16 Plot 4 (2021) Building-Concrete - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4167	32.0548	37.6635	0.0566		1.8275	1.8275		1.7212	1.7212		5,375.9321	5,375.9321	1.2783		5,407.8895
Total	**3.4167**	**32.0548**	**37.6635**	**0.0566**		**1.8275**	**1.8275**		**1.7212**	**1.7212**		**5,375.9321**	**5,375.9321**	**1.2783**		**5,407.8895**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4167	32.0548	37.6635	0.0566		1.8275	1.8275		1.7212	1.7212	0.0000	5,375.9321	5,375.9321	1.2783		5,407.8895

Total	**3.4167**	**32.0548**	**37.6635**	**0.0566**		**1.8275**	**1.8275**		**1.7212**	**1.7212**	**0.0000**	**5,375.9321**	**5,375.9321**	**1.2783**		**5,407.8895**

3.17 Plot 4 (2021) Building-Wet Utilities - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	7.4953	71.6265	80.5260	0.1424		3.7081	3.7081		3.4115	3.4115		13,785.4390	13,785.4390	4.4585		13,896.9013
Total	**7.4953**	**71.6265**	**80.5260**	**0.1424**		**3.7081**	**3.7081**		**3.4115**	**3.4115**		**13,785.4390**	**13,785.4390**	**4.4585**		**13,896.9013**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	7.4953	71.6265	80.5260	0.1424		3.7081	3.7081		3.4115	3.4115	0.0000	13,785.4390	13,785.4390	4.4585		13,896.9013
Total	**7.4953**	**71.6265**	**80.5260**	**0.1424**		**3.7081**	**3.7081**		**3.4115**	**3.4115**	**0.0000**	**13,785.4390**	**13,785.4390**	**4.4585**		**13,896.9013**

3.18 Plot 4 (2021) Building-Electrical - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.0553	43.8279	50.5202	0.0678		2.5233	2.5233		2.3240	2.3240		6,521.4488	6,521.4488	2.0842		6,573.5541
Total	**5.0553**	**43.8279**	**50.5202**	**0.0678**		**2.5233**	**2.5233**		**2.3240**	**2.3240**		**6,521.4488**	**6,521.4488**	**2.0842**		**6,573.5541**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.0553	43.8279	50.5202	0.0678		2.5233	2.5233		2.3240	2.3240	0.0000	6,521.4488	6,521.4488	2.0842		6,573.5541
Total	**5.0553**	**43.8279**	**50.5202**	**0.0678**		**2.5233**	**2.5233**		**2.3240**	**2.3240**	**0.0000**	**6,521.4488**	**6,521.4488**	**2.0842**		**6,573.5541**

3.19 Plot 4 (2021) Building-Landscaping - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3130	28.6908	33.4533	0.0468		1.6052	1.6052		1.4768	1.4768		4,532.1064	4,532.1064	1.4658		4,568.7508
Total	**3.3130**	**28.6908**	**33.4533**	**0.0468**		**1.6052**	**1.6052**		**1.4768**	**1.4768**		**4,532.1064**	**4,532.1064**	**1.4658**		**4,568.7508**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3130	28.6908	33.4533	0.0468		1.6052	1.6052		1.4768	1.4768	0.0000	4,532.1064	4,532.1064	1.4658		4,568.7508
Total	**3.3130**	**28.6908**	**33.4533**	**0.0468**		**1.6052**	**1.6052**		**1.4768**	**1.4768**	**0.0000**	**4,532.1064**	**4,532.1064**	**1.4658**		**4,568.7508**

3.20 Plot 4 (2021) Landscaping - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4962	30.3448	35.8069	0.0504		1.6890	1.6890		1.5539	1.5539		4,879.8222	4,879.8222	1.5782		4,919.2781
Total	**3.4962**	**30.3448**	**35.8069**	**0.0504**		**1.6890**	**1.6890**		**1.5539**	**1.5539**		**4,879.8222**	**4,879.8222**	**1.5782**		**4,919.2781**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	3.4962	30.3448	35.8069	0.0504		1.6890	1.6890		1.5539	1.5539	0.0000	4,879.8222	4,879.8222	1.5782		4,919.2781
Total	**3.4962**	**30.3448**	**35.8069**	**0.0504**		**1.6890**	**1.6890**		**1.5539**	**1.5539**	**0.0000**	**4,879.8222**	**4,879.8222**	**1.5782**		**4,919.2781**

3.21 Plot 4 (2021) Temporary Utilities - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6806	19.5885	13.9313	0.0278		0.7881	0.7881		0.7251	0.7251		2,688.3326	2,688.3326	0.8695		2,710.0691
Total	**1.6806**	**19.5885**	**13.9313**	**0.0278**		**0.7881**	**0.7881**		**0.7251**	**0.7251**		**2,688.3326**	**2,688.3326**	**0.8695**		**2,710.0691**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6806	19.5885	13.9313	0.0278		0.7881	0.7881		0.7251	0.7251	0.0000	2,688.3326	2,688.3326	0.8695		2,710.0691
Total	**1.6806**	**19.5885**	**13.9313**	**0.0278**		**0.7881**	**0.7881**		**0.7251**	**0.7251**	**0.0000**	**2,688.3326**	**2,688.3326**	**0.8695**		**2,710.0691**

3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8553	8.1534	9.7382	0.0147		0.4515	0.4515		0.4165	0.4165		1,403.1124	1,403.1124	0.4427		1,414.1800
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0960**	**8.1534**	**9.7382**	**0.0147**		**0.4515**	**0.4515**		**0.4165**	**0.4165**		**1,403.1124**	**1,403.1124**	**0.4427**		**1,414.1800**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8553	8.1534	9.7382	0.0147		0.4515	0.4515		0.4165	0.4165	0.0000	1,403.1124	1,403.1124	0.4427		1,414.1800
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0960**	**8.1534**	**9.7382**	**0.0147**		**0.4515**	**0.4515**		**0.4165**	**0.4165**	**0.0000**	**1,403.1124**	**1,403.1124**	**0.4427**		**1,414.1800**

3.23 Plot 4 (2021) Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.0337	53.7732	49.2131	0.0855		2.5096	2.5096		2.3108	2.3108		8,243.6459	8,243.6459	2.6472		8,309.8267
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	**6.2744**	**53.7732**	**49.2131**	**0.0855**		**2.5096**	**2.5096**		**2.3108**	**2.3108**		**8,243.6459**	**8,243.6459**	**2.6472**		**8,309.8267**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.0337	53.7732	49.2131	0.0855		2.5096	2.5096		2.3108	2.3108	0.0000	8,243.6459	8,243.6459	2.6472		8,309.8267
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**6.2744**	**53.7732**	**49.2131**	**0.0855**		**2.5096**	**2.5096**		**2.3108**	**2.3108**	**0.0000**	**8,243.6459**	**8,243.6459**	**2.6472**		**8,309.8267**

3.24 Plots 4 and 9 (2022) Mass Excavation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					95.8028	0.0000	95.8028	40.2693	0.0000	40.2693			0.0000			0.0000
Off-Road	58.8805	678.4038	391.1420	0.9405		25.7114	25.7114		23.6545	23.6545		91,086.3418	91,086.3418	29.4592		91,822.8210
Total	**58.8805**	**678.4038**	**391.1420**	**0.9405**	**95.8028**	**25.7114**	**121.5142**	**40.2693**	**23.6545**	**63.9238**		**91,086.3418**	**91,086.3418**	**29.4592**		**91,822.8210**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Fugitive Dust					37.3631	0.0000	37.3631	15.7050	0.0000	15.7050			0.0000			0.0000
Off-Road	58.8805	678.4038	391.1420	0.9405		25.7114	25.7114		23.6545	23.6545	0.0000	91,086.3417	91,086.3417	29.4592		91,822.8209
Total	**58.8805**	**678.4038**	**391.1420**	**0.9405**	**37.3631**	**25.7114**	**63.0745**	**15.7050**	**23.6545**	**39.3595**	**0.0000**	**91,086.3417**	**91,086.3417**	**29.4592**		**91,822.8209**

3.25 Plots 4 and 9 (2022) Finish Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					46.2262	0.0000	46.2262	24.9412	0.0000	24.9412			0.0000			0.0000
Off-Road	3.6681	36.5324	33.6839	0.0489		1.9698	1.9698		1.8122	1.8122		4,734.7935	4,734.7935	1.5313		4,773.0767
Total	**3.6681**	**36.5324**	**33.6839**	**0.0489**	**46.2262**	**1.9698**	**48.1959**	**24.9412**	**1.8122**	**26.7534**		**4,734.7935**	**4,734.7935**	**1.5313**		**4,773.0767**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0282	0.0000	18.0282	9.7271	0.0000	9.7271			0.0000			0.0000
Off-Road	3.6681	36.5324	33.6839	0.0489		1.9698	1.9698		1.8122	1.8122	0.0000	4,734.7935	4,734.7935	1.5313		4,773.0767
Total	**3.6681**	**36.5324**	**33.6839**	**0.0489**	**18.0282**	**1.9698**	**19.9980**	**9.7271**	**1.8122**	**11.5393**	**0.0000**	**4,734.7935**	**4,734.7935**	**1.5313**		**4,773.0767**

3.26 Plots 4 and 9 (2022) Utilities - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	12.1504	105.2125	115.2854	0.3469		4.3467	4.3467		4.0002	4.0002		33,554.3569	33,554.3569	10.8411		33,825.3836
Total	**12.1504**	**105.2125**	**115.2854**	**0.3469**		**4.3467**	**4.3467**		**4.0002**	**4.0002**		**33,554.3569**	**33,554.3569**	**10.8411**		**33,825.3836**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	12.1504	105.2125	115.2854	0.3469		4.3467	4.3467		4.0002	4.0002	0.0000	33,554.3569	33,554.3569	10.8411		33,825.3835
Total	**12.1504**	**105.2125**	**115.2854**	**0.3469**		**4.3467**	**4.3467**		**4.0002**	**4.0002**	**0.0000**	**33,554.3569**	**33,554.3569**	**10.8411**		**33,825.3835**

3.27 Plots 4 and 9 (2022) Building-Concrete - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0769	28.7945	37.3773	0.0566		1.5183	1.5183		1.4323	1.4323		5,379.8596	5,379.8596	1.2741		5,411.7117

Total	**3.0769**	**28.7945**	**37.3773**	**0.0566**		**1.5183**	**1.5183**		**1.4323**	**1.4323**		**5,379.8596**	**5,379.8596**	**1.2741**		**5,411.7117**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0769	28.7945	37.3773	0.0566		1.5183	1.5183		1.4323	1.4323	0.0000	5,379.8596	5,379.8596	1.2741		5,411.7117
Total	**3.0769**	**28.7945**	**37.3773**	**0.0566**		**1.5183**	**1.5183**		**1.4323**	**1.4323**	**0.0000**	**5,379.8596**	**5,379.8596**	**1.2741**		**5,411.7117**

3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.3724	57.9928	76.9293	0.1388		2.8986	2.8986		2.6667	2.6667		13,432.6463	13,432.6463	4.3444		13,541.2560
Total	**6.3724**	**57.9928**	**76.9293**	**0.1388**		**2.8986**	**2.8986**		**2.6667**	**2.6667**		**13,432.6463**	**13,432.6463**	**4.3444**		**13,541.2560**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.3724	57.9928	76.9293	0.1388		2.8986	2.8986		2.6667	2.6667	0.0000	13,432.6462	13,432.6462	4.3444		13,541.2560
Total	**6.3724**	**57.9928**	**76.9293**	**0.1388**		**2.8986**	**2.8986**		**2.6667**	**2.6667**	**0.0000**	**13,432.6462**	**13,432.6462**	**4.3444**		**13,541.2560**

3.29 Plots 4 and 9 (2022) Building-Electrical - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.4114	39.6104	49.5450	0.0678		2.0526	2.0526		1.8910	1.8910		6,525.6116	6,525.6116	2.0856		6,577.7504
Total	**4.4114**	**39.6104**	**49.5450**	**0.0678**		**2.0526**	**2.0526**		**1.8910**	**1.8910**		**6,525.6116**	**6,525.6116**	**2.0856**		**6,577.7504**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.4114	39.6104	49.5450	0.0678		2.0526	2.0526		1.8910	1.8910	0.0000	6,525.6116	6,525.6116	2.0856		6,577.7504
Total	**4.4114**	**39.6104**	**49.5450**	**0.0678**		**2.0526**	**2.0526**		**1.8910**	**1.8910**	**0.0000**	**6,525.6116**	**6,525.6116**	**2.0856**		**6,577.7504**

3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9427	25.3742	33.4286	0.0475		1.3449	1.3449		1.2373	1.2373		4,603.1600	4,603.1600	1.4888		4,640.3789
Total	**2.9427**	**25.3742**	**33.4286**	**0.0475**		**1.3449**	**1.3449**		**1.2373**	**1.2373**		**4,603.1600**	**4,603.1600**	**1.4888**		**4,640.3789**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9427	25.3742	33.4286	0.0475		1.3449	1.3449		1.2373	1.2373	0.0000	4,603.1600	4,603.1600	1.4888		4,640.3789
Total	**2.9427**	**25.3742**	**33.4286**	**0.0475**		**1.3449**	**1.3449**		**1.2373**	**1.2373**	**0.0000**	**4,603.1600**	**4,603.1600**	**1.4888**		**4,640.3789**

3.31 Plots 4 and 9 (2022) Landscaping - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	3.0756	26.4898	35.2995	0.0504		1.4054	1.4054		1.2930	1.2930		4,881.3326	4,881.3326	1.5787		4,920.8007
Total	**3.0756**	**26.4898**	**35.2995**	**0.0504**		**1.4054**	**1.4054**		**1.2930**	**1.2930**		**4,881.3326**	**4,881.3326**	**1.5787**		**4,920.8007**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0756	26.4898	35.2995	0.0504		1.4054	1.4054		1.2930	1.2930	0.0000	4,881.3326	4,881.3326	1.5787		4,920.8007
Total	**3.0756**	**26.4898**	**35.2995**	**0.0504**		**1.4054**	**1.4054**		**1.2930**	**1.2930**	**0.0000**	**4,881.3326**	**4,881.3326**	**1.5787**		**4,920.8007**

3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4846	16.4655	12.5866	0.0278		0.6674	0.6674		0.6140	0.6140		2,686.7697	2,686.7697	0.8690		2,708.4936
Total	**1.4846**	**16.4655**	**12.5866**	**0.0278**		**0.6674**	**0.6674**		**0.6140**	**0.6140**		**2,686.7697**	**2,686.7697**	**0.8690**		**2,708.4936**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4846	16.4655	12.5866	0.0278		0.6674	0.6674		0.6140	0.6140	0.0000	2,686.7697	2,686.7697	0.8690		2,708.4936
Total	**1.4846**	**16.4655**	**12.5866**	**0.0278**		**0.6674**	**0.6674**		**0.6140**	**0.6140**	**0.0000**	**2,686.7697**	**2,686.7697**	**0.8690**		**2,708.4936**

3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7617	7.1840	9.6746	0.0147		0.3783	0.3783		0.3491	0.3491		1,403.5467	1,403.5467	0.4428		1,414.6177
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0072**	**7.1840**	**9.6746**	**0.0147**		**0.3783**	**0.3783**		**0.3491**	**0.3491**		**1,403.5467**	**1,403.5467**	**0.4428**		**1,414.6177**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7617	7.1840	9.6746	0.0147		0.3783	0.3783		0.3491	0.3491	0.0000	1,403.5467	1,403.5467	0.4428		1,414.6177
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	**2.0072**	**7.1840**	**9.6746**	**0.0147**		**0.3783**	**0.3783**		**0.3491**	**0.3491**	**0.0000**	**1,403.5467**	**1,403.5467**	**0.4428**		**1,414.6177**

3.34 Plots 4 and 9 (2022) Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.4484	45.8951	47.4508	0.0856		2.0979	2.0979		1.9321	1.9321		8,251.6397	8,251.6397	2.6498		8,317.8851
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**5.6939**	**45.8951**	**47.4508**	**0.0856**		**2.0979**	**2.0979**		**1.9321**	**1.9321**		**8,251.6397**	**8,251.6397**	**2.6498**		**8,317.8851**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.4484	45.8951	47.4508	0.0856		2.0979	2.0979		1.9321	1.9321	0.0000	8,251.6397	8,251.6397	2.6498		8,317.8851
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**5.6939**	**45.8951**	**47.4508**	**0.0856**		**2.0979**	**2.0979**		**1.9321**	**1.9321**	**0.0000**	**8,251.6397**	**8,251.6397**	**2.6498**		**8,317.8851**

3.35 Plot 9 (2023) Mass Excavation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Fugitive Dust					115.5792	0.0000	115.5792	45.7296	0.0000	45.7296			0.0000			0.0000
Off-Road	52.5063	584.6327	359.1629	0.8707		22.4056	22.4056		20.6131	20.6131		84,317.1078	84,317.1078	27.2699		84,998.8543
Total	**52.5063**	**584.6327**	**359.1629**	**0.8707**	**115.5792**	**22.4056**	**137.9847**	**45.7296**	**20.6131**	**66.3428**		**84,317.1078**	**84,317.1078**	**27.2699**		**84,998.8543**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					45.0759	0.0000	45.0759	17.8346	0.0000	17.8346			0.0000			0.0000
Off-Road	52.5063	584.6327	359.1629	0.8707		22.4056	22.4056		20.6131	20.6131	0.0000	84,317.1077	84,317.1077	27.2699		84,998.8543
Total	**52.5063**	**584.6327**	**359.1629**	**0.8707**	**45.0759**	**22.4056**	**67.4815**	**17.8346**	**20.6131**	**38.4477**	**0.0000**	**84,317.1077**	**84,317.1077**	**27.2699**		**84,998.8543**

3.36 Plot 9 (2023) Finish Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					46.7564	0.0000	46.7564	24.9985	0.0000	24.9985			0.0000			0.0000
Off-Road	1.9119	18.3729	16.0559	0.0218		1.0024	1.0024		0.9222	0.9222		2,108.9883	2,108.9883	0.6821		2,126.0405
Total	**1.9119**	**18.3729**	**16.0559**	**0.0218**	**46.7564**	**1.0024**	**47.7588**	**24.9985**	**0.9222**	**25.9207**		**2,108.9883**	**2,108.9883**	**0.6821**		**2,126.0405**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.2350	0.0000	18.2350	9.7494	0.0000	9.7494			0.0000			0.0000
Off-Road	1.9119	18.3729	16.0559	0.0218		1.0024	1.0024		0.9222	0.9222	0.0000	2,108.9882	2,108.9882	0.6821		2,126.0405
Total	**1.9119**	**18.3729**	**16.0559**	**0.0218**	**18.2350**	**1.0024**	**19.2374**	**9.7494**	**0.9222**	**10.6716**	**0.0000**	**2,108.9882**	**2,108.9882**	**0.6821**		**2,126.0405**

3.37 Plot 9 (2023) Utilities - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	11.4983	94.1000	114.5298	0.3470		3.7935	3.7935		3.4912	3.4912		33,561.1508	33,561.1508	10.8433		33,832.2324
Total	**11.4983**	**94.1000**	**114.5298**	**0.3470**		**3.7935**	**3.7935**		**3.4912**	**3.4912**		**33,561.1508**	**33,561.1508**	**10.8433**		**33,832.2324**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	11.4983	94.1000	114.5298	0.3470		3.7935	3.7935		3.4912	3.4912	0.0000	33,561.1508	33,561.1508	10.8433		33,832.2323

Total	**11.4983**	**94.1000**	**114.5298**	**0.3470**		**3.7935**	**3.7935**		**3.4912**	**3.4912**	**0.0000**	**33,561.1508**	**33,561.1508**	**10.8433**		**33,832.2323**

3.38 Plot 9 (2023) Building-Concrete - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8592	26.5946	37.2821	0.0567		1.2983	1.2983		1.2257	1.2257		5,383.7745	5,383.7745	1.2671		5,415.4526
Total	**2.8592**	**26.5946**	**37.2821**	**0.0567**		**1.2983**	**1.2983**		**1.2257**	**1.2257**		**5,383.7745**	**5,383.7745**	**1.2671**		**5,415.4526**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8592	26.5946	37.2821	0.0567		1.2983	1.2983		1.2257	1.2257	0.0000	5,383.7745	5,383.7745	1.2671		5,415.4526
Total	**2.8592**	**26.5946**	**37.2821**	**0.0567**		**1.2983**	**1.2983**		**1.2257**	**1.2257**	**0.0000**	**5,383.7745**	**5,383.7745**	**1.2671**		**5,415.4526**

3.39 Plot 9 (2023) Building-Wet Utilities - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.9105	51.7097	76.7094	0.1388		2.5035	2.5035		2.3033	2.3033		13,436.6704	13,436.6704	4.3457		13,545.3127
Total	**5.9105**	**51.7097**	**76.7094**	**0.1388**		**2.5035**	**2.5035**		**2.3033**	**2.3033**		**13,436.6704**	**13,436.6704**	**4.3457**		**13,545.3127**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.9105	51.7097	76.7094	0.1388		2.5035	2.5035		2.3033	2.3033	0.0000	13,436.6704	13,436.6704	4.3457		13,545.3127
Total	**5.9105**	**51.7097**	**76.7094**	**0.1388**		**2.5035**	**2.5035**		**2.3033**	**2.3033**	**0.0000**	**13,436.6704**	**13,436.6704**	**4.3457**		**13,545.3127**

3.40 Plot 9 (2023) Building-Electrical - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.1005	37.0427	49.2861	0.0679		1.7599	1.7599		1.6217	1.6217		6,529.4653	6,529.4653	2.0868		6,581.6354
Total	**4.1005**	**37.0427**	**49.2861**	**0.0679**		**1.7599**	**1.7599**		**1.6217**	**1.6217**		**6,529.4653**	**6,529.4653**	**2.0868**		**6,581.6354**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.1005	37.0427	49.2861	0.0679		1.7599	1.7599		1.6217	1.6217	0.0000	6,529.4653	6,529.4653	2.0868		6,581.6354
Total	**4.1005**	**37.0427**	**49.2861**	**0.0679**		**1.7599**	**1.7599**		**1.6217**	**1.6217**	**0.0000**	**6,529.4653**	**6,529.4653**	**2.0868**		**6,581.6354**

3.41 Plot 9 (2023) Building-Landscaping - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6931	23.0269	33.1429	0.0476		1.1424	1.1424		1.0510	1.0510		4,604.1445	4,604.1445	1.4891		4,641.3714
Total	**2.6931**	**23.0269**	**33.1429**	**0.0476**		**1.1424**	**1.1424**		**1.0510**	**1.0510**		**4,604.1445**	**4,604.1445**	**1.4891**		**4,641.3714**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	2.6931	23.0269	33.1429	0.0476		1.1424	1.1424		1.0510	1.0510	0.0000	4,604.1445	4,604.1445	1.4891		4,641.3714
Total	**2.6931**	**23.0269**	**33.1429**	**0.0476**		**1.1424**	**1.1424**		**1.0510**	**1.0510**	**0.0000**	**4,604.1445**	**4,604.1445**	**1.4891**		**4,641.3714**

3.42 Plot 9 (2023) Interchange - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.8807	57.3493	45.9707	0.0991		2.5199	2.5199		2.3189	2.3189		9,590.6436	9,590.6436	3.0963		9,668.0502
Total	**5.8807**	**57.3493**	**45.9707**	**0.0991**		**2.5199**	**2.5199**		**2.3189**	**2.3189**		**9,590.6436**	**9,590.6436**	**3.0963**		**9,668.0502**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.8807	57.3493	45.9707	0.0991		2.5199	2.5199		2.3189	2.3189	0.0000	9,590.6436	9,590.6436	3.0963		9,668.0502
Total	**5.8807**	**57.3493**	**45.9707**	**0.0991**		**2.5199**	**2.5199**		**2.3189**	**2.3189**	**0.0000**	**9,590.6436**	**9,590.6436**	**3.0963**		**9,668.0502**

3.43 Plot 9 (2023) Landscaping - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8208	24.0690	35.0106	0.0504		1.1989	1.1989		1.1030	1.1030		4,882.3172	4,882.3172	1.5790		4,921.7932
Total	**2.8208**	**24.0690**	**35.0106**	**0.0504**		**1.1989**	**1.1989**		**1.1030**	**1.1030**		**4,882.3172**	**4,882.3172**	**1.5790**		**4,921.7932**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8208	24.0690	35.0106	0.0504		1.1989	1.1989		1.1030	1.1030	0.0000	4,882.3172	4,882.3172	1.5790		4,921.7932
Total	**2.8208**	**24.0690**	**35.0106**	**0.0504**		**1.1989**	**1.1989**		**1.1030**	**1.1030**	**0.0000**	**4,882.3172**	**4,882.3172**	**1.5790**		**4,921.7932**

3.44 Plot 9 (2023) Temporary Utilities - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3445	14.2851	11.4372	0.0278		0.5778	0.5778		0.5316	0.5316		2,687.4145	2,687.4145	0.8692		2,709.1436

Total	**1.3445**	**14.2851**	**11.4372**	**0.0278**		**0.5778**	**0.5778**		**0.5316**	**0.5316**		**2,687.4145**	**2,687.4145**	**0.8692**		**2,709.1436**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3445	14.2851	11.4372	0.0278		0.5778	0.5778		0.5316	0.5316	0.0000	2,687.4145	2,687.4145	0.8692		2,709.1436
Total	**1.3445**	**14.2851**	**11.4372**	**0.0278**		**0.5778**	**0.5778**		**0.5316**	**0.5316**	**0.0000**	**2,687.4145**	**2,687.4145**	**0.8692**		**2,709.1436**

3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7882	7.2374	10.6158	0.0161		0.3693	0.3693		0.3409	0.3409		1,542.8545	1,542.8545	0.4879		1,555.0519
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0337**	**7.2374**	**10.6158**	**0.0161**		**0.3693**	**0.3693**		**0.3409**	**0.3409**		**1,542.8545**	**1,542.8545**	**0.4879**		**1,555.0519**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7882	7.2374	10.6158	0.0161		0.3693	0.3693		0.3409	0.3409	0.0000	1,542.8545	1,542.8545	0.4879		1,555.0519
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0337**	**7.2374**	**10.6158**	**0.0161**		**0.3693**	**0.3693**		**0.3409**	**0.3409**	**0.0000**	**1,542.8545**	**1,542.8545**	**0.4879**		**1,555.0519**

3.46 Plot 9 (2023) Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.2119	42.3567	46.8307	0.0856		1.8940	1.8940		1.7444	1.7444		8,252.7065	8,252.7065	2.6502		8,318.9606
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**5.4575**	**42.3567**	**46.8307**	**0.0856**		**1.8940**	**1.8940**		**1.7444**	**1.7444**		**8,252.7065**	**8,252.7065**	**2.6502**		**8,318.9606**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.2119	42.3567	46.8307	0.0856		1.8940	1.8940		1.7444	1.7444	0.0000	8,252.7065	8,252.7065	2.6502		8,318.9606
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**5.4575**	**42.3567**	**46.8307**	**0.0856**		**1.8940**	**1.8940**		**1.7444**	**1.7444**	**0.0000**	**8,252.7065**	**8,252.7065**	**2.6502**		**8,318.9606**

3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					71.1438	0.0000	71.1438	27.6317	0.0000	27.6317			0.0000			0.0000
Off-Road	39.2161	415.1450	271.5048	0.7352		15.8902	15.8902		14.6189	14.6189		71,185.2054	71,185.2054	23.0227		71,760.7738
Total	**39.2161**	**415.1450**	**271.5048**	**0.7352**	**71.1438**	**15.8902**	**87.0340**	**27.6317**	**14.6189**	**42.2507**		**71,185.2054**	**71,185.2054**	**23.0227**		**71,760.7738**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					27.7461	0.0000	27.7461	10.7764	0.0000	10.7764			0.0000			0.0000
Off-Road	39.2161	415.1450	271.5048	0.7352		15.8902	15.8902		14.6189	14.6189	0.0000	71,185.2053	71,185.2053	23.0227		71,760.7738
Total	**39.2161**	**415.1450**	**271.5048**	**0.7352**	**27.7461**	**15.8902**	**43.6363**	**10.7764**	**14.6189**	**25.3953**	**0.0000**	**71,185.2053**	**71,185.2053**	**23.0227**		**71,760.7738**

3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					38.6904	0.0000	38.6904	20.8026	0.0000	20.8026			0.0000			0.0000
Off-Road	1.0953	10.3287	11.3350	0.0157		0.5424	0.5424		0.4990	0.4990		1,523.8555	1,523.8555	0.4929		1,536.1766
Total	**1.0953**	**10.3287**	**11.3350**	**0.0157**	**38.6904**	**0.5424**	**39.2328**	**20.8026**	**0.4990**	**21.3016**		**1,523.8555**	**1,523.8555**	**0.4929**		**1,536.1766**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					15.0893	0.0000	15.0893	8.1130	0.0000	8.1130			0.0000			0.0000
Off-Road	1.0953	10.3287	11.3350	0.0157		0.5424	0.5424		0.4990	0.4990	0.0000	1,523.8555	1,523.8555	0.4929		1,536.1766
Total	**1.0953**	**10.3287**	**11.3350**	**0.0157**	**15.0893**	**0.5424**	**15.6317**	**8.1130**	**0.4990**	**8.6120**	**0.0000**	**1,523.8555**	**1,523.8555**	**0.4929**		**1,536.1766**

3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	11.2313	88.7322	115.5765	0.3484		3.4801	3.4801		3.2028	3.2028		33,699.1605	33,699.1605	10.8879		33,971.3580
Total	**11.2313**	**88.7322**	**115.5765**	**0.3484**		**3.4801**	**3.4801**		**3.2028**	**3.2028**		**33,699.1605**	**33,699.1605**	**10.8879**		**33,971.3580**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	11.2313	88.7322	115.5765	0.3484		3.4801	3.4801		3.2028	3.2028	0.0000	33,699.1605	33,699.1605	10.8879		33,971.3579
Total	**11.2313**	**88.7322**	**115.5765**	**0.3484**		**3.4801**	**3.4801**		**3.2028**	**3.2028**	**0.0000**	**33,699.1605**	**33,699.1605**	**10.8879**		**33,971.3579**

3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7156	25.1064	37.3212	0.0567		1.1437	1.1437		1.0800	1.0800		5,385.9809	5,385.9809	1.2651		5,417.6084
Total	**2.7156**	**25.1064**	**37.3212**	**0.0567**		**1.1437**	**1.1437**		**1.0800**	**1.0800**		**5,385.9809**	**5,385.9809**	**1.2651**		**5,417.6084**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7156	25.1064	37.3212	0.0567		1.1437	1.1437		1.0800	1.0800	0.0000	5,385.9809	5,385.9809	1.2651		5,417.6084

Total	**2.7156**	**25.1064**	**37.3212**	**0.0567**		**1.1437**	**1.1437**		**1.0800**	**1.0800**	**0.0000**	**5,385.9809**	**5,385.9809**	**1.2651**		**5,417.6084**

3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.5918	47.0351	76.7944	0.1388		2.2085	2.2085		2.0318	2.0318		13,437.1218	13,437.1218	4.3458		13,545.7677
Total	**5.5918**	**47.0351**	**76.7944**	**0.1388**		**2.2085**	**2.2085**		**2.0318**	**2.0318**		**13,437.1218**	**13,437.1218**	**4.3458**		**13,545.7677**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.5918	47.0351	76.7944	0.1388		2.2085	2.2085		2.0318	2.0318	0.0000	13,437.1218	13,437.1218	4.3458		13,545.7677
Total	**5.5918**	**47.0351**	**76.7944**	**0.1388**		**2.2085**	**2.2085**		**2.0318**	**2.0318**	**0.0000**	**13,437.1218**	**13,437.1218**	**4.3458**		**13,545.7677**

3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8081	34.9704	48.9903	0.0674		1.5258	1.5258		1.4054	1.4054		6,495.6291	6,495.6291	2.0842		6,547.7336
Total	**3.8081**	**34.9704**	**48.9903**	**0.0674**		**1.5258**	**1.5258**		**1.4054**	**1.4054**		**6,495.6291**	**6,495.6291**	**2.0842**		**6,547.7336**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8081	34.9704	48.9903	0.0674		1.5258	1.5258		1.4054	1.4054	0.0000	6,495.6291	6,495.6291	2.0842		6,547.7336
Total	**3.8081**	**34.9704**	**48.9903**	**0.0674**		**1.5258**	**1.5258**		**1.4054**	**1.4054**	**0.0000**	**6,495.6291**	**6,495.6291**	**2.0842**		**6,547.7336**

3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5185	21.2681	33.0813	0.0476		1.0028	1.0028		0.9226	0.9226		4,604.5862	4,604.5862	1.4892		4,641.8167
Total	**2.5185**	**21.2681**	**33.0813**	**0.0476**		**1.0028**	**1.0028**		**0.9226**	**0.9226**		**4,604.5862**	**4,604.5862**	**1.4892**		**4,641.8167**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5185	21.2681	33.0813	0.0476		1.0028	1.0028		0.9226	0.9226	0.0000	4,604.5862	4,604.5862	1.4892		4,641.8167
Total	**2.5185**	**21.2681**	**33.0813**	**0.0476**		**1.0028**	**1.0028**		**0.9226**	**0.9226**	**0.0000**	**4,604.5862**	**4,604.5862**	**1.4892**		**4,641.8167**

3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.5465	52.3943	44.7290	0.0991		2.2799	2.2799		2.0981	2.0981		9,589.9929	9,589.9929	3.0961		9,667.3942
Total	**5.5465**	**52.3943**	**44.7290**	**0.0991**		**2.2799**	**2.2799**		**2.0981**	**2.0981**		**9,589.9929**	**9,589.9929**	**3.0961**		**9,667.3942**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	5.5465	52.3943	44.7290	0.0991		2.2799	2.2799		2.0981	2.0981	0.0000	9,589.9929	9,589.9929	3.0961		9,667.3942
Total	**5.5465**	**52.3943**	**44.7290**	**0.0991**		**2.2799**	**2.2799**		**2.0981**	**2.0981**	**0.0000**	**9,589.9929**	**9,589.9929**	**3.0961**		**9,667.3942**

3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6412	22.2334	34.9552	0.0504		1.0546	1.0546		0.9702	0.9702		4,882.7589	4,882.7589	1.5792		4,922.2385
Total	**2.6412**	**22.2334**	**34.9552**	**0.0504**		**1.0546**	**1.0546**		**0.9702**	**0.9702**		**4,882.7589**	**4,882.7589**	**1.5792**		**4,922.2385**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6412	22.2334	34.9552	0.0504		1.0546	1.0546		0.9702	0.9702	0.0000	4,882.7589	4,882.7589	1.5792		4,922.2385
Total	**2.6412**	**22.2334**	**34.9552**	**0.0504**		**1.0546**	**1.0546**		**0.9702**	**0.9702**	**0.0000**	**4,882.7589**	**4,882.7589**	**1.5792**		**4,922.2385**

3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3116	13.5590	10.9969	0.0278		0.5481	0.5481		0.5042	0.5042		2,686.1195	2,686.1195	0.8688		2,707.8382
Total	**1.3116**	**13.5590**	**10.9969**	**0.0278**		**0.5481**	**0.5481**		**0.5042**	**0.5042**		**2,686.1195**	**2,686.1195**	**0.8688**		**2,707.8382**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3116	13.5590	10.9969	0.0278		0.5481	0.5481		0.5042	0.5042	0.0000	2,686.1195	2,686.1195	0.8688		2,707.8382
Total	**1.3116**	**13.5590**	**10.9969**	**0.0278**		**0.5481**	**0.5481**		**0.5042**	**0.5042**	**0.0000**	**2,686.1195**	**2,686.1195**	**0.8688**		**2,707.8382**

3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches -

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2676	11.7817	18.1688	0.0272		0.5783	0.5783		0.5332	0.5332		2,617.8037	2,617.8037	0.8356		2,638.6926
Paving	1.2360					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	**2.5036**	**11.7817**	**18.1688**	**0.0272**		**0.5783**	**0.5783**		**0.5332**	**0.5332**		**2,617.8037**	**2,617.8037**	**0.8356**		**2,638.6926**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2676	11.7817	18.1688	0.0272		0.5783	0.5783		0.5332	0.5332	0.0000	2,617.8037	2,617.8037	0.8356		2,638.6926
Paving	1.2360					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.5036**	**11.7817**	**18.1688**	**0.0272**		**0.5783**	**0.5783**		**0.5332**	**0.5332**	**0.0000**	**2,617.8037**	**2,617.8037**	**0.8356**		**2,638.6926**

3.58 Plots 9 and 1,3,20 (2024) Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.0488	39.5630	46.4915	0.0856		1.7411	1.7411		1.6038	1.6038		8,251.0065	8,251.0065	2.6496		8,317.2468
Paving	1.2360					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**5.2848**	**39.5630**	**46.4915**	**0.0856**		**1.7411**	**1.7411**		**1.6038**	**1.6038**		**8,251.0065**	**8,251.0065**	**2.6496**		**8,317.2468**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Off-Road	4.0488	39.5630	46.4915	0.0856		1.7411	1.7411		1.6038	1.6038	0.0000	8,251.0065	8,251.0065	2.6496		8,317.2468
Paving	1.2360					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**5.2848**	**39.5630**	**46.4915**	**0.0856**		**1.7411**	**1.7411**		**1.6038**	**1.6038**	**0.0000**	**8,251.0065**	**8,251.0065**	**2.6496**		**8,317.2468**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Total					

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
NaturalGas Unmitigated	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	225803	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
Total		**2.4351**	**22.1375**	**18.5955**	**0.1328**		**1.6825**	**1.6825**		**1.6825**	**1.6825**		**26,565.0282**	**26,565.0282**	**0.5092**	**0.4870**	**26,722.8909**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	225.803	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
Total		**2.4351**	**22.1375**	**18.5955**	**0.1328**		**1.6825**	**1.6825**		**1.6825**	**1.6825**		**26,565.0282**	**26,565.0282**	**0.5092**	**0.4870**	**26,722.8909**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	909.6882	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Unmitigated	909.6882	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	103.5231					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	805.7870					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.3780	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Total	**909.6881**	**0.0371**	**4.1313**	**3.1000e-004**		**0.0147**	**0.0147**		**0.0147**	**0.0147**		**8.9125**	**8.9125**	**0.0230**		**9.4865**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	103.5231					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	805.7870					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.3780	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Total	**909.6881**	**0.0371**	**4.1313**	**3.1000e-004**		**0.0147**	**0.0147**		**0.0147**	**0.0147**		**8.9125**	**8.9125**	**0.0230**		**9.4865**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Plots 5, 10, 8, 6, 7, and 11

World Logistics Center Plots 5, 10, 8, 6, 7, and 11

Regional Emissions Unmitigated

Summer	Onsite Emissions										Onsite Mobile Emissions									
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Source	lb/day										lb/day									
3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	23.94	248.62	169.31	0.44	20.99	9.57	30.56	10.05	8.80	18.85	0.16	0.10	0.20	0.01	12.73	0.00	12.73	1.27	0.00	1.27
3.3 Plots 5 and 10 (2025) Finish Grading - 2025	0.77	7.09	7.84	0.01	11.95	0.37	12.31	6.48	0.34	6.81	0.08	0.03	0.06	0.00	4.12	0.00	4.12	0.41	0.00	0.41
3.4 Plots 5 and 10 (2025) Utilities - 2025	10.56	79.56	114.34	0.35	0.00	3.01	3.01	0.00	2.77	2.77	0.47	0.43	0.40	0.03	18.53	0.00	18.53	1.85	0.00	1.85
3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	1.84	16.69	26.51	0.04	0.00	0.69	0.69	0.00	0.65	0.65	0.07	0.40	0.37	0.00	11.61	0.00	11.61	1.16	0.00	1.16
3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	5.01	40.45	74.25	0.14	0.00	1.79	1.79	0.00	1.65	1.65	0.28	0.18	0.18	0.02	10.08	0.00	10.08	1.01	0.00	1.01
3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2.39	21.93	32.78	0.05	0.00	0.89	0.89	0.00	0.82	0.82	0.13	0.28	0.25	0.01	8.37	0.00	8.37	0.84	0.00	0.84
3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2.32	19.35	32.92	0.05	0.00	0.84	0.84	0.00	0.78	0.78	0.13	0.03	0.04	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.9 Plots 5 and 10 (2025) Landscaping - 2025	2.43	20.17	34.78	0.05	0.00	0.89	0.89	0.00	0.82	0.82	0.11	0.03	0.04	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	1.24	12.26	10.43	0.03	0.00	0.50	0.50	0.00	0.46	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	1.92	5.99	10.51	0.02	0.00	0.28	0.28	0.00	0.26	0.26	0.08	0.05	0.06	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.12 Plots 5 and 10 (2025) Paving - 2025	4.91	34.39	44.95	0.09	0.00	1.48	1.48	0.00	1.36	1.36	0.12	0.06	0.11	0.01	6.87	0.00	6.88	0.69	0.00	0.69
3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	22.85	238.45	161.06	0.42	12.80	9.18	21.98	5.27	8.45	13.72	0.20	0.16	0.20	0.01	11.00	0.00	11.00	1.10	0.00	1.10
3.14 Plots 10 and 8 (2026) Finish Grading - 2026	0.77	7.09	7.84	0.01	9.00	0.37	9.37	4.86	0.34	5.20	0.06	0.11	0.12	0.00	4.96	0.00	4.96	0.50	0.00	0.50
3.15 Plots 10 and 8 (2026) Utilities - 2026	6.69	48.69	70.23	0.23	0.00	1.82	1.82	0.00	1.68	1.68	0.30	0.26	0.24	0.02	11.78	0.00	11.78	1.18	0.00	1.18
3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	1.15	10.35	16.23	0.03	0.00	0.42	0.42	0.00	0.40	0.40	0.07	0.27	0.24	0.00	7.90	0.00	7.90	0.79	0.00	0.79
3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2.59	20.84	38.52	0.07	0.00	0.93	0.93	0.00	0.85	0.85	0.17	0.10	0.10	0.01	5.92	0.00	5.92	0.59	0.00	0.59
3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	1.49	13.72	20.43	0.03	0.00	0.55	0.55	0.00	0.50	0.50	0.09	0.15	0.13	0.01	5.02	0.00	5.02	0.50	0.00	0.50
3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	1.21	10.08	17.39	0.03	0.00	0.44	0.44	0.00	0.41	0.41	0.08	0.03	0.03	0.00	2.62	0.00	2.62	0.26	0.00	0.26
3.20 Plots 10 and 8 (2026) Landscaping - 2026	1.21	10.08	17.39	0.03	0.00	0.44	0.44	0.00	0.41	0.41	0.08	0.03	0.04	0.00	3.38	0.00	3.38	0.34	0.00	0.34
3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	0.62	6.13	5.22	0.01	0.00	0.25	0.25	0.00	0.23	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	1.84	5.44	9.46	0.01	0.00	0.26	0.26	0.00	0.24	0.24	0.09	0.06	0.09	0.00	5.12	0.00	5.12	0.51	0.00	0.51
3.23 Plots 10 and 8 (2026) Paving - 2026	3.08	17.20	22.47	0.04	0.00	0.74	0.74	0.00	0.68	0.68	0.07	0.04	0.07	0.00	4.38	0.00	4.38	0.44	0.00	0.44
3.24 Plot 8 (2027) Mass Excavation - 2027	22.85	238.45	161.06	0.42	11.11	9.18	20.29	5.09	8.45	13.54	0.12	0.11	0.10	0.01	4.63	0.00	4.63	0.46	0.00	0.46
3.25 Plot 8 (2027) Finish Grading - 2027	0.77	7.09	7.84	0.01	3.03	0.37	3.39	1.62	0.34	1.96	0.02	0.10	0.09	0.00	2.90	0.00	2.90	0.29	0.00	0.29
3.26 Plot 8 (2027) Utilities - 2027	5.31	39.99	57.64	0.17	0.00	1.52	1.52	0.00	1.39	1.39	0.07	0.04	0.04	0.00	2.52	0.00	2.52	0.25	0.00	0.25
3.27 Plot 8 (2027) Building-Concrete - 2027	1.15	10.35	16.23	0.03	0.00	0.42	0.42	0.00	0.40	0.40	0.03	0.07	0.06	0.00	2.09	0.00	2.09	0.21	0.00	0.21
3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2.59	20.84	38.52	0.07	0.00	0.93	0.93	0.00	0.85	0.85	0.03	0.01	0.01	0.00	0.88	0.00	0.89	0.09	0.00	0.09
3.29 Plot 8 (2027) Building-Electrical - 2027	1.49	13.72	20.43	0.03	0.00	0.55	0.55	0.00	0.50	0.50	0.03	0.01	0.01	0.00	0.83	0.00	0.83	0.08	0.00	0.08
3.30 Plot 8 (2027) Building-Landscaping - 2027	1.21	10.08	17.39	0.03	0.00	0.44	0.44	0.00	0.41	0.41	0.02	0.01	0.01	0.00	0.85	0.00	0.85	0.09	0.00	0.09
3.31 Plot 8 (2027) Landscaping - 2027	1.21	10.08	17.39	0.03	0.00	0.44	0.44	0.00	0.41	0.41	0.03	0.01	0.02	0.00	1.72	0.00	1.72	0.17	0.00	0.17
3.32 Plot 8 (2027) Temporary Utilities - 2027	0.62	6.13	5.22	0.01	0.00	0.25	0.25	0.00	0.23	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	1.32	0.55	1.05	0.00	0.00	0.03	0.03	0.00	0.03	0.03	0.05	0.03	0.05	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.34 Plot 8 (2027) Paving - 2027	3.08	17.20	22.47	0.04	0.00	0.74	0.74	0.00	0.68	0.68	0.01	0.01	0.01	0.00	0.95	0.00	0.95	0.09	0.00	0.09
3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	23.83	247.51	169.02	0.43	15.74	9.59	25.33	5.59	8.82	14.41	0.34	0.25	0.38	0.02	24.17	0.00	24.18	2.41	0.00	2.41
3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	0.77	7.09	7.84	0.01	3.41	0.37	3.78	1.67	0.34	2.00	0.10	0.06	0.11	0.00	7.03	0.00	7.03	0.70	0.00	0.70
3.37 Plots 11 and 6,7 (2028) Utilities - 2028	5.31	39.99	57.64	0.17	0.00	1.52	1.52	0.00	1.39	1.39	0.81	0.75	0.67	0.05	32.45	0.01	32.46	3.24	0.00	3.24
3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	1.07	9.89	15.84	0.02	0.00	0.41	0.41	0.00	0.38	0.38	0.17	0.35	0.37	0.01	15.60	0.00	15.61	1.56	0.00	1.56
3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2.59	20.84	38.52	0.07	0.00	0.93	0.93	0.00	0.85	0.85	0.48	0.31	0.30	0.03	17.64	0.00	17.65	1.76	0.00	1.76
3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	1.48	13.67	20.39	0.03	0.00	0.54	0.54	0.00	0.50	0.50	0.22	0.49	0.42	0.01	14.67	0.00	14.67	1.46	0.00	1.47
3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	1.16	9.67	16.46	0.02	0.00	0.42	0.42	0.00	0.39	0.39	0.22	0.05	0.06	0.01	6.19	0.00	6.20	0.62	0.00	0.62
3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	1.21	10.08	17.39	0.03	0.00	0.44	0.44	0.00	0.41	0.41	0.19	0.05	0.06	0.01	5.83	0.00	5.83	0.58	0.00	0.58
3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	0.62	6.13	5.22	0.01	0.00	0.25	0.25	0.00	0.23	0.23	0.08	0.05	0.06	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	1.79	5.03	8.52	0.01	0.00	0.24	0.24	0.00	0.22	0.22	0.18	0.09	0.14	0.01	9.44	0.00	9.44	0.94	0.00	0.94
3.45 Plots 11 and 6,7 (2028) Paving - 2028	3.08	17.20	22.47	0.04	0.00	0.74	0.74	0.00	0.68	0.68	0.09	0.04	0.07	0.00	5.16	0.00	5.16	0.51	0.00	0.51
3.46 Plot 11 (2029) Mass Excavation - 2029	21.75	228.27	152.80	0.39	18.02	8.80	26.82	5.84	8.10	13.93	0.21	0.16	0.23	0.01	14.22	0.00	14.22	1.42	0.00	1.42
3.47 Plot 11 (2029) Finish Grading - 2029	0.77	7.09	7.84	0.01	3.30	0.37	3.66	1.65	0.34	1.99	0.08	0.04	0.06	0.00	4.25	0.00	4.25	0.42	0.00	0.42
3.48 Plot 11 (2029) Utilities - 2029	5.31	39.99	57.64	0.17	0.00	1.52	1.52	0.00	1.39	1.39	0.46	0.42	0.38	0.03	18.53	0.00	18.53	1.85	0.00	1.85
3.49 Plot 11 (2029) Building-Concrete - 2029	1.07	9.89	15.84	0.02	0.00	0.41	0.41	0.00	0.38	0.38	0.07	0.39	0.36	0.00	11.61	0.00	11.61	1.16	0.00	1.16
3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2.59	20.84	38.52	0.07	0.00	0.93	0.93	0.00	0.85	0.85	0.27	0.18	0.17	0.02	10.08	0.00	10.08	1.01	0.00	1.01
3.51 Plot 11 (2029) Building-Electrical - 2029	1.48	13.67	20.39	0.03	0.00	0.54	0.54	0.00	0.50	0.50	0.12	0.28	0.24	0.01	8.37	0.00	8.37	0.84	0.00	0.84
3.52 Plot 11 (2029) Building-Landscaping - 2029	1.13	9.47	15.99	0.02	0.00	0.41	0.41	0.00	0.38	0.38	0.12	0.03	0.04	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.53 Plot 11 (2029) Landscaping - 2029	1.21	10.08	17.39	0.03	0.00	0.44	0.44	0.00	0.41	0.41	0.11	0.03	0.03	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.54 Plot 11 (2029) Temporary Utilities - 2029	0.62	6.13	5.22	0.01	0.00	0.25	0.25	0.00	0.23	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	1.78	5.03	8.52	0.01	0.00	0.24	0.24	0.00	0.22	0.22	0.07	0.05	0.06	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.56 Plot 11 (2029) Paving - 2029	3.08	17.20	22.47	0.04	0.00	0.74	0.74	0.00	0.68	0.68	0.12	0.06	0.09	0.01	6.87	0.00	6.88	0.69	0.00	0.69

World Logistics Center Plots 5, 10, 8, 6, 7, and 11

Regional Emissions Unmitigated

Summer	Offsite Mobile Emissions									
Source	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
	lb/day									
3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	0.09	1.40	2.35	0.01	1.20	0.01	1.22	0.32	0.01	0.34
3.3 Plots 5 and 10 (2025) Finish Grading - 2025	0.03	0.54	0.73	0.01	0.39	0.01	0.40	0.11	0.00	0.11
3.4 Plots 5 and 10 (2025) Utilities - 2025	0.12	5.87	2.73	0.04	1.86	0.05	1.91	0.51	0.05	0.56
3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	0.07	4.19	1.20	0.02	0.86	0.03	0.90	0.24	0.03	0.27
3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	0.06	2.70	1.53	0.02	1.00	0.02	1.03	0.28	0.02	0.30
3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	0.06	3.30	1.62	0.02	1.03	0.03	1.06	0.28	0.03	0.31
3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	0.03	0.73	0.75	0.01	0.45	0.01	0.45	0.12	0.01	0.13
3.9 Plots 5 and 10 (2025) Landscaping - 2025	0.01	0.59	0.13	0.00	0.14	0.00	0.14	0.04	0.00	0.04
3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	0.01	0.03	0.40	0.00	0.19	0.00	0.19	0.05	0.00	0.05
3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	0.03	0.79	1.16	0.01	0.62	0.01	0.63	0.17	0.01	0.17
3.12 Plots 5 and 10 (2025) Paving - 2025	0.04	0.90	0.61	0.01	0.37	0.01	0.38	0.10	0.01	0.11
3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	0.08	2.17	2.33	0.02	1.35	0.02	1.37	0.36	0.02	0.38
3.14 Plots 10 and 8 (2026) Finish Grading - 2026	0.03	1.31	0.83	0.01	0.51	0.01	0.52	0.14	0.01	0.15
3.15 Plots 10 and 8 (2026) Utilities - 2026	0.08	3.60	2.20	0.02	1.44	0.03	1.47	0.39	0.03	0.42
3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	0.05	2.91	1.50	0.02	0.95	0.03	0.98	0.26	0.02	0.28
3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	0.04	1.53	1.24	0.01	0.78	0.01	0.79	0.21	0.01	0.23
3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	0.03	1.78	0.90	0.01	0.60	0.02	0.61	0.16	0.01	0.18
3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	0.02	0.54	0.49	0.00	0.31	0.00	0.31	0.08	0.00	0.09
3.20 Plots 10 and 8 (2026) Landscaping - 2026	0.02	0.53	0.49	0.00	0.30	0.00	0.31	0.08	0.00	0.09
3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	0.03	0.83	0.56	0.01	0.35	0.01	0.36	0.10	0.01	0.10
3.23 Plots 10 and 8 (2026) Paving - 2026	0.03	0.58	1.07	0.01	0.58	0.01	0.59	0.16	0.01	0.16
3.24 Plot 8 (2027) Mass Excavation - 2027	0.05	1.52	2.05	0.01	1.22	0.02	1.24	0.33	0.01	0.34
3.25 Plot 8 (2027) Finish Grading - 2027	0.02	1.04	0.65	0.01	0.41	0.01	0.42	0.11	0.01	0.12
3.26 Plot 8 (2027) Utilities - 2027	0.02	0.70	1.02	0.01	0.61	0.01	0.61	0.16	0.01	0.17
3.27 Plot 8 (2027) Building-Concrete - 2027	0.03	0.87	1.49	0.01	0.85	0.01	0.86	0.23	0.01	0.24
3.28 Plot 8 (2027) Building-Wet Utilities - 2027	0.02	0.22	0.92	0.00	0.52	0.00	0.52	0.14	0.00	0.14
3.29 Plot 8 (2027) Building-Electrical - 2027	0.01	0.18	0.56	0.00	0.32	0.00	0.32	0.09	0.00	0.09
3.30 Plot 8 (2027) Building-Landscaping - 2027	0.01	0.21	0.66	0.00	0.37	0.00	0.37	0.10	0.00	0.10
3.31 Plot 8 (2027) Landscaping - 2027	0.02	0.27	0.94	0.00	0.52	0.00	0.52	0.14	0.00	0.14
3.32 Plot 8 (2027) Temporary Utilities - 2027	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	0.02	0.47	0.55	0.00	0.33	0.00	0.33	0.09	0.00	0.09
3.34 Plot 8 (2027) Paving - 2027	0.01	0.13	0.64	0.00	0.35	0.00	0.35	0.09	0.00	0.10
3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	0.12	3.31	2.45	0.02	1.60	0.03	1.62	0.43	0.03	0.46
3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	0.03	0.85	0.54	0.01	0.36	0.01	0.37	0.10	0.01	0.11
3.37 Plots 11 and 6,7 (2028) Utilities - 2028	0.15	9.82	2.30	0.05	2.12	0.08	2.20	0.59	0.08	0.67
3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	0.09	3.97	2.50	0.03	1.64	0.04	1.68	0.44	0.03	0.48
3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	0.09	4.53	1.75	0.03	1.40	0.04	1.44	0.39	0.04	0.42
3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	0.08	5.51	1.60	0.03	1.26	0.05	1.31	0.35	0.04	0.39
3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	0.04	1.22	1.08	0.01	0.76	0.01	0.77	0.21	0.01	0.22
3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	0.04	1.09	1.56	0.01	1.00	0.01	1.01	0.27	0.01	0.28
3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	0.01	0.70	0.15	0.00	0.14	0.01	0.15	0.04	0.01	0.05
3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	0.04	1.40	0.82	0.01	0.58	0.01	0.59	0.16	0.01	0.17
3.45 Plots 11 and 6,7 (2028) Paving - 2028	0.02	0.66	0.49	0.00	0.33	0.01	0.33	0.09	0.01	0.09
3.46 Plot 11 (2029) Mass Excavation - 2029	0.07	2.14	2.08	0.02	1.36	0.02	1.38	0.37	0.02	0.39
3.47 Plot 11 (2029) Finish Grading - 2029	0.03	0.61	0.93	0.01	0.60	0.01	0.60	0.16	0.01	0.17
3.48 Plot 11 (2029) Utilities - 2029	0.09	5.57	1.92	0.03	1.58	0.05	1.62	0.44	0.04	0.48
3.49 Plot 11 (2029) Building-Concrete - 2029	0.07	4.04	2.03	0.02	1.39	0.04	1.42	0.37	0.03	0.41
3.50 Plot 11 (2029) Building-Wet Utilities - 2029	0.05	2.57	1.32	0.02	1.00	0.02	1.03	0.28	0.02	0.30
3.51 Plot 11 (2029) Building-Electrical - 2029	0.04	3.12	1.11	0.02	0.84	0.03	0.87	0.23	0.03	0.26
3.52 Plot 11 (2029) Building-Landscaping - 2029	0.02	0.70	0.70	0.01	0.49	0.01	0.50	0.13	0.01	0.14
3.53 Plot 11 (2029) Landscaping - 2029	0.02	0.59	0.52	0.00	0.38	0.01	0.38	0.10	0.01	0.11
3.54 Plot 11 (2029) Temporary Utilities - 2029	0.01	0.04	0.80	0.00	0.47	0.00	0.48	0.13	0.00	0.13
3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	0.01	0.70	0.15	0.00	0.14	0.01	0.15	0.04	0.01	0.05
3.56 Plot 11 (2029) Paving - 2029	0.03	0.86	0.52	0.01	0.37	0.01	0.38	0.10	0.01	0.11

Regional Emissions	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	24.19	250.12	171.87	0.47	34.92	9.58	44.51	11.64	8.82	20.46
3.3 Plots 5 and 10 (2025) Finish Grading - 2025	0.88	7.67	8.62	0.02	16.47	0.37	16.84	7.00	0.34	7.34
3.4 Plots 5 and 10 (2025) Utilities - 2025	11.15	85.86	117.48	0.41	20.39	3.06	23.45	2.36	2.82	5.18
3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	1.98	21.27	28.08	0.07	12.48	0.72	13.20	1.39	0.69	2.08
3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	5.35	43.32	75.96	0.17	11.08	1.82	12.90	1.28	1.67	2.95
3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2.58	25.51	34.64	0.07	9.40	0.92	10.32	1.12	0.85	1.96
3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2.47	20.11	33.71	0.06	3.99	0.85	4.84	0.48	0.78	1.26
3.9 Plots 5 and 10 (2025) Landscaping - 2025	2.55	20.79	34.95	0.06	3.47	0.89	4.36	0.37	0.82	1.19
3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	1.25	12.28	10.84	0.03	0.19	0.50	0.69	0.05	0.46	0.51
3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2.03	6.83	11.73	0.03	4.03	0.29	4.32	0.51	0.27	0.78
3.12 Plots 5 and 10 (2025) Paving - 2025	5.07	35.35	45.67	0.10	7.25	1.48	8.73	0.79	1.37	2.16
3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	23.12	240.77	163.59	0.44	25.15	9.21	34.35	6.73	8.47	15.20
3.14 Plots 10 and 8 (2026) Finish Grading - 2026	0.86	8.52	8.78	0.02	14.47	0.38	14.85	5.50	0.35	5.84
3.15 Plots 10 and 8 (2026) Utilities - 2026	7.07	52.55	72.67	0.27	13.22	1.86	15.08	1.57	1.71	3.28
3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	1.27	13.53	17.97	0.05	8.85	0.45	9.30	1.05	0.43	1.47
3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2.80	22.47	39.86	0.09	6.70	0.94	7.65	0.80	0.87	1.67
3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	1.61	15.64	21.46	0.04	5.61	0.56	6.18	0.66	0.52	1.18
3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	1.31	10.66	17.91	0.03	2.93	0.45	3.38	0.35	0.41	0.76
3.20 Plots 10 and 8 (2026) Landscaping - 2026	1.32	10.65	17.93	0.03	3.69	0.45	4.14	0.42	0.41	0.83
3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	0.62	6.13	5.22	0.01	0.00	0.25	0.25	0.00	0.23	0.23
3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	1.95	6.32	10.10	0.02	5.47	0.26	5.73	0.61	0.24	0.85
3.23 Plots 10 and 8 (2026) Paving - 2026	3.18	17.81	23.61	0.05	4.97	0.74	5.71	0.59	0.69	1.28
3.24 Plot 8 (2027) Mass Excavation - 2027	23.01	240.07	163.21	0.44	16.97	9.20	26.17	5.88	8.46	14.34
3.25 Plot 8 (2027) Finish Grading - 2027	0.81	8.23	8.57	0.02	6.34	0.37	6.71	2.02	0.35	2.37
3.26 Plot 8 (2027) Utilities - 2027	5.40	40.73	58.70	0.19	3.13	1.52	4.65	0.41	1.40	1.82
3.27 Plot 8 (2027) Building-Concrete - 2027	1.21	11.29	17.77	0.04	2.94	0.43	3.38	0.44	0.41	0.85
3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2.64	21.07	39.45	0.08	1.40	0.93	2.33	0.23	0.86	1.08
3.29 Plot 8 (2027) Building-Electrical - 2027	1.53	13.90	21.00	0.03	1.15	0.55	1.70	0.17	0.50	0.67
3.30 Plot 8 (2027) Building-Landscaping - 2027	1.25	10.31	18.06	0.03	1.22	0.45	1.67	0.18	0.41	0.59
3.31 Plot 8 (2027) Landscaping - 2027	1.26	10.37	18.35	0.03	2.24	0.45	2.69	0.31	0.41	0.72
3.32 Plot 8 (2027) Temporary Utilities - 2027	0.62	6.13	5.22	0.01	0.00	0.25	0.25	0.00	0.23	0.23
3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	1.39	1.05	1.65	0.01	3.74	0.03	3.77	0.43	0.03	0.46
3.34 Plot 8 (2027) Paving - 2027	3.10	17.33	23.13	0.05	1.30	0.74	2.04	0.19	0.68	0.87
3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	24.29	251.07	171.85	0.47	41.51	9.62	51.13	8.44	8.85	17.29
3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	0.90	8.01	8.48	0.02	10.80	0.37	11.17	2.46	0.34	2.81
3.37 Plots 11 and 6,7 (2028) Utilities - 2028	6.26	50.55	60.61	0.27	34.58	1.60	36.18	3.83	1.47	5.31
3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	1.33	14.21	18.71	0.06	17.24	0.44	17.69	2.00	0.42	2.42
3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	3.15	25.68	40.57	0.12	19.05	0.97	20.02	2.15	0.89	3.04
3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	1.78	19.67	22.41	0.07	15.93	0.59	16.52	1.81	0.55	2.36
3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	1.41	10.95	17.60	0.05	6.95	0.43	7.39	0.83	0.40	1.22
3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	1.44	11.22	19.01	0.05	6.83	0.46	7.29	0.85	0.42	1.27
3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	0.71	6.88	5.42	0.02	3.56	0.26	3.82	0.38	0.24	0.62
3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2.01	6.52	9.48	0.03	10.01	0.25	10.26	1.10	0.23	1.33
3.45 Plots 11 and 6,7 (2028) Paving - 2028	3.19	17.89	23.03	0.05	5.48	0.74	6.23	0.60	0.69	1.29
3.46 Plot 11 (2029) Mass Excavation - 2029	22.03	230.57	155.11	0.41	33.60	8.82	42.42	7.62	8.11	15.74
3.47 Plot 11 (2029) Finish Grading - 2029	0.87	7.74	8.83	0.02	8.14	0.37	8.51	2.24	0.34	2.58
3.48 Plot 11 (2029) Utilities - 2029	5.86	45.98	59.94	0.23	20.10	1.57	21.67	2.28	1.44	3.72
3.49 Plot 11 (2029) Building-Concrete - 2029	1.21	14.32	18.23	0.05	13.00	0.44	13.44	1.53	0.42	1.95
3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2.91	23.59	40.01	0.10	11.08	0.95	12.03	1.28	0.87	2.16
3.51 Plot 11 (2029) Building-Electrical - 2029	1.65	17.06	21.74	0.05	9.21	0.57	9.78	1.07	0.53	1.59
3.52 Plot 11 (2029) Building-Landscaping - 2029	1.27	10.20	16.72	0.04	4.03	0.42	4.45	0.49	0.38	0.87
3.53 Plot 11 (2029) Landscaping - 2029	1.34	10.71	17.95	0.04	3.71	0.45	4.16	0.44	0.41	0.85
3.54 Plot 11 (2029) Temporary Utilities - 2029	0.63	6.17	6.02	0.02	0.47	0.25	0.73	0.13	0.23	0.36
3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	1.87	5.77	8.73	0.02	3.56	0.24	3.80	0.38	0.22	0.60
3.56 Plot 11 (2029) Paving - 2029	3.22	18.11	23.09	0.05	7.25	0.75	7.99	0.79	0.69	1.48
2025	283.90	529.11	573.54	1.48	123.66	20.49	144.15	26.98	18.88	45.86
2026	269.53	405.05	399.09	1.08	91.07	15.55	106.62	18.28	14.32	32.60
2027	266.62	380.48	375.12	0.91	40.42	14.92	55.34	10.26	13.75	24.00
2028	270.89	422.66	397.19	1.21	171.95	15.74	187.69	24.46	14.49	38.95
2029	267.28	390.22	376.35	1.04	114.16	14.83	128.99	18.24	13.66	31.90
Daily Maximum	**283.90**	**529.11**	**573.54**	**1.48**	**171.95**	**20.49**	**187.69**	**26.98**	**18.88**	**45.86**
SCAQMD Regional Significance Thresholds	75.00	100.00	550.00	150.00			150.00			55.00
Exceeds Threshold?	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No

	VOC Summary
2025	224.42
2026	224.42
2027	224.42
2028	224.42
2029	224.42

World Logistics Center Plots 5, 10, 8, 6, 7, and 11

Localized Emissions Unmitigated

Summer	Onsite Emissions										Onsite Mobile Emissions									
Source	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
	lb/day										lb/day									
3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	23.94	248.62	169.31	0.44	20.99	9.57	30.56	10.05	8.80	18.85	0.16	0.10	0.20	0.01	12.73	0.00	12.73	1.27	0.00	1.27
3.3 Plots 5 and 10 (2025) Finish Grading - 2025	0.77	7.09	7.84	0.01	11.95	0.37	12.31	6.48	0.34	6.81	0.08	0.03	0.06	0.00	4.12	0.00	4.12	0.41	0.00	0.41
3.4 Plots 5 and 10 (2025) Utilities - 2025	10.56	79.56	114.34	0.35	0.00	3.01	3.01	0.00	2.77	2.77	0.47	0.43	0.40	0.03	18.53	0.00	18.53	1.85	0.00	1.85
3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	1.84	16.69	26.51	0.04	0.00	0.69	0.69	0.00	0.65	0.65	0.07	0.40	0.37	0.00	11.61	0.00	11.61	1.16	0.00	1.16
3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	5.01	40.45	74.25	0.14	0.00	1.79	1.79	0.00	1.65	1.65	0.28	0.18	0.18	0.02	10.08	0.00	10.08	1.01	0.00	1.01
3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2.39	21.93	32.78	0.05	0.00	0.89	0.89	0.00	0.82	0.82	0.13	0.28	0.25	0.01	8.37	0.00	8.37	0.84	0.00	0.84
3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2.32	19.35	32.92	0.05	0.00	0.84	0.84	0.00	0.78	0.78	0.13	0.03	0.04	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.9 Plots 5 and 10 (2025) Landscaping - 2025	2.43	20.17	34.78	0.05	0.00	0.89	0.89	0.00	0.82	0.82	0.11	0.03	0.04	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	1.24	12.26	10.43	0.03	0.00	0.50	0.50	0.00	0.46	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	1.92	5.99	10.51	0.02	0.00	0.28	0.28	0.00	0.26	0.26	0.08	0.05	0.06	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.12 Plots 5 and 10 (2025) Paving - 2025	4.91	34.39	44.95	0.09	0.00	1.48	1.48	0.00	1.36	1.36	0.12	0.06	0.11	0.01	6.87	0.00	6.88	0.69	0.00	0.69
3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	22.85	238.45	161.06	0.42	12.80	9.18	21.98	5.27	8.45	13.72	0.20	0.16	0.20	0.01	11.00	0.00	11.00	1.10	0.00	1.10
3.14 Plots 10 and 8 (2026) Finish Grading - 2026	0.77	7.09	7.84	0.01	9.00	0.37	9.37	4.86	0.34	5.20	0.06	0.11	0.12	0.00	4.96	0.00	4.96	0.50	0.00	0.50
3.15 Plots 10 and 8 (2026) Utilities - 2026	6.69	48.69	70.23	0.23	0.00	1.82	1.82	0.00	1.68	1.68	0.30	0.26	0.24	0.02	11.78	0.00	11.78	1.18	0.00	1.18
3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	1.15	10.35	16.23	0.03	0.00	0.42	0.42	0.00	0.40	0.40	0.07	0.27	0.24	0.00	7.90	0.00	7.90	0.79	0.00	0.79
3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2.59	20.84	38.52	0.07	0.00	0.93	0.93	0.00	0.85	0.85	0.17	0.10	0.10	0.01	5.92	0.00	5.92	0.59	0.00	0.59
3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	1.49	13.72	20.43	0.03	0.00	0.55	0.55	0.00	0.50	0.50	0.09	0.15	0.13	0.01	5.02	0.00	5.02	0.50	0.00	0.50
3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	1.21	10.08	17.39	0.03	0.00	0.44	0.44	0.00	0.41	0.41	0.08	0.03	0.03	0.00	2.62	0.00	2.62	0.26	0.00	0.26
3.20 Plots 10 and 8 (2026) Landscaping - 2026	1.21	10.08	17.39	0.03	0.00	0.44	0.44	0.00	0.41	0.41	0.08	0.03	0.04	0.00	3.38	0.00	3.38	0.34	0.00	0.34
3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	0.62	6.13	5.22	0.01	0.00	0.25	0.25	0.00	0.23	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	1.84	5.44	9.46	0.01	0.00	0.26	0.26	0.00	0.24	0.24	0.09	0.06	0.09	0.00	5.12	0.00	5.12	0.51	0.00	0.51
3.23 Plots 10 and 8 (2026) Paving - 2026	3.08	17.20	22.47	0.04	0.00	0.74	0.74	0.00	0.68	0.68	0.07	0.04	0.07	0.00	4.38	0.00	4.38	0.44	0.00	0.44
3.24 Plot 8 (2027) Mass Excavation - 2027	22.85	238.45	161.06	0.42	11.11	9.18	20.29	5.09	8.45	13.54	0.12	0.11	0.10	0.01	4.63	0.00	4.63	0.46	0.00	0.46
3.25 Plot 8 (2027) Finish Grading - 2027	0.77	7.09	7.84	0.01	3.03	0.37	3.39	1.62	0.34	1.96	0.02	0.10	0.09	0.00	2.90	0.00	2.90	0.29	0.00	0.29
3.26 Plot 8 (2027) Utilities - 2027	5.31	39.99	57.64	0.17	0.00	1.52	1.52	0.00	1.39	1.39	0.07	0.04	0.04	0.00	2.52	0.00	2.52	0.25	0.00	0.25
3.27 Plot 8 (2027) Building-Concrete - 2027	1.15	10.35	16.23	0.03	0.00	0.42	0.42	0.00	0.40	0.40	0.03	0.07	0.06	0.00	2.09	0.00	2.09	0.21	0.00	0.21
3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2.59	20.84	38.52	0.07	0.00	0.93	0.93	0.00	0.85	0.85	0.03	0.01	0.01	0.00	0.88	0.00	0.89	0.09	0.00	0.09
3.29 Plot 8 (2027) Building-Electrical - 2027	1.49	13.72	20.43	0.03	0.00	0.55	0.55	0.00	0.50	0.50	0.03	0.01	0.01	0.00	0.83	0.00	0.83	0.08	0.00	0.08
3.30 Plot 8 (2027) Building-Landscaping - 2027	1.21	10.08	17.39	0.03	0.00	0.44	0.44	0.00	0.41	0.41	0.02	0.01	0.01	0.00	0.85	0.00	0.85	0.09	0.00	0.09
3.31 Plot 8 (2027) Landscaping - 2027	1.21	10.08	17.39	0.03	0.00	0.44	0.44	0.00	0.41	0.41	0.03	0.01	0.02	0.00	1.72	0.00	1.72	0.17	0.00	0.17
3.32 Plot 8 (2027) Temporary Utilities - 2027	0.62	6.13	5.22	0.01	0.00	0.25	0.25	0.00	0.23	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	1.32	0.55	1.05	0.00	0.00	0.03	0.03	0.00	0.03	0.03	0.05	0.03	0.05	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.34 Plot 8 (2027) Paving - 2027	3.08	17.20	22.47	0.04	0.00	0.74	0.74	0.00	0.68	0.68	0.01	0.01	0.01	0.00	0.95	0.00	0.95	0.09	0.00	0.09
3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	23.83	247.51	169.02	0.43	15.74	9.59	25.33	5.59	8.82	14.41	0.34	0.25	0.38	0.02	24.17	0.00	24.18	2.41	0.00	2.41
3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	0.77	7.09	7.84	0.01	3.41	0.37	3.78	1.67	0.34	2.00	0.10	0.06	0.11	0.00	7.03	0.00	7.03	0.70	0.00	0.70
3.37 Plots 11 and 6,7 (2028) Utilities - 2028	5.31	39.99	57.64	0.17	0.00	1.52	1.52	0.00	1.39	1.39	0.81	0.75	0.67	0.05	32.45	0.01	32.46	3.24	0.00	3.24
3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	1.07	9.89	15.84	0.02	0.00	0.41	0.41	0.00	0.38	0.38	0.17	0.35	0.37	0.01	15.60	0.00	15.61	1.56	0.00	1.56
3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2.59	20.84	38.52	0.07	0.00	0.93	0.93	0.00	0.85	0.85	0.48	0.31	0.30	0.03	17.64	0.00	17.65	1.76	0.00	1.76
3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	1.48	13.67	20.39	0.03	0.00	0.54	0.54	0.00	0.50	0.50	0.22	0.49	0.42	0.01	14.67	0.00	14.67	1.46	0.00	1.47
3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	1.16	9.67	16.46	0.02	0.00	0.42	0.42	0.00	0.39	0.39	0.22	0.05	0.06	0.01	6.19	0.00	6.20	0.62	0.00	0.62
3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	1.21	10.08	17.39	0.03	0.00	0.44	0.44	0.00	0.41	0.41	0.19	0.05	0.06	0.01	5.83	0.00	5.83	0.58	0.00	0.58
3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	0.62	6.13	5.22	0.01	0.00	0.25	0.25	0.00	0.23	0.23	0.08	0.05	0.06	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	1.79	5.03	8.52	0.01	0.00	0.24	0.24	0.00	0.22	0.22	0.18	0.09	0.14	0.01	9.44	0.00	9.44	0.94	0.00	0.94
3.45 Plots 11 and 6,7 (2028) Paving - 2028	3.08	17.20	22.47	0.04	0.00	0.74	0.74	0.00	0.68	0.68	0.09	0.04	0.07	0.00	5.16	0.00	5.16	0.51	0.00	0.51
3.46 Plot 11 (2029) Mass Excavation - 2029	21.75	228.27	152.80	0.39	18.02	8.80	26.82	5.84	8.10	13.93	0.21	0.16	0.23	0.01	14.22	0.00	14.22	1.42	0.00	1.42
3.47 Plot 11 (2029) Finish Grading - 2029	0.77	7.09	7.84	0.01	3.30	0.37	3.66	1.65	0.34	1.99	0.08	0.04	0.06	0.00	4.25	0.00	4.25	0.42	0.00	0.42
3.48 Plot 11 (2029) Utilities - 2029	5.31	39.99	57.64	0.17	0.00	1.52	1.52	0.00	1.39	1.39	0.46	0.42	0.38	0.03	18.53	0.00	18.53	1.85	0.00	1.85
3.49 Plot 11 (2029) Building-Concrete - 2029	1.07	9.89	15.84	0.02	0.00	0.41	0.41	0.00	0.38	0.38	0.07	0.39	0.36	0.00	11.61	0.00	11.61	1.16	0.00	1.16
3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2.59	20.84	38.52	0.07	0.00	0.93	0.93	0.00	0.85	0.85	0.27	0.18	0.17	0.02	10.08	0.00	10.08	1.01	0.00	1.01
3.51 Plot 11 (2029) Building-Electrical - 2029	1.48	13.67	20.39	0.03	0.00	0.54	0.54	0.00	0.50	0.50	0.12	0.28	0.24	0.01	8.37	0.00	8.37	0.84	0.00	0.84
3.52 Plot 11 (2029) Building-Landscaping - 2029	1.13	9.47	15.99	0.02	0.00	0.41	0.41	0.00	0.38	0.38	0.12	0.03	0.04	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.53 Plot 11 (2029) Landscaping - 2029	1.21	10.08	17.39	0.03	0.00	0.44	0.44	0.00	0.41	0.41	0.11	0.03	0.03	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.54 Plot 11 (2029) Temporary Utilities - 2029	0.62	6.13	5.22	0.01	0.00	0.25	0.25	0.00	0.23	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	1.78	5.03	8.52	0.01	0.00	0.24	0.24	0.00	0.22	0.22	0.07	0.05	0.06	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.56 Plot 11 (2029) Paving - 2029	3.08	17.20	22.47	0.04	0.00	0.74	0.74	0.00	0.68	0.68	0.12	0.06	0.09	0.01	6.87	0.00	6.88	0.69	0.00	0.69

Localized Emissions	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	24.11	248.72	169.52	0.45	33.72	9.57	43.29	11.32	8.80	20.12
3.3 Plots 5 and 10 (2025) Finish Grading - 2025	0.85	7.13	7.89	0.02	16.07	0.37	16.44	6.89	0.34	7.22
3.4 Plots 5 and 10 (2025) Utilities - 2025	11.03	80.00	114.74	0.37	18.53	3.01	21.54	1.85	2.77	4.62
3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	1.91	17.08	26.88	0.04	11.61	0.69	12.30	1.16	0.65	1.81
3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	5.28	40.63	74.43	0.15	10.08	1.79	11.87	1.01	1.65	2.65
3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2.52	22.21	33.02	0.05	8.37	0.89	9.26	0.84	0.82	1.66
3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2.44	19.38	32.96	0.06	3.54	0.84	4.38	0.35	0.78	1.13
3.9 Plots 5 and 10 (2025) Landscaping - 2025	2.54	20.20	34.82	0.06	3.33	0.89	4.22	0.33	0.82	1.15
3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	1.24	12.26	10.43	0.03	0.00	0.50	0.50	0.00	0.46	0.46
3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	1.99	6.04	10.57	0.02	3.41	0.28	3.70	0.34	0.26	0.60
3.12 Plots 5 and 10 (2025) Paving - 2025	5.03	34.45	45.05	0.09	6.87	1.48	8.35	0.69	1.36	2.05
3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	23.04	238.60	161.26	0.43	23.80	9.18	32.98	6.37	8.45	14.82
3.14 Plots 10 and 8 (2026) Finish Grading - 2026	0.83	7.21	7.96	0.01	13.96	0.37	14.33	5.36	0.34	5.69
3.15 Plots 10 and 8 (2026) Utilities - 2026	6.99	48.95	70.47	0.25	11.78	1.83	13.61	1.18	1.68	2.85
3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	1.21	10.62	16.47	0.03	7.90	0.42	8.32	0.79	0.40	1.19
3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2.76	20.94	38.62	0.08	5.92	0.93	6.85	0.59	0.85	1.44
3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	1.58	13.86	20.56	0.03	5.02	0.55	5.56	0.50	0.50	1.00
3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	1.29	10.11	17.42	0.03	2.62	0.44	3.07	0.26	0.41	0.67
3.20 Plots 10 and 8 (2026) Landscaping - 2026	1.30	10.11	17.43	0.03	3.38	0.44	3.83	0.34	0.41	0.75
3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	0.62	6.13	5.22	0.01	0.00	0.25	0.25	0.00	0.23	0.23
3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	1.93	5.50	9.54	0.02	5.12	0.26	5.37	0.51	0.24	0.75
3.23 Plots 10 and 8 (2026) Paving - 2026	3.15	17.23	22.54	0.05	4.38	0.74	5.12	0.44	0.68	1.12
3.24 Plot 8 (2027) Mass Excavation - 2027	22.96	238.55	161.16	0.42	15.74	9.18	24.93	5.55	8.45	14.00
3.25 Plot 8 (2027) Finish Grading - 2027	0.79	7.19	7.93	0.01	5.93	0.37	6.29	1.91	0.34	2.25
3.26 Plot 8 (2027) Utilities - 2027	5.38	40.03	57.68	0.18	2.52	1.52	4.03	0.25	1.39	1.65
3.27 Plot 8 (2027) Building-Concrete - 2027	1.18	10.42	16.29	0.03	2.09	0.42	2.52	0.21	0.40	0.61
3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2.62	20.85	38.53	0.07	0.88	0.93	1.81	0.09	0.85	0.94
3.29 Plot 8 (2027) Building-Electrical - 2027	1.52	13.72	20.44	0.03	0.83	0.55	1.38	0.08	0.50	0.59
3.30 Plot 8 (2027) Building-Landscaping - 2027	1.23	10.10	17.41	0.03	0.85	0.44	1.30	0.09	0.41	0.49
3.31 Plot 8 (2027) Landscaping - 2027	1.24	10.10	17.42	0.03	1.72	0.44	2.16	0.17	0.41	0.58
3.32 Plot 8 (2027) Temporary Utilities - 2027	0.62	6.13	5.22	0.01	0.00	0.25	0.25	0.00	0.23	0.23
3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	1.37	0.58	1.10	0.00	3.41	0.03	3.44	0.34	0.03	0.37
3.34 Plot 8 (2027) Paving - 2027	3.09	17.20	22.49	0.04	0.95	0.74	1.69	0.09	0.68	0.77
3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	24.18	247.76	169.40	0.45	39.92	9.59	49.51	8.00	8.82	16.82
3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	0.87	7.16	7.94	0.02	10.44	0.37	10.81	2.37	0.34	2.70
3.37 Plots 11 and 6,7 (2028) Utilities - 2028	6.11	40.74	58.31	0.22	32.45	1.52	33.98	3.24	1.40	4.64
3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	1.24	10.24	16.21	0.03	15.60	0.41	16.01	1.56	0.39	1.94
3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	3.07	21.15	38.82	0.10	17.64	0.93	18.58	1.76	0.85	2.62
3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	1.70	14.16	20.81	0.04	14.67	0.55	15.22	1.46	0.50	1.97
3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	1.37	9.73	16.52	0.04	6.19	0.42	6.62	0.62	0.39	1.01
3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	1.40	10.13	17.45	0.04	5.83	0.44	6.27	0.58	0.41	0.99
3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	0.70	6.18	5.27	0.02	3.41	0.25	3.66	0.34	0.23	0.57
3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	1.96	5.12	8.66	0.02	9.44	0.24	9.67	0.94	0.22	1.16
3.45 Plots 11 and 6,7 (2028) Paving - 2028	3.17	17.24	22.54	0.05	5.16	0.74	5.90	0.51	0.68	1.19
3.46 Plot 11 (2029) Mass Excavation - 2029	21.96	228.43	153.03	0.40	32.24	8.80	41.04	7.26	8.10	15.35
3.47 Plot 11 (2029) Finish Grading - 2029	0.85	7.13	7.89	0.02	7.54	0.37	7.91	2.08	0.34	2.41
3.48 Plot 11 (2029) Utilities - 2029	5.77	40.41	58.02	0.20	18.53	1.52	20.05	1.85	1.40	3.25
3.49 Plot 11 (2029) Building-Concrete - 2029	1.14	10.28	16.20	0.03	11.61	0.41	12.02	1.16	0.39	1.54
3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2.86	21.02	38.69	0.09	10.08	0.93	11.01	1.01	0.85	1.86
3.51 Plot 11 (2029) Building-Electrical - 2029	1.61	13.95	20.63	0.03	8.37	0.54	8.91	0.84	0.50	1.34
3.52 Plot 11 (2029) Building-Landscaping - 2029	1.25	9.50	16.03	0.03	3.54	0.41	3.95	0.35	0.38	0.73
3.53 Plot 11 (2029) Landscaping - 2029	1.32	10.11	17.42	0.03	3.33	0.44	3.77	0.33	0.41	0.74
3.54 Plot 11 (2029) Temporary Utilities - 2029	0.62	6.13	5.22	0.01	0.00	0.25	0.25	0.00	0.23	0.23
3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	1.86	5.08	8.58	0.02	3.41	0.24	3.65	0.34	0.22	0.56
3.56 Plot 11 (2029) Paving - 2029	3.19	17.25	22.57	0.05	6.87	0.74	7.61	0.69	0.68	1.37
2025.00	283.36	508.08	560.31	1.34	115.53	20.31	135.84	24.77	18.71	43.47
2026.00	269.11	389.26	387.49	0.97	83.89	15.41	99.30	16.33	14.19	30.52
2027.00	266.41	374.88	365.65	0.85	34.93	14.86	49.79	8.79	13.69	22.48
2028.00	270.19	389.60	381.95	1.01	160.76	15.46	176.22	21.39	14.22	35.61
2029.00	266.84	369.29	364.27	0.90	105.52	14.65	120.17	15.89	13.48	29.37
Daily Maximum	**283.36**	**508.08**	**560.31**	**1.34**	**160.76**	**20.31**	**176.22**	**24.77**	**18.71**	**43.47**
SCAQMD Regional Significance Thresholds	75.00	100.00	550.00	150.00			150.00			55.00
Exceeds Threshold?	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No

	VOC Summary
2025	224.42
2026	224.42
2027	224.42
2028	224.42
2029	224.42

ONSITE Mobile Emissions		ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	1.62E-01	9.69E-02	2.04E-01	7.76E-03	1.27E+01	1.23E-03	1.27E+01	1.27E+00	3.78E-04	1.27E+00	3.90E+01	8.24E-01	6.94E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	8.00E-02	3.11E-02	5.95E-02	4.34E-03	4.12E+00	6.09E-04	4.12E+00	4.11E-01	1.29E-04	4.11E-01	1.28E+01	4.70E-01	2.01E-03
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	4.66E-01	4.33E-01	3.99E-01	2.75E-02	1.85E+01	4.11E-03	1.85E+01	1.85E+00	1.10E-03	1.85E+00	1.17E+02	2.94E+00	2.92E-02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	7.34E-02	3.96E-01	3.68E-01	3.00E-03	1.16E+01	1.12E-03	1.16E+01	1.16E+00	8.43E-04	1.16E+00	9.71E+01	2.40E-01	2.89E-02
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2.77E-01	1.80E-01	1.82E-01	1.63E-02	1.01E+01	2.31E-03	1.01E+01	1.01E+00	5.14E-04	1.01E+00	5.29E+01	1.76E+00	1.18E-02
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	1.25E-01	2.83E-01	2.47E-01	6.97E-03	8.37E+00	1.36E-03	8.37E+00	8.35E-01	6.23E-04	8.36E-01	7.00E+01	7.07E-01	2.01E-02
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	1.25E-01	3.19E-02	4.07E-02	7.50E-03	3.54E+00	9.68E-04	3.54E+00	3.53E-01	1.35E-04	3.53E-01	1.24E+01	8.21E-01	1.67E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	1.08E-01	2.77E-02	3.92E-02	6.44E-03	3.33E+00	8.35E-04	3.33E+00	3.32E-01	1.21E-04	3.33E-01	1.12E+01	7.04E-01	1.48E-03
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	7.67E-02	5.10E-02	6.03E-02	4.37E-03	3.41E+00	6.32E-04	3.41E+00	3.41E-01	1.52E-04	3.41E-01	1.57E+01	4.70E-01	3.39E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	1.23E-01	5.82E-02	1.05E-01	6.54E-03	6.87E+00	9.45E-04	6.88E+00	6.86E-01	2.24E-04	6.86E-01	2.25E+01	7.05E-01	3.90E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	1.96E-01	1.55E-01	1.97E-01	1.06E-02	1.10E+01	1.63E-03	1.10E+01	1.10E+00	4.57E-04	1.10E+00	4.78E+01	1.13E+00	1.06E-02
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	5.76E-02	1.14E-01	1.20E-01	2.89E-03	4.96E+00	5.80E-04	4.96E+00	4.95E-01	2.71E-04	4.96E-01	3.00E+01	2.90E-01	8.17E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	3.01E-01	2.60E-01	2.41E-01	1.76E-02	1.18E+01	2.62E-03	1.18E+01	1.18E+00	6.73E-04	1.18E+00	7.04E+01	1.88E+00	1.74E-02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	6.71E-02	2.67E-01	2.44E-01	3.20E-03	7.90E+00	8.93E-04	7.90E+00	7.88E-01	5.70E-04	7.89E-01	6.48E+01	2.92E-01	1.94E-02
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	1.69E-01	9.76E-02	9.90E-02	9.93E-03	5.92E+00	1.39E-03	5.92E+00	5.91E-01	2.87E-04	5.91E-01	2.89E+01	1.07E+00	6.23E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	8.92E-02	1.48E-01	1.32E-01	5.04E-03	5.02E+00	8.85E-04	5.02E+00	5.01E-01	3.38E-04	5.01E-01	3.71E+01	5.21E-01	1.04E-02
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	8.13E-02	2.85E-02	3.42E-02	4.79E-03	2.62E+00	6.40E-04	2.62E+00	2.62E-01	1.04E-04	2.62E-01	9.93E+00	5.20E-01	1.65E-03
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	8.43E-02	2.81E-02	4.42E-02	4.80E-03	3.38E+00	6.51E-04	3.38E+00	3.38E-01	1.14E-04	3.38E-01	1.09E+01	5.20E-01	1.68E-03
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	8.67E-02	5.92E-02	8.53E-02	4.62E-03	5.12E+00	7.01E-04	5.12E+00	5.11E-01	1.89E-04	5.11E-01	1.96E+01	4.92E-01	4.05E-03
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	7.22E-02	3.57E-02	6.53E-02	3.78E-03	4.38E+00	5.57E-04	4.38E+00	4.38E-01	1.36E-04	4.38E-01	1.38E+01	4.05E-01	2.41E-03
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	1.15E-01	1.07E-01	9.69E-02	6.72E-03	4.63E+00	1.02E-03	4.63E+00	4.62E-01	2.69E-04	4.63E-01	2.82E+01	7.11E-01	7.17E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	1.77E-02	9.80E-02	9.06E-02	7.30E-04	2.90E+00	2.74E-04	2.90E+00	2.90E-01	2.05E-04	2.90E-01	2.33E+01	5.81E-02	7.13E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	6.85E-02	4.46E-02	4.37E-02	3.99E-03	2.52E+00	5.74E-04	2.52E+00	2.51E-01	1.25E-04	2.52E-01	1.27E+01	4.26E-01	2.88E-03
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	3.09E-02	7.01E-02	6.09E-02	1.70E-03	2.09E+00	3.36E-04	2.09E+00	2.09E-01	1.52E-04	2.09E-01	1.68E+01	1.71E-01	4.96E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	3.10E-02	7.86E-03	9.38E-03	1.84E-03	8.85E-01	2.41E-04	8.85E-01	8.83E-02	3.27E-05	8.84E-02	2.97E+00	1.99E-01	3.98E-04
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2.69E-02	6.81E-03	9.03E-03	1.58E-03	8.33E-01	2.08E-04	8.33E-01	8.31E-02	2.92E-05	8.31E-02	2.66E+00	1.70E-01	3.52E-04
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	1.89E-02	1.26E-02	1.44E-02	1.07E-03	8.53E-01	1.57E-04	8.53E-01	8.51E-02	3.69E-05	8.52E-02	3.77E+00	1.14E-01	8.28E-04
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	3.00E-02	1.43E-02	2.46E-02	1.60E-03	1.72E+00	2.34E-04	1.72E+00	1.72E-01	5.33E-05	1.72E-01	5.37E+00	1.71E-01	9.42E-04
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	4.80E-02	3.36E-02	5.44E-02	2.43E-03	3.41E+00	3.83E-04	3.41E+00	3.40E-01	1.11E-04	3.40E-01	1.16E+01	2.56E-01	2.34E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	1.14E-02	6.83E-03	1.41E-02	5.42E-04	9.47E-01	8.68E-05	9.47E-01	9.45E-02	2.62E-05	9.45E-02	2.72E+00	5.70E-02	4.86E-04
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	3.41E-01	2.48E-01	3.81E-01	1.74E-02	2.42E+01	2.75E-03	2.42E+01	2.41E+00	7.89E-04	2.41E+00	8.27E+01	1.82E+00	1.71E-02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	9.56E-02	6.34E-02	1.07E-01	4.82E-03	7.03E+00	7.58E-04	7.03E+00	7.01E-01	2.14E-04	7.01E-01	2.24E+01	5.04E-01	4.40E-03
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	8.05E-01	7.48E-01	6.72E-01	4.66E-02	3.25E+01	7.12E-03	3.25E+01	3.24E+00	1.86E-03	3.24E+00	1.94E+02	4.90E+00	4.99E-02
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	1.71E-01	3.50E-01	3.67E-01	8.52E-03	1.56E+01	1.74E-03	1.56E+01	1.56E+00	8.16E-04	1.56E+00	8.99E+01	8.43E-01	2.51E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	4.78E-01	3.11E-01	3.02E-01	2.77E-02	1.76E+01	4.01E-03	1.76E+01	1.76E+00	8.63E-04	1.76E+00	8.71E+01	2.94E+00	2.00E-02
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2.15E-01	4.90E-01	4.25E-01	1.18E-02	1.47E+01	2.34E-03	1.47E+01	1.46E+00	1.05E-03	1.47E+00	1.16E+02	1.18E+00	3.46E-02
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2.16E-01	5.46E-02	6.34E-02	1.28E-02	6.19E+00	1.68E-03	6.20E+00	6.18E-01	2.25E-04	6.18E-01	2.03E+01	1.37E+00	2.73E-03
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	1.87E-01	4.73E-02	6.11E-02	1.09E-02	5.83E+00	1.45E-03	5.83E+00	5.82E-01	2.00E-04	5.82E-01	1.82E+01	1.17E+00	2.41E-03
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	7.53E-02	5.01E-02	5.64E-02	4.24E-03	3.41E+00	6.25E-04	3.41E+00	3.41E-01	1.45E-04	3.41E-01	1.48E+01	4.48E-01	3.29E-03
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	1.76E-01	9.43E-02	1.38E-01	9.53E-03	9.44E+00	1.40E-03	9.44E+00	9.42E-01	3.16E-04	9.42E-01	3.21E+01	1.01E+00	6.18E-03
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	8.93E-02	4.25E-02	7.17E-02	4.76E-03	5.16E+00	6.96E-04	5.16E+00	5.15E-01	1.56E-04	5.15E-01	1.58E+01	5.04E-01	2.79E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2.05E-01	1.60E-01	2.27E-01	1.07E-02	1.42E+01	1.69E-03	1.42E+01	1.42E+00	4.79E-04	1.42E+00	5.06E+01	1.10E+00	1.10E-02
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	7.76E-02	3.77E-02	5.82E-02	4.20E-03	4.25E+00	6.11E-04	4.25E+00	4.24E-01	1.31E-04	4.24E-01	1.33E+01	4.41E-01	2.44E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	4.58E-01	4.25E-01	3.79E-01	2.65E-02	1.85E+01	4.05E-03	1.85E+01	1.85E+00	1.05E-03	1.85E+00	1.08E+02	2.75E+00	2.82E-02
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	6.86E-02	3.89E-01	3.58E-01	2.85E-03	1.16E+01	1.07E-03	1.16E+01	1.16E+00	7.96E-04	1.16E+00	8.97E+01	2.25E-01	2.82E-02
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2.72E-01	1.77E-01	1.69E-01	1.57E-02	1.01E+01	2.28E-03	1.01E+01	1.01E+00	4.84E-04	1.01E+00	4.87E+01	1.65E+00	1.13E-02
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	1.22E-01	2.78E-01	2.41E-01	6.70E-03	8.37E+00	1.33E-03	8.37E+00	8.35E-01	5.92E-04	8.36E-01	6.47E+01	6.63E-01	1.96E-02
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	1.23E-01	3.10E-02	3.51E-02	7.24E-03	3.54E+00	9.60E-04	3.54E+00	3.53E-01	1.26E-04	3.53E-01	1.14E+01	7.70E-01	1.53E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	1.07E-01	2.69E-02	3.38E-02	6.21E-03	3.33E+00	8.27E-04	3.33E+00	3.32E-01	1.12E-04	3.33E-01	1.02E+01	6.60E-01	1.35E-03
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	7.48E-02	4.98E-02	5.53E-02	4.21E-03	3.41E+00	6.22E-04	3.41E+00	3.41E-01	1.42E-04	3.41E-01	1.45E+01	4.41E-01	3.24E-03
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	1.18E-01	5.62E-02	9.31E-02	6.31E-03	6.87E+00	9.23E-04	6.88E+00	6.86E-01	2.02E-04	6.86E-01	2.06E+01	6.61E-01	3.66E-03

							Haul Starting Evaporative Emission Factors												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Emission Factor (g/min)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1085	4	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	208	1	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	7512	29	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	2191	8	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	5008	19	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	0	0	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	624	2	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	528	2	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	2107.5	8	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	1982	8	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	3677.75	14	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	5008	19	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	1095.5	4	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	2504	10	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	156	1	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	132	1	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	738.25	3	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	342	1	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	1565	6	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	1878	7	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	547.75	2	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	1252	5	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	0	0	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	0	0	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	156	1	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	132	1	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	426.25	2	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	78	0	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	3216.25	12	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	780	3	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	10955	42	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	6162	24	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	3834.25	15	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	8764	34	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	0	0	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	624	2	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	996	4	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	396	2	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	2170	8	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	364	1	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	6260	24	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	7512	29	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	2191	8	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	5008	19	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	0	0	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	0	0	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	0	0	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	624	2	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	528	2	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06

							Daily Emissions													
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1085	4	15	3.38E-06	1.09E-02	2.98E-05	2.49E-09	0.00E+00	3.57E-09	3.57E-09	0.00E+00	3.28E-09	3.28E-09	2.52E-04	1.73E-09	4.91E-08
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	208	1	15	6.47E-07	2.09E-03	5.71E-06	4.78E-10	0.00E+00	6.85E-10	6.85E-10	0.00E+00	6.30E-10	6.30E-10	4.83E-05	3.31E-10	9.41E-09
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	15	1.95E-05	6.30E-02	1.72E-04	1.44E-08	0.00E+00	2.06E-08	2.06E-08	0.00E+00	1.90E-08	1.90E-08	1.45E-03	9.97E-09	2.83E-07
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	7512	29	15	2.34E-05	7.56E-02	2.06E-04	1.73E-08	0.00E+00	2.47E-08	2.47E-08	0.00E+00	2.27E-08	2.27E-08	1.74E-03	1.20E-08	3.40E-07
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	2191	8	15	6.82E-06	2.21E-02	6.01E-05	5.03E-09	0.00E+00	7.21E-09	7.21E-09	0.00E+00	6.63E-09	6.63E-09	5.09E-04	3.49E-09	9.91E-08
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	5008	19	15	1.56E-05	5.04E-02	1.37E-04	1.15E-08	0.00E+00	1.65E-08	1.65E-08	0.00E+00	1.52E-08	1.52E-08	1.16E-03	7.97E-09	2.27E-07
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	624	2	15	1.94E-06	6.28E-03	1.71E-05	1.43E-09	0.00E+00	2.05E-09	2.05E-09	0.00E+00	1.89E-09	1.89E-09	1.45E-04	9.93E-10	2.82E-08
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	528	2	15	1.64E-06	5.32E-03	1.45E-05	1.21E-09	0.00E+00	1.74E-09	1.74E-09	0.00E+00	1.60E-09	1.60E-09	1.23E-04	8.41E-10	2.39E-08
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	2107.5	8	15	5.29E-06	2.12E-02	5.45E-05	4.60E-09	0.00E+00	5.88E-09	5.88E-09	0.00E+00	5.41E-09	5.41E-09	4.65E-04	3.34E-09	6.09E-08
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	1982	8	15	4.97E-06	1.99E-02	5.13E-05	4.33E-09	0.00E+00	5.53E-09	5.53E-09	0.00E+00	5.08E-09	5.08E-09	4.37E-04	3.14E-09	5.73E-08
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	3677.75	14	15	9.23E-06	3.70E-02	9.52E-05	8.03E-09	0.00E+00	1.03E-08	1.03E-08	0.00E+00	9.43E-09	9.43E-09	8.12E-04	5.82E-09	1.06E-07
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	5008	19	15	1.26E-05	5.04E-02	1.30E-04	1.09E-08	0.00E+00	1.40E-08	1.40E-08	0.00E+00	1.28E-08	1.28E-08	1.11E-03	7.93E-09	1.45E-07
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	1095.5	4	15	2.75E-06	1.10E-02	2.84E-05	2.39E-09	0.00E+00	3.06E-09	3.06E-09	0.00E+00	2.81E-09	2.81E-09	2.42E-04	1.73E-09	3.17E-08
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	2504	10	15	6.28E-06	2.52E-02	6.48E-05	5.47E-09	0.00E+00	6.99E-09	6.99E-09	0.00E+00	6.42E-09	6.42E-09	5.53E-04	3.96E-09	7.24E-08
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	156	1	15	3.91E-07	1.57E-03	4.04E-06	3.41E-10	0.00E+00	4.35E-10	4.35E-10	0.00E+00	4.00E-10	4.00E-10	3.44E-05	2.47E-10	4.51E-09
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	132	1	15	3.31E-07	1.33E-03	3.42E-06	2.88E-10	0.00E+00	3.68E-10	3.68E-10	0.00E+00	3.39E-10	3.39E-10	2.91E-05	2.09E-10	3.82E-09
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	738.25	3	15	1.85E-06	7.43E-03	1.91E-05	1.61E-09	0.00E+00	2.06E-09	2.06E-09	0.00E+00	1.89E-09	1.89E-09	1.63E-04	1.17E-09	2.13E-08
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	342	1	15	8.58E-07	3.44E-03	8.85E-06	7.47E-10	0.00E+00	9.54E-10	9.54E-10	0.00E+00	8.77E-10	8.77E-10	7.55E-05	5.41E-10	9.89E-09
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	1565	6	15	3.44E-06	1.57E-02	4.08E-05	3.37E-09	0.00E+00	4.05E-09	4.05E-09	0.00E+00	3.73E-09	3.73E-09	3.41E-04	2.46E-09	3.82E-08
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	1878	7	15	4.13E-06	1.89E-02	4.90E-05	4.04E-09	0.00E+00	4.87E-09	4.87E-09	0.00E+00	4.47E-09	4.47E-09	4.09E-04	2.95E-09	4.59E-08
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	547.75	2	15	1.21E-06	5.51E-03	1.43E-05	1.18E-09	0.00E+00	1.42E-09	1.42E-09	0.00E+00	1.30E-09	1.30E-09	1.19E-04	8.59E-10	1.34E-08
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	1252	5	15	2.75E-06	1.26E-02	3.27E-05	2.70E-09	0.00E+00	3.24E-09	3.24E-09	0.00E+00	2.98E-09	2.98E-09	2.72E-04	1.96E-09	3.06E-08
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	156	1	15	3.43E-07	1.57E-03	4.07E-06	3.36E-10	0.00E+00	4.04E-10	4.04E-10	0.00E+00	3.72E-10	3.72E-10	3.39E-05	2.45E-10	3.81E-09
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	132	1	15	2.90E-07	1.33E-03	3.44E-06	2.84E-10	0.00E+00	3.42E-10	3.42E-10	0.00E+00	3.14E-10	3.14E-10	2.87E-05	2.07E-10	3.22E-09
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	426.25	2	15	9.38E-07	4.29E-03	1.11E-05	9.18E-10	0.00E+00	1.10E-09	1.10E-09	0.00E+00	1.02E-09	1.02E-09	9.28E-05	6.69E-10	1.04E-08
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	78	0	15	1.72E-07	7.85E-04	2.03E-06	1.68E-10	0.00E+00	2.02E-10	2.02E-10	0.00E+00	1.86E-10	1.86E-10	1.70E-05	1.22E-10	1.90E-09
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	3216.25	12	15	6.49E-06	3.25E-02	8.41E-05	6.93E-09	0.00E+00	8.15E-09	8.15E-09	0.00E+00	7.49E-09	7.49E-09	7.00E-04	5.05E-09	6.58E-08
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	780	3	15	1.57E-06	7.88E-03	2.04E-05	1.68E-09	0.00E+00	1.98E-09	1.98E-09	0.00E+00	1.82E-09	1.82E-09	1.70E-04	1.22E-09	1.60E-08
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	10955	42	15	2.21E-05	1.11E-01	2.86E-04	2.36E-08	0.00E+00	2.78E-08	2.78E-08	0.00E+00	2.55E-08	2.55E-08	2.39E-03	1.72E-08	2.24E-07
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	6162	24	15	1.24E-05	6.23E-02	1.61E-04	1.33E-08	0.00E+00	1.56E-08	1.56E-08	0.00E+00	1.44E-08	1.44E-08	1.34E-03	9.68E-09	1.26E-07
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	3834.25	15	15	7.74E-06	3.87E-02	1.00E-04	8.26E-09	0.00E+00	9.72E-09	9.72E-09	0.00E+00	8.93E-09	8.93E-09	8.35E-04	6.02E-09	7.85E-08
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	8764	34	15	1.77E-05	8.85E-02	2.29E-04	1.89E-08	0.00E+00	2.22E-08	2.22E-08	0.00E+00	2.04E-08	2.04E-08	1.91E-03	1.38E-08	1.79E-07
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	624	2	15	1.26E-06	6.30E-03	1.63E-05	1.34E-09	0.00E+00	1.58E-09	1.58E-09	0.00E+00	1.45E-09	1.45E-09	1.36E-04	9.80E-10	1.28E-08
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	996	4	15	2.01E-06	1.01E-02	2.60E-05	2.15E-09	0.00E+00	2.52E-09	2.52E-09	0.00E+00	2.32E-09	2.32E-09	2.17E-04	1.56E-09	2.04E-08
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	396	2	15	7.99E-07	4.00E-03	1.04E-05	8.53E-10	0.00E+00	1.00E-09	1.00E-09	0.00E+00	9.23E-10	9.23E-10	8.62E-05	6.22E-10	8.11E-09
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	2170	8	15	3.90E-06	2.19E-02	5.63E-05	4.63E-09	0.00E+00	5.20E-09	5.20E-09	0.00E+00	4.78E-09	4.78E-09	4.68E-04	3.38E-09	3.73E-08
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	364	1	15	6.55E-07	3.67E-03	9.45E-06	7.77E-10	0.00E+00	8.73E-10	8.73E-10	0.00E+00	8.02E-10	8.02E-10	7.86E-05	5.67E-10	6.26E-09
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	6260	24	15	1.13E-05	6.30E-02	1.63E-04	1.34E-08	0.00E+00	1.50E-08	1.50E-08	0.00E+00	1.38E-08	1.38E-08	1.35E-03	9.75E-09	1.08E-07
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	7512	29	15	1.35E-05	7.57E-02	1.95E-04	1.60E-08	0.00E+00	1.80E-08	1.80E-08	0.00E+00	1.66E-08	1.66E-08	1.62E-03	1.17E-08	1.29E-07
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	2191	8	15	3.94E-06	2.21E-02	5.69E-05	4.68E-09	0.00E+00	5.25E-09	5.25E-09	0.00E+00	4.83E-09	4.83E-09	4.73E-04	3.41E-09	3.77E-08
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	5008	19	15	9.01E-06	5.04E-02	1.30E-04	1.07E-08	0.00E+00	1.20E-08	1.20E-08	0.00E+00	1.10E-08	1.10E-08	1.08E-03	7.80E-09	8.62E-08
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	624	2	15	1.12E-06	6.28E-03	1.62E-05	1.33E-09	0.00E+00	1.50E-09	1.50E-09	0.00E+00	1.38E-09	1.38E-09	1.35E-04	9.72E-10	1.07E-08
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	528	2	15	9.50E-07	5.32E-03	1.37E-05	1.13E-09	0.00E+00	1.27E-09	1.27E-09	0.00E+00	1.16E-09	1.16E-09	1.14E-04	8.23E-10	9.09E-09

							Haul Idling Emission Factors												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Emission Factor (g/min)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1085	4	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	208	1	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	7512	29	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	2191	8	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	5008	19	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	0	0	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	624	2	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	528	2	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	2107.5	8	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	1982	8	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	3677.75	14	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	5008	19	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	1095.5	4	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	2504	10	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	156	1	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	132	1	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	738.25	3	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	342	1	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	1565	6	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	1878	7	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	547.75	2	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	1252	5	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	0	0	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	0	0	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	156	1	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	132	1	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	426.25	2	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	78	0	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	3216.25	12	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	780	3	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	10955	42	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	6162	24	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	3834.25	15	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	8764	34	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	0	0	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	624	2	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	996	4	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	396	2	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	2170	8	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	364	1	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	6260	24	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	7512	29	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	2191	8	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	5008	19	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	0	0	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	0	0	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	0	0	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	624	2	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	528	2	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1085	4	15	2.58E-03	3.29E-02	3.97E-02	5.75E-05	0.00E+00	1.59E-05	1.59E-05	0.00E+00	1.52E-05	1.52E-05	6.33E+00	2.27E-04	3.04E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	208	1	15	4.95E-04	6.31E-03	7.61E-03	1.10E-05	0.00E+00	3.05E-06	3.05E-06	0.00E+00	2.92E-06	2.92E-06	1.21E+00	4.35E-05	5.84E-04
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	15	1.49E-02	1.90E-01	2.29E-01	3.32E-04	0.00E+00	9.19E-05	9.19E-05	0.00E+00	8.79E-05	8.79E-05	3.66E+01	1.31E-03	1.76E-02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	7512	29	15	1.79E-02	2.28E-01	2.75E-01	3.98E-04	0.00E+00	1.10E-04	1.10E-04	0.00E+00	1.06E-04	1.06E-04	4.39E+01	1.57E-03	2.11E-02
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	2191	8	15	5.21E-03	6.64E-02	8.02E-02	1.16E-04	0.00E+00	3.22E-05	3.22E-05	0.00E+00	3.08E-05	3.08E-05	1.28E+01	4.58E-04	6.15E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	5008	19	15	1.19E-02	1.52E-01	1.83E-01	2.65E-04	0.00E+00	7.35E-05	7.35E-05	0.00E+00	7.04E-05	7.04E-05	2.92E+01	1.05E-03	1.41E-02
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	624	2	15	1.48E-03	1.89E-02	2.28E-02	3.31E-05	0.00E+00	9.16E-06	9.16E-06	0.00E+00	8.77E-06	8.77E-06	3.64E+00	1.30E-04	1.75E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	528	2	15	1.26E-03	1.60E-02	1.93E-02	2.80E-05	0.00E+00	7.75E-06	7.75E-06	0.00E+00	7.42E-06	7.42E-06	3.08E+00	1.10E-04	1.48E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	2107.5	8	15	5.00E-03	6.37E-02	7.72E-02	1.10E-04	0.00E+00	2.99E-05	2.99E-05	0.00E+00	2.86E-05	2.86E-05	1.21E+01	4.45E-04	5.91E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	1982	8	15	4.71E-03	6.00E-02	7.26E-02	1.03E-04	0.00E+00	2.81E-05	2.81E-05	0.00E+00	2.69E-05	2.69E-05	1.14E+01	4.18E-04	5.56E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	3677.75	14	15	8.73E-03	1.11E-01	1.35E-01	1.91E-04	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.99E-05	4.99E-05	2.11E+01	7.76E-04	1.03E-02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	5008	19	15	1.19E-02	1.51E-01	1.83E-01	2.61E-04	0.00E+00	7.11E-05	7.11E-05	0.00E+00	6.80E-05	6.80E-05	2.88E+01	1.06E-03	1.40E-02
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	1095.5	4	15	2.60E-03	3.31E-02	4.01E-02	5.70E-05	0.00E+00	1.55E-05	1.55E-05	0.00E+00	1.49E-05	1.49E-05	6.29E+00	2.31E-04	3.07E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	2504	10	15	5.95E-03	7.57E-02	9.17E-02	1.30E-04	0.00E+00	3.55E-05	3.55E-05	0.00E+00	3.40E-05	3.40E-05	1.44E+01	5.28E-04	7.02E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	156	1	15	3.70E-04	4.72E-03	5.71E-03	8.12E-06	0.00E+00	2.21E-06	2.21E-06	0.00E+00	2.12E-06	2.12E-06	8.96E-01	3.29E-05	4.37E-04
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	132	1	15	3.13E-04	3.99E-03	4.83E-03	6.87E-06	0.00E+00	1.87E-06	1.87E-06	0.00E+00	1.79E-06	1.79E-06	7.58E-01	2.78E-05	3.70E-04
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	738.25	3	15	1.75E-03	2.23E-02	2.70E-02	3.84E-05	0.00E+00	1.05E-05	1.05E-05	0.00E+00	1.00E-05	1.00E-05	4.24E+00	1.56E-04	2.07E-03
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	342	1	15	8.12E-04	1.03E-02	1.25E-02	1.78E-05	0.00E+00	4.85E-06	4.85E-06	0.00E+00	4.64E-06	4.64E-06	1.96E+00	7.22E-05	9.59E-04
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	1565	6	15	3.71E-03	4.72E-02	5.74E-02	7.99E-05	0.00E+00	2.15E-05	2.15E-05	0.00E+00	2.06E-05	2.06E-05	8.84E+00	3.33E-04	4.39E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	1878	7	15	4.45E-03	5.67E-02	6.88E-02	9.59E-05	0.00E+00	2.58E-05	2.58E-05	0.00E+00	2.47E-05	2.47E-05	1.06E+01	4.00E-04	5.26E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	547.75	2	15	1.30E-03	1.65E-02	2.01E-02	2.80E-05	0.00E+00	7.53E-06	7.53E-06	0.00E+00	7.21E-06	7.21E-06	3.09E+00	1.17E-04	1.54E-03
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	1252	5	15	2.97E-03	3.78E-02	4.59E-02	6.39E-05	0.00E+00	1.72E-05	1.72E-05	0.00E+00	1.65E-05	1.65E-05	7.07E+00	2.66E-04	3.51E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	156	1	15	3.70E-04	4.71E-03	5.72E-03	7.97E-06	0.00E+00	2.15E-06	2.15E-06	0.00E+00	2.05E-06	2.05E-06	8.81E-01	3.32E-05	4.37E-04
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	132	1	15	3.13E-04	3.98E-03	4.84E-03	6.74E-06	0.00E+00	1.82E-06	1.82E-06	0.00E+00	1.74E-06	1.74E-06	7.45E-01	2.81E-05	3.70E-04
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	426.25	2	15	1.01E-03	1.29E-02	1.56E-02	2.18E-05	0.00E+00	5.86E-06	5.86E-06	0.00E+00	5.61E-06	5.61E-06	2.41E+00	9.07E-05	1.19E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	78	0	15	1.85E-04	2.35E-03	2.86E-03	3.98E-06	0.00E+00	1.07E-06	1.07E-06	0.00E+00	1.03E-06	1.03E-06	4.40E-01	1.66E-05	2.19E-04
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	3216.25	12	15	7.65E-03	9.73E-02	1.18E-01	1.62E-04	0.00E+00	4.32E-05	4.32E-05	0.00E+00	4.14E-05	4.14E-05	1.79E+01	6.94E-04	9.04E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	780	3	15	1.85E-03	2.36E-02	2.87E-02	3.92E-05	0.00E+00	1.05E-05	1.05E-05	0.00E+00	1.00E-05	1.00E-05	4.34E+00	1.68E-04	2.19E-03
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	10955	42	15	2.60E-02	3.31E-01	4.03E-01	5.51E-04	0.00E+00	1.47E-04	1.47E-04	0.00E+00	1.41E-04	1.41E-04	6.10E+01	2.36E-03	3.08E-02
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	6162	24	15	1.46E-02	1.86E-01	2.27E-01	3.10E-04	0.00E+00	8.28E-05	8.28E-05	0.00E+00	7.92E-05	7.92E-05	3.43E+01	1.33E-03	1.73E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	3834.25	15	15	9.11E-03	1.16E-01	1.41E-01	1.93E-04	0.00E+00	5.15E-05	5.15E-05	0.00E+00	4.93E-05	4.93E-05	2.13E+01	8.27E-04	1.08E-02
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	8764	34	15	2.08E-02	2.65E-01	3.23E-01	4.41E-04	0.00E+00	1.18E-04	1.18E-04	0.00E+00	1.13E-04	1.13E-04	4.88E+01	1.89E-03	2.46E-02
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	624	2	15	1.48E-03	1.89E-02	2.30E-02	3.14E-05	0.00E+00	8.39E-06	8.39E-06	0.00E+00	8.02E-06	8.02E-06	3.47E+00	1.35E-04	1.75E-03
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	996	4	15	2.37E-03	3.01E-02	3.67E-02	5.01E-05	0.00E+00	1.34E-05	1.34E-05	0.00E+00	1.28E-05	1.28E-05	5.54E+00	2.15E-04	2.80E-03
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	396	2	15	9.41E-04	1.20E-02	1.46E-02	1.99E-05	0.00E+00	5.32E-06	5.32E-06	0.00E+00	5.09E-06	5.09E-06	2.20E+00	8.54E-05	1.11E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	2170	8	15	5.13E-03	6.53E-02	7.97E-02	1.07E-04	0.00E+00	2.83E-05	2.83E-05	0.00E+00	2.70E-05	2.70E-05	1.18E+01	4.71E-04	6.08E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	364	1	15	8.61E-04	1.09E-02	1.34E-02	1.79E-05	0.00E+00	4.74E-06	4.74E-06	0.00E+00	4.54E-06	4.54E-06	1.98E+00	7.90E-05	1.02E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	6260	24	15	1.48E-02	1.88E-01	2.30E-01	3.07E-04	0.00E+00	8.15E-05	8.15E-05	0.00E+00	7.80E-05	7.80E-05	3.41E+01	1.36E-03	1.75E-02
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	7512	29	15	1.78E-02	2.26E-01	2.76E-01	3.69E-04	0.00E+00	9.79E-05	9.79E-05	0.00E+00	9.36E-05	9.36E-05	4.09E+01	1.63E-03	2.10E-02
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	2191	8	15	5.18E-03	6.59E-02	8.04E-02	1.08E-04	0.00E+00	2.85E-05	2.85E-05	0.00E+00	2.73E-05	2.73E-05	1.19E+01	4.75E-04	6.13E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	5008	19	15	1.18E-02	1.51E-01	1.84E-01	2.46E-04	0.00E+00	6.52E-05	6.52E-05	0.00E+00	6.24E-05	6.24E-05	2.73E+01	1.09E-03	1.40E-02
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	624	2	15	1.48E-03	1.88E-02	2.29E-02	3.06E-05	0.00E+00	8.13E-06	8.13E-06	0.00E+00	7.78E-06	7.78E-06	3.40E+00	1.35E-04	1.75E-03
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	528	2	15	1.25E-03	1.59E-02	1.94E-02	2.59E-05	0.00E+00	6.88E-06	6.88E-06	0.00E+00	6.58E-06	6.58E-06	2.87E+00	1.15E-04	1.48E-03

							Haul Running Emission Factors											
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission Factor (g/mile)											
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1085	4	0.5	2.32E-02	2.45E+00	4.44E-01	1.19E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	208	1	0.5	2.32E-02	2.45E+00	4.44E-01	1.19E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	0.5	2.32E-02	2.45E+00	4.44E-01	1.19E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	7512	29	0.5	2.32E-02	2.45E+00	4.44E-01	1.19E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	2191	8	0.5	2.32E-02	2.45E+00	4.44E-01	1.19E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	5008	19	0.5	2.32E-02	2.45E+00	4.44E-01	1.19E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	0	0	0.5	2.32E-02	2.45E+00	4.44E-01	1.19E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	0.5	2.32E-02	2.45E+00	4.44E-01	1.19E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	0.5	2.32E-02	2.45E+00	4.44E-01	1.19E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	624	2	0.5	2.32E-02	2.45E+00	4.44E-01	1.19E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	528	2	0.5	2.32E-02	2.45E+00	4.44E-01	1.19E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.32E+03	7.83E-02	2.10E-01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	2107.5	8	0.5	2.28E-02	2.42E+00	4.52E-01	1.17E-02	1.89E+02	2.04E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	1982	8	0.5	2.28E-02	2.42E+00	4.52E-01	1.17E-02	1.89E+02	2.04E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	3677.75	14	0.5	2.28E-02	2.42E+00	4.52E-01	1.17E-02	1.89E+02	2.04E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	5008	19	0.5	2.28E-02	2.42E+00	4.52E-01	1.17E-02	1.89E+02	2.04E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	1095.5	4	0.5	2.28E-02	2.42E+00	4.52E-01	1.17E-02	1.89E+02	2.04E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	2504	10	0.5	2.28E-02	2.42E+00	4.52E-01	1.17E-02	1.89E+02	2.04E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	156	1	0.5	2.28E-02	2.42E+00	4.52E-01	1.17E-02	1.89E+02	2.04E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	132	1	0.5	2.28E-02	2.42E+00	4.52E-01	1.17E-02	1.89E+02	2.04E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	0.5	2.28E-02	2.42E+00	4.52E-01	1.17E-02	1.89E+02	2.04E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	738.25	3	0.5	2.28E-02	2.42E+00	4.52E-01	1.17E-02	1.89E+02	2.04E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	342	1	0.5	2.28E-02	2.42E+00	4.52E-01	1.17E-02	1.89E+02	2.04E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.29E+03	7.86E-02	2.06E-01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	1565	6	0.5	2.24E-02	2.39E+00	4.58E-01	1.14E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	1878	7	0.5	2.24E-02	2.39E+00	4.58E-01	1.14E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	547.75	2	0.5	2.24E-02	2.39E+00	4.58E-01	1.14E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	1252	5	0.5	2.24E-02	2.39E+00	4.58E-01	1.14E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	0	0	0.5	2.24E-02	2.39E+00	4.58E-01	1.14E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	0	0	0.5	2.24E-02	2.39E+00	4.58E-01	1.14E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	156	1	0.5	2.24E-02	2.39E+00	4.58E-01	1.14E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	132	1	0.5	2.24E-02	2.39E+00	4.58E-01	1.14E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	0.5	2.24E-02	2.39E+00	4.58E-01	1.14E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	426.25	2	0.5	2.24E-02	2.39E+00	4.58E-01	1.14E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	78	0	0.5	2.24E-02	2.39E+00	4.58E-01	1.14E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.27E+03	7.87E-02	2.01E-01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	3216.25	12	0.5	2.21E-02	2.36E+00	4.64E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	780	3	0.5	2.21E-02	2.36E+00	4.64E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	10955	42	0.5	2.21E-02	2.36E+00	4.64E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	6162	24	0.5	2.21E-02	2.36E+00	4.64E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	3834.25	15	0.5	2.21E-02	2.36E+00	4.64E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	8764	34	0.5	2.21E-02	2.36E+00	4.64E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	0	0	0.5	2.21E-02	2.36E+00	4.64E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	0.5	2.21E-02	2.36E+00	4.64E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	624	2	0.5	2.21E-02	2.36E+00	4.64E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	996	4	0.5	2.21E-02	2.36E+00	4.64E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	396	2	0.5	2.21E-02	2.36E+00	4.64E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.24E+03	7.90E-02	1.97E-01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	2170	8	0.5	2.17E-02	2.33E+00	4.70E-01	1.09E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	364	1	0.5	2.17E-02	2.33E+00	4.70E-01	1.09E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	6260	24	0.5	2.17E-02	2.33E+00	4.70E-01	1.09E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	7512	29	0.5	2.17E-02	2.33E+00	4.70E-01	1.09E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	2191	8	0.5	2.17E-02	2.33E+00	4.70E-01	1.09E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	5008	19	0.5	2.17E-02	2.33E+00	4.70E-01	1.09E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	0	0	0.5	2.17E-02	2.33E+00	4.70E-01	1.09E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	0	0	0.5	2.17E-02	2.33E+00	4.70E-01	1.09E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	0	0	0.5	2.17E-02	2.33E+00	4.70E-01	1.09E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	624	2	0.5	2.17E-02	2.33E+00	4.70E-01	1.09E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	528	2	0.5	2.17E-02	2.33E+00	4.70E-01	1.09E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.21E+03	7.93E-02	1.93E-01

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1085	4	0.5	1.06E-04	1.12E-02	2.03E-03	5.47E-05	8.66E-01	9.40E-05	8.66E-01	8.64E-02	9.00E-05	8.65E-02	6.04E+00	3.59E-04	9.60E-04
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	208	1	0.5	2.04E-05	2.15E-03	3.90E-04	1.05E-05	1.66E-01	1.80E-05	1.66E-01	1.66E-02	1.72E-05	1.66E-02	1.16E+00	6.87E-05	1.84E-04
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	0.5	6.13E-04	6.47E-02	1.17E-02	3.16E-04	4.99E+00	5.42E-04	4.99E+00	4.99E-01	5.19E-04	4.99E-01	3.48E+01	2.07E-03	5.54E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	7512	29	0.5	7.35E-04	7.77E-02	1.41E-02	3.79E-04	5.99E+00	6.51E-04	5.99E+00	5.98E-01	6.23E-04	5.99E-01	4.18E+01	2.48E-03	6.65E-03
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	2191	8	0.5	2.14E-04	2.27E-02	4.11E-03	1.10E-04	1.75E+00	1.90E-04	1.75E+00	1.74E-01	1.82E-04	1.75E-01	1.22E+01	7.24E-04	1.94E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	5008	19	0.5	4.90E-04	5.18E-02	9.39E-03	2.53E-04	4.00E+00	4.34E-04	4.00E+00	3.99E-01	4.15E-04	3.99E-01	2.79E+01	1.66E-03	4.43E-03
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	624	2	0.5	6.11E-05	6.45E-03	1.17E-03	3.15E-05	4.98E-01	5.41E-05	4.98E-01	4.97E-02	5.17E-05	4.97E-02	3.47E+00	2.06E-04	5.52E-04
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	528	2	0.5	5.17E-05	5.46E-03	9.90E-04	2.66E-05	4.21E-01	4.58E-05	4.21E-01	4.21E-02	4.38E-05	4.21E-02	2.94E+00	1.75E-04	4.67E-04
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	2107.5	8	0.5	2.03E-04	2.15E-02	4.02E-03	1.04E-04	1.68E+00	1.82E-04	1.68E+00	1.68E-01	1.74E-04	1.68E-01	1.15E+01	7.00E-04	1.83E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	1982	8	0.5	1.91E-04	2.03E-02	3.78E-03	9.79E-05	1.58E+00	1.71E-04	1.58E+00	1.58E-01	1.64E-04	1.58E-01	1.08E+01	6.58E-04	1.72E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	3677.75	14	0.5	3.54E-04	3.76E-02	7.02E-03	1.82E-04	2.93E+00	3.17E-04	2.93E+00	2.93E-01	3.03E-04	2.93E-01	2.01E+01	1.22E-03	3.19E-03
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	5008	19	0.5	4.82E-04	5.12E-02	9.56E-03	2.47E-04	4.00E+00	4.32E-04	4.00E+00	3.99E-01	4.13E-04	3.99E-01	2.73E+01	1.66E-03	4.35E-03
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	1095.5	4	0.5	1.05E-04	1.12E-02	2.09E-03	5.41E-05	8.74E-01	9.45E-05	8.74E-01	8.72E-02	9.04E-05	8.73E-02	5.98E+00	3.64E-04	9.51E-04
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	2504	10	0.5	2.41E-04	2.56E-02	4.78E-03	1.24E-04	2.00E+00	2.16E-04	2.00E+00	1.99E-01	2.07E-04	2.00E-01	1.37E+01	8.32E-04	2.17E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	156	1	0.5	1.50E-05	1.59E-03	2.98E-04	7.71E-06	1.24E-01	1.35E-05	1.24E-01	1.24E-02	1.29E-05	1.24E-02	8.51E-01	5.18E-05	1.35E-04
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	132	1	0.5	1.27E-05	1.35E-03	2.52E-04	6.52E-06	1.05E-01	1.14E-05	1.05E-01	1.05E-02	1.09E-05	1.05E-02	7.20E-01	4.38E-05	1.15E-04
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	738.25	3	0.5	7.10E-05	7.54E-03	1.41E-03	3.65E-05	5.89E-01	6.37E-05	5.89E-01	5.88E-02	6.09E-05	5.89E-02	4.03E+00	2.45E-04	6.41E-04
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	342	1	0.5	3.29E-05	3.49E-03	6.53E-04	1.69E-05	2.73E-01	2.95E-05	2.73E-01	2.72E-02	2.82E-05	2.73E-02	1.87E+00	1.14E-04	2.97E-04
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	1565	6	0.5	1.48E-04	1.58E-02	3.03E-03	7.56E-05	1.25E+00	1.34E-04	1.25E+00	1.25E-01	1.28E-04	1.25E-01	8.37E+00	5.20E-04	1.33E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	1878	7	0.5	1.78E-04	1.90E-02	3.63E-03	9.08E-05	1.50E+00	1.61E-04	1.50E+00	1.50E-01	1.54E-04	1.50E-01	1.00E+01	6.24E-04	1.60E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	547.75	2	0.5	5.18E-05	5.53E-03	1.06E-03	2.65E-05	4.37E-01	4.69E-05	4.37E-01	4.36E-02	4.49E-05	4.37E-02	2.93E+00	1.82E-04	4.66E-04
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	1252	5	0.5	1.18E-04	1.26E-02	2.42E-03	6.05E-05	9.99E-01	1.07E-04	9.99E-01	9.97E-02	1.03E-04	9.98E-02	6.69E+00	4.16E-04	1.06E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	156	1	0.5	1.47E-05	1.57E-03	3.02E-04	7.54E-06	1.24E-01	1.34E-05	1.24E-01	1.24E-02	1.28E-05	1.24E-02	8.34E-01	5.18E-05	1.33E-04
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	132	1	0.5	1.25E-05	1.33E-03	2.55E-04	6.38E-06	1.05E-01	1.13E-05	1.05E-01	1.05E-02	1.08E-05	1.05E-02	7.06E-01	4.39E-05	1.12E-04
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	426.25	2	0.5	4.03E-05	4.30E-03	8.25E-04	2.06E-05	3.40E-01	3.65E-05	3.40E-01	3.39E-02	3.49E-05	3.40E-02	2.28E+00	1.42E-04	3.63E-04
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	78	0	0.5	7.37E-06	7.87E-04	1.51E-04	3.77E-06	6.22E-02	6.68E-06	6.22E-02	6.21E-03	6.39E-06	6.22E-03	4.17E-01	2.59E-05	6.63E-05
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	3216.25	12	0.5	3.01E-04	3.22E-02	6.33E-03	1.53E-04	2.58E+00	2.75E-04	2.58E+00	2.57E-01	2.63E-04	2.57E-01	1.69E+01	1.08E-03	2.69E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	780	3	0.5	7.29E-05	7.81E-03	1.54E-03	3.70E-05	6.25E-01	6.66E-05	6.25E-01	6.24E-02	6.37E-05	6.24E-02	4.10E+00	2.61E-04	6.52E-04
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	10955	42	0.5	1.02E-03	1.10E-01	2.16E-02	5.20E-04	8.77E+00	9.35E-04	8.77E+00	8.76E-01	8.95E-04	8.77E-01	5.76E+01	3.67E-03	9.16E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	6162	24	0.5	5.76E-04	6.17E-02	1.21E-02	2.92E-04	4.93E+00	5.26E-04	4.94E+00	4.93E-01	5.03E-04	4.93E-01	3.24E+01	2.06E-03	5.15E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	3834.25	15	0.5	3.59E-04	3.84E-02	7.55E-03	1.82E-04	3.07E+00	3.27E-04	3.07E+00	3.07E-01	3.13E-04	3.07E-01	2.01E+01	1.28E-03	3.21E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	8764	34	0.5	8.19E-04	8.77E-02	1.73E-02	4.16E-04	7.02E+00	7.48E-04	7.02E+00	7.01E-01	7.16E-04	7.01E-01	4.60E+01	2.94E-03	7.33E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	624	2	0.5	5.83E-05	6.25E-03	1.23E-03	2.96E-05	5.00E-01	5.33E-05	5.00E-01	4.99E-02	5.10E-05	4.99E-02	3.28E+00	2.09E-04	5.22E-04
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	996	4	0.5	9.31E-05	9.97E-03	1.96E-03	4.73E-05	7.98E-01	8.50E-05	7.98E-01	7.96E-02	8.13E-05	7.97E-02	5.23E+00	3.34E-04	8.33E-04
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	396	2	0.5	3.70E-05	3.96E-03	7.80E-04	1.88E-05	3.17E-01	3.38E-05	3.17E-01	3.17E-02	3.23E-05	3.17E-02	2.08E+00	1.33E-04	3.31E-04
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	2170	8	0.5	1.99E-04	2.14E-02	4.31E-03	1.00E-04	1.73E+00	1.83E-04	1.73E+00	1.73E-01	1.75E-04	1.73E-01	1.11E+01	7.27E-04	1.77E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	364	1	0.5	3.34E-05	3.59E-03	7.23E-04	1.68E-05	2.90E-01	3.07E-05	2.90E-01	2.90E-02	2.94E-05	2.90E-02	1.87E+00	1.22E-04	2.97E-04
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	6260	24	0.5	5.74E-04	6.17E-02	1.24E-02	2.89E-04	4.99E+00	5.28E-04	4.99E+00	4.99E-01	5.05E-04	4.99E-01	3.21E+01	2.10E-03	5.11E-03
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	7512	29	0.5	6.89E-04	7.40E-02	1.49E-02	3.47E-04	5.99E+00	6.33E-04	5.99E+00	5.98E-01	6.06E-04	5.99E-01	3.85E+01	2.52E-03	6.13E-03
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	2191	8	0.5	2.01E-04	2.16E-02	4.35E-03	1.01E-04	1.75E+00	1.85E-04	1.75E+00	1.74E-01	1.77E-04	1.75E-01	1.12E+01	7.34E-04	1.79E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	5008	19	0.5	4.60E-04	4.93E-02	9.94E-03	2.32E-04	4.00E+00	4.22E-04	4.00E+00	3.99E-01	4.04E-04	3.99E-01	2.57E+01	1.68E-03	4.09E-03
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	624	2	0.5	5.73E-05	6.15E-03	1.24E-03	2.89E-05	4.98E-01	5.26E-05	4.98E-01	4.97E-02	5.03E-05	4.97E-02	3.20E+00	2.09E-04	5.09E-04
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	528	2	0.5	4.85E-05	5.20E-03	1.05E-03	2.44E-05	4.21E-01	4.45E-05	4.21E-01	4.21E-02	4.26E-05	4.21E-02	2.71E+00	1.77E-04	4.31E-04

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Vendor Starting/Evaporative Emission Factors ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/trip)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 20	2025	7	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	4	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2	2025	2	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilitie	2025	15	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2	2025	6	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping	2025	7	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	6	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities	2025	0	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Appr	2025	4	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	6	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2	2026	9.75	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 202	2026	2.5	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	16.25	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete -	2026	2.5	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utiliti	2026	9.25	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical -	2026	4.5	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscapi	2026	4.5	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	4.5	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities	2026	0	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Appr	2026	4.25	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	3.5	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	6.25	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	0.5	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	3.75	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	1.5	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	1.75	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	1.5	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	1	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	1.5	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches -	2027	2.25	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	0.5	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation -	2028	16.25	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2	2028	4.5	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	43.75	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete	2028	7.5	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Util	2028	26.25	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrica	2028	10.5	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscap	2028	12.25	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 202	2028	10.5	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utiliti	2028	4	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Ap	2028	9	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	4.5	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	4	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	2	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 202	2029	15	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	6	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 202	2029	7	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	6	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches	2029	4	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	6	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 20	2025	7	0.5	15	6.74E-04	1.55E-02	4.12E-03	3.92E-07	0.00E+00	4.25E-07	4.25E-07	0.00E+00	3.91E-07	3.91E-07	3.97E-02	3.81E-05	3.15E-05
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	4	0.5	15	3.85E-04	8.88E-03	2.35E-03	2.24E-07	0.00E+00	2.43E-07	2.43E-07	0.00E+00	2.23E-07	2.23E-07	2.27E-02	2.18E-05	1.80E-05
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	0.5	15	2.41E-03	5.55E-02	1.47E-02	1.40E-06	0.00E+00	1.52E-06	1.52E-06	0.00E+00	1.39E-06	1.39E-06	1.42E-01	1.36E-04	1.12E-04
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2	2025	2	0.5	15	1.93E-04	4.44E-03	1.18E-03	1.12E-07	0.00E+00	1.21E-07	1.21E-07	0.00E+00	1.12E-07	1.12E-07	1.13E-02	1.09E-05	8.99E-06
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilitie	2025	15	0.5	15	1.44E-03	3.33E-02	8.83E-03	8.41E-07	0.00E+00	9.10E-07	9.10E-07	0.00E+00	8.37E-07	8.37E-07	8.50E-02	8.16E-05	6.74E-05
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2	2025	6	0.5	15	5.78E-04	1.33E-02	3.53E-03	3.36E-07	0.00E+00	3.64E-07	3.64E-07	0.00E+00	3.35E-07	3.35E-07	3.40E-02	3.26E-05	2.70E-05
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping	2025	7	0.5	15	6.74E-04	1.55E-02	4.12E-03	3.92E-07	0.00E+00	4.25E-07	4.25E-07	0.00E+00	3.91E-07	3.91E-07	3.97E-02	3.81E-05	3.15E-05
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	6	0.5	15	5.78E-04	1.33E-02	3.53E-03	3.36E-07	0.00E+00	3.64E-07	3.64E-07	0.00E+00	3.35E-07	3.35E-07	3.40E-02	3.26E-05	2.70E-05
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities	2025	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Appr	2025	4	0.5	15	3.85E-04	8.88E-03	2.35E-03	2.24E-07	0.00E+00	2.43E-07	2.43E-07	0.00E+00	2.23E-07	2.23E-07	2.27E-02	2.18E-05	1.80E-05
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	6	0.5	15	5.78E-04	1.33E-02	3.53E-03	3.36E-07	0.00E+00	3.64E-07	3.64E-07	0.00E+00	3.35E-07	3.35E-07	3.40E-02	3.26E-05	2.70E-05
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2	2026	9.75	0.5	15	8.87E-04	2.17E-02	5.40E-03	5.25E-07	0.00E+00	5.75E-07	5.75E-07	0.00E+00	5.29E-07	5.29E-07	5.31E-02	5.07E-05	4.28E-05
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 202	2026	2.5	0.5	15	2.27E-04	5.56E-03	1.39E-03	1.35E-07	0.00E+00	1.47E-07	1.47E-07	0.00E+00	1.36E-07	1.36E-07	1.36E-02	1.30E-05	1.10E-05
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	16.25	0.5	15	1.48E-03	3.62E-02	9.01E-03	8.75E-07	0.00E+00	9.59E-07	9.59E-07	0.00E+00	8.81E-07	8.81E-07	8.85E-02	8.45E-05	7.13E-05
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete -	2026	2.5	0.5	15	2.27E-04	5.56E-03	1.39E-03	1.35E-07	0.00E+00	1.47E-07	1.47E-07	0.00E+00	1.36E-07	1.36E-07	1.36E-02	1.30E-05	1.10E-05
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utiliti	2026	9.25	0.5	15	8.41E-04	2.06E-02	5.13E-03	4.98E-07	0.00E+00	5.46E-07	5.46E-07	0.00E+00	5.02E-07	5.02E-07	5.04E-02	4.81E-05	4.06E-05
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical -	2026	4.5	0.5	15	4.09E-04	1.00E-02	2.49E-03	2.42E-07	0.00E+00	2.65E-07	2.65E-07	0.00E+00	2.44E-07	2.44E-07	2.45E-02	2.34E-05	1.98E-05
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscapi	2026	4.5	0.5	15	4.09E-04	1.00E-02	2.49E-03	2.42E-07	0.00E+00	2.65E-07	2.65E-07	0.00E+00	2.44E-07	2.44E-07	2.45E-02	2.34E-05	1.98E-05
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	4.5	0.5	15	4.09E-04	1.00E-02	2.49E-03	2.42E-07	0.00E+00	2.65E-07	2.65E-07	0.00E+00	2.44E-07	2.44E-07	2.45E-02	2.34E-05	1.98E-05
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities	2026	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Appr	2026	4.25	0.5	15	3.87E-04	9.46E-03	2.36E-03	2.29E-07	0.00E+00	2.51E-07	2.51E-07	0.00E+00	2.30E-07	2.30E-07	2.31E-02	2.21E-05	1.87E-05
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	3.5	0.5	15	3.18E-04	7.79E-03	1.94E-03	1.89E-07	0.00E+00	2.06E-07	2.06E-07	0.00E+00	1.90E-07	1.90E-07	1.91E-02	1.82E-05	1.54E-05
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	6.25	0.5	15	5.39E-04	1.39E-02	3.28E-03	3.24E-07	0.00E+00	3.60E-07	3.60E-07	0.00E+00	3.31E-07	3.31E-07	3.27E-02	3.11E-05	2.68E-05
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	0.5	0.5	15	4.31E-05	1.12E-03	2.62E-04	2.59E-08	0.00E+00	2.88E-08	2.88E-08	0.00E+00	2.65E-08	2.65E-08	2.62E-03	2.49E-06	2.15E-06
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	3.75	0.5	15	3.24E-04	8.37E-03	1.97E-03	1.94E-07	0.00E+00	2.16E-07	2.16E-07	0.00E+00	1.98E-07	1.98E-07	1.96E-02	1.87E-05	1.61E-05
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	1.5	0.5	15	1.29E-04	3.35E-03	7.86E-04	7.77E-08	0.00E+00	8.63E-08	8.63E-08	0.00E+00	7.94E-08	7.94E-08	7.85E-03	7.47E-06	6.44E-06
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	1.75	0.5	15	1.51E-04	3.91E-03	9.17E-04	9.06E-08	0.00E+00	1.01E-07	1.01E-07	0.00E+00	9.26E-08	9.26E-08	9.16E-03	8.72E-06	7.52E-06
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	1.5	0.5	15	1.29E-04	3.35E-03	7.86E-04	7.77E-08	0.00E+00	8.63E-08	8.63E-08	0.00E+00	7.94E-08	7.94E-08	7.85E-03	7.47E-06	6.44E-06
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	1	0.5	15	8.63E-05	2.23E-03	5.24E-04	5.18E-08	0.00E+00	5.76E-08	5.76E-08	0.00E+00	5.29E-08	5.29E-08	5.23E-03	4.98E-06	4.30E-06
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	1.5	0.5	15	1.29E-04	3.35E-03	7.86E-04	7.77E-08	0.00E+00	8.63E-08	8.63E-08	0.00E+00	7.94E-08	7.94E-08	7.85E-03	7.47E-06	6.44E-06
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches -	2027	2.25	0.5	15	1.94E-04	5.02E-03	1.18E-03	1.17E-07	0.00E+00	1.30E-07	1.30E-07	0.00E+00	1.19E-07	1.19E-07	1.18E-02	1.12E-05	9.66E-06
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	0.5	0.5	15	4.31E-05	1.12E-03	2.62E-04	2.59E-08	0.00E+00	2.88E-08	2.88E-08	0.00E+00	2.65E-08	2.65E-08	2.62E-03	2.49E-06	2.15E-06
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation -	2028	16.25	0.5	15	1.34E-03	3.63E-02	8.12E-03	8.13E-07	0.00E+00	9.20E-07	9.20E-07	0.00E+00	8.46E-07	8.46E-07	8.22E-02	7.82E-05	6.87E-05
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2	2028	4.5	0.5	15	3.71E-04	1.01E-02	2.25E-03	2.25E-07	0.00E+00	2.55E-07	2.55E-07	0.00E+00	2.34E-07	2.34E-07	2.28E-02	2.17E-05	1.90E-05
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	43.75	0.5	15	3.60E-03	9.79E-02	2.19E-02	2.19E-06	0.00E+00	2.48E-06	2.48E-06	0.00E+00	2.28E-06	2.28E-06	2.21E-01	2.10E-04	1.85E-04
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete	2028	7.5	0.5	15	6.18E-04	1.68E-02	3.75E-03	3.75E-07	0.00E+00	4.25E-07	4.25E-07	0.00E+00	3.91E-07	3.91E-07	3.79E-02	3.61E-05	3.17E-05
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Util	2028	26.25	0.5	15	2.16E-03	5.87E-02	1.31E-02	1.31E-06	0.00E+00	1.49E-06	1.49E-06	0.00E+00	1.37E-06	1.37E-06	1.33E-01	1.26E-04	1.11E-04
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrica	2028	10.5	0.5	15	8.65E-04	2.35E-02	5.24E-03	5.26E-07	0.00E+00	5.95E-07	5.95E-07	0.00E+00	5.47E-07	5.47E-07	5.31E-02	5.05E-05	4.44E-05
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscap	2028	12.25	0.5	15	1.01E-03	2.74E-02	6.12E-03	6.13E-07	0.00E+00	6.94E-07	6.94E-07	0.00E+00	6.38E-07	6.38E-07	6.20E-02	5.89E-05	5.18E-05
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 202	2028	10.5	0.5	15	8.65E-04	2.35E-02	5.24E-03	5.26E-07	0.00E+00	5.95E-07	5.95E-07	0.00E+00	5.47E-07	5.47E-07	5.31E-02	5.05E-05	4.44E-05
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utiliti	2028	4	0.5	15	3.30E-04	8.95E-03	2.00E-03	2.00E-07	0.00E+00	2.27E-07	2.27E-07	0.00E+00	2.08E-07	2.08E-07	2.02E-02	1.92E-05	1.69E-05
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Ap	2028	9	0.5	15	7.42E-04	2.01E-02	4.50E-03	4.50E-07	0.00E+00	5.10E-07	5.10E-07	0.00E+00	4.69E-07	4.69E-07	4.55E-02	4.33E-05	3.81E-05
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	4.5	0.5	15	3.71E-04	1.01E-02	2.25E-03	2.25E-07	0.00E+00	2.55E-07	2.55E-07	0.00E+00	2.34E-07	2.34E-07	2.28E-02	2.17E-05	1.90E-05
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	0.5	15	7.88E-04	2.24E-02	4.77E-03	4.85E-07	0.00E+00	5.59E-07	5.59E-07	0.00E+00	5.14E-07	5.14E-07	4.90E-02	4.66E-05	4.17E-05
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	4	0.5	15	3.15E-04	8.97E-03	1.91E-03	1.94E-07	0.00E+00	2.23E-07	2.23E-07	0.00E+00	2.05E-07	2.05E-07	1.96E-02	1.87E-05	1.67E-05
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	0.5	15	1.97E-03	5.61E-02	1.19E-02	1.21E-06	0.00E+00	1.40E-06	1.40E-06	0.00E+00	1.28E-06	1.28E-06	1.22E-01	1.17E-04	1.04E-04
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	2	0.5	15	1.58E-04	4.48E-03	9.55E-04	9.70E-08	0.00E+00	1.12E-07	1.12E-07	0.00E+00	1.03E-07	1.03E-07	9.80E-03	9.33E-06	8.35E-06
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 202	2029	15	0.5	15	1.18E-03	3.36E-02	7.16E-03	7.27E-07	0.00E+00	8.38E-07	8.38E-07	0.00E+00	7.71E-07	7.71E-07	7.35E-02	6.99E-05	6.26E-05
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	6	0.5	15	4.73E-04	1.35E-02	2.86E-03	2.91E-07	0.00E+00	3.35E-07	3.35E-07	0.00E+00	3.08E-07	3.08E-07	2.94E-02	2.80E-05	2.50E-05
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 202	2029	7	0.5	15	5.52E-04	1.57E-02	3.34E-03	3.39E-07	0.00E+00	3.91E-07	3.91E-07	0.00E+00	3.60E-07	3.60E-07	3.43E-02	3.26E-05	2.92E-05
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	6	0.5	15	4.73E-04	1.35E-02	2.86E-03	2.91E-07	0.00E+00	3.35E-07	3.35E-07	0.00E+00	3.08E-07	3.08E-07	2.94E-02	2.80E-05	2.50E-05
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches	2029	4	0.5	15	3.15E-04	8.97E-03	1.91E-03	1.94E-07	0.00E+00	2.23E-07	2.23E-07	0.00E+00	2.05E-07	2.05E-07	1.96E-02	1.87E-05	1.67E-05
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	6	0.5	15	4.73E-04	1.35E-02	2.86E-03	2.91E-07	0.00E+00	3.35E-07	3.35E-07	0.00E+00	3.08E-07	3.08E-07	2.94E-02	2.80E-05	2.50E-05

Vendor Idling Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/min)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	7	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	4	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	2	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	15	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	6	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	7	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	6	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	0	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	4	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	6	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9.75	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2.5	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	16.25	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2.5	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	9.25	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	4.5	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	4.5	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	4.5	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4.25	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	3.5	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	6.25	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	0.5	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	3.75	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	1.5	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	1.75	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	1.5	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	1	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	1.5	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	2.25	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	0.5	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	16.25	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	4.5	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	43.75	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	7.5	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	26.25	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	10.5	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	12.25	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	10.5	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	4	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	9	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	4.5	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	4	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	2	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	15	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	6	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	7	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	6	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	4	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	6	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	7	0.5	15	1.16E-01	4.58E-04	3.77E-03	7.39E-03	7.80E-06	0.00E+00	2.19E-06	2.19E-06	0.00E+00	2.10E-06	2.10E-06	8.20E-01	4.94E-05
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	4	0.5	15	6.61E-02	2.62E-04	2.16E-03	4.22E-03	4.46E-06	0.00E+00	1.25E-06	1.25E-06	0.00E+00	1.20E-06	1.20E-06	4.69E-01	2.82E-05
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	0.5	15	4.13E-01	1.63E-03	1.35E-02	2.64E-02	2.78E-05	0.00E+00	7.83E-06	7.83E-06	0.00E+00	7.49E-06	7.49E-06	2.93E+00	1.76E-04
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	2	0.5	15	3.31E-02	1.31E-04	1.08E-03	2.11E-03	2.23E-06	0.00E+00	6.27E-07	6.27E-07	0.00E+00	5.99E-07	5.99E-07	2.34E-01	1.41E-05
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	15	0.5	15	2.48E-01	9.81E-04	8.09E-03	1.58E-02	1.67E-05	0.00E+00	4.70E-06	4.70E-06	0.00E+00	4.50E-06	4.50E-06	1.76E+00	1.06E-04
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	6	0.5	15	9.92E-02	3.92E-04	3.23E-03	6.33E-03	6.68E-06	0.00E+00	1.88E-06	1.88E-06	0.00E+00	1.80E-06	1.80E-06	7.03E-01	4.23E-05
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	7	0.5	15	1.16E-01	4.58E-04	3.77E-03	7.39E-03	7.80E-06	0.00E+00	2.19E-06	2.19E-06	0.00E+00	2.10E-06	2.10E-06	8.20E-01	4.94E-05
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	6	0.5	15	9.92E-02	3.92E-04	3.23E-03	6.33E-03	6.68E-06	0.00E+00	1.88E-06	1.88E-06	0.00E+00	1.80E-06	1.80E-06	7.03E-01	4.23E-05
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	4	0.5	15	6.61E-02	2.62E-04	2.16E-03	4.22E-03	4.46E-06	0.00E+00	1.25E-06	1.25E-06	0.00E+00	1.20E-06	1.20E-06	4.69E-01	2.82E-05
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	6	0.5	15	9.92E-02	3.92E-04	3.23E-03	6.33E-03	6.68E-06	0.00E+00	1.88E-06	1.88E-06	0.00E+00	1.80E-06	1.80E-06	7.03E-01	4.23E-05
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9.75	0.5	15	1.61E-01	6.28E-04	5.20E-03	1.02E-02	1.07E-05	0.00E+00	2.79E-06	2.79E-06	0.00E+00	2.67E-06	2.67E-06	1.12E+00	6.78E-05
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2.5	0.5	15	4.13E-02	1.61E-04	1.33E-03	2.61E-03	2.74E-06	0.00E+00	7.16E-07	7.16E-07	0.00E+00	6.85E-07	6.85E-07	2.88E-01	1.74E-05
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	16.25	0.5	15	2.69E-01	1.05E-03	8.67E-03	1.70E-02	1.78E-05	0.00E+00	4.65E-06	4.65E-06	0.00E+00	4.45E-06	4.45E-06	1.87E+00	1.13E-04
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2.5	0.5	15	4.13E-02	1.61E-04	1.33E-03	2.61E-03	2.74E-06	0.00E+00	7.16E-07	7.16E-07	0.00E+00	6.85E-07	6.85E-07	2.88E-01	1.74E-05
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	9.25	0.5	15	1.53E-01	5.96E-04	4.94E-03	9.66E-03	1.01E-05	0.00E+00	2.65E-06	2.65E-06	0.00E+00	2.53E-06	2.53E-06	1.07E+00	6.43E-05
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	4.5	0.5	15	7.44E-02	2.90E-04	2.40E-03	4.70E-03	4.93E-06	0.00E+00	1.29E-06	1.29E-06	0.00E+00	1.23E-06	1.23E-06	5.19E-01	3.13E-05
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	4.5	0.5	15	7.44E-02	2.90E-04	2.40E-03	4.70E-03	4.93E-06	0.00E+00	1.29E-06	1.29E-06	0.00E+00	1.23E-06	1.23E-06	5.19E-01	3.13E-05
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	4.5	0.5	15	7.44E-02	2.90E-04	2.40E-03	4.70E-03	4.93E-06	0.00E+00	1.29E-06	1.29E-06	0.00E+00	1.23E-06	1.23E-06	5.19E-01	3.13E-05
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4.25	0.5	15	7.03E-02	2.74E-04	2.27E-03	4.44E-03	4.66E-06	0.00E+00	1.22E-06	1.22E-06	0.00E+00	1.16E-06	1.16E-06	4.90E-01	2.95E-05
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	3.5	0.5	15	5.79E-02	2.25E-04	1.87E-03	3.65E-03	3.83E-06	0.00E+00	1.00E-06	1.00E-06	0.00E+00	9.58E-07	9.58E-07	4.04E-01	2.43E-05
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	6.25	0.5	15	1.03E-01	3.97E-04	3.30E-03	6.46E-03	6.73E-06	0.00E+00	1.65E-06	1.65E-06	0.00E+00	1.57E-06	1.57E-06	7.09E-01	4.29E-05
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	0.5	0.5	15	8.27E-03	3.17E-05	2.64E-04	5.17E-04	5.38E-07	0.00E+00	1.32E-07	1.32E-07	0.00E+00	1.26E-07	1.26E-07	5.67E-02	3.43E-06
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	3.75	0.5	15	6.20E-02	2.38E-04	1.98E-03	3.87E-03	4.04E-06	0.00E+00	9.87E-07	9.87E-07	0.00E+00	9.45E-07	9.45E-07	4.26E-01	2.57E-05
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	1.5	0.5	15	2.48E-02	9.52E-05	7.93E-04	1.55E-03	1.62E-06	0.00E+00	3.95E-07	3.95E-07	0.00E+00	3.78E-07	3.78E-07	1.70E-01	1.03E-05
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	1.75	0.5	15	2.89E-02	1.11E-04	9.25E-04	1.81E-03	1.88E-06	0.00E+00	4.61E-07	4.61E-07	0.00E+00	4.41E-07	4.41E-07	1.99E-01	1.20E-05
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	1.5	0.5	15	2.48E-02	9.52E-05	7.93E-04	1.55E-03	1.62E-06	0.00E+00	3.95E-07	3.95E-07	0.00E+00	3.78E-07	3.78E-07	1.70E-01	1.03E-05
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	1	0.5	15	1.65E-02	6.35E-05	5.29E-04	1.03E-03	1.08E-06	0.00E+00	2.63E-07	2.63E-07	0.00E+00	2.52E-07	2.52E-07	1.13E-01	6.86E-06
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	1.5	0.5	15	2.48E-02	9.52E-05	7.93E-04	1.55E-03	1.62E-06	0.00E+00	3.95E-07	3.95E-07	0.00E+00	3.78E-07	3.78E-07	1.70E-01	1.03E-05
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	2.25	0.5	15	3.72E-02	1.43E-04	1.19E-03	2.32E-03	2.42E-06	0.00E+00	5.92E-07	5.92E-07	0.00E+00	5.67E-07	5.67E-07	2.55E-01	1.54E-05
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	0.5	0.5	15	8.27E-03	3.17E-05	2.64E-04	5.17E-04	5.38E-07	0.00E+00	1.32E-07	1.32E-07	0.00E+00	1.26E-07	1.26E-07	5.67E-02	3.43E-06
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	16.25	0.5	15	2.69E-01	1.02E-03	8.52E-03	1.67E-02	1.72E-05	0.00E+00	3.98E-06	3.98E-06	0.00E+00	3.80E-06	3.80E-06	1.81E+00	1.10E-04
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	4.5	0.5	15	7.44E-02	2.83E-04	2.36E-03	4.61E-03	4.76E-06	0.00E+00	1.10E-06	1.10E-06	0.00E+00	1.05E-06	1.05E-06	5.02E-01	3.06E-05
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	43.75	0.5	15	7.23E-01	2.75E-03	2.29E-02	4.49E-02	4.63E-05	0.00E+00	1.07E-05	1.07E-05	0.00E+00	1.02E-05	1.02E-05	4.89E+00	2.97E-04
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	7.5	0.5	15	1.24E-01	4.71E-04	3.93E-03	7.69E-03	7.94E-06	0.00E+00	1.84E-06	1.84E-06	0.00E+00	1.76E-06	1.76E-06	8.37E-01	5.10E-05
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	26.25	0.5	15	4.34E-01	1.65E-03	1.38E-02	2.69E-02	2.78E-05	0.00E+00	6.42E-06	6.42E-06	0.00E+00	6.15E-06	6.15E-06	2.93E+00	1.78E-04
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	10.5	0.5	15	1.74E-01	6.59E-04	5.50E-03	1.08E-02	1.11E-05	0.00E+00	2.57E-06	2.57E-06	0.00E+00	2.46E-06	2.46E-06	1.17E+00	7.13E-05
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	12.25	0.5	15	2.03E-01	7.69E-04	6.42E-03	1.26E-02	1.30E-05	0.00E+00	3.00E-06	3.00E-06	0.00E+00	2.87E-06	2.87E-06	1.37E+00	8.32E-05
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	10.5	0.5	15	1.74E-01	6.59E-04	5.50E-03	1.08E-02	1.11E-05	0.00E+00	2.57E-06	2.57E-06	0.00E+00	2.46E-06	2.46E-06	1.17E+00	7.13E-05
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	4	0.5	15	6.61E-02	2.51E-04	2.10E-03	4.10E-03	4.24E-06	0.00E+00	9.79E-07	9.79E-07	0.00E+00	9.37E-07	9.37E-07	4.47E-01	2.72E-05
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	9	0.5	15	1.49E-01	5.65E-04	4.72E-03	9.23E-03	9.53E-06	0.00E+00	2.20E-06	2.20E-06	0.00E+00	2.11E-06	2.11E-06	1.00E+00	6.11E-05
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	4.5	0.5	15	7.44E-02	2.83E-04	2.36E-03	4.61E-03	4.76E-06	0.00E+00	1.10E-06	1.10E-06	0.00E+00	1.05E-06	1.05E-06	5.02E-01	3.06E-05
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	0.5	15	1.65E-01	6.22E-04	5.20E-03	1.02E-02	1.04E-05	0.00E+00	2.29E-06	2.29E-06	0.00E+00	2.19E-06	2.19E-06	1.10E+00	6.74E-05
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	4	0.5	15	6.61E-02	2.49E-04	2.08E-03	4.07E-03	4.17E-06	0.00E+00	9.14E-07	9.14E-07	0.00E+00	8.75E-07	8.75E-07	4.40E-01	2.70E-05
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	0.5	15	4.13E-01	1.55E-03	1.30E-02	2.55E-02	2.60E-05	0.00E+00	5.71E-06	5.71E-06	0.00E+00	5.47E-06	5.47E-06	2.75E+00	1.68E-04
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	2	0.5	15	3.31E-02	1.24E-04	1.04E-03	2.04E-03	2.08E-06	0.00E+00	4.57E-07	4.57E-07	0.00E+00	4.37E-07	4.37E-07	2.20E-01	1.35E-05
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	15	0.5	15	2.48E-01	9.33E-04	7.80E-03	1.53E-02	1.56E-05	0.00E+00	3.43E-06	3.43E-06	0.00E+00	3.28E-06	3.28E-06	1.65E+00	1.01E-04
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	6	0.5	15	9.92E-02	3.73E-04	3.12E-03	6.11E-03	6.25E-06	0.00E+00	1.37E-06	1.37E-06	0.00E+00	1.31E-06	1.31E-06	6.59E-01	4.04E-05
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	7	0.5	15	1.16E-01	4.35E-04	3.64E-03	7.13E-03	7.29E-06	0.00E+00	1.60E-06	1.60E-06	0.00E+00	1.53E-06	1.53E-06	7.69E-01	4.72E-05
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	6	0.5	15	9.92E-02	3.73E-04	3.12E-03	6.11E-03	6.25E-06	0.00E+00	1.37E-06	1.37E-06	0.00E+00	1.31E-06	1.31E-06	6.59E-01	4.04E-05
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	4	0.5	15	6.61E-02	2.49E-04	2.08E-03	4.07E-03	4.17E-06	0.00E+00	9.14E-07	9.14E-07	0.00E+00	8.75E-07	8.75E-07	4.40E-01	2.70E-05
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	6	0.5	15	9.92E-02	3.73E-04	3.12E-03	6.11E-03	6.25E-06	0.00E+00	1.37E-06	1.37E-06	0.00E+00	1.31E-06	1.31E-06	6.59E-01	4.04E-05

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Vendor Running Emission Factors ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/mile)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	7	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	4	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	2	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	15	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	6	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	7	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	6	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	0	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	4	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	6	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9.75	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2.5	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	16.25	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2.5	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	9.25	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	4.5	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	4.5	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	4.5	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4.25	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	3.5	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	6.25	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	0.5	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	3.75	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	1.5	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	1.75	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	1.5	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	1	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	1.5	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	2.25	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	0.5	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	16.25	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	4.5	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	43.75	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	7.5	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	26.25	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	10.5	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	12.25	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	10.5	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	4	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	9	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	4.5	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	4	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	2	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	15	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	6	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	7	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	6	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	4	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	6	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	7	0.5	15	1.33E-04	1.34E-02	2.40E-03	8.19E-05	1.46	9.30E-04	1.46E+00	1.46E-01	1.00E-04	1.46E-01	8.83E+00	3.07E-04	1.27E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	4	0.5	15	7.58E-05	7.68E-03	1.37E-03	4.68E-05	0.83	5.31E-04	8.33E-01	8.32E-02	5.73E-05	8.33E-02	5.05E+00	1.75E-04	7.27E-04
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	0.5	15	4.74E-04	4.80E-02	8.56E-03	2.92E-04	5.21	3.32E-03	5.21E+00	5.20E-01	3.58E-04	5.20E-01	3.15E+01	1.10E-03	4.54E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	2	0.5	15	3.79E-05	3.84E-03	6.85E-04	2.34E-05	0.42	2.66E-04	4.17E-01	4.16E-02	2.86E-05	4.16E-02	2.52E+00	8.77E-05	3.63E-04
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	15	0.5	15	2.84E-04	2.88E-02	5.14E-03	1.75E-04	3.12	1.99E-03	3.13E+00	3.12E-01	2.15E-04	3.12E-01	1.89E+01	6.58E-04	2.72E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	6	0.5	15	1.14E-04	1.15E-02	2.06E-03	7.02E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.59E-05	1.25E-01	7.57E+00	2.63E-04	1.09E-03
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	7	0.5	15	1.33E-04	1.34E-02	2.40E-03	8.19E-05	1.46	9.30E-04	1.46E+00	1.46E-01	1.00E-04	1.46E-01	8.83E+00	3.07E-04	1.27E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	6	0.5	15	1.14E-04	1.15E-02	2.06E-03	7.02E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.59E-05	1.25E-01	7.57E+00	2.63E-04	1.09E-03
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	4	0.5	15	7.58E-05	7.68E-03	1.37E-03	4.68E-05	0.83	5.31E-04	8.33E-01	8.32E-02	5.73E-05	8.33E-02	5.05E+00	1.75E-04	7.27E-04
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	6	0.5	15	1.14E-04	1.15E-02	2.06E-03	7.02E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.59E-05	1.25E-01	7.57E+00	2.63E-04	1.09E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9.75	0.5	15	1.79E-04	1.86E-02	3.28E-03	1.12E-04	2.03	1.30E-03	2.03E+00	2.03E-01	1.39E-04	2.03E-01	1.21E+01	4.29E-04	1.74E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2.5	0.5	15	4.58E-05	4.76E-03	8.41E-04	2.87E-05	0.52	3.32E-04	5.21E-01	5.20E-02	3.57E-05	5.20E-02	3.10E+00	1.10E-04	4.46E-04
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	16.25	0.5	15	2.98E-04	3.09E-02	5.47E-03	1.86E-04	3.38	2.16E-03	3.39E+00	3.38E-01	2.32E-04	3.38E-01	2.01E+01	7.15E-04	2.90E-03
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2.5	0.5	15	4.58E-05	4.76E-03	8.41E-04	2.87E-05	0.52	3.32E-04	5.21E-01	5.20E-02	3.57E-05	5.20E-02	3.10E+00	1.10E-04	4.46E-04
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	9.25	0.5	15	1.70E-04	1.76E-02	3.11E-03	1.06E-04	1.93	1.23E-03	1.93E+00	1.92E-01	1.32E-04	1.93E-01	1.15E+01	4.07E-04	1.65E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	4.5	0.5	15	8.25E-05	8.57E-03	1.51E-03	5.16E-05	0.94	5.98E-04	9.38E-01	9.36E-02	6.43E-05	9.37E-02	5.57E+00	1.98E-04	8.03E-04
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	4.5	0.5	15	8.25E-05	8.57E-03	1.51E-03	5.16E-05	0.94	5.98E-04	9.38E-01	9.36E-02	6.43E-05	9.37E-02	5.57E+00	1.98E-04	8.03E-04
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	4.5	0.5	15	8.25E-05	8.57E-03	1.51E-03	5.16E-05	0.94	5.98E-04	9.38E-01	9.36E-02	6.43E-05	9.37E-02	5.57E+00	1.98E-04	8.03E-04
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4.25	0.5	15	7.79E-05	8.09E-03	1.43E-03	4.87E-05	0.89	5.65E-04	8.86E-01	8.84E-02	6.07E-05	8.85E-02	5.26E+00	1.87E-04	7.58E-04
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	3.5	0.5	15	6.41E-05	6.66E-03	1.18E-03	4.01E-05	0.73	4.65E-04	7.29E-01	7.28E-02	5.00E-05	7.29E-02	4.33E+00	1.54E-04	6.24E-04
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	6.25	0.5	15	1.11E-04	1.18E-02	2.07E-03	7.02E-05	1.30	8.30E-04	1.30E+00	1.30E-01	8.90E-05	1.30E-01	7.58E+00	2.75E-04	1.09E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	0.5	0.5	15	8.89E-06	9.43E-04	1.66E-04	5.62E-06	0.10	6.64E-05	1.04E-01	1.04E-02	7.12E-06	1.04E-02	6.07E-01	2.20E-05	8.75E-05
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	3.75	0.5	15	6.67E-05	7.07E-03	1.24E-03	4.21E-05	0.78	4.98E-04	7.81E-01	7.80E-02	5.34E-05	7.81E-02	4.55E+00	1.65E-04	6.56E-04
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	1.5	0.5	15	2.67E-05	2.83E-03	4.97E-04	1.68E-05	0.31	1.99E-04	3.13E-01	3.12E-02	2.14E-05	3.12E-02	1.82E+00	6.59E-05	2.63E-04
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	1.75	0.5	15	3.11E-05	3.30E-03	5.80E-04	1.97E-05	0.36	2.32E-04	3.65E-01	3.64E-02	2.49E-05	3.64E-02	2.12E+00	7.69E-05	3.06E-04
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	1.5	0.5	15	2.67E-05	2.83E-03	4.97E-04	1.68E-05	0.31	1.99E-04	3.13E-01	3.12E-02	2.14E-05	3.12E-02	1.82E+00	6.59E-05	2.63E-04
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	1	0.5	15	1.78E-05	1.89E-03	3.31E-04	1.12E-05	0.21	1.33E-04	2.08E-01	2.08E-02	1.42E-05	2.08E-02	1.21E+00	4.39E-05	1.75E-04
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	1.5	0.5	15	2.67E-05	2.83E-03	4.97E-04	1.68E-05	0.31	1.99E-04	3.13E-01	3.12E-02	2.14E-05	3.12E-02	1.82E+00	6.59E-05	2.63E-04
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	2.25	0.5	15	4.00E-05	4.24E-03	7.46E-04	2.53E-05	0.47	2.99E-04	4.69E-01	4.68E-02	3.20E-05	4.68E-02	2.73E+00	9.89E-05	3.94E-04
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	0.5	0.5	15	8.89E-06	9.43E-04	1.66E-04	5.62E-06	0.10	6.64E-05	1.04E-01	1.04E-02	7.12E-06	1.04E-02	6.07E-01	2.20E-05	8.75E-05
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	16.25	0.5	15	2.82E-04	3.04E-02	5.34E-03	1.79E-04	3.38	2.16E-03	3.39E+00	3.38E-01	2.30E-04	3.38E-01	1.93E+01	7.16E-04	2.79E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	4.5	0.5	15	7.80E-05	8.42E-03	1.48E-03	4.95E-05	0.94	5.98E-04	9.38E-01	9.36E-02	6.38E-05	9.37E-02	5.35E+00	1.98E-04	7.73E-04
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	43.75	0.5	15	7.58E-04	8.18E-02	1.44E-02	4.81E-04	9.11	5.81E-03	9.12E+00	9.10E-01	6.20E-04	9.11E-01	5.21E+01	1.93E-03	7.52E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	7.5	0.5	15	1.30E-04	1.40E-02	2.46E-03	8.25E-05	1.56	9.96E-04	1.56E+00	1.56E-01	1.06E-04	1.56E-01	8.92E+00	3.31E-04	1.29E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	26.25	0.5	15	4.55E-04	4.91E-02	8.62E-03	2.89E-04	5.47	3.49E-03	5.47E+00	5.46E-01	3.72E-04	5.46E-01	3.12E+01	1.16E-03	4.51E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	10.5	0.5	15	1.82E-04	1.96E-02	3.45E-03	1.16E-04	2.19	1.39E-03	2.19E+00	2.18E-01	1.49E-04	2.19E-01	1.25E+01	4.63E-04	1.80E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	12.25	0.5	15	2.12E-04	2.29E-02	4.02E-03	1.35E-04	2.55	1.63E-03	2.55E+00	2.55E-01	1.74E-04	2.55E-01	1.46E+01	5.40E-04	2.10E-03
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	10.5	0.5	15	1.82E-04	1.96E-02	3.45E-03	1.16E-04	2.19	1.39E-03	2.19E+00	2.18E-01	1.49E-04	2.19E-01	1.25E+01	4.63E-04	1.80E-03
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	4	0.5	15	6.93E-05	7.48E-03	1.31E-03	4.40E-05	0.83	5.31E-04	8.33E-01	8.32E-02	5.67E-05	8.33E-02	4.76E+00	1.76E-04	6.87E-04
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	9	0.5	15	1.56E-04	1.68E-02	2.95E-03	9.90E-05	1.87	1.20E-03	1.88E+00	1.87E-01	1.28E-04	1.87E-01	1.07E+01	3.97E-04	1.55E-03
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	4.5	0.5	15	7.80E-05	8.42E-03	1.48E-03	4.95E-05	0.94	5.98E-04	9.38E-01	9.36E-02	6.38E-05	9.37E-02	5.35E+00	1.98E-04	7.73E-04
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	0.5	15	1.69E-04	1.85E-02	3.26E-03	1.08E-04	2.08	1.33E-03	2.08E+00	2.08E-01	1.41E-04	2.08E-01	1.17E+01	4.42E-04	1.69E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	4	0.5	15	6.77E-05	7.42E-03	1.30E-03	4.32E-05	0.83	5.31E-04	8.33E-01	8.32E-02	5.64E-05	8.33E-02	4.67E+00	1.77E-04	6.75E-04
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	0.5	15	4.23E-04	4.64E-02	8.15E-03	2.70E-04	5.21	3.32E-03	5.21E+00	5.20E-01	3.53E-04	5.20E-01	2.92E+01	1.11E-03	4.22E-03
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	2	0.5	15	3.39E-05	3.71E-03	6.52E-04	2.16E-05	0.42	2.66E-04	4.17E-01	4.16E-02	2.82E-05	4.16E-02	2.33E+00	8.84E-05	3.37E-04
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	15	0.5	15	2.54E-04	2.78E-02	4.89E-03	1.62E-04	3.12	1.99E-03	3.13E+00	3.12E-01	2.12E-04	3.12E-01	1.75E+01	6.63E-04	2.53E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	6	0.5	15	1.02E-04	1.11E-02	1.96E-03	6.47E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.46E-05	1.25E-01	7.00E+00	2.65E-04	1.01E-03
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	7	0.5	15	1.19E-04	1.30E-02	2.28E-03	7.55E-05	1.46	9.30E-04	1.46E+00	1.46E-01	9.87E-05	1.46E-01	8.17E+00	3.09E-04	1.18E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	6	0.5	15	1.02E-04	1.11E-02	1.96E-03	6.47E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.46E-05	1.25E-01	7.00E+00	2.65E-04	1.01E-03
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	4	0.5	15	6.77E-05	7.42E-03	1.30E-03	4.32E-05	0.83	5.31E-04	8.33E-01	8.32E-02	5.64E-05	8.33E-02	4.67E+00	1.77E-04	6.75E-04
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	6	0.5	15	1.02E-04	1.11E-02	1.96E-03	6.47E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.46E-05	1.25E-01	7.00E+00	2.65E-04	1.01E-03

Worker Starting/Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission Factor (g/trip)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	25	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	10	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	10	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	0	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	10	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	25	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	35	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	13.75	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	26.25	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	16.25	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	15	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	10	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7.5	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	11.25	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	17.5	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	16.25	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	10	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	6.25	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	6.25	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	3.75	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	2.5	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	2.5	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	2.5	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	6.25	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	3.75	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	87.5	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	26.25	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	70	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	43.75	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	43.75	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	26.25	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	17.5	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	17.5	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	10	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	32.5	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	18.75	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	50	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	15	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	40	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	25	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	10	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	10	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	10	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	25	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	0.5	4.23E-02	9.85E-03	1.12E-01	2.94E-05	0.00E+00	9.74E-05	9.74E-05	0.00E+00	8.95E-05	8.95E-05	2.97E+00	2.55E-03	1.31E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	0.5	1.27E-02	2.95E-03	3.35E-02	8.83E-06	0.00E+00	2.92E-05	2.92E-05	0.00E+00	2.69E-05	2.69E-05	8.92E-01	7.65E-04	3.93E-04
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	0.5	3.38E-02	7.88E-03	8.94E-02	2.35E-05	0.00E+00	7.79E-05	7.79E-05	0.00E+00	7.16E-05	7.16E-05	2.38E+00	2.04E-03	1.05E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	25	0.5	2.12E-02	4.92E-03	5.59E-02	1.47E-05	0.00E+00	4.87E-05	4.87E-05	0.00E+00	4.48E-05	4.48E-05	1.49E+00	1.27E-03	6.55E-04
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	0.5	2.12E-02	4.92E-03	5.59E-02	1.47E-05	0.00E+00	4.87E-05	4.87E-05	0.00E+00	4.48E-05	4.48E-05	1.49E+00	1.27E-03	6.55E-04
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	0.5	1.27E-02	2.95E-03	3.35E-02	8.83E-06	0.00E+00	2.92E-05	2.92E-05	0.00E+00	2.69E-05	2.69E-05	8.92E-01	7.65E-04	3.93E-04
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	10	0.5	8.46E-03	1.97E-03	2.23E-02	5.88E-06	0.00E+00	1.95E-05	1.95E-05	0.00E+00	1.79E-05	1.79E-05	5.95E-01	5.10E-04	2.62E-04
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	10	0.5	8.46E-03	1.97E-03	2.23E-02	5.88E-06	0.00E+00	1.95E-05	1.95E-05	0.00E+00	1.79E-05	1.79E-05	5.95E-01	5.10E-04	2.62E-04
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	10	0.5	8.46E-03	1.97E-03	2.23E-02	5.88E-06	0.00E+00	1.95E-05	1.95E-05	0.00E+00	1.79E-05	1.79E-05	5.95E-01	5.10E-04	2.62E-04
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	25	0.5	2.12E-02	4.92E-03	5.59E-02	1.47E-05	0.00E+00	4.87E-05	4.87E-05	0.00E+00	4.48E-05	4.48E-05	1.49E+00	1.27E-03	6.55E-04
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	35	0.5	2.79E-02	6.46E-03	7.52E-02	1.99E-05	0.00E+00	6.52E-05	6.52E-05	0.00E+00	5.99E-05	5.99E-05	2.02E+00	1.65E-03	8.78E-04
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	13.75	0.5	1.09E-02	2.54E-03	2.95E-02	7.84E-06	0.00E+00	2.56E-05	2.56E-05	0.00E+00	2.35E-05	2.35E-05	7.92E-01	6.48E-04	3.45E-04
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	26.25	0.5	2.09E-02	4.84E-03	5.64E-02	1.50E-05	0.00E+00	4.89E-05	4.89E-05	0.00E+00	4.50E-05	4.50E-05	1.51E+00	1.24E-03	6.58E-04
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	16.25	0.5	1.29E-02	3.00E-03	3.49E-02	9.26E-06	0.00E+00	3.03E-05	3.03E-05	0.00E+00	2.78E-05	2.78E-05	9.36E-01	7.66E-04	4.07E-04
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	15	0.5	1.19E-02	2.77E-03	3.22E-02	8.55E-06	0.00E+00	2.79E-05	2.79E-05	0.00E+00	2.57E-05	2.57E-05	8.64E-01	7.07E-04	3.76E-04
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	10	0.5	7.96E-03	1.84E-03	2.15E-02	5.70E-06	0.00E+00	1.86E-05	1.86E-05	0.00E+00	1.71E-05	1.71E-05	5.76E-01	4.72E-04	2.51E-04
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7.5	0.5	5.97E-03	1.38E-03	1.61E-02	4.27E-06	0.00E+00	1.40E-05	1.40E-05	0.00E+00	1.28E-05	1.28E-05	4.32E-01	3.54E-04	1.88E-04
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	11.25	0.5	8.95E-03	2.07E-03	2.42E-02	6.41E-06	0.00E+00	2.10E-05	2.10E-05	0.00E+00	1.93E-05	1.93E-05	6.48E-01	5.31E-04	2.82E-04
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	17.5	0.5	1.39E-02	3.23E-03	3.76E-02	9.97E-06	0.00E+00	3.26E-05	3.26E-05	0.00E+00	3.00E-05	3.00E-05	1.01E+00	8.25E-04	4.39E-04
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	16.25	0.5	1.29E-02	3.00E-03	3.49E-02	9.26E-06	0.00E+00	3.03E-05	3.03E-05	0.00E+00	2.78E-05	2.78E-05	9.36E-01	7.66E-04	4.07E-04
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	10	0.5	7.51E-03	1.74E-03	2.07E-02	5.53E-06	0.00E+00	1.77E-05	1.77E-05	0.00E+00	1.63E-05	1.63E-05	5.59E-01	4.38E-04	2.41E-04
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	6.25	0.5	4.69E-03	1.09E-03	1.30E-02	3.46E-06	0.00E+00	1.11E-05	1.11E-05	0.00E+00	1.02E-05	1.02E-05	3.49E-01	2.74E-04	1.51E-04
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	6.25	0.5	4.69E-03	1.09E-03	1.30E-02	3.46E-06	0.00E+00	1.11E-05	1.11E-05	0.00E+00	1.02E-05	1.02E-05	3.49E-01	2.74E-04	1.51E-04
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	3.75	0.5	2.81E-03	6.52E-04	7.77E-03	2.07E-06	0.00E+00	6.63E-06	6.63E-06	0.00E+00	6.10E-06	6.10E-06	2.10E-01	1.64E-04	9.05E-05
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	2.5	0.5	1.88E-03	4.35E-04	5.18E-03	1.38E-06	0.00E+00	4.42E-06	4.42E-06	0.00E+00	4.06E-06	4.06E-06	1.40E-01	1.10E-04	6.03E-05
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	2.5	0.5	1.88E-03	4.35E-04	5.18E-03	1.38E-06	0.00E+00	4.42E-06	4.42E-06	0.00E+00	4.06E-06	4.06E-06	1.40E-01	1.10E-04	6.03E-05
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	2.5	0.5	1.88E-03	4.35E-04	5.18E-03	1.38E-06	0.00E+00	4.42E-06	4.42E-06	0.00E+00	4.06E-06	4.06E-06	1.40E-01	1.10E-04	6.03E-05
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	6.25	0.5	4.69E-03	1.09E-03	1.30E-02	3.46E-06	0.00E+00	1.11E-05	1.11E-05	0.00E+00	1.02E-05	1.02E-05	3.49E-01	2.74E-04	1.51E-04
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	0.5	9.38E-03	2.17E-03	2.59E-02	6.92E-06	0.00E+00	2.21E-05	2.21E-05	0.00E+00	2.03E-05	2.03E-05	6.99E-01	5.48E-04	3.02E-04
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	3.75	0.5	2.81E-03	6.52E-04	7.77E-03	2.07E-06	0.00E+00	6.63E-06	6.63E-06	0.00E+00	6.10E-06	6.10E-06	2.10E-01	1.64E-04	9.05E-05
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	87.5	0.5	6.20E-02	1.44E-02	1.76E-01	4.71E-05	0.00E+00	1.46E-04	1.46E-04	0.00E+00	1.34E-04	1.34E-04	4.76E+00	3.58E-03	2.04E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	26.25	0.5	1.86E-02	4.33E-03	5.27E-02	1.41E-05	0.00E+00	4.37E-05	4.37E-05	0.00E+00	4.02E-05	4.02E-05	1.43E+00	1.07E-03	6.12E-04
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	70	0.5	4.96E-02	1.15E-02	1.40E-01	3.77E-05	0.00E+00	1.17E-04	1.17E-04	0.00E+00	1.07E-04	1.07E-04	3.81E+00	2.86E-03	1.63E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	43.75	0.5	3.10E-02	7.22E-03	8.78E-02	2.36E-05	0.00E+00	7.29E-05	7.29E-05	0.00E+00	6.70E-05	6.70E-05	2.38E+00	1.79E-03	1.02E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	43.75	0.5	3.10E-02	7.22E-03	8.78E-02	2.36E-05	0.00E+00	7.29E-05	7.29E-05	0.00E+00	6.70E-05	6.70E-05	2.38E+00	1.79E-03	1.02E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	26.25	0.5	1.86E-02	4.33E-03	5.27E-02	1.41E-05	0.00E+00	4.37E-05	4.37E-05	0.00E+00	4.02E-05	4.02E-05	1.43E+00	1.07E-03	6.12E-04
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	17.5	0.5	1.24E-02	2.89E-03	3.51E-02	9.42E-06	0.00E+00	2.91E-05	2.91E-05	0.00E+00	2.68E-05	2.68E-05	9.52E-01	7.16E-04	4.08E-04
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	17.5	0.5	1.24E-02	2.89E-03	3.51E-02	9.42E-06	0.00E+00	2.91E-05	2.91E-05	0.00E+00	2.68E-05	2.68E-05	9.52E-01	7.16E-04	4.08E-04
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	10	0.5	7.09E-03	1.65E-03	2.01E-02	5.38E-06	0.00E+00	1.67E-05	1.67E-05	0.00E+00	1.53E-05	1.53E-05	5.44E-01	4.09E-04	2.33E-04
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	32.5	0.5	2.30E-02	5.36E-03	6.52E-02	1.75E-05	0.00E+00	5.41E-05	5.41E-05	0.00E+00	4.98E-05	4.98E-05	1.77E+00	1.33E-03	7.58E-04
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	18.75	0.5	1.33E-02	3.09E-03	3.76E-02	1.01E-05	0.00E+00	3.12E-05	3.12E-05	0.00E+00	2.87E-05	2.87E-05	1.02E+00	7.67E-04	4.37E-04
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	50	0.5	3.34E-02	7.86E-03	9.73E-02	2.62E-05	0.00E+00	7.84E-05	7.84E-05	0.00E+00	7.21E-05	7.21E-05	2.65E+00	1.91E-03	1.13E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	15	0.5	1.00E-02	2.36E-03	2.92E-02	7.87E-06	0.00E+00	2.35E-05	2.35E-05	0.00E+00	2.16E-05	2.16E-05	7.95E-01	5.74E-04	3.40E-04
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	40	0.5	2.67E-02	6.29E-03	7.78E-02	2.10E-05	0.00E+00	6.27E-05	6.27E-05	0.00E+00	5.77E-05	5.77E-05	2.12E+00	1.53E-03	9.06E-04
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	0.5	1.67E-02	3.93E-03	4.87E-02	1.31E-05	0.00E+00	3.92E-05	3.92E-05	0.00E+00	3.60E-05	3.60E-05	1.33E+00	9.57E-04	5.66E-04
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	25	0.5	1.67E-02	3.93E-03	4.87E-02	1.31E-05	0.00E+00	3.92E-05	3.92E-05	0.00E+00	3.60E-05	3.60E-05	1.33E+00	9.57E-04	5.66E-04
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	0.5	1.00E-02	2.36E-03	2.92E-02	7.87E-06	0.00E+00	2.35E-05	2.35E-05	0.00E+00	2.16E-05	2.16E-05	7.95E-01	5.74E-04	3.40E-04
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	10	0.5	6.68E-03	1.57E-03	1.95E-02	5.25E-06	0.00E+00	1.57E-05	1.57E-05	0.00E+00	1.44E-05	1.44E-05	5.30E-01	3.83E-04	2.26E-04
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	10	0.5	6.68E-03	1.57E-03	1.95E-02	5.25E-06	0.00E+00	1.57E-05	1.57E-05	0.00E+00	1.44E-05	1.44E-05	5.30E-01	3.83E-04	2.26E-04
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	10	0.5	6.68E-03	1.57E-03	1.95E-02	5.25E-06	0.00E+00	1.57E-05	1.57E-05	0.00E+00	1.44E-05	1.44E-05	5.30E-01	3.83E-04	2.26E-04
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	25	0.5	1.67E-02	3.93E-03	4.87E-02	1.31E-05	0.00E+00	3.92E-05	3.92E-05	0.00E+00	3.60E-05	3.60E-05	1.33E+00	9.57E-04	5.66E-04

					Worker Running Emission Factors												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission Factor (g/mile)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	25	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	10	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	10	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	0	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	10	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	25	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	35	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	13.75	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	26.25	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	16.25	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	15	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	10	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7.5	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	11.25	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	17.5	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	16.25	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	10	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	6.25	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	6.25	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	3.75	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	2.5	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	2.5	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	2.5	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	6.25	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	3.75	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	87.5	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	26.25	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	70	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	43.75	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	43.75	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	26.25	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	17.5	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	17.5	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	10	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	32.5	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	18.75	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	50	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	15	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	40	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	25	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	10	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	10	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	10	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	25	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	0.5	6.60E-04	2.58E-03	4.03E-02	1.46E-04	1.04E+01	8.99E-05	1.04E+01	1.04E+00	8.28E-05	1.04E+00	1.48E+01	1.64E-04	2.69E-04
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	0.5	1.98E-04	7.74E-04	1.21E-02	4.39E-05	3.12E+00	2.70E-05	3.12E+00	3.12E-01	2.48E-05	3.12E-01	4.44E+00	4.93E-05	8.08E-05
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	0.5	5.28E-04	2.06E-03	3.22E-02	1.17E-04	8.33E+00	7.19E-05	8.33E+00	8.31E-01	6.62E-05	8.31E-01	1.18E+01	1.32E-04	2.15E-04
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	25	0.5	3.30E-04	1.29E-03	2.02E-02	7.32E-05	5.20E+00	4.50E-05	5.20E+00	5.19E-01	4.14E-05	5.19E-01	7.40E+00	8.22E-05	1.35E-04
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	0.5	3.30E-04	1.29E-03	2.02E-02	7.32E-05	5.20E+00	4.50E-05	5.20E+00	5.19E-01	4.14E-05	5.19E-01	7.40E+00	8.22E-05	1.35E-04
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	0.5	1.98E-04	7.74E-04	1.21E-02	4.39E-05	3.12E+00	2.70E-05	3.12E+00	3.12E-01	2.48E-05	3.12E-01	4.44E+00	4.93E-05	8.08E-05
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	10	0.5	1.32E-04	5.16E-04	8.06E-03	2.93E-05	2.08E+00	1.80E-05	2.08E+00	2.08E-01	1.66E-05	2.08E-01	2.96E+00	3.29E-05	5.38E-05
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	10	0.5	1.32E-04	5.16E-04	8.06E-03	2.93E-05	2.08E+00	1.80E-05	2.08E+00	2.08E-01	1.66E-05	2.08E-01	2.96E+00	3.29E-05	5.38E-05
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	10	0.5	1.32E-04	5.16E-04	8.06E-03	2.93E-05	2.08E+00	1.80E-05	2.08E+00	2.08E-01	1.66E-05	2.08E-01	2.96E+00	3.29E-05	5.38E-05
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	25	0.5	3.30E-04	1.29E-03	2.02E-02	7.32E-05	5.20E+00	4.50E-05	5.20E+00	5.19E-01	4.14E-05	5.19E-01	7.40E+00	8.22E-05	1.35E-04
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	35	0.5	4.07E-04	1.63E-03	2.64E-02	9.93E-05	7.29E+00	5.96E-05	7.29E+00	7.27E-01	5.49E-05	7.27E-01	1.00E+01	1.03E-04	1.77E-04
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	13.75	0.5	1.60E-04	6.39E-04	1.04E-02	3.90E-05	2.86E+00	2.34E-05	2.86E+00	2.86E-01	2.16E-05	2.86E-01	3.94E+00	4.04E-05	6.95E-05
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	26.25	0.5	3.06E-04	1.22E-03	1.98E-02	7.45E-05	5.46E+00	4.47E-05	5.46E+00	5.45E-01	4.12E-05	5.45E-01	7.53E+00	7.71E-05	1.33E-04
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	16.25	0.5	1.89E-04	7.55E-04	1.23E-02	4.61E-05	3.38E+00	2.77E-05	3.38E+00	3.37E-01	2.55E-05	3.38E-01	4.66E+00	4.77E-05	8.21E-05
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	15	0.5	1.75E-04	6.97E-04	1.13E-02	4.26E-05	3.12E+00	2.56E-05	3.12E+00	3.12E-01	2.35E-05	3.12E-01	4.30E+00	4.41E-05	7.58E-05
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	10	0.5	1.16E-04	4.65E-04	7.54E-03	2.84E-05	2.08E+00	1.70E-05	2.08E+00	2.08E-01	1.57E-05	2.08E-01	2.87E+00	2.94E-05	5.05E-05
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7.5	0.5	8.73E-05	3.49E-04	5.65E-03	2.13E-05	1.56E+00	1.28E-05	1.56E+00	1.56E-01	1.18E-05	1.56E-01	2.15E+00	2.20E-05	3.79E-05
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	11.25	0.5	1.31E-04	5.23E-04	8.48E-03	3.19E-05	2.34E+00	1.92E-05	2.34E+00	2.34E-01	1.76E-05	2.34E-01	3.23E+00	3.30E-05	5.68E-05
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	17.5	0.5	2.04E-04	8.13E-04	1.32E-02	4.96E-05	3.64E+00	2.98E-05	3.64E+00	3.63E-01	2.74E-05	3.63E-01	5.02E+00	5.14E-05	8.84E-05
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	16.25	0.5	1.89E-04	7.55E-04	1.23E-02	4.61E-05	3.38E+00	2.77E-05	3.38E+00	3.37E-01	2.55E-05	3.38E-01	4.66E+00	4.77E-05	8.21E-05
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	10	0.5	1.03E-04	4.21E-04	7.10E-03	2.76E-05	2.08E+00	1.60E-05	2.08E+00	2.08E-01	1.47E-05	2.08E-01	2.79E+00	2.64E-05	4.78E-05
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	6.25	0.5	6.45E-05	2.63E-04	4.44E-03	1.72E-05	1.30E+00	9.99E-06	1.30E+00	1.30E-01	9.19E-06	1.30E-01	1.74E+00	1.65E-05	2.98E-05
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	6.25	0.5	6.45E-05	2.63E-04	4.44E-03	1.72E-05	1.30E+00	9.99E-06	1.30E+00	1.30E-01	9.19E-06	1.30E-01	1.74E+00	1.65E-05	2.98E-05
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	3.75	0.5	3.87E-05	1.58E-04	2.66E-03	1.03E-05	7.81E-01	5.99E-06	7.81E-01	7.79E-02	5.52E-06	7.79E-02	1.05E+00	9.89E-06	1.79E-05
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	2.5	0.5	2.58E-05	1.05E-04	1.77E-03	6.89E-06	5.20E-01	4.00E-06	5.20E-01	5.19E-02	3.68E-06	5.19E-02	6.97E-01	6.59E-06	1.19E-05
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	2.5	0.5	2.58E-05	1.05E-04	1.77E-03	6.89E-06	5.20E-01	4.00E-06	5.20E-01	5.19E-02	3.68E-06	5.19E-02	6.97E-01	6.59E-06	1.19E-05
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	2.5	0.5	2.58E-05	1.05E-04	1.77E-03	6.89E-06	5.20E-01	4.00E-06	5.20E-01	5.19E-02	3.68E-06	5.19E-02	6.97E-01	6.59E-06	1.19E-05
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	6.25	0.5	6.45E-05	2.63E-04	4.44E-03	1.72E-05	1.30E+00	9.99E-06	1.30E+00	1.30E-01	9.19E-06	1.30E-01	1.74E+00	1.65E-05	2.98E-05
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	0.5	1.29E-04	5.27E-04	8.87E-03	3.45E-05	2.60E+00	2.00E-05	2.60E+00	2.60E-01	1.84E-05	2.60E-01	3.48E+00	3.30E-05	5.97E-05
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	3.75	0.5	3.87E-05	1.58E-04	2.66E-03	1.03E-05	7.81E-01	5.99E-06	7.81E-01	7.79E-02	5.52E-06	7.79E-02	1.05E+00	9.89E-06	1.79E-05
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	87.5	0.5	8.07E-04	3.37E-03	5.89E-02	2.35E-04	1.82E+01	1.30E-04	1.82E+01	1.82E+00	1.20E-04	1.82E+00	2.38E+01	2.09E-04	3.98E-04
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	26.25	0.5	2.42E-04	1.01E-03	1.77E-02	7.05E-05	5.46E+00	3.91E-05	5.46E+00	5.45E-01	3.59E-05	5.45E-01	7.13E+00	6.27E-05	1.19E-04
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	70	0.5	6.46E-04	2.69E-03	4.71E-02	1.88E-04	1.46E+01	1.04E-04	1.46E+01	1.45E+00	9.58E-05	1.45E+00	1.90E+01	1.67E-04	3.18E-04
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	43.75	0.5	4.04E-04	1.68E-03	2.94E-02	1.18E-04	9.11E+00	6.51E-05	9.11E+00	9.09E-01	5.99E-05	9.09E-01	1.19E+01	1.04E-04	1.99E-04
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	43.75	0.5	4.04E-04	1.68E-03	2.94E-02	1.18E-04	9.11E+00	6.51E-05	9.11E+00	9.09E-01	5.99E-05	9.09E-01	1.19E+01	1.04E-04	1.99E-04
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	26.25	0.5	2.42E-04	1.01E-03	1.77E-02	7.05E-05	5.46E+00	3.91E-05	5.46E+00	5.45E-01	3.59E-05	5.45E-01	7.13E+00	6.27E-05	1.19E-04
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	17.5	0.5	1.61E-04	6.74E-04	1.18E-02	4.70E-05	3.64E+00	2.60E-05	3.64E+00	3.63E-01	2.40E-05	3.63E-01	4.75E+00	4.18E-05	7.95E-05
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	17.5	0.5	1.61E-04	6.74E-04	1.18E-02	4.70E-05	3.64E+00	2.60E-05	3.64E+00	3.63E-01	2.40E-05	3.63E-01	4.75E+00	4.18E-05	7.95E-05
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	10	0.5	9.22E-05	3.85E-04	6.73E-03	2.69E-05	2.08E+00	1.49E-05	2.08E+00	2.08E-01	1.37E-05	2.08E-01	2.72E+00	2.39E-05	4.54E-05
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	32.5	0.5	3.00E-04	1.25E-03	2.19E-02	8.73E-05	6.77E+00	4.83E-05	6.77E+00	6.75E-01	4.45E-05	6.75E-01	8.83E+00	7.76E-05	1.48E-04
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	18.75	0.5	1.73E-04	7.22E-04	1.26E-02	5.04E-05	3.90E+00	2.79E-05	3.90E+00	3.89E-01	2.57E-05	3.89E-01	5.09E+00	4.48E-05	8.52E-05
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	50	0.5	4.13E-04	1.77E-03	3.20E-02	1.31E-04	1.04E+01	6.93E-05	1.04E+01	1.04E+00	6.38E-05	1.04E+00	1.33E+01	1.08E-04	2.17E-04
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	15	0.5	1.24E-04	5.30E-04	9.61E-03	3.94E-05	3.12E+00	2.08E-05	3.12E+00	3.12E-01	1.91E-05	3.12E-01	3.98E+00	3.25E-05	6.52E-05
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	40	0.5	3.30E-04	1.41E-03	2.56E-02	1.05E-04	8.33E+00	5.54E-05	8.33E+00	8.31E-01	5.10E-05	8.31E-01	1.06E+01	8.67E-05	1.74E-04
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	0.5	2.06E-04	8.83E-04	1.60E-02	6.56E-05	5.20E+00	3.46E-05	5.20E+00	5.19E-01	3.19E-05	5.19E-01	6.63E+00	5.42E-05	1.09E-04
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	25	0.5	2.06E-04	8.83E-04	1.60E-02	6.56E-05	5.20E+00	3.46E-05	5.20E+00	5.19E-01	3.19E-05	5.19E-01	6.63E+00	5.42E-05	1.09E-04
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	0.5	1.24E-04	5.30E-04	9.61E-03	3.94E-05	3.12E+00	2.08E-05	3.12E+00	3.12E-01	1.91E-05	3.12E-01	3.98E+00	3.25E-05	6.52E-05
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	10	0.5	8.26E-05	3.53E-04	6.41E-03	2.62E-05	2.08E+00	1.39E-05	2.08E+00	2.08E-01	1.28E-05	2.08E-01	2.65E+00	2.17E-05	4.35E-05
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	10	0.5	8.26E-05	3.53E-04	6.41E-03	2.62E-05	2.08E+00	1.39E-05	2.08E+00	2.08E-01	1.28E-05	2.08E-01	2.65E+00	2.17E-05	4.35E-05
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	10	0.5	8.26E-05	3.53E-04	6.41E-03	2.62E-05	2.08E+00	1.39E-05	2.08E+00	2.08E-01	1.28E-05	2.08E-01	2.65E+00	2.17E-05	4.35E-05
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	25	0.5	2.06E-04	8.83E-04	1.60E-02	6.56E-05	5.20E+00	3.46E-05	5.20E+00	5.19E-01	3.19E-05	5.19E-01	6.63E+00	5.42E-05	1.09E-04

OFFSITE Mobile Emissions		ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10
PhaseName	CalEEMod Phase Name							Emission (lb/d
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	8.79E-02	1.40E+00	2.35E+00	1.42E-02	1.20E+00	1.45E-02	1.22E+00
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2.78E-02	5.44E-01	7.29E-01	5.07E-03	3.95E-01	5.27E-03	4.00E-01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	1.17E-01	5.87E+00	2.73E+00	3.63E-02	1.86E+00	4.95E-02	1.91E+00
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	6.66E-02	4.19E+00	1.20E+00	2.16E-02	8.65E-01	3.50E-02	9.00E-01
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	6.40E-02	2.70E+00	1.53E+00	1.80E-02	1.00E+00	2.30E-02	1.03E+00
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	6.00E-02	3.30E+00	1.62E+00	1.98E-02	1.03E+00	2.85E-02	1.06E+00
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2.57E-02	7.28E-01	7.51E-01	6.29E-03	4.47E-01	6.61E-03	4.53E-01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	1.47E-02	5.91E-01	1.29E-01	3.51E-03	1.39E-01	4.51E-03	1.43E-01
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	6.60E-03	2.58E-02	4.03E-01	1.46E-03	1.90E-01	8.99E-04	1.91E-01
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	3.22E-02	7.88E-01	1.16E+00	7.58E-03	6.19E-01	7.96E-03	6.27E-01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	3.66E-02	8.99E-01	6.15E-01	6.32E-03	3.73E-01	7.73E-03	3.80E-01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	7.69E-02	2.17E+00	2.33E+00	1.79E-02	1.35E+00	2.07E-02	1.37E+00
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	3.17E-02	1.31E+00	8.28E-01	8.46E-03	5.08E-01	1.17E-02	5.20E-01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	7.82E-02	3.60E+00	2.20E+00	2.41E-02	1.44E+00	3.15E-02	1.47E+00
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	5.41E-02	2.91E+00	1.50E+00	1.74E-02	9.52E-01	2.56E-02	9.77E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	4.11E-02	1.53E+00	1.24E+00	1.16E-02	7.80E-01	1.38E-02	7.94E-01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	3.33E-02	1.78E+00	9.04E-01	1.09E-02	5.98E-01	1.55E-02	6.14E-01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	1.71E-02	5.44E-01	4.86E-01	4.39E-03	3.07E-01	4.90E-03	3.12E-01
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	1.99E-02	5.32E-01	4.92E-01	4.33E-03	3.05E-01	4.80E-03	3.10E-01
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2.76E-02	8.25E-01	5.59E-01	5.69E-03	3.50E-01	7.24E-03	3.57E-01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	3.27E-02	5.80E-01	1.07E+00	6.41E-03	5.84E-01	6.25E-03	5.91E-01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	4.68E-02	1.52E+00	2.05E+00	1.42E-02	1.22E+00	1.54E-02	1.24E+00
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2.05E-02	1.04E+00	6.47E-01	6.55E-03	4.06E-01	9.43E-03	4.16E-01
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2.38E-02	6.98E-01	1.02E+00	6.88E-03	6.07E-01	7.15E-03	6.14E-01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2.95E-02	8.69E-01	1.49E+00	9.04E-03	8.52E-01	9.48E-03	8.61E-01
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	1.65E-02	2.22E-01	9.22E-01	4.43E-03	5.15E-01	3.30E-03	5.19E-01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	1.11E-02	1.77E-01	5.63E-01	2.91E-03	3.20E-01	2.32E-03	3.22E-01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	1.26E-02	2.14E-01	6.58E-01	3.35E-03	3.69E-01	2.82E-03	3.71E-01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	1.97E-02	2.66E-01	9.38E-01	4.61E-03	5.21E-01	3.69E-03	5.24E-01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2.00E-02	4.65E-01	5.49E-01	4.02E-03	3.25E-01	4.52E-03	3.30E-01
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	1.27E-02	1.26E-01	6.45E-01	2.88E-03	3.50E-01	2.11E-03	3.53E-01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	1.16E-01	3.31E+00	2.45E+00	2.33E-02	1.60E+00	2.96E-02	1.62E+00
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	3.11E-02	8.53E-01	5.42E-01	5.68E-03	3.59E-01	7.45E-03	3.67E-01
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	1.47E-01	9.82E+00	2.30E+00	5.15E-02	2.12E+00	8.00E-02	2.20E+00
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	9.00E-02	3.97E+00	2.50E+00	2.55E-02	1.64E+00	3.57E-02	1.68E+00
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	8.54E-02	4.53E+00	1.75E+00	2.69E-02	1.40E+00	3.78E-02	1.44E+00
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	7.65E-02	5.51E+00	1.60E+00	2.86E-02	1.26E+00	4.63E-02	1.31E+00
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	3.56E-02	1.22E+00	1.08E+00	1.01E-02	7.58E-01	1.10E-02	7.69E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	4.08E-02	1.09E+00	1.56E+00	1.12E-02	1.00E+00	1.08E-02	1.01E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	1.38E-02	7.03E-01	1.49E-01	3.69E-03	1.45E-01	5.64E-03	1.50E-01
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	4.32E-02	1.40E+00	8.20E-01	9.35E-03	5.76E-01	1.21E-02	5.89E-01
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2.40E-02	6.56E-01	4.89E-01	4.77E-03	3.27E-01	5.80E-03	3.33E-01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	7.32E-02	2.14E+00	2.08E+00	1.70E-02	1.36E+00	2.01E-02	1.38E+00
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2.57E-02	6.09E-01	9.33E-01	6.29E-03	5.98E-01	6.24E-03	6.04E-01
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	8.89E-02	5.57E+00	1.92E+00	3.13E-02	1.58E+00	4.66E-02	1.62E+00
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	6.85E-02	4.04E+00	2.03E+00	2.34E-02	1.39E+00	3.58E-02	1.42E+00
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	5.10E-02	2.57E+00	1.32E+00	1.65E-02	1.00E+00	2.21E-02	1.03E+00
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	4.48E-02	3.12E+00	1.11E+00	1.68E-02	8.43E-01	2.66E-02	8.69E-01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2.04E-02	6.97E-01	6.97E-01	6.08E-03	4.94E-01	6.39E-03	5.00E-01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	1.74E-02	5.93E-01	5.20E-01	4.88E-03	3.76E-01	5.30E-03	3.81E-01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	1.03E-02	4.41E-02	8.01E-01	3.28E-03	4.75E-01	1.73E-03	4.77E-01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	1.32E-02	6.95E-01	1.49E-01	3.61E-03	1.45E-01	5.59E-03	1.50E-01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2.88E-02	8.57E-01	5.22E-01	5.78E-03	3.73E-01	7.38E-03	3.80E-01

Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
ay)					
3.23E-01	1.37E-02	3.37E-01	1.49E+03	4.41E-02	1.26E-01
1.07E-01	4.99E-03	1.12E-01	5.33E+02	1.55E-02	5.00E-02
5.11E-01	4.72E-02	5.58E-01	3.91E+03	1.67E-01	5.16E-01
2.36E-01	3.34E-02	2.69E-01	2.37E+03	1.31E-01	3.54E-01
2.76E-01	2.19E-02	2.98E-01	1.93E+03	7.46E-02	2.41E-01
2.81E-01	2.72E-02	3.08E-01	2.14E+03	1.01E-01	2.83E-01
1.22E-01	6.27E-03	1.28E-01	6.64E+02	1.84E-02	6.79E-02
3.99E-02	4.31E-03	4.42E-02	3.79E+02	1.37E-02	5.48E-02
5.03E-02	8.28E-04	5.12E-02	1.48E+02	1.64E-03	2.69E-03
1.67E-01	7.54E-03	1.74E-01	7.96E+02	2.37E-02	7.10E-02
1.02E-01	7.36E-03	1.10E-01	6.75E+02	2.48E-02	8.12E-02
3.65E-01	1.96E-02	3.84E-01	1.90E+03	6.55E-02	1.92E-01
1.38E-01	1.12E-02	1.49E-01	9.12E+02	4.13E-02	1.12E-01
3.94E-01	3.00E-02	4.24E-01	2.58E+03	1.04E-01	3.15E-01
2.57E-01	2.44E-02	2.82E-01	1.88E+03	9.31E-02	2.46E-01
2.12E-01	1.31E-02	2.26E-01	1.23E+03	4.30E-02	1.37E-01
1.63E-01	1.47E-02	1.78E-01	1.18E+03	5.42E-02	1.53E-01
8.38E-02	4.66E-03	8.85E-02	4.65E+02	1.43E-02	4.97E-02
8.33E-02	4.56E-03	8.78E-02	4.59E+02	1.41E-02	4.87E-02
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9.55E-02	6.90E-03	1.02E-01	6.09E+02	2.39E-02	7.29E-02
1.57E-01	5.90E-03	1.63E-01	6.69E+02	1.78E-02	5.28E-02
3.29E-01	1.46E-02	3.44E-01	1.49E+03	4.68E-02	1.33E-01
1.09E-01	8.98E-03	1.18E-01	7.07E+02	3.42E-02	8.74E-02
1.63E-01	6.76E-03	1.70E-01	7.23E+02	2.09E-02	6.23E-02
2.27E-01	8.96E-03	2.36E-01	9.48E+02	2.92E-02	7.54E-02
1.37E-01	3.09E-03	1.41E-01	4.55E+02	7.26E-03	2.14E-02
8.55E-02	2.18E-03	8.77E-02	3.00E+02	5.39E-03	1.68E-02
9.83E-02	2.64E-03	1.01E-01	3.46E+02	7.21E-03	1.96E-02
1.39E-01	3.46E-03	1.42E-01	4.75E+02	9.07E-03	2.49E-02
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8.76E-02	4.29E-03	9.19E-02	4.25E+02	1.42E-02	4.11E-02
9.32E-02	1.97E-03	9.52E-02	2.95E+02	4.87E-03	1.20E-02
4.34E-01	2.82E-02	4.62E-01	2.50E+03	9.93E-02	2.88E-01
9.82E-02	7.10E-03	1.05E-01	6.10E+02	2.53E-02	7.42E-02
5.93E-01	7.65E-02	6.70E-01	5.62E+03	2.84E-01	8.38E-01
4.43E-01	3.40E-02	4.77E-01	2.75E+03	1.28E-01	3.34E-01
3.88E-01	3.60E-02	4.24E-01	2.91E+03	1.27E-01	3.93E-01
3.47E-01	4.43E-02	3.91E-01	3.13E+03	1.73E-01	4.61E-01
2.07E-01	1.04E-02	2.18E-01	1.07E+03	3.08E-02	1.11E-01
2.71E-01	1.02E-02	2.81E-01	1.17E+03	2.87E-02	9.97E-02
4.09E-02	5.40E-03	4.63E-02	4.02E+02	1.97E-02	6.07E-02
1.58E-01	1.15E-02	1.70E-01	1.00E+03	3.97E-02	1.23E-01
8.93E-02	5.52E-03	9.49E-02	5.09E+02	1.85E-02	5.79E-02
3.68E-01	1.91E-02	3.87E-01	1.81E+03	6.58E-02	1.85E-01
1.61E-01	5.90E-03	1.67E-01	6.59E+02	1.82E-02	5.44E-02
4.35E-01	4.45E-02	4.80E-01	3.40E+03	1.64E-01	4.73E-01
3.74E-01	3.41E-02	4.08E-01	2.54E+03	1.35E-01	3.32E-01
2.76E-01	2.10E-02	2.97E-01	1.77E+03	7.36E-02	2.22E-01
2.30E-01	2.54E-02	2.56E-01	1.83E+03	9.94E-02	2.59E-01
1.35E-01	6.07E-03	1.41E-01	6.41E+02	1.78E-02	6.31E-02
1.03E-01	5.04E-03	1.08E-01	5.16E+02	1.50E-02	5.36E-02
1.26E-01	1.59E-03	1.27E-01	3.32E+02	2.71E-03	5.43E-03
4.09E-02	5.35E-03	4.62E-02	3.94E+02	1.97E-02	5.94E-02
1.02E-01	7.03E-03	1.09E-01	6.19E+02	2.42E-02	7.49E-02

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Haul Running Emission Factors ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission Factor (g/trip)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1085	4	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	208	1	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	7512	29	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	2191	8	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	5008	19	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	0	0	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	624	2	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	528	2	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	2107.5	8	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	1982	8	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	3677.75	14	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	5008	19	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	1095.5	4	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	2504	10	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	156	1	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	132	1	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	738.25	3	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	342	1	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	1565	6	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	1878	7	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	547.75	2	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	1252	5	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	0	0	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	0	0	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	156	1	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	132	1	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	426.25	2	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	78	0	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	3216.25	12	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	780	3	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	10955	42	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	6162	24	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	3834.25	15	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	8764	34	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	0	0	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	624	2	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	996	4	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	396	2	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	2170	8	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	364	1	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	6260	24	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	7512	29	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	2191	8	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	5008	19	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	0	0	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	0	0	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	0	0	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	624	2	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	528	2	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1085	4	25	3.38E-06	1.09E-02	2.98E-05	2.49E-09	0.00E+00	3.57E-09	3.57E-09	0.00E+00	3.28E-09	3.28E-09	2.52E-04	1.73E-09	4.91E-08
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	208	1	25	6.47E-07	2.09E-03	5.71E-06	4.78E-10	0.00E+00	6.85E-10	6.85E-10	0.00E+00	6.30E-10	6.30E-10	4.83E-05	3.31E-10	9.41E-09
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	25	1.95E-05	6.30E-02	1.72E-04	1.44E-08	0.00E+00	2.06E-08	2.06E-08	0.00E+00	1.90E-08	1.90E-08	1.45E-03	9.97E-09	2.83E-07
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	7512	29	25	2.34E-05	7.56E-02	2.06E-04	1.73E-08	0.00E+00	2.47E-08	2.47E-08	0.00E+00	2.27E-08	2.27E-08	1.74E-03	1.20E-08	3.40E-07
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	2191	8	25	6.82E-06	2.21E-02	6.01E-05	5.03E-09	0.00E+00	7.21E-09	7.21E-09	0.00E+00	6.63E-09	6.63E-09	5.09E-04	3.49E-09	9.91E-08
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	5008	19	25	1.56E-05	5.04E-02	1.37E-04	1.15E-08	0.00E+00	1.65E-08	1.65E-08	0.00E+00	1.52E-08	1.52E-08	1.16E-03	7.97E-09	2.27E-07
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	624	2	25	1.94E-06	6.28E-03	1.71E-05	1.43E-09	0.00E+00	2.05E-09	2.05E-09	0.00E+00	1.89E-09	1.89E-09	1.45E-04	9.93E-10	2.82E-08
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	528	2	25	1.64E-06	5.32E-03	1.45E-05	1.21E-09	0.00E+00	1.74E-09	1.74E-09	0.00E+00	1.60E-09	1.60E-09	1.23E-04	8.41E-10	2.39E-08
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	2107.5	8	25	5.29E-06	2.12E-02	5.45E-05	4.60E-09	0.00E+00	5.88E-09	5.88E-09	0.00E+00	5.41E-09	5.41E-09	4.65E-04	3.34E-09	6.09E-08
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	1982	8	25	4.97E-06	1.99E-02	5.13E-05	4.33E-09	0.00E+00	5.53E-09	5.53E-09	0.00E+00	5.08E-09	5.08E-09	4.37E-04	3.14E-09	5.73E-08
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	3677.75	14	25	9.23E-06	3.70E-02	9.52E-05	8.03E-09	0.00E+00	1.03E-08	1.03E-08	0.00E+00	9.43E-09	9.43E-09	8.12E-04	5.82E-09	1.06E-07
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	5008	19	25	1.26E-05	5.04E-02	1.30E-04	1.09E-08	0.00E+00	1.40E-08	1.40E-08	0.00E+00	1.28E-08	1.28E-08	1.11E-03	7.93E-09	1.45E-07
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	1095.5	4	25	2.75E-06	1.10E-02	2.84E-05	2.39E-09	0.00E+00	3.06E-09	3.06E-09	0.00E+00	2.81E-09	2.81E-09	2.42E-04	1.73E-09	3.17E-08
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	2504	10	25	6.28E-06	2.52E-02	6.48E-05	5.47E-09	0.00E+00	6.99E-09	6.99E-09	0.00E+00	6.42E-09	6.42E-09	5.53E-04	3.96E-09	7.24E-08
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	156	1	25	3.91E-07	1.57E-03	4.04E-06	3.41E-10	0.00E+00	4.35E-10	4.35E-10	0.00E+00	4.00E-10	4.00E-10	3.44E-05	2.47E-10	4.51E-09
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	132	1	25	3.31E-07	1.33E-03	3.42E-06	2.88E-10	0.00E+00	3.68E-10	3.68E-10	0.00E+00	3.39E-10	3.39E-10	2.91E-05	2.09E-10	3.82E-09
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	738.25	3	25	1.85E-06	7.43E-03	1.91E-05	1.61E-09	0.00E+00	2.06E-09	2.06E-09	0.00E+00	1.89E-09	1.89E-09	1.63E-04	1.17E-09	2.13E-08
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	342	1	25	8.58E-07	3.44E-03	8.85E-06	7.47E-10	0.00E+00	9.54E-10	9.54E-10	0.00E+00	8.77E-10	8.77E-10	7.55E-05	5.41E-10	9.89E-09
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	1565	6	25	3.44E-06	1.57E-02	4.08E-05	3.37E-09	0.00E+00	4.05E-09	4.05E-09	0.00E+00	3.73E-09	3.73E-09	3.41E-04	2.46E-09	3.82E-08
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	1878	7	25	4.13E-06	1.89E-02	4.90E-05	4.04E-09	0.00E+00	4.87E-09	4.87E-09	0.00E+00	4.47E-09	4.47E-09	4.09E-04	2.95E-09	4.59E-08
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	547.75	2	25	1.21E-06	5.51E-03	1.43E-05	1.18E-09	0.00E+00	1.42E-09	1.42E-09	0.00E+00	1.30E-09	1.30E-09	1.19E-04	8.59E-10	1.34E-08
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	1252	5	25	2.75E-06	1.26E-02	3.27E-05	2.70E-09	0.00E+00	3.24E-09	3.24E-09	0.00E+00	2.98E-09	2.98E-09	2.72E-04	1.96E-09	3.06E-08
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	156	1	25	3.43E-07	1.57E-03	4.07E-06	3.36E-10	0.00E+00	4.04E-10	4.04E-10	0.00E+00	3.72E-10	3.72E-10	3.39E-05	2.45E-10	3.81E-09
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	132	1	25	2.90E-07	1.33E-03	3.44E-06	2.84E-10	0.00E+00	3.42E-10	3.42E-10	0.00E+00	3.14E-10	3.14E-10	2.87E-05	2.07E-10	3.22E-09
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	426.25	2	25	9.38E-07	4.29E-03	1.11E-05	9.18E-10	0.00E+00	1.10E-09	1.10E-09	0.00E+00	1.02E-09	1.02E-09	9.28E-05	6.69E-10	1.04E-08
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	78	0	25	1.72E-07	7.85E-04	2.03E-06	1.68E-10	0.00E+00	2.02E-10	2.02E-10	0.00E+00	1.86E-10	1.86E-10	1.70E-05	1.22E-10	1.90E-09
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	3216.25	12	25	6.49E-06	3.25E-02	8.41E-05	6.93E-09	0.00E+00	8.15E-09	8.15E-09	0.00E+00	7.49E-09	7.49E-09	7.00E-04	5.05E-09	6.58E-08
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	780	3	25	1.57E-06	7.88E-03	2.04E-05	1.68E-09	0.00E+00	1.98E-09	1.98E-09	0.00E+00	1.82E-09	1.82E-09	1.70E-04	1.22E-09	1.60E-08
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	10955	42	25	2.21E-05	1.11E-01	2.86E-04	2.36E-08	0.00E+00	2.78E-08	2.78E-08	0.00E+00	2.55E-08	2.55E-08	2.39E-03	1.72E-08	2.24E-07
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	6162	24	25	1.24E-05	6.23E-02	1.61E-04	1.33E-08	0.00E+00	1.56E-08	1.56E-08	0.00E+00	1.44E-08	1.44E-08	1.34E-03	9.68E-09	1.26E-07
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	3834.25	15	25	7.74E-06	3.87E-02	1.00E-04	8.26E-09	0.00E+00	9.72E-09	9.72E-09	0.00E+00	8.93E-09	8.93E-09	8.35E-04	6.02E-09	7.85E-08
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	8764	34	25	1.77E-05	8.85E-02	2.29E-04	1.89E-08	0.00E+00	2.22E-08	2.22E-08	0.00E+00	2.04E-08	2.04E-08	1.91E-03	1.38E-08	1.79E-07
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	624	2	25	1.26E-06	6.30E-03	1.63E-05	1.34E-09	0.00E+00	1.58E-09	1.58E-09	0.00E+00	1.45E-09	1.45E-09	1.36E-04	9.80E-10	1.28E-08
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	996	4	25	2.01E-06	1.01E-02	2.60E-05	2.15E-09	0.00E+00	2.52E-09	2.52E-09	0.00E+00	2.32E-09	2.32E-09	2.17E-04	1.56E-09	2.04E-08
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	396	2	25	7.99E-07	4.00E-03	1.04E-05	8.53E-10	0.00E+00	1.00E-09	1.00E-09	0.00E+00	9.23E-10	9.23E-10	8.62E-05	6.22E-10	8.11E-09
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	2170	8	25	3.90E-06	2.19E-02	5.63E-05	4.63E-09	0.00E+00	5.20E-09	5.20E-09	0.00E+00	4.78E-09	4.78E-09	4.68E-04	3.38E-09	3.73E-08
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	364	1	25	6.55E-07	3.67E-03	9.45E-06	7.77E-10	0.00E+00	8.73E-10	8.73E-10	0.00E+00	8.02E-10	8.02E-10	7.86E-05	5.67E-10	6.26E-09
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	6260	24	25	1.13E-05	6.30E-02	1.63E-04	1.34E-08	0.00E+00	1.50E-08	1.50E-08	0.00E+00	1.38E-08	1.38E-08	1.35E-03	9.75E-09	1.08E-07
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	7512	29	25	1.35E-05	7.57E-02	1.95E-04	1.60E-08	0.00E+00	1.80E-08	1.80E-08	0.00E+00	1.66E-08	1.66E-08	1.62E-03	1.17E-08	1.29E-07
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	2191	8	25	3.94E-06	2.21E-02	5.69E-05	4.68E-09	0.00E+00	5.25E-09	5.25E-09	0.00E+00	4.83E-09	4.83E-09	4.73E-04	3.41E-09	3.77E-08
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	5008	19	25	9.01E-06	5.04E-02	1.30E-04	1.07E-08	0.00E+00	1.20E-08	1.20E-08	0.00E+00	1.10E-08	1.10E-08	1.08E-03	7.80E-09	8.62E-08
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	624	2	25	1.12E-06	6.28E-03	1.62E-05	1.33E-09	0.00E+00	1.50E-09	1.50E-09	0.00E+00	1.38E-09	1.38E-09	1.35E-04	9.72E-10	1.07E-08
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	528	2	25	9.50E-07	5.32E-03	1.37E-05	1.13E-09	0.00E+00	1.27E-09	1.27E-09	0.00E+00	1.16E-09	1.16E-09	1.14E-04	8.23E-10	9.09E-09

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Haul Running Emission Factors ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission Factor (g/mile)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1085	4	25	2.32E-02	2.45E+00	4.44E-01	1.19E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	208	1	25	2.32E-02	2.45E+00	4.44E-01	1.19E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	25	2.32E-02	2.45E+00	4.44E-01	1.19E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	7512	29	25	2.32E-02	2.45E+00	4.44E-01	1.19E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	2191	8	25	2.32E-02	2.45E+00	4.44E-01	1.19E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	5008	19	25	2.32E-02	2.45E+00	4.44E-01	1.19E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	0	0	25	2.32E-02	2.45E+00	4.44E-01	1.19E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	25	2.32E-02	2.45E+00	4.44E-01	1.19E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	25	2.32E-02	2.45E+00	4.44E-01	1.19E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	624	2	25	2.32E-02	2.45E+00	4.44E-01	1.19E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	528	2	25	2.32E-02	2.45E+00	4.44E-01	1.19E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.32E+03	7.83E-02	2.10E-01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	2107.5	8	25	2.28E-02	2.42E+00	4.52E-01	1.17E-02	3.96E-01	2.04E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	1982	8	25	2.28E-02	2.42E+00	4.52E-01	1.17E-02	3.96E-01	2.04E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	3677.75	14	25	2.28E-02	2.42E+00	4.52E-01	1.17E-02	3.96E-01	2.04E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	5008	19	25	2.28E-02	2.42E+00	4.52E-01	1.17E-02	3.96E-01	2.04E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	1095.5	4	25	2.28E-02	2.42E+00	4.52E-01	1.17E-02	3.96E-01	2.04E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	2504	10	25	2.28E-02	2.42E+00	4.52E-01	1.17E-02	3.96E-01	2.04E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	156	1	25	2.28E-02	2.42E+00	4.52E-01	1.17E-02	3.96E-01	2.04E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	132	1	25	2.28E-02	2.42E+00	4.52E-01	1.17E-02	3.96E-01	2.04E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	25	2.28E-02	2.42E+00	4.52E-01	1.17E-02	3.96E-01	2.04E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	738.25	3	25	2.28E-02	2.42E+00	4.52E-01	1.17E-02	3.96E-01	2.04E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	342	1	25	2.28E-02	2.42E+00	4.52E-01	1.17E-02	3.96E-01	2.04E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.29E+03	7.86E-02	2.06E-01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	1565	6	25	2.24E-02	2.39E+00	4.58E-01	1.14E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	1878	7	25	2.24E-02	2.39E+00	4.58E-01	1.14E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	547.75	2	25	2.24E-02	2.39E+00	4.58E-01	1.14E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	1252	5	25	2.24E-02	2.39E+00	4.58E-01	1.14E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	0	0	25	2.24E-02	2.39E+00	4.58E-01	1.14E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	0	0	25	2.24E-02	2.39E+00	4.58E-01	1.14E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	156	1	25	2.24E-02	2.39E+00	4.58E-01	1.14E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	132	1	25	2.24E-02	2.39E+00	4.58E-01	1.14E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	25	2.24E-02	2.39E+00	4.58E-01	1.14E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	426.25	2	25	2.24E-02	2.39E+00	4.58E-01	1.14E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	78	0	25	2.24E-02	2.39E+00	4.58E-01	1.14E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.27E+03	7.87E-02	2.01E-01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	3216.25	12	25	2.21E-02	2.36E+00	4.64E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	780	3	25	2.21E-02	2.36E+00	4.64E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	10955	42	25	2.21E-02	2.36E+00	4.64E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	6162	24	25	2.21E-02	2.36E+00	4.64E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	3834.25	15	25	2.21E-02	2.36E+00	4.64E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	8764	34	25	2.21E-02	2.36E+00	4.64E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	0	0	25	2.21E-02	2.36E+00	4.64E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	25	2.21E-02	2.36E+00	4.64E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	624	2	25	2.21E-02	2.36E+00	4.64E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	996	4	25	2.21E-02	2.36E+00	4.64E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	396	2	25	2.21E-02	2.36E+00	4.64E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.24E+03	7.90E-02	1.97E-01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	2170	8	25	2.17E-02	2.33E+00	4.70E-01	1.09E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	364	1	25	2.17E-02	2.33E+00	4.70E-01	1.09E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	6260	24	25	2.17E-02	2.33E+00	4.70E-01	1.09E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	7512	29	25	2.17E-02	2.33E+00	4.70E-01	1.09E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	2191	8	25	2.17E-02	2.33E+00	4.70E-01	1.09E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	5008	19	25	2.17E-02	2.33E+00	4.70E-01	1.09E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	0	0	25	2.17E-02	2.33E+00	4.70E-01	1.09E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	0	0	25	2.17E-02	2.33E+00	4.70E-01	1.09E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	0	0	25	2.17E-02	2.33E+00	4.70E-01	1.09E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	624	2	25	2.17E-02	2.33E+00	4.70E-01	1.09E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	528	2	25	2.17E-02	2.33E+00	4.70E-01	1.09E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.21E+03	7.93E-02	1.93E-01

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1085	4	25	5.31E-03	5.61E-01	1.02E-01	2.74E-03	9.08E-02	4.70E-03	9.55E-02	2.49E-02	4.50E-03	2.94E-02	3.02E+02	1.79E-02	4.80E-02
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	208	1	25	1.02E-03	1.08E-01	1.95E-02	5.24E-04	1.74E-02	9.01E-04	1.83E-02	4.77E-03	8.62E-04	5.63E-03	5.79E+01	3.44E-03	9.20E-03
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	25	3.06E-02	3.24E+00	5.87E-01	1.58E-02	5.24E-01	2.71E-02	5.51E-01	1.44E-01	2.59E-02	1.69E-01	1.74E+03	1.03E-01	2.77E-01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	7512	29	25	3.68E-02	3.88E+00	7.04E-01	1.89E-02	6.29E-01	3.25E-02	6.61E-01	1.72E-01	3.11E-02	2.03E-01	2.09E+03	1.24E-01	3.32E-01
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	2191	8	25	1.07E-02	1.13E+00	2.05E-01	5.52E-03	1.83E-01	9.49E-03	1.93E-01	5.02E-02	9.08E-03	5.93E-02	6.10E+02	3.62E-02	9.70E-02
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	5008	19	25	2.45E-02	2.59E+00	4.70E-01	1.26E-02	4.19E-01	2.17E-02	4.41E-01	1.15E-01	2.08E-02	1.36E-01	1.39E+03	8.28E-02	2.22E-01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	624	2	25	3.05E-03	3.23E-01	5.85E-02	1.57E-03	5.22E-02	2.70E-03	5.49E-02	1.43E-02	2.59E-03	1.69E-02	1.74E+02	1.03E-02	2.76E-02
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	528	2	25	2.58E-03	2.73E-01	4.95E-02	1.33E-03	4.42E-02	2.29E-03	4.65E-02	1.21E-02	2.19E-03	1.43E-02	1.47E+02	8.73E-03	2.34E-02
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	2107.5	8	25	1.01E-02	1.08E+00	2.01E-01	5.20E-03	1.76E-01	9.09E-03	1.85E-01	4.83E-02	8.69E-03	5.70E-02	5.75E+02	3.50E-02	9.15E-02
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	1982	8	25	9.53E-03	1.01E+00	1.89E-01	4.89E-03	1.66E-01	8.54E-03	1.74E-01	4.54E-02	8.18E-03	5.36E-02	5.41E+02	3.29E-02	8.60E-02
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	3677.75	14	25	1.77E-02	1.88E+00	3.51E-01	9.08E-03	3.08E-01	1.59E-02	3.24E-01	8.43E-02	1.52E-02	9.95E-02	1.00E+03	6.11E-02	1.60E-01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	5008	19	25	2.41E-02	2.56E+00	4.78E-01	1.24E-02	4.19E-01	2.16E-02	4.41E-01	1.15E-01	2.07E-02	1.35E-01	1.37E+03	8.32E-02	2.17E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	1095.5	4	25	5.27E-03	5.60E-01	1.05E-01	2.71E-03	9.17E-02	4.72E-03	9.64E-02	2.51E-02	4.52E-03	2.96E-02	2.99E+02	1.82E-02	4.76E-02
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	2504	10	25	1.20E-02	1.28E+00	2.39E-01	6.18E-03	2.10E-01	1.08E-02	2.20E-01	5.74E-02	1.03E-02	6.77E-02	6.83E+02	4.16E-02	1.09E-01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	156	1	25	7.50E-04	7.97E-02	1.49E-02	3.85E-04	1.31E-02	6.73E-04	1.37E-02	3.58E-03	6.43E-04	4.22E-03	4.26E+01	2.59E-03	6.77E-03
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	132	1	25	6.35E-04	6.74E-02	1.26E-02	3.26E-04	1.10E-02	5.69E-04	1.16E-02	3.03E-03	5.44E-04	3.57E-03	3.60E+01	2.19E-03	5.73E-03
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	738.25	3	25	3.55E-03	3.77E-01	7.05E-02	1.82E-03	6.18E-02	3.18E-03	6.49E-02	1.69E-02	3.05E-03	2.00E-02	2.01E+02	1.23E-02	3.20E-02
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	342	1	25	1.64E-03	1.75E-01	3.26E-02	8.45E-04	2.86E-02	1.47E-03	3.01E-02	7.84E-03	1.41E-03	9.25E-03	9.33E+01	5.68E-03	1.48E-02
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	1565	6	25	7.40E-03	7.90E-01	1.51E-01	3.78E-03	1.31E-01	6.70E-03	1.38E-01	3.59E-02	6.41E-03	4.23E-02	4.18E+02	2.60E-02	6.66E-02
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	1878	7	25	8.88E-03	9.48E-01	1.82E-01	4.54E-03	1.57E-01	8.04E-03	1.65E-01	4.31E-02	7.70E-03	5.07E-02	5.02E+02	3.12E-02	7.99E-02
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	547.75	2	25	2.59E-03	2.76E-01	5.30E-02	1.32E-03	4.58E-02	2.35E-03	4.82E-02	1.26E-02	2.24E-03	1.48E-02	1.46E+02	9.10E-03	2.33E-02
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	1252	5	25	5.92E-03	6.32E-01	1.21E-01	3.03E-03	1.05E-01	5.36E-03	1.10E-01	2.87E-02	5.13E-03	3.38E-02	3.35E+02	2.08E-02	5.32E-02
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	156	1	25	7.37E-04	7.87E-02	1.51E-02	3.77E-04	1.31E-02	6.68E-04	1.37E-02	3.58E-03	6.39E-04	4.22E-03	4.17E+01	2.59E-03	6.63E-03
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	132	1	25	6.24E-04	6.66E-02	1.28E-02	3.19E-04	1.10E-02	5.65E-04	1.16E-02	3.03E-03	5.41E-04	3.57E-03	3.53E+01	2.19E-03	5.61E-03
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	426.25	2	25	2.02E-03	2.15E-01	4.12E-02	1.03E-03	3.57E-02	1.83E-03	3.75E-02	9.77E-03	1.75E-03	1.15E-02	1.14E+02	7.08E-03	1.81E-02
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	78	0	25	3.69E-04	3.94E-02	7.55E-03	1.88E-04	6.53E-03	3.34E-04	6.86E-03	1.79E-03	3.20E-04	2.11E-03	2.08E+01	1.30E-03	3.32E-03
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	3216.25	12	25	1.50E-02	1.61E+00	3.17E-01	7.63E-03	2.70E-01	1.37E-02	2.84E-01	7.40E-02	1.31E-02	8.71E-02	8.45E+02	5.39E-02	1.34E-01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	780	3	25	3.65E-03	3.90E-01	7.68E-02	1.85E-03	6.55E-02	3.33E-03	6.88E-02	1.79E-02	3.19E-03	2.11E-02	2.05E+02	1.31E-02	3.26E-02
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	10955	42	25	5.12E-02	5.48E+00	1.08E+00	2.60E-02	9.20E-01	4.68E-02	9.67E-01	2.52E-01	4.47E-02	2.97E-01	2.88E+03	1.83E-01	4.58E-01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	6162	24	25	2.88E-02	3.08E+00	6.07E-01	1.46E-02	5.18E-01	2.63E-02	5.44E-01	1.42E-01	2.52E-02	1.67E-01	1.62E+03	1.03E-01	2.58E-01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	3834.25	15	25	1.79E-02	1.92E+00	3.78E-01	9.10E-03	3.22E-01	1.64E-02	3.38E-01	8.82E-02	1.57E-02	1.04E-01	1.01E+03	6.42E-02	1.60E-01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	8764	34	25	4.10E-02	4.39E+00	8.63E-01	2.08E-02	7.36E-01	3.74E-02	7.73E-01	2.02E-01	3.58E-02	2.37E-01	2.30E+03	1.47E-01	3.66E-01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	624	2	25	2.92E-03	3.12E-01	6.14E-02	1.48E-03	5.24E-02	2.66E-03	5.51E-02	1.44E-02	2.55E-03	1.69E-02	1.64E+02	1.05E-02	2.61E-02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	996	4	25	4.66E-03	4.99E-01	9.81E-02	2.36E-03	8.37E-02	4.25E-03	8.79E-02	2.29E-02	4.07E-03	2.70E-02	2.62E+02	1.67E-02	4.16E-02
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	396	2	25	1.85E-03	1.98E-01	3.90E-02	9.40E-04	3.33E-02	1.69E-03	3.49E-02	9.11E-03	1.62E-03	1.07E-02	1.04E+02	6.63E-03	1.66E-02
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	2170	8	25	9.96E-03	1.07E+00	2.15E-01	5.02E-03	1.82E-01	9.15E-03	1.91E-01	4.97E-02	8.75E-03	5.85E-02	5.56E+02	3.64E-02	8.85E-02
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	364	1	25	1.67E-03	1.79E-01	3.61E-02	8.42E-04	3.05E-02	1.53E-03	3.20E-02	8.34E-03	1.47E-03	9.81E-03	9.33E+01	6.10E-03	1.49E-02
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	6260	24	25	2.87E-02	3.08E+00	6.21E-01	1.45E-02	5.24E-01	2.64E-02	5.50E-01	1.44E-01	2.52E-02	1.69E-01	1.60E+03	1.05E-01	2.55E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	7512	29	25	3.45E-02	3.70E+00	7.46E-01	1.74E-02	6.29E-01	3.17E-02	6.60E-01	1.72E-01	3.03E-02	2.02E-01	1.93E+03	1.26E-01	3.06E-01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	2191	8	25	1.01E-02	1.08E+00	2.18E-01	5.07E-03	1.83E-01	9.23E-03	1.93E-01	5.02E-02	8.83E-03	5.91E-02	5.61E+02	3.67E-02	8.94E-02
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	5008	19	25	2.30E-02	2.47E+00	4.97E-01	1.16E-02	4.19E-01	2.11E-02	4.40E-01	1.15E-01	2.02E-02	1.35E-01	1.28E+03	8.39E-02	2.04E-01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	624	2	25	2.86E-03	3.07E-01	6.19E-02	1.44E-03	5.22E-02	2.63E-03	5.48E-02	1.43E-02	2.52E-03	1.68E-02	1.60E+02	1.05E-02	2.55E-02
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	528	2	25	2.42E-03	2.60E-01	5.24E-02	1.22E-03	4.42E-02	2.23E-03	4.64E-02	1.21E-02	2.13E-03	1.42E-02	1.35E+02	8.85E-03	2.15E-02

						Vendor Starting Evaporative Emission Factors												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission Factor (g/trip)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	7	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	4	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	2	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	15	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	6	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	7	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	6	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	0	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	4	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	6	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9.75	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2.5	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	16.25	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2.5	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	9.25	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	4.5	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	4.5	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	4.5	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4.25	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	3.5	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	6.25	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	0.5	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	3.75	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	1.5	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	1.75	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	1.5	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	1	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	1.5	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	2.25	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	0.5	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	16.25	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	4.5	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	43.75	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	7.5	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	26.25	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	10.5	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	12.25	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	10.5	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	4	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	9	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	4.5	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	4	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	2	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	15	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	6	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	7	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	6	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	4	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	6	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03

						Daily Emissions													
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	7	25	15	6.74E-04	1.55E-02	4.12E-03	3.92E-07	0.00E+00	4.25E-07	4.25E-07	0.00E+00	3.91E-07	3.91E-07	3.97E-02	3.81E-05	3.15E-05
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	4	25	15	3.85E-04	8.88E-03	2.35E-03	2.24E-07	0.00E+00	2.43E-07	2.43E-07	0.00E+00	2.23E-07	2.23E-07	2.27E-02	2.18E-05	1.80E-05
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	25	15	2.41E-03	5.55E-02	1.47E-02	1.40E-06	0.00E+00	1.52E-06	1.52E-06	0.00E+00	1.39E-06	1.39E-06	1.42E-01	1.36E-04	1.12E-04
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	2	25	15	1.93E-04	4.44E-03	1.18E-03	1.12E-07	0.00E+00	1.21E-07	1.21E-07	0.00E+00	1.12E-07	1.12E-07	1.13E-02	1.09E-05	8.99E-06
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	15	25	15	1.44E-03	3.33E-02	8.83E-03	8.41E-07	0.00E+00	9.10E-07	9.10E-07	0.00E+00	8.37E-07	8.37E-07	8.50E-02	8.16E-05	6.74E-05
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	6	25	15	5.78E-04	1.33E-02	3.53E-03	3.36E-07	0.00E+00	3.64E-07	3.64E-07	0.00E+00	3.35E-07	3.35E-07	3.40E-02	3.26E-05	2.70E-05
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	7	25	15	6.74E-04	1.55E-02	4.12E-03	3.92E-07	0.00E+00	4.25E-07	4.25E-07	0.00E+00	3.91E-07	3.91E-07	3.97E-02	3.81E-05	3.15E-05
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	6	25	15	5.78E-04	1.33E-02	3.53E-03	3.36E-07	0.00E+00	3.64E-07	3.64E-07	0.00E+00	3.35E-07	3.35E-07	3.40E-02	3.26E-05	2.70E-05
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	4	25	15	3.85E-04	8.88E-03	2.35E-03	2.24E-07	0.00E+00	2.43E-07	2.43E-07	0.00E+00	2.23E-07	2.23E-07	2.27E-02	2.18E-05	1.80E-05
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	6	25	15	5.78E-04	1.33E-02	3.53E-03	3.36E-07	0.00E+00	3.64E-07	3.64E-07	0.00E+00	3.35E-07	3.35E-07	3.40E-02	3.26E-05	2.70E-05
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9.75	25	15	8.87E-04	2.17E-02	5.40E-03	5.25E-07	0.00E+00	5.75E-07	5.75E-07	0.00E+00	5.29E-07	5.29E-07	5.31E-02	5.07E-05	4.28E-05
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2.5	25	15	2.27E-04	5.56E-03	1.39E-03	1.35E-07	0.00E+00	1.47E-07	1.47E-07	0.00E+00	1.36E-07	1.36E-07	1.36E-02	1.30E-05	1.10E-05
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	16.25	25	15	1.48E-03	3.62E-02	9.01E-03	8.75E-07	0.00E+00	9.59E-07	9.59E-07	0.00E+00	8.81E-07	8.81E-07	8.85E-02	8.45E-05	7.13E-05
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2.5	25	15	2.27E-04	5.56E-03	1.39E-03	1.35E-07	0.00E+00	1.47E-07	1.47E-07	0.00E+00	1.36E-07	1.36E-07	1.36E-02	1.30E-05	1.10E-05
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	9.25	25	15	8.41E-04	2.06E-02	5.13E-03	4.98E-07	0.00E+00	5.46E-07	5.46E-07	0.00E+00	5.02E-07	5.02E-07	5.04E-02	4.81E-05	4.06E-05
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	4.5	25	15	4.09E-04	1.00E-02	2.49E-03	2.42E-07	0.00E+00	2.65E-07	2.65E-07	0.00E+00	2.44E-07	2.44E-07	2.45E-02	2.34E-05	1.98E-05
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	4.5	25	15	4.09E-04	1.00E-02	2.49E-03	2.42E-07	0.00E+00	2.65E-07	2.65E-07	0.00E+00	2.44E-07	2.44E-07	2.45E-02	2.34E-05	1.98E-05
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	4.5	25	15	4.09E-04	1.00E-02	2.49E-03	2.42E-07	0.00E+00	2.65E-07	2.65E-07	0.00E+00	2.44E-07	2.44E-07	2.45E-02	2.34E-05	1.98E-05
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4.25	25	15	3.87E-04	9.46E-03	2.36E-03	2.29E-07	0.00E+00	2.51E-07	2.51E-07	0.00E+00	2.30E-07	2.30E-07	2.31E-02	2.21E-05	1.87E-05
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	3.5	25	15	3.18E-04	7.79E-03	1.94E-03	1.89E-07	0.00E+00	2.06E-07	2.06E-07	0.00E+00	1.90E-07	1.90E-07	1.91E-02	1.82E-05	1.54E-05
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	6.25	25	15	5.39E-04	1.39E-02	3.28E-03	3.24E-07	0.00E+00	3.60E-07	3.60E-07	0.00E+00	3.31E-07	3.31E-07	3.27E-02	3.11E-05	2.68E-05
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	0.5	25	15	4.31E-05	1.12E-03	2.62E-04	2.59E-08	0.00E+00	2.88E-08	2.88E-08	0.00E+00	2.65E-08	2.65E-08	2.62E-03	2.49E-06	2.15E-06
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	3.75	25	15	3.24E-04	8.37E-03	1.97E-03	1.94E-07	0.00E+00	2.16E-07	2.16E-07	0.00E+00	1.98E-07	1.98E-07	1.96E-02	1.87E-05	1.61E-05
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	1.5	25	15	1.29E-04	3.35E-03	7.86E-04	7.77E-08	0.00E+00	8.63E-08	8.63E-08	0.00E+00	7.94E-08	7.94E-08	7.85E-03	7.47E-06	6.44E-06
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	1.75	25	15	1.51E-04	3.91E-03	9.17E-04	9.06E-08	0.00E+00	1.01E-07	1.01E-07	0.00E+00	9.26E-08	9.26E-08	9.16E-03	8.72E-06	7.52E-06
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	1.5	25	15	1.29E-04	3.35E-03	7.86E-04	7.77E-08	0.00E+00	8.63E-08	8.63E-08	0.00E+00	7.94E-08	7.94E-08	7.85E-03	7.47E-06	6.44E-06
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	1	25	15	8.63E-05	2.23E-03	5.24E-04	5.18E-08	0.00E+00	5.76E-08	5.76E-08	0.00E+00	5.29E-08	5.29E-08	5.23E-03	4.98E-06	4.30E-06
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	1.5	25	15	1.29E-04	3.35E-03	7.86E-04	7.77E-08	0.00E+00	8.63E-08	8.63E-08	0.00E+00	7.94E-08	7.94E-08	7.85E-03	7.47E-06	6.44E-06
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	2.25	25	15	1.94E-04	5.02E-03	1.18E-03	1.17E-07	0.00E+00	1.30E-07	1.30E-07	0.00E+00	1.19E-07	1.19E-07	1.18E-02	1.12E-05	9.66E-06
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	0.5	25	15	4.31E-05	1.12E-03	2.62E-04	2.59E-08	0.00E+00	2.88E-08	2.88E-08	0.00E+00	2.65E-08	2.65E-08	2.62E-03	2.49E-06	2.15E-06
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	16.25	25	15	1.34E-03	3.63E-02	8.12E-03	8.13E-07	0.00E+00	9.20E-07	9.20E-07	0.00E+00	8.46E-07	8.46E-07	8.22E-02	7.82E-05	6.87E-05
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	4.5	25	15	3.71E-04	1.01E-02	2.25E-03	2.25E-07	0.00E+00	2.55E-07	2.55E-07	0.00E+00	2.34E-07	2.34E-07	2.28E-02	2.17E-05	1.90E-05
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	43.75	25	15	3.60E-03	9.79E-02	2.19E-02	2.19E-06	0.00E+00	2.48E-06	2.48E-06	0.00E+00	2.28E-06	2.28E-06	2.21E-01	2.10E-04	1.85E-04
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	7.5	25	15	6.18E-04	1.68E-02	3.75E-03	3.75E-07	0.00E+00	4.25E-07	4.25E-07	0.00E+00	3.91E-07	3.91E-07	3.79E-02	3.61E-05	3.17E-05
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	26.25	25	15	2.16E-03	5.87E-02	1.31E-02	1.31E-06	0.00E+00	1.49E-06	1.49E-06	0.00E+00	1.37E-06	1.37E-06	1.33E-01	1.26E-04	1.11E-04
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	10.5	25	15	8.65E-04	2.35E-02	5.24E-03	5.26E-07	0.00E+00	5.95E-07	5.95E-07	0.00E+00	5.47E-07	5.47E-07	5.31E-02	5.05E-05	4.44E-05
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	12.25	25	15	1.01E-03	2.74E-02	6.12E-03	6.13E-07	0.00E+00	6.94E-07	6.94E-07	0.00E+00	6.38E-07	6.38E-07	6.20E-02	5.89E-05	5.18E-05
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	10.5	25	15	8.65E-04	2.35E-02	5.24E-03	5.26E-07	0.00E+00	5.95E-07	5.95E-07	0.00E+00	5.47E-07	5.47E-07	5.31E-02	5.05E-05	4.44E-05
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	4	25	15	3.30E-04	8.95E-03	2.00E-03	2.00E-07	0.00E+00	2.27E-07	2.27E-07	0.00E+00	2.08E-07	2.08E-07	2.02E-02	1.92E-05	1.69E-05
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	9	25	15	7.42E-04	2.01E-02	4.50E-03	4.50E-07	0.00E+00	5.10E-07	5.10E-07	0.00E+00	4.69E-07	4.69E-07	4.55E-02	4.33E-05	3.81E-05
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	4.5	25	15	3.71E-04	1.01E-02	2.25E-03	2.25E-07	0.00E+00	2.55E-07	2.55E-07	0.00E+00	2.34E-07	2.34E-07	2.28E-02	2.17E-05	1.90E-05
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	25	15	7.88E-04	2.24E-02	4.77E-03	4.85E-07	0.00E+00	5.59E-07	5.59E-07	0.00E+00	5.14E-07	5.14E-07	4.90E-02	4.66E-05	4.17E-05
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	4	25	15	3.15E-04	8.97E-03	1.91E-03	1.94E-07	0.00E+00	2.23E-07	2.23E-07	0.00E+00	2.05E-07	2.05E-07	1.96E-02	1.87E-05	1.67E-05
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	25	15	1.97E-03	5.61E-02	1.19E-02	1.21E-06	0.00E+00	1.40E-06	1.40E-06	0.00E+00	1.28E-06	1.28E-06	1.22E-01	1.17E-04	1.04E-04
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	2	25	15	1.58E-04	4.48E-03	9.55E-04	9.70E-08	0.00E+00	1.12E-07	1.12E-07	0.00E+00	1.03E-07	1.03E-07	9.80E-03	9.33E-06	8.35E-06
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	15	25	15	1.18E-03	3.36E-02	7.16E-03	7.27E-07	0.00E+00	8.38E-07	8.38E-07	0.00E+00	7.71E-07	7.71E-07	7.35E-02	6.99E-05	6.26E-05
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	6	25	15	4.73E-04	1.35E-02	2.86E-03	2.91E-07	0.00E+00	3.35E-07	3.35E-07	0.00E+00	3.08E-07	3.08E-07	2.94E-02	2.80E-05	2.50E-05
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	7	25	15	5.52E-04	1.57E-02	3.34E-03	3.39E-07	0.00E+00	3.91E-07	3.91E-07	0.00E+00	3.60E-07	3.60E-07	3.43E-02	3.26E-05	2.92E-05
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	6	25	15	4.73E-04	1.35E-02	2.86E-03	2.91E-07	0.00E+00	3.35E-07	3.35E-07	0.00E+00	3.08E-07	3.08E-07	2.94E-02	2.80E-05	2.50E-05
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	4	25	15	3.15E-04	8.97E-03	1.91E-03	1.94E-07	0.00E+00	2.23E-07	2.23E-07	0.00E+00	2.05E-07	2.05E-07	1.96E-02	1.87E-05	1.67E-05
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	6	25	15	4.73E-04	1.35E-02	2.86E-03	2.91E-07	0.00E+00	3.35E-07	3.35E-07	0.00E+00	3.08E-07	3.08E-07	2.94E-02	2.80E-05	2.50E-05

						Vendor Running Emission Factors												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission Factor (g/mile)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	7	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	4	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	2	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	15	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	6	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	7	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	6	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	0	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	4	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	6	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9.75	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2.5	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	16.25	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2.5	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	9.25	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	4.5	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	4.5	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	4.5	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4.25	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	3.5	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	6.25	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	0.5	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	3.75	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	1.5	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	1.75	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	1.5	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	1	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	1.5	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	2.25	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	0.5	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	16.25	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	4.5	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	43.75	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	7.5	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	26.25	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	10.5	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	12.25	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	10.5	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	4	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	9	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	4.5	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	4	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	2	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	15	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	6	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	7	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	6	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	4	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	6	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	7	25	15	6.63E-03	6.72E-01	1.20E-01	4.09E-03	1.62E-01	5.24E-03	1.67E-01	4.65E-02	5.01E-03	5.15E-02	4.42E+02	1.53E-02	6.36E-02
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	4	25	15	3.79E-03	3.84E-01	6.85E-02	2.34E-03	9.24E-02	2.99E-03	9.54E-02	2.66E-02	2.86E-03	2.94E-02	2.52E+02	8.77E-03	3.63E-02
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	25	15	2.37E-02	2.40E+00	4.28E-01	1.46E-02	5.78E-01	1.87E-02	5.96E-01	1.66E-01	1.79E-02	1.84E-01	1.58E+03	5.48E-02	2.27E-01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	2	25	15	1.90E-03	1.92E-01	3.43E-02	1.17E-03	4.62E-02	1.50E-03	4.77E-02	1.33E-02	1.43E-03	1.47E-02	1.26E+02	4.39E-03	1.82E-02
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	15	25	15	1.42E-02	1.44E+00	2.57E-01	8.77E-03	3.47E-01	1.12E-02	3.58E-01	9.96E-02	1.07E-02	1.10E-01	9.46E+02	3.29E-02	1.36E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	6	25	15	5.69E-03	5.76E-01	1.03E-01	3.51E-03	1.39E-01	4.49E-03	1.43E-01	3.99E-02	4.29E-03	4.41E-02	3.79E+02	1.32E-02	5.45E-02
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	7	25	15	6.63E-03	6.72E-01	1.20E-01	4.09E-03	1.62E-01	5.24E-03	1.67E-01	4.65E-02	5.01E-03	5.15E-02	4.42E+02	1.53E-02	6.36E-02
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	6	25	15	5.69E-03	5.76E-01	1.03E-01	3.51E-03	1.39E-01	4.49E-03	1.43E-01	3.99E-02	4.29E-03	4.41E-02	3.79E+02	1.32E-02	5.45E-02
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	4	25	15	3.79E-03	3.84E-01	6.85E-02	2.34E-03	9.24E-02	2.99E-03	9.54E-02	2.66E-02	2.86E-03	2.94E-02	2.52E+02	8.77E-03	3.63E-02
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	6	25	15	5.69E-03	5.76E-01	1.03E-01	3.51E-03	1.39E-01	4.49E-03	1.43E-01	3.99E-02	4.29E-03	4.41E-02	3.79E+02	1.32E-02	5.45E-02
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9.75	25	15	8.93E-03	9.28E-01	1.64E-01	5.59E-03	2.25E-01	7.28E-03	2.33E-01	6.48E-02	6.97E-03	7.17E-02	6.04E+02	2.14E-02	8.70E-02
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2.5	25	15	2.29E-03	2.38E-01	4.21E-02	1.43E-03	5.78E-02	1.87E-03	5.96E-02	1.66E-02	1.79E-03	1.84E-02	1.55E+02	5.50E-03	2.23E-02
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	16.25	25	15	1.49E-02	1.55E+00	2.73E-01	9.32E-03	3.75E-01	1.21E-02	3.88E-01	1.08E-01	1.16E-02	1.20E-01	1.01E+03	3.57E-02	1.45E-01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2.5	25	15	2.29E-03	2.38E-01	4.21E-02	1.43E-03	5.78E-02	1.87E-03	5.96E-02	1.66E-02	1.79E-03	1.84E-02	1.55E+02	5.50E-03	2.23E-02
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	9.25	25	15	8.48E-03	8.81E-01	1.56E-01	5.30E-03	2.14E-01	6.91E-03	2.21E-01	6.14E-02	6.61E-03	6.80E-02	5.73E+02	2.03E-02	8.25E-02
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	4.5	25	15	4.12E-03	4.28E-01	7.57E-02	2.58E-03	1.04E-01	3.36E-03	1.07E-01	2.99E-02	3.22E-03	3.31E-02	2.79E+02	9.89E-03	4.01E-02
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	4.5	25	15	4.12E-03	4.28E-01	7.57E-02	2.58E-03	1.04E-01	3.36E-03	1.07E-01	2.99E-02	3.22E-03	3.31E-02	2.79E+02	9.89E-03	4.01E-02
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	4.5	25	15	4.12E-03	4.28E-01	7.57E-02	2.58E-03	1.04E-01	3.36E-03	1.07E-01	2.99E-02	3.22E-03	3.31E-02	2.79E+02	9.89E-03	4.01E-02
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4.25	25	15	3.89E-03	4.05E-01	7.15E-02	2.44E-03	9.82E-02	3.17E-03	1.01E-01	2.82E-02	3.04E-03	3.13E-02	2.63E+02	9.35E-03	3.79E-02
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	3.5	25	15	3.21E-03	3.33E-01	5.89E-02	2.01E-03	8.09E-02	2.61E-03	8.35E-02	2.32E-02	2.50E-03	2.57E-02	2.17E+02	7.70E-03	3.12E-02
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	6.25	25	15	5.56E-03	5.89E-01	1.04E-01	3.51E-03	1.44E-01	4.65E-03	1.49E-01	4.15E-02	4.45E-03	4.60E-02	3.79E+02	1.37E-02	5.47E-02
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	0.5	25	15	4.44E-04	4.71E-02	8.29E-03	2.81E-04	1.16E-02	3.72E-04	1.19E-02	3.32E-03	3.56E-04	3.68E-03	3.03E+01	1.10E-03	4.38E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	3.75	25	15	3.33E-03	3.54E-01	6.22E-02	2.11E-03	8.66E-02	2.79E-03	8.94E-02	2.49E-02	2.67E-03	2.76E-02	2.27E+02	8.24E-03	3.28E-02
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	1.5	25	15	1.33E-03	1.41E-01	2.49E-02	8.42E-04	3.47E-02	1.12E-03	3.58E-02	9.96E-03	1.07E-03	1.10E-02	9.10E+01	3.30E-03	1.31E-02
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	1.75	25	15	1.56E-03	1.65E-01	2.90E-02	9.83E-04	4.04E-02	1.30E-03	4.17E-02	1.16E-02	1.25E-03	1.29E-02	1.06E+02	3.84E-03	1.53E-02
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	1.5	25	15	1.33E-03	1.41E-01	2.49E-02	8.42E-04	3.47E-02	1.12E-03	3.58E-02	9.96E-03	1.07E-03	1.10E-02	9.10E+01	3.30E-03	1.31E-02
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	1	25	15	8.89E-04	9.43E-02	1.66E-02	5.62E-04	2.31E-02	7.44E-04	2.38E-02	6.64E-03	7.12E-04	7.35E-03	6.07E+01	2.20E-03	8.75E-03
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	1.5	25	15	1.33E-03	1.41E-01	2.49E-02	8.42E-04	3.47E-02	1.12E-03	3.58E-02	9.96E-03	1.07E-03	1.10E-02	9.10E+01	3.30E-03	1.31E-02
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	2.25	25	15	2.00E-03	2.12E-01	3.73E-02	1.26E-03	5.20E-02	1.67E-03	5.37E-02	1.49E-02	1.60E-03	1.65E-02	1.36E+02	4.94E-03	1.97E-02
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	0.5	25	15	4.44E-04	4.71E-02	8.29E-03	2.81E-04	1.16E-02	3.72E-04	1.19E-02	3.32E-03	3.56E-04	3.68E-03	3.03E+01	1.10E-03	4.38E-03
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	16.25	25	15	1.41E-02	1.52E+00	2.67E-01	8.94E-03	3.75E-01	1.20E-02	3.87E-01	1.08E-01	1.15E-02	1.19E-01	9.67E+02	3.58E-02	1.40E-01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	4.5	25	15	3.90E-03	4.21E-01	7.39E-02	2.48E-03	1.04E-01	3.33E-03	1.07E-01	2.99E-02	3.19E-03	3.31E-02	2.68E+02	9.92E-03	3.87E-02
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	43.75	25	15	3.79E-02	4.09E+00	7.18E-01	2.41E-02	1.01E+00	3.24E-02	1.04E+00	2.91E-01	3.10E-02	3.22E-01	2.60E+03	9.64E-02	3.76E-01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	7.5	25	15	6.50E-03	7.01E-01	1.23E-01	4.13E-03	1.73E-01	5.56E-03	1.79E-01	4.98E-02	5.32E-03	5.51E-02	4.46E+02	1.65E-02	6.44E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	26.25	25	15	2.28E-02	2.46E+00	4.31E-01	1.44E-02	6.06E-01	1.95E-02	6.26E-01	1.74E-01	1.86E-02	1.93E-01	1.56E+03	5.78E-02	2.25E-01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	10.5	25	15	9.10E-03	9.82E-01	1.72E-01	5.78E-03	2.43E-01	7.78E-03	2.50E-01	6.97E-02	7.44E-03	7.72E-02	6.25E+02	2.31E-02	9.02E-02
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	12.25	25	15	1.06E-02	1.15E+00	2.01E-01	6.74E-03	2.83E-01	9.08E-03	2.92E-01	8.14E-02	8.68E-03	9.00E-02	7.29E+02	2.70E-02	1.05E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	10.5	25	15	9.10E-03	9.82E-01	1.72E-01	5.78E-03	2.43E-01	7.78E-03	2.50E-01	6.97E-02	7.44E-03	7.72E-02	6.25E+02	2.31E-02	9.02E-02
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	4	25	15	3.47E-03	3.74E-01	6.57E-02	2.20E-03	9.24E-02	2.96E-03	9.54E-02	2.66E-02	2.84E-03	2.94E-02	2.38E+02	8.81E-03	3.44E-02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	9	25	15	7.80E-03	8.42E-01	1.48E-01	4.95E-03	2.08E-01	6.67E-03	2.15E-01	5.98E-02	6.38E-03	6.62E-02	5.35E+02	1.98E-02	7.73E-02
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	4.5	25	15	3.90E-03	4.21E-01	7.39E-02	2.48E-03	1.04E-01	3.33E-03	1.07E-01	2.99E-02	3.19E-03	3.31E-02	2.68E+02	9.92E-03	3.87E-02
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	25	15	8.47E-03	9.27E-01	1.63E-01	5.40E-03	2.31E-01	7.37E-03	2.38E-01	6.64E-02	7.05E-03	7.35E-02	5.84E+02	2.21E-02	8.43E-02
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	4	25	15	3.39E-03	3.71E-01	6.52E-02	2.16E-03	9.24E-02	2.95E-03	9.54E-02	2.66E-02	2.82E-03	2.94E-02	2.33E+02	8.84E-03	3.37E-02
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	25	15	2.12E-02	2.32E+00	4.07E-01	1.35E-02	5.78E-01	1.84E-02	5.96E-01	1.66E-01	1.76E-02	1.84E-01	1.46E+03	5.53E-02	2.11E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	2	25	15	1.69E-03	1.85E-01	3.26E-02	1.08E-03	4.62E-02	1.47E-03	4.77E-02	1.33E-02	1.41E-03	1.47E-02	1.17E+02	4.42E-03	1.69E-02
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	15	25	15	1.27E-02	1.39E+00	2.44E-01	8.09E-03	3.47E-01	1.11E-02	3.58E-01	9.96E-02	1.06E-02	1.10E-01	8.75E+02	3.32E-02	1.26E-01
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	6	25	15	5.08E-03	5.56E-01	9.78E-02	3.24E-03	1.39E-01	4.42E-03	1.43E-01	3.99E-02	4.23E-03	4.41E-02	3.50E+02	1.33E-02	5.06E-02
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	7	25	15	5.93E-03	6.49E-01	1.14E-01	3.78E-03	1.62E-01	5.16E-03	1.67E-01	4.65E-02	4.94E-03	5.14E-02	4.09E+02	1.55E-02	5.90E-02
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	6	25	15	5.08E-03	5.56E-01	9.78E-02	3.24E-03	1.39E-01	4.42E-03	1.43E-01	3.99E-02	4.23E-03	4.41E-02	3.50E+02	1.33E-02	5.06E-02
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	4	25	15	3.39E-03	3.71E-01	6.52E-02	2.16E-03	9.24E-02	2.95E-03	9.54E-02	2.66E-02	2.82E-03	2.94E-02	2.33E+02	8.84E-03	3.37E-02
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	6	25	15	5.08E-03	5.56E-01	9.78E-02	3.24E-03	1.39E-01	4.42E-03	1.43E-01	3.99E-02	4.23E-03	4.41E-02	3.50E+02	1.33E-02	5.06E-02

					Worker Starting Evaporative Emission Factors												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission Factor (g/trip)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	25	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	10	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	10	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	0	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	10	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	25	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	35	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	13.75	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	26.25	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	16.25	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	15	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	10	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7.5	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	11.25	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	17.5	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	16.25	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	10	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	6.25	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	6.25	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	3.75	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	2.5	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	2.5	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	2.5	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	6.25	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	3.75	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	87.5	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	26.25	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	70	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	43.75	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	43.75	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	26.25	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	17.5	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	17.5	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	10	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	32.5	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	18.75	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	50	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	15	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	40	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	25	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	10	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	10	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	10	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	25	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	25	4.23E-02	9.85E-03	1.12E-01	2.94E-05	0.00E+00	9.74E-05	9.74E-05	0.00E+00	8.95E-05	8.95E-05	2.97E+00	2.55E-03	1.31E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	25	1.27E-02	2.95E-03	3.35E-02	8.83E-06	0.00E+00	2.92E-05	2.92E-05	0.00E+00	2.69E-05	2.69E-05	8.92E-01	7.65E-04	3.93E-04
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	25	3.38E-02	7.88E-03	8.94E-02	2.35E-05	0.00E+00	7.79E-05	7.79E-05	0.00E+00	7.16E-05	7.16E-05	2.38E+00	2.04E-03	1.05E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	25	25	2.12E-02	4.92E-03	5.59E-02	1.47E-05	0.00E+00	4.87E-05	4.87E-05	0.00E+00	4.48E-05	4.48E-05	1.49E+00	1.27E-03	6.55E-04
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	25	2.12E-02	4.92E-03	5.59E-02	1.47E-05	0.00E+00	4.87E-05	4.87E-05	0.00E+00	4.48E-05	4.48E-05	1.49E+00	1.27E-03	6.55E-04
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	25	1.27E-02	2.95E-03	3.35E-02	8.83E-06	0.00E+00	2.92E-05	2.92E-05	0.00E+00	2.69E-05	2.69E-05	8.92E-01	7.65E-04	3.93E-04
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	10	25	8.46E-03	1.97E-03	2.23E-02	5.88E-06	0.00E+00	1.95E-05	1.95E-05	0.00E+00	1.79E-05	1.79E-05	5.95E-01	5.10E-04	2.62E-04
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	10	25	8.46E-03	1.97E-03	2.23E-02	5.88E-06	0.00E+00	1.95E-05	1.95E-05	0.00E+00	1.79E-05	1.79E-05	5.95E-01	5.10E-04	2.62E-04
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	10	25	8.46E-03	1.97E-03	2.23E-02	5.88E-06	0.00E+00	1.95E-05	1.95E-05	0.00E+00	1.79E-05	1.79E-05	5.95E-01	5.10E-04	2.62E-04
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	25	25	2.12E-02	4.92E-03	5.59E-02	1.47E-05	0.00E+00	4.87E-05	4.87E-05	0.00E+00	4.48E-05	4.48E-05	1.49E+00	1.27E-03	6.55E-04
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	35	25	2.79E-02	6.46E-03	7.52E-02	1.99E-05	0.00E+00	6.52E-05	6.52E-05	0.00E+00	5.99E-05	5.99E-05	2.02E+00	1.65E-03	8.78E-04
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	13.75	25	1.09E-02	2.54E-03	2.95E-02	7.84E-06	0.00E+00	2.56E-05	2.56E-05	0.00E+00	2.35E-05	2.35E-05	7.92E-01	6.48E-04	3.45E-04
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	26.25	25	2.09E-02	4.84E-03	5.64E-02	1.50E-05	0.00E+00	4.89E-05	4.89E-05	0.00E+00	4.50E-05	4.50E-05	1.51E+00	1.24E-03	6.58E-04
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	16.25	25	1.29E-02	3.00E-03	3.49E-02	9.26E-06	0.00E+00	3.03E-05	3.03E-05	0.00E+00	2.78E-05	2.78E-05	9.36E-01	7.66E-04	4.07E-04
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	15	25	1.19E-02	2.77E-03	3.22E-02	8.55E-06	0.00E+00	2.79E-05	2.79E-05	0.00E+00	2.57E-05	2.57E-05	8.64E-01	7.07E-04	3.76E-04
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	10	25	7.96E-03	1.84E-03	2.15E-02	5.70E-06	0.00E+00	1.86E-05	1.86E-05	0.00E+00	1.71E-05	1.71E-05	5.76E-01	4.72E-04	2.51E-04
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7.5	25	5.97E-03	1.38E-03	1.61E-02	4.27E-06	0.00E+00	1.40E-05	1.40E-05	0.00E+00	1.28E-05	1.28E-05	4.32E-01	3.54E-04	1.88E-04
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	11.25	25	8.95E-03	2.07E-03	2.42E-02	6.41E-06	0.00E+00	2.10E-05	2.10E-05	0.00E+00	1.93E-05	1.93E-05	6.48E-01	5.31E-04	2.82E-04
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	17.5	25	1.39E-02	3.23E-03	3.76E-02	9.97E-06	0.00E+00	3.26E-05	3.26E-05	0.00E+00	3.00E-05	3.00E-05	1.01E+00	8.25E-04	4.39E-04
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	16.25	25	1.29E-02	3.00E-03	3.49E-02	9.26E-06	0.00E+00	3.03E-05	3.03E-05	0.00E+00	2.78E-05	2.78E-05	9.36E-01	7.66E-04	4.07E-04
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	10	25	7.51E-03	1.74E-03	2.07E-02	5.53E-06	0.00E+00	1.77E-05	1.77E-05	0.00E+00	1.63E-05	1.63E-05	5.59E-01	4.38E-04	2.41E-04
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	6.25	25	4.69E-03	1.09E-03	1.30E-02	3.46E-06	0.00E+00	1.11E-05	1.11E-05	0.00E+00	1.02E-05	1.02E-05	3.49E-01	2.74E-04	1.51E-04
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	6.25	25	4.69E-03	1.09E-03	1.30E-02	3.46E-06	0.00E+00	1.11E-05	1.11E-05	0.00E+00	1.02E-05	1.02E-05	3.49E-01	2.74E-04	1.51E-04
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	3.75	25	2.81E-03	6.52E-04	7.77E-03	2.07E-06	0.00E+00	6.63E-06	6.63E-06	0.00E+00	6.10E-06	6.10E-06	2.10E-01	1.64E-04	9.05E-05
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	2.5	25	1.88E-03	4.35E-04	5.18E-03	1.38E-06	0.00E+00	4.42E-06	4.42E-06	0.00E+00	4.06E-06	4.06E-06	1.40E-01	1.10E-04	6.03E-05
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	2.5	25	1.88E-03	4.35E-04	5.18E-03	1.38E-06	0.00E+00	4.42E-06	4.42E-06	0.00E+00	4.06E-06	4.06E-06	1.40E-01	1.10E-04	6.03E-05
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	2.5	25	1.88E-03	4.35E-04	5.18E-03	1.38E-06	0.00E+00	4.42E-06	4.42E-06	0.00E+00	4.06E-06	4.06E-06	1.40E-01	1.10E-04	6.03E-05
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	6.25	25	4.69E-03	1.09E-03	1.30E-02	3.46E-06	0.00E+00	1.11E-05	1.11E-05	0.00E+00	1.02E-05	1.02E-05	3.49E-01	2.74E-04	1.51E-04
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	25	9.38E-03	2.17E-03	2.59E-02	6.92E-06	0.00E+00	2.21E-05	2.21E-05	0.00E+00	2.03E-05	2.03E-05	6.99E-01	5.48E-04	3.02E-04
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	3.75	25	2.81E-03	6.52E-04	7.77E-03	2.07E-06	0.00E+00	6.63E-06	6.63E-06	0.00E+00	6.10E-06	6.10E-06	2.10E-01	1.64E-04	9.05E-05
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	87.5	25	6.20E-02	1.44E-02	1.76E-01	4.71E-05	0.00E+00	1.46E-04	1.46E-04	0.00E+00	1.34E-04	1.34E-04	4.76E+00	3.58E-03	2.04E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	26.25	25	1.86E-02	4.33E-03	5.27E-02	1.41E-05	0.00E+00	4.37E-05	4.37E-05	0.00E+00	4.02E-05	4.02E-05	1.43E+00	1.07E-03	6.12E-04
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	70	25	4.96E-02	1.15E-02	1.40E-01	3.77E-05	0.00E+00	1.17E-04	1.17E-04	0.00E+00	1.07E-04	1.07E-04	3.81E+00	2.86E-03	1.63E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	43.75	25	3.10E-02	7.22E-03	8.78E-02	2.36E-05	0.00E+00	7.29E-05	7.29E-05	0.00E+00	6.70E-05	6.70E-05	2.38E+00	1.79E-03	1.02E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	43.75	25	3.10E-02	7.22E-03	8.78E-02	2.36E-05	0.00E+00	7.29E-05	7.29E-05	0.00E+00	6.70E-05	6.70E-05	2.38E+00	1.79E-03	1.02E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	26.25	25	1.86E-02	4.33E-03	5.27E-02	1.41E-05	0.00E+00	4.37E-05	4.37E-05	0.00E+00	4.02E-05	4.02E-05	1.43E+00	1.07E-03	6.12E-04
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	17.5	25	1.24E-02	2.89E-03	3.51E-02	9.42E-06	0.00E+00	2.91E-05	2.91E-05	0.00E+00	2.68E-05	2.68E-05	9.52E-01	7.16E-04	4.08E-04
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	17.5	25	1.24E-02	2.89E-03	3.51E-02	9.42E-06	0.00E+00	2.91E-05	2.91E-05	0.00E+00	2.68E-05	2.68E-05	9.52E-01	7.16E-04	4.08E-04
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	10	25	7.09E-03	1.65E-03	2.01E-02	5.38E-06	0.00E+00	1.67E-05	1.67E-05	0.00E+00	1.53E-05	1.53E-05	5.44E-01	4.09E-04	2.33E-04
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	32.5	25	2.30E-02	5.36E-03	6.52E-02	1.75E-05	0.00E+00	5.41E-05	5.41E-05	0.00E+00	4.98E-05	4.98E-05	1.77E+00	1.33E-03	7.58E-04
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	18.75	25	1.33E-02	3.09E-03	3.76E-02	1.01E-05	0.00E+00	3.12E-05	3.12E-05	0.00E+00	2.87E-05	2.87E-05	1.02E+00	7.67E-04	4.37E-04
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	50	25	3.34E-02	7.86E-03	9.73E-02	2.62E-05	0.00E+00	7.84E-05	7.84E-05	0.00E+00	7.21E-05	7.21E-05	2.65E+00	1.91E-03	1.13E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	15	25	1.00E-02	2.36E-03	2.92E-02	7.87E-06	0.00E+00	2.35E-05	2.35E-05	0.00E+00	2.16E-05	2.16E-05	7.95E-01	5.74E-04	3.40E-04
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	40	25	2.67E-02	6.29E-03	7.78E-02	2.10E-05	0.00E+00	6.27E-05	6.27E-05	0.00E+00	5.77E-05	5.77E-05	2.12E+00	1.53E-03	9.06E-04
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	25	1.67E-02	3.93E-03	4.87E-02	1.31E-05	0.00E+00	3.92E-05	3.92E-05	0.00E+00	3.60E-05	3.60E-05	1.33E+00	9.57E-04	5.66E-04
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	25	25	1.67E-02	3.93E-03	4.87E-02	1.31E-05	0.00E+00	3.92E-05	3.92E-05	0.00E+00	3.60E-05	3.60E-05	1.33E+00	9.57E-04	5.66E-04
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	25	1.00E-02	2.36E-03	2.92E-02	7.87E-06	0.00E+00	2.35E-05	2.35E-05	0.00E+00	2.16E-05	2.16E-05	7.95E-01	5.74E-04	3.40E-04
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	10	25	6.68E-03	1.57E-03	1.95E-02	5.25E-06	0.00E+00	1.57E-05	1.57E-05	0.00E+00	1.44E-05	1.44E-05	5.30E-01	3.83E-04	2.26E-04
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	10	25	6.68E-03	1.57E-03	1.95E-02	5.25E-06	0.00E+00	1.57E-05	1.57E-05	0.00E+00	1.44E-05	1.44E-05	5.30E-01	3.83E-04	2.26E-04
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	10	25	6.68E-03	1.57E-03	1.95E-02	5.25E-06	0.00E+00	1.57E-05	1.57E-05	0.00E+00	1.44E-05	1.44E-05	5.30E-01	3.83E-04	2.26E-04
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	25	25	1.67E-02	3.93E-03	4.87E-02	1.31E-05	0.00E+00	3.92E-05	3.92E-05	0.00E+00	3.60E-05	3.60E-05	1.33E+00	9.57E-04	5.66E-04

					Worker Running Emission Factors												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission Factor (g/mile)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	10	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	25	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	15	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	10	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	25	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	10	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	50	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	15	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	40	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	25	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	25	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	15	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	10	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	10	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	10	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	25	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	50	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	12.5	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	25	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	37.5	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	25	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	15	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	17.5	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	25	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	17.5	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	50	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	10	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	10	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	50	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	25	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	15	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	25	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	40	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	0	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	15	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	10	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	50	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	25	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	37.5	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	25	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	17.5	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	12.5	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	25	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	0	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	10	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03

				Daily Emissions													
				ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)													
3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	25	3.30E-02	1.29E-01	2.02E+00	7.32E-03	9.50E-01	4.50E-03	9.54E-01	2.52E-01	4.14E-03	2.56E-01	7.40E+02	8.22E-03	1.35E-02
3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	25	9.89E-03	3.87E-02	6.05E-01	2.19E-03	2.85E-01	1.35E-03	2.86E-01	7.55E-02	1.24E-03	7.68E-02	2.22E+02	2.47E-03	4.04E-03
3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	25	2.64E-02	1.03E-01	1.61E+00	5.85E-03	7.60E-01	3.60E-03	7.63E-01	2.01E-01	3.31E-03	2.05E-01	5.92E+02	6.58E-03	1.08E-02
3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	10	25	6.60E-03	2.58E-02	4.03E-01	1.46E-03	1.90E-01	8.99E-04	1.91E-01	5.03E-02	8.28E-04	5.12E-02	1.48E+02	1.64E-03	2.69E-03
3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	25	1.65E-02	6.45E-02	1.01E+00	3.66E-03	4.75E-01	2.25E-03	4.77E-01	1.26E-01	2.07E-03	1.28E-01	3.70E+02	4.11E-03	6.73E-03
3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	25	25	1.65E-02	6.45E-02	1.01E+00	3.66E-03	4.75E-01	2.25E-03	4.77E-01	1.26E-01	2.07E-03	1.28E-01	3.70E+02	4.11E-03	6.73E-03
3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	15	25	9.89E-03	3.87E-02	6.05E-01	2.19E-03	2.85E-01	1.35E-03	2.86E-01	7.55E-02	1.24E-03	7.68E-02	2.22E+02	2.47E-03	4.04E-03
3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	10	25	6.60E-03	2.58E-02	4.03E-01	1.46E-03	1.90E-01	8.99E-04	1.91E-01	5.03E-02	8.28E-04	5.12E-02	1.48E+02	1.64E-03	2.69E-03
3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	25	25	1.65E-02	6.45E-02	1.01E+00	3.66E-03	4.75E-01	2.25E-03	4.77E-01	1.26E-01	2.07E-03	1.28E-01	3.70E+02	4.11E-03	6.73E-03
3.12 Plots 5 and 10 (2025) Paving - 2025	2025	10	25	6.60E-03	2.58E-02	4.03E-01	1.46E-03	1.90E-01	8.99E-04	1.91E-01	5.03E-02	8.28E-04	5.12E-02	1.48E+02	1.64E-03	2.69E-03
3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	50	25	2.91E-02	1.16E-01	1.88E+00	7.09E-03	9.50E-01	4.26E-03	9.54E-01	2.52E-01	3.92E-03	2.56E-01	7.17E+02	7.34E-03	1.26E-02
3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	15	25	8.73E-03	3.49E-02	5.65E-01	2.13E-03	2.85E-01	1.28E-03	2.86E-01	7.55E-02	1.18E-03	7.67E-02	2.15E+02	2.20E-03	3.79E-03
3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	40	25	2.33E-02	9.30E-02	1.51E+00	5.67E-03	7.60E-01	3.41E-03	7.63E-01	2.01E-01	3.14E-03	2.05E-01	5.73E+02	5.87E-03	1.01E-02
3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	25	25	1.45E-02	5.81E-02	9.42E-01	3.55E-03	4.75E-01	2.13E-03	4.77E-01	1.26E-01	1.96E-03	1.28E-01	3.58E+02	3.67E-03	6.32E-03
3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	25	25	1.45E-02	5.81E-02	9.42E-01	3.55E-03	4.75E-01	2.13E-03	4.77E-01	1.26E-01	1.96E-03	1.28E-01	3.58E+02	3.67E-03	6.32E-03
3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	15	25	8.73E-03	3.49E-02	5.65E-01	2.13E-03	2.85E-01	1.28E-03	2.86E-01	7.55E-02	1.18E-03	7.67E-02	2.15E+02	2.20E-03	3.79E-03
3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	10	25	5.82E-03	2.32E-02	3.77E-01	1.42E-03	1.90E-01	8.52E-04	1.91E-01	5.03E-02	7.84E-04	5.11E-02	1.43E+02	1.47E-03	2.53E-03
3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	10	25	5.82E-03	2.32E-02	3.77E-01	1.42E-03	1.90E-01	8.52E-04	1.91E-01	5.03E-02	7.84E-04	5.11E-02	1.43E+02	1.47E-03	2.53E-03
3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	10	25	5.82E-03	2.32E-02	3.77E-01	1.42E-03	1.90E-01	8.52E-04	1.91E-01	5.03E-02	7.84E-04	5.11E-02	1.43E+02	1.47E-03	2.53E-03
3.23 Plots 10 and 8 (2026) Paving - 2026	2026	25	25	1.45E-02	5.81E-02	9.42E-01	3.55E-03	4.75E-01	2.13E-03	4.77E-01	1.26E-01	1.96E-03	1.28E-01	3.58E+02	3.67E-03	6.32E-03
3.24 Plot 8 (2027) Mass Excavation - 2027	2027	50	25	2.58E-02	1.05E-01	1.77E+00	6.89E-03	9.50E-01	4.00E-03	9.54E-01	2.52E-01	3.68E-03	2.55E-01	6.97E+02	6.59E-03	1.19E-02
3.25 Plot 8 (2027) Finish Grading - 2027	2027	12.5	25	6.45E-03	2.63E-02	4.44E-01	1.72E-03	2.37E-01	9.99E-04	2.38E-01	6.29E-02	9.19E-04	6.39E-02	1.74E+02	1.65E-03	2.98E-03
3.26 Plot 8 (2027) Utilities - 2027	2027	25	25	1.29E-02	5.27E-02	8.87E-01	3.45E-03	4.75E-01	2.00E-03	4.77E-01	1.26E-01	1.84E-03	1.28E-01	3.48E+02	3.30E-03	5.97E-03
3.27 Plot 8 (2027) Building-Concrete - 2027	2027	37.5	25	1.93E-02	7.90E-02	1.33E+00	5.17E-03	7.12E-01	3.00E-03	7.15E-01	1.89E-01	2.76E-03	1.92E-01	5.23E+02	4.95E-03	8.95E-03
3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	25	25	1.29E-02	5.27E-02	8.87E-01	3.45E-03	4.75E-01	2.00E-03	4.77E-01	1.26E-01	1.84E-03	1.28E-01	3.48E+02	3.30E-03	5.97E-03
3.29 Plot 8 (2027) Building-Electrical - 2027	2027	15	25	7.74E-03	3.16E-02	5.32E-01	2.07E-03	2.85E-01	1.20E-03	2.86E-01	7.55E-02	1.10E-03	7.66E-02	2.09E+02	1.98E-03	3.58E-03
3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	17.5	25	9.03E-03	3.69E-02	6.21E-01	2.41E-03	3.32E-01	1.40E-03	3.34E-01	8.81E-02	1.29E-03	8.94E-02	2.44E+02	2.31E-03	4.18E-03
3.31 Plot 8 (2027) Landscaping - 2027	2027	25	25	1.29E-02	5.27E-02	8.87E-01	3.45E-03	4.75E-01	2.00E-03	4.77E-01	1.26E-01	1.84E-03	1.28E-01	3.48E+02	3.30E-03	5.97E-03
3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	25	6.45E-03	2.63E-02	4.44E-01	1.72E-03	2.37E-01	9.99E-04	2.38E-01	6.29E-02	9.19E-04	6.39E-02	1.74E+02	1.65E-03	2.98E-03
3.34 Plot 8 (2027) Paving - 2027	2027	17.5	25	9.03E-03	3.69E-02	6.21E-01	2.41E-03	3.32E-01	1.40E-03	3.34E-01	8.81E-02	1.29E-03	8.94E-02	2.44E+02	2.31E-03	4.18E-03
3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	50	25	2.31E-02	9.62E-02	1.68E+00	6.72E-03	9.50E-01	3.72E-03	9.53E-01	2.52E-01	3.42E-03	2.55E-01	6.79E+02	5.97E-03	1.14E-02
3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	10	25	4.61E-03	1.92E-02	3.36E-01	1.34E-03	1.90E-01	7.44E-04	1.91E-01	5.03E-02	6.84E-04	5.10E-02	1.36E+02	1.19E-03	2.27E-03
3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	10	25	4.61E-03	1.92E-02	3.36E-01	1.34E-03	1.90E-01	7.44E-04	1.91E-01	5.03E-02	6.84E-04	5.10E-02	1.36E+02	1.19E-03	2.27E-03
3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	50	25	2.31E-02	9.62E-02	1.68E+00	6.72E-03	9.50E-01	3.72E-03	9.53E-01	2.52E-01	3.42E-03	2.55E-01	6.79E+02	5.97E-03	1.14E-02
3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	25	25	1.15E-02	4.81E-02	8.41E-01	3.36E-03	4.75E-01	1.86E-03	4.77E-01	1.26E-01	1.71E-03	1.28E-01	3.39E+02	2.99E-03	5.68E-03
3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	15	25	6.92E-03	2.89E-02	5.05E-01	2.01E-03	2.85E-01	1.12E-03	2.86E-01	7.55E-02	1.03E-03	7.65E-02	2.04E+02	1.79E-03	3.41E-03
3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	25	25	1.15E-02	4.81E-02	8.41E-01	3.36E-03	4.75E-01	1.86E-03	4.77E-01	1.26E-01	1.71E-03	1.28E-01	3.39E+02	2.99E-03	5.68E-03
3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	40	25	1.84E-02	7.70E-02	1.35E+00	5.37E-03	7.60E-01	2.98E-03	7.63E-01	2.01E-01	2.74E-03	2.04E-01	5.43E+02	4.78E-03	9.09E-03
3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	15	25	6.92E-03	2.89E-02	5.05E-01	2.01E-03	2.85E-01	1.12E-03	2.86E-01	7.55E-02	1.03E-03	7.65E-02	2.04E+02	1.79E-03	3.41E-03
3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	10	25	4.61E-03	1.92E-02	3.36E-01	1.34E-03	1.90E-01	7.44E-04	1.91E-01	5.03E-02	6.84E-04	5.10E-02	1.36E+02	1.19E-03	2.27E-03
3.46 Plot 11 (2029) Mass Excavation - 2029	2029	50	25	2.06E-02	8.83E-02	1.60E+00	6.56E-03	9.50E-01	3.46E-03	9.53E-01	2.52E-01	3.19E-03	2.55E-01	6.63E+02	5.42E-03	1.09E-02
3.47 Plot 11 (2029) Finish Grading - 2029	2029	25	25	1.03E-02	4.41E-02	8.01E-01	3.28E-03	4.75E-01	1.73E-03	4.77E-01	1.26E-01	1.59E-03	1.27E-01	3.32E+02	2.71E-03	5.43E-03
3.48 Plot 11 (2029) Utilities - 2029	2029	25	25	1.03E-02	4.41E-02	8.01E-01	3.28E-03	4.75E-01	1.73E-03	4.77E-01	1.26E-01	1.59E-03	1.27E-01	3.32E+02	2.71E-03	5.43E-03
3.49 Plot 11 (2029) Building-Concrete - 2029	2029	37.5	25	1.55E-02	6.62E-02	1.20E+00	4.92E-03	7.12E-01	2.60E-03	7.15E-01	1.89E-01	2.39E-03	1.91E-01	4.97E+02	4.06E-03	8.15E-03
3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	25	25	1.03E-02	4.41E-02	8.01E-01	3.28E-03	4.75E-01	1.73E-03	4.77E-01	1.26E-01	1.59E-03	1.27E-01	3.32E+02	2.71E-03	5.43E-03
3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	25	6.19E-03	2.65E-02	4.80E-01	1.97E-03	2.85E-01	1.04E-03	2.86E-01	7.55E-02	9.56E-04	7.65E-02	1.99E+02	1.63E-03	3.26E-03
3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	17.5	25	7.22E-03	3.09E-02	5.61E-01	2.30E-03	3.32E-01	1.21E-03	3.34E-01	8.81E-02	1.12E-03	8.92E-02	2.32E+02	1.90E-03	3.80E-03
3.53 Plot 11 (2029) Landscaping - 2029	2029	12.5	25	5.16E-03	2.21E-02	4.00E-01	1.64E-03	2.37E-01	8.66E-04	2.38E-01	6.29E-02	7.97E-04	6.37E-02	1.66E+02	1.35E-03	2.72E-03
3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	25	25	1.03E-02	4.41E-02	8.01E-01	3.28E-03	4.75E-01	1.73E-03	4.77E-01	1.26E-01	1.59E-03	1.27E-01	3.32E+02	2.71E-03	5.43E-03
3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.56 Plot 11 (2029) Paving - 2029	2029	10	25	4.13E-03	1.77E-02	3.20E-01	1.31E-03	1.90E-01	6.93E-04	1.91E-01	5.03E-02	6.38E-04	5.10E-02	1.33E+02	1.08E-03	2.17E-03

World Logistics Center-Construction Plots 5,10,8,6,7, and 11 (2025-2029)-Unmitigated

South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	40,600.00	1000sqft	2,419.90	40,600,000.00	0
Parking Lot	123.60	Acre	123.60	5,384,016.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Construction Assumptions

Construction Phase - Project schedule

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
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2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	57.3252	506.4920	558.6074	1.2520	84.4630	20.2971	104.7601	42.3698	18.7015	61.0713	0.0000	121,034.2015	121,034.2015	38.6270	0.0000	121,999.8771
2026	43.4934	388.0687	386.2242	0.9035	55.8956	15.3986	71.2942	25.9853	14.1824	40.1676	0.0000	87,357.3429	87,357.3429	27.9789	0.0000	88,056.8163
2027	41.5927	374.4787	365.2279	0.8327	36.2469	14.8609	51.1078	17.2137	13.6876	30.9014	0.0000	80,508.9720	80,508.9720	25.7640	0.0000	81,153.0729
2028	42.9178	387.1008	379.3050	0.8547	49.1209	15.4335	64.5545	18.6038	14.2129	32.8167	0.0000	82,664.2401	82,664.2401	26.4763	0.0000	83,326.1488
2029	40.7972	367.6575	362.6245	0.8116	54.6563	14.6338	69.2901	19.2015	13.4772	32.6787	0.0000	78,488.7647	78,488.7647	25.1259	0.0000	79,116.9126
Maximum	**57.3252**	**506.4920**	**558.6074**	**1.2520**	**84.4630**	**20.2971**	**104.7601**	**42.3698**	**18.7015**	**61.0713**	**0.0000**	**121,034.2015**	**121,034.2015**	**38.6270**	**0.0000**	**121,999.8771**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	57.3252	506.4920	558.6074	1.2520	32.9406	20.2971	53.2377	16.5242	18.7015	35.2257	0.0000	121,034.2014	121,034.2014	38.6270	0.0000	121,999.8770
2026	43.4934	388.0687	386.2242	0.9035	21.7993	15.3986	37.1979	10.1343	14.1824	24.3166	0.0000	87,357.3428	87,357.3428	27.9789	0.0000	88,056.8163
2027	41.5927	374.4787	365.2279	0.8327	14.1363	14.8609	28.9972	6.7134	13.6876	20.4010	0.0000	80,508.9719	80,508.9719	25.7640	0.0000	81,153.0728
2028	42.9178	387.1008	379.3050	0.8547	19.1572	15.4335	34.5907	7.2555	14.2129	21.4684	0.0000	82,664.2401	82,664.2401	26.4763	0.0000	83,326.1487
2029	40.7972	367.6575	362.6245	0.8116	21.3160	14.6338	35.9498	7.4886	13.4772	20.9657	0.0000	78,488.7647	78,488.7647	25.1259	0.0000	79,116.9125

Maximum	**57.3252**	**506.4920**	**558.6074**	**1.2520**	**32.9406**	**20.2971**	**53.2377**	**16.5242**	**18.7015**	**35.2257**	**0.0000**	**121,034.2014**	**121,034.2014**	**38.6270**	**0.0000**	**121,999.8770**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**61.00**	**0.00**	**47.38**	**61.00**	**0.00**	**38.08**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	909.6882	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Energy	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
Total	**912.1233**	**22.1746**	**22.7268**	**0.1331**		**1.6971**	**1.6971**		**1.6971**	**1.6971**		**26,573.9407**	**26,573.9407**	**0.5321**	**0.4870**	**26,732.3774**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	909.6882	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Energy	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
Total	**912.1233**	**22.1746**	**22.7268**	**0.1331**		**1.6971**	**1.6971**		**1.6971**	**1.6971**		**26,573.9407**	**26,573.9407**	**0.5321**	**0.4870**	**26,732.3774**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**

Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Plots 5 and 10 (2025) Mass Excavation	Grading	1/1/2025	12/31/2025	5	261	11
2	Plots 5 and 10 (2025) Finish Grading	Grading	1/1/2025	12/31/2025	5	261	12
3	Plots 5 and 10 (2025) Utilities	Trenching	1/1/2025	12/31/2025	5	261	13
4	Plots 5 and 10 (2025) Building-Concrete	Building Construction	1/1/2025	12/31/2025	5	261	14
5	Plots 5 and 10 (2025) Building-Wet Utilities	Building Construction	1/1/2025	12/31/2025	5	261	15
6	Plots 5 and 10 (2025) Building-Electrical	Building Construction	1/1/2025	12/31/2025	5	261	16
7	Plots 5 and 10 (2025) Building-Landscaping	Building Construction	1/1/2025	12/31/2025	5	261	17
8	Plots 5 and 10 (2025) Landscaping	Building Construction	1/1/2025	12/31/2025	5	261	19
9	Plots 5 and 10 (2025) Temporary Utilities	Building Construction	1/1/2025	12/31/2025	5	261	20
10	Plots 5 and 10 (2025) Curbing/Drive Approaches	Paving	1/1/2025	12/31/2025	5	261	21
11	Plots 5 and 10 (2025) Paving	Paving	1/1/2025	12/31/2025	5	261	22
12	Plots 10 and 8 (2026) Mass Excavation	Grading	1/1/2026	12/31/2026	5	261	23
13	Plots 10 and 8 (2026) Finish Grading	Grading	1/1/2026	12/31/2026	5	261	24
14	Plots 10 and 8 (2026) Utilities	Trenching	1/1/2026	12/31/2026	5	261	25
15	Plots 10 and 8 (2026) Building-Concrete	Building Construction	1/1/2026	12/31/2026	5	261	26
16	Plots 10 and 8 (2026) Building-Wet Utilities	Building Construction	1/1/2026	12/31/2026	5	261	27
17	Plots 10 and 8 (2026) Building-Electrical	Building Construction	1/1/2026	12/31/2026	5	261	28
18	Plots 10 and 8 (2026) Building-Landscaping	Building Construction	1/1/2026	12/31/2026	5	261	29
19	Plots 10 and 8 (2026) Landscaping	Building Construction	1/1/2026	12/31/2026	5	261	30
20	Plots 10 and 8 (2026) Temporary Utilities	Building Construction	1/1/2026	12/31/2026	5	261	31
21	Plots 10 and 8 (2026) Curbing/Drive Approaches	Paving	1/1/2026	12/31/2026	5	261	32
22	Plots 10 and 8 (2026) Paving	Paving	1/1/2026	12/31/2026	5	261	33
23	Plot 8 (2027) Mass Excavation	Grading	1/1/2027	12/31/2027	5	261	34
24	Plot 8 (2027) Finish Grading	Grading	1/1/2027	12/31/2027	5	261	35
25	Plot 8 (2027) Utilities	Trenching	1/1/2027	12/31/2027	5	261	36

26	Plot 8 (2027) Building-Concrete	Building Construction	1/1/2027	12/31/2027	5	261	37
27	Plot 8 (2027) Building-Wet Utilities	Building Construction	1/1/2027	12/31/2027	5	261	38
28	Plot 8 (2027) Building-Electrical	Building Construction	1/1/2027	12/31/2027	5	261	39
29	Plot 8 (2027) Building-Landscaping	Building Construction	1/1/2027	12/31/2027	5	261	40
30	Plot 8 (2027) Landscaping	Building Construction	1/1/2027	12/31/2027	5	261	41
31	Plot 8 (2027) Temporary Utilities	Building Construction	1/1/2027	12/31/2027	5	261	42
32	Plot 8 (2027) Curbing/Drive Approaches	Paving	1/1/2027	12/31/2027	5	261	43
33	Plot 8 (2027) Paving	Paving	1/1/2027	12/31/2027	5	261	44
34	Plots 11 and 6,7 (2028) Mass Excavation	Grading	1/1/2028	12/31/2028	5	260	45
35	Plots 11 and 6,7 (2028) Finish Grading	Grading	1/1/2028	12/31/2028	5	260	46
36	Plots 11 and 6,7 (2028) Utilities	Trenching	1/1/2028	12/31/2028	5	260	47
37	Plots 11 and 6,7 (2028) Building-Concrete	Building Construction	1/1/2028	12/31/2028	5	260	48
38	Plots 11 and 6,7 (2028) Building-Wet Utilities	Building Construction	1/1/2028	12/31/2028	5	260	49
39	Plots 11 and 6,7 (2028) Building-Electrical	Building Construction	1/1/2028	12/31/2028	5	260	50
40	Plots 11 and 6,7 (2028) Building-Landscaping	Building Construction	1/1/2028	12/31/2028	5	260	51
41	Plots 11 and 6,7 (2028) Landscaping	Building Construction	1/1/2028	12/31/2028	5	260	52
42	Plots 11 and 6,7 (2028) Temporary Utilities	Building Construction	1/1/2028	12/31/2028	5	260	53
43	Plots 11 and 6,7 (2028) Curbing/Drive Approaches	Paving	1/1/2028	12/31/2028	5	260	54
44	Plots 11 and 6,7 (2028) Paving	Paving	1/1/2028	12/31/2028	5	260	55
45	Plot 11 (2029) Mass Excavation	Grading	1/1/2029	12/31/2029	5	261	56
46	Plot 11 (2029) Finish Grading	Grading	1/1/2029	12/31/2029	5	261	57
47	Plot 11 (2029) Utilities	Trenching	1/1/2029	12/31/2029	5	261	58
48	Plot 11 (2029) Building-Concrete	Building Construction	1/1/2029	12/31/2029	5	261	59
49	Plot 11 (2029) Building-Wet Utilities	Building Construction	1/1/2029	12/31/2029	5	261	60
50	Plot 11 (2029) Building-Electrical	Building Construction	1/1/2029	12/31/2029	5	261	61
51	Plot 11 (2029) Building-Landscaping	Building Construction	1/1/2029	12/31/2029	5	261	62
52	Plot 11 (2029) Landscaping	Building Construction	1/1/2029	12/31/2029	5	261	63
53	Plot 11 (2029) Temporary Utilities	Building Construction	1/1/2029	12/31/2029	5	261	64
54	Plot 11 (2029) Curbing/Drive Approaches	Paving	1/1/2029	12/31/2029	5	261	65
55	Plot 11 (2029) Paving	Paving	1/1/2029	12/31/2029	5	261	66

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 123.6

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Plots 5 and 10 (2025) Mass Excavation	Graders	1	10.00	193	0.41
Plots 5 and 10 (2025) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plots 5 and 10 (2025) Mass Excavation	Other Material Handling Equipment	4	1.00	167	0.40
Plots 5 and 10 (2025) Mass Excavation	Other Material Handling Equipment	4	1.00	167	0.40
Plots 5 and 10 (2025) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 5 and 10 (2025) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 5 and 10 (2025) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 5 and 10 (2025) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 5 and 10 (2025) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plots 5 and 10 (2025) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plots 5 and 10 (2025) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plots 5 and 10 (2025) Mass Excavation	Rubber Tired Dozers	3	10.00	85	0.40
Plots 5 and 10 (2025) Mass Excavation	Scrapers	2	10.00	550	0.48
Plots 5 and 10 (2025) Mass Excavation	Scrapers	7	10.00	550	0.48
Plots 5 and 10 (2025) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 5 and 10 (2025) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 5 and 10 (2025) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 5 and 10 (2025) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plots 5 and 10 (2025) Finish Grading	Rubber Tired Dozers	3	10.00	85	0.40
Plots 5 and 10 (2025) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 5 and 10 (2025) Utilities	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 5 and 10 (2025) Utilities	Excavators	2	10.00	523	0.38
Plots 5 and 10 (2025) Utilities	Excavators	10	10.00	286	0.38
Plots 5 and 10 (2025) Utilities	Excavators	2	10.00	190	0.38
Plots 5 and 10 (2025) Utilities	Excavators	4	10.00	396	0.38

Plots 5 and 10 (2025) Utilities	Excavators	2	10.00	190	0.38
Plots 5 and 10 (2025) Utilities	Excavators	2	10.00	188	0.38
Plots 5 and 10 (2025) Utilities	Excavators	8	10.00	40	0.38
Plots 5 and 10 (2025) Utilities	Forklifts	4	10.00	89	0.20
Plots 5 and 10 (2025) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 5 and 10 (2025) Utilities	Other Material Handling Equipment	18	1.00	167	0.40
Plots 5 and 10 (2025) Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 5 and 10 (2025) Utilities	Tractors/Loaders/Backhoes	8	10.00	90	0.37
Plots 5 and 10 (2025) Building-Concrete	Cement and Mortar Mixers	20	1.00	9	0.56
Plots 5 and 10 (2025) Building-Concrete	Other Material Handling Equipment	2	1.00	167	0.40
Plots 5 and 10 (2025) Building-Concrete	Pumps	2	10.00	84	0.74
Plots 5 and 10 (2025) Building-Concrete	Tractors/Loaders/Backhoes	6	10.00	90	0.37
Plots 5 and 10 (2025) Building-Wet Utilities	Excavators	2	10.00	300	0.38
Plots 5 and 10 (2025) Building-Wet Utilities	Excavators	2	10.00	179	0.38
Plots 5 and 10 (2025) Building-Wet Utilities	Excavators	2	10.00	173	0.38
Plots 5 and 10 (2025) Building-Wet Utilities	Other Material Handling Equipment	10	1.00	167	0.40
Plots 5 and 10 (2025) Building-Wet Utilities	Rubber Tired Loaders	6	10.00	152	0.36
Plots 5 and 10 (2025) Building-Wet Utilities	Tractors/Loaders/Backhoes	6	10.00	108	0.37
Plots 5 and 10 (2025) Building-Wet Utilities	Tractors/Loaders/Backhoes	4	10.00	85	0.37
Plots 5 and 10 (2025) Building-Electrical	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 5 and 10 (2025) Building-Electrical	Excavators	6	10.00	40	0.38
Plots 5 and 10 (2025) Building-Electrical	Forklifts	4	10.00	89	0.20
Plots 5 and 10 (2025) Building-Electrical	Other Material Handling Equipment	6	1.00	167	0.40
Plots 5 and 10 (2025) Building-Electrical	Tractors/Loaders/Backhoes	6	10.00	90	0.37
Plots 5 and 10 (2025) Building-Landscaping	Excavators	2	10.00	29	0.38
Plots 5 and 10 (2025) Building-Landscaping	Forklifts	2	10.00	125	0.20
Plots 5 and 10 (2025) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plots 5 and 10 (2025) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plots 5 and 10 (2025) Building-Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 5 and 10 (2025) Building-Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 5 and 10 (2025) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 5 and 10 (2025) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37

Plots 5 and 10 (2025) Building-Landscaping	Trenchers	2	10.00	39	0.50
Plots 5 and 10 (2025) Landscaping	Excavators	2	10.00	29	0.38
Plots 5 and 10 (2025) Landscaping	Forklifts	2	10.00	125	0.20
Plots 5 and 10 (2025) Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 5 and 10 (2025) Landscaping	Other Material Handling Equipment	10	1.00	167	0.40
Plots 5 and 10 (2025) Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 5 and 10 (2025) Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 5 and 10 (2025) Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 5 and 10 (2025) Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plots 5 and 10 (2025) Landscaping	Trenchers	2	10.00	39	0.50
Plots 5 and 10 (2025) Temporary Utilities	Cranes	2	10.00	445	0.29
Plots 5 and 10 (2025) Curbing/Drive Approaches	Cement and Mortar Mixers	6	1.00	9	0.56
Plots 5 and 10 (2025) Curbing/Drive Approaches	Other Material Handling Equipment	6	1.00	167	0.40
Plots 5 and 10 (2025) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plots 5 and 10 (2025) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plots 5 and 10 (2025) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plots 5 and 10 (2025) Paving	Other Material Handling Equipment	6	1.00	167	0.40
Plots 5 and 10 (2025) Paving	Pavers	2	10.00	126	0.42
Plots 5 and 10 (2025) Paving	Paving Equipment	2	10.00	131	0.36
Plots 5 and 10 (2025) Paving	Plate Compactors	2	10.00	8	0.43
Plots 5 and 10 (2025) Paving	Rollers	2	10.00	81	0.38
Plots 5 and 10 (2025) Paving	Scrapers	2	10.00	362	0.48
Plots 5 and 10 (2025) Paving	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 10 and 8 (2026) Mass Excavation	Graders	1	10.00	193	0.41
Plots 10 and 8 (2026) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plots 10 and 8 (2026) Mass Excavation	Other Material Handling Equipment	4	1.00	167	0.40
Plots 10 and 8 (2026) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plots 10 and 8 (2026) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 10 and 8 (2026) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 10 and 8 (2026) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 10 and 8 (2026) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 10 and 8 (2026) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40

Plots 10 and 8 (2026) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plots 10 and 8 (2026) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plots 10 and 8 (2026) Mass Excavation	Rubber Tired Dozers	2	10.00	85	0.40
Plots 10 and 8 (2026) Mass Excavation	Scrapers	2	10.00	550	0.48
Plots 10 and 8 (2026) Mass Excavation	Scrapers	6	10.00	550	0.48
Plots 10 and 8 (2026) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 10 and 8 (2026) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 10 and 8 (2026) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 10 and 8 (2026) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plots 10 and 8 (2026) Finish Grading	Rubber Tired Dozers	2	10.00	85	0.40
Plots 10 and 8 (2026) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 10 and 8 (2026) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plots 10 and 8 (2026) Utilities	Excavators	1	10.00	523	0.38
Plots 10 and 8 (2026) Utilities	Excavators	10	10.00	286	0.38
Plots 10 and 8 (2026) Utilities	Excavators	1	10.00	190	0.38
Plots 10 and 8 (2026) Utilities	Excavators	2	10.00	396	0.38
Plots 10 and 8 (2026) Utilities	Excavators	1	10.00	190	0.38
Plots 10 and 8 (2026) Utilities	Excavators	1	10.00	188	0.38
Plots 10 and 8 (2026) Utilities	Excavators	4	10.00	40	0.38
Plots 10 and 8 (2026) Utilities	Forklifts	2	10.00	89	0.20
Plots 10 and 8 (2026) Utilities	Other Material Handling Equipment	4	1.00	167	0.40
Plots 10 and 8 (2026) Utilities	Other Material Handling Equipment	10	1.00	167	0.40
Plots 10 and 8 (2026) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 10 and 8 (2026) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 10 and 8 (2026) Building-Concrete	Cement and Mortar Mixers	20	1.00	9	0.56
Plots 10 and 8 (2026) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plots 10 and 8 (2026) Building-Concrete	Pumps	1	10.00	84	0.74
Plots 10 and 8 (2026) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 10 and 8 (2026) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plots 10 and 8 (2026) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plots 10 and 8 (2026) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plots 10 and 8 (2026) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40

Plots 10 and 8 (2026) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plots 10 and 8 (2026) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plots 10 and 8 (2026) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 10 and 8 (2026) Building-Electrical	Cement and Mortar Mixers	5	1.00	9	0.56
Plots 10 and 8 (2026) Building-Electrical	Excavators	4	10.00	40	0.38
Plots 10 and 8 (2026) Building-Electrical	Forklifts	2	10.00	89	0.20
Plots 10 and 8 (2026) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plots 10 and 8 (2026) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 10 and 8 (2026) Building-Landscaping	Excavators	1	10.00	29	0.38
Plots 10 and 8 (2026) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plots 10 and 8 (2026) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 10 and 8 (2026) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plots 10 and 8 (2026) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 10 and 8 (2026) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 10 and 8 (2026) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 10 and 8 (2026) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 10 and 8 (2026) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plots 10 and 8 (2026) Landscaping	Excavators	1	10.00	29	0.38
Plots 10 and 8 (2026) Landscaping	Forklifts	1	10.00	125	0.20
Plots 10 and 8 (2026) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plots 10 and 8 (2026) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plots 10 and 8 (2026) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 10 and 8 (2026) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 10 and 8 (2026) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 10 and 8 (2026) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 10 and 8 (2026) Landscaping	Trenchers	1	10.00	39	0.50
Plots 10 and 8 (2026) Temporary Utilities	Cranes	1	10.00	445	0.29
Plots 10 and 8 (2026) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plots 10 and 8 (2026) Curbing/Drive Approaches	Other Material Handling Equipment	4	1.00	167	0.40
Plots 10 and 8 (2026) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plots 10 and 8 (2026) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plots 10 and 8 (2026) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37

Plots 10 and 8 (2026) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plots 10 and 8 (2026) Paving	Pavers	1	10.00	126	0.42
Plots 10 and 8 (2026) Paving	Paving Equipment	1	10.00	131	0.36
Plots 10 and 8 (2026) Paving	Plate Compactors	1	10.00	8	0.43
Plots 10 and 8 (2026) Paving	Rollers	1	10.00	81	0.38
Plots 10 and 8 (2026) Paving	Scrapers	1	10.00	362	0.48
Plots 10 and 8 (2026) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37
Plot 8 (2027) Mass Excavation	Graders	1	10.00	193	0.41
Plot 8 (2027) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plot 8 (2027) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plot 8 (2027) Mass Excavation	Other Material Handling Equipment	4	1.00	167	0.40
Plot 8 (2027) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 8 (2027) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 8 (2027) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plot 8 (2027) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plot 8 (2027) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plot 8 (2027) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plot 8 (2027) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plot 8 (2027) Mass Excavation	Rubber Tired Dozers	2	10.00	85	0.40
Plot 8 (2027) Mass Excavation	Scrapers	2	10.00	550	0.48
Plot 8 (2027) Mass Excavation	Scrapers	6	10.00	550	0.48
Plot 8 (2027) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 8 (2027) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 8 (2027) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 8 (2027) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plot 8 (2027) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plot 8 (2027) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 8 (2027) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 8 (2027) Utilities	Excavators	1	10.00	523	0.38
Plot 8 (2027) Utilities	Excavators	5	10.00	286	0.38
Plot 8 (2027) Utilities	Excavators	1	10.00	190	0.38
Plot 8 (2027) Utilities	Excavators	2	10.00	396	0.38

Plot 8 (2027) Utilities	Excavators	1	10.00	190	0.38
Plot 8 (2027) Utilities	Excavators	1	10.00	188	0.38
Plot 8 (2027) Utilities	Excavators	4	10.00	40	0.38
Plot 8 (2027) Utilities	Forklifts	2	10.00	89	0.20
Plot 8 (2027) Utilities	Other Material Handling Equipment	4	1.00	167	0.40
Plot 8 (2027) Utilities	Other Material Handling Equipment	10	1.00	167	0.40
Plot 8 (2027) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 8 (2027) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 8 (2027) Building-Concrete	Cement and Mortar Mixers	20	1.00	9	0.56
Plot 8 (2027) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plot 8 (2027) Building-Concrete	Pumps	1	10.00	84	0.74
Plot 8 (2027) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 8 (2027) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plot 8 (2027) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plot 8 (2027) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plot 8 (2027) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 8 (2027) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plot 8 (2027) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plot 8 (2027) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 8 (2027) Building-Electrical	Cement and Mortar Mixers	5	1.00	9	0.56
Plot 8 (2027) Building-Electrical	Excavators	4	10.00	40	0.38
Plot 8 (2027) Building-Electrical	Forklifts	2	10.00	89	0.20
Plot 8 (2027) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plot 8 (2027) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 8 (2027) Building-Landscaping	Excavators	1	10.00	29	0.38
Plot 8 (2027) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plot 8 (2027) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 8 (2027) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plot 8 (2027) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 8 (2027) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 8 (2027) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 8 (2027) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37

Plot 8 (2027) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plot 8 (2027) Landscaping	Excavators	1	10.00	29	0.38
Plot 8 (2027) Landscaping	Forklifts	1	10.00	125	0.20
Plot 8 (2027) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plot 8 (2027) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plot 8 (2027) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 8 (2027) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 8 (2027) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 8 (2027) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 8 (2027) Landscaping	Trenchers	1	10.00	39	0.50
Plot 8 (2027) Temporary Utilities	Cranes	1	10.00	445	0.29
Plot 8 (2027) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plot 8 (2027) Curbing/Drive Approaches	Other Material Handling Equipment	2	1.00	167	0.40
Plot 8 (2027) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plot 8 (2027) Paving	Pavers	1	10.00	126	0.42
Plot 8 (2027) Paving	Paving Equipment	1	10.00	131	0.36
Plot 8 (2027) Paving	Plate Compactors	1	10.00	8	0.43
Plot 8 (2027) Paving	Rollers	1	10.00	81	0.38
Plot 8 (2027) Paving	Scrapers	1	10.00	362	0.48
Plot 8 (2027) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37
Plots 11 and 6,7 (2028) Mass Excavation	Graders	1	10.00	193	0.41
Plots 11 and 6,7 (2028) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plots 11 and 6,7 (2028) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Other Material Handling Equipment	4	1.00	167	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 11 and 6,7 (2028) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 11 and 6,7 (2028) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Rubber Tired Dozers	2	10.00	305	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Rubber Tired Dozers	1	10.00	85	0.40

Plots 11 and 6,7 (2028) Mass Excavation	Scrapers	2	10.00	550	0.48
Plots 11 and 6,7 (2028) Mass Excavation	Scrapers	6	10.00	550	0.48
Plots 11 and 6,7 (2028) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 11 and 6,7 (2028) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 6,7 (2028) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 6,7 (2028) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plots 11 and 6,7 (2028) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plots 11 and 6,7 (2028) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 11 and 6,7 (2028) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plots 11 and 6,7 (2028) Utilities	Excavators	1	10.00	523	0.38
Plots 11 and 6,7 (2028) Utilities	Excavators	5	10.00	286	0.38
Plots 11 and 6,7 (2028) Utilities	Excavators	1	10.00	190	0.38
Plots 11 and 6,7 (2028) Utilities	Excavators	2	10.00	396	0.38
Plots 11 and 6,7 (2028) Utilities	Excavators	1	10.00	190	0.38
Plots 11 and 6,7 (2028) Utilities	Excavators	1	10.00	188	0.38
Plots 11 and 6,7 (2028) Utilities	Excavators	4	10.00	40	0.38
Plots 11 and 6,7 (2028) Utilities	Forklifts	2	10.00	89	0.20
Plots 11 and 6,7 (2028) Utilities	Other Material Handling Equipment	4	1.00	167	0.40
Plots 11 and 6,7 (2028) Utilities	Other Material Handling Equipment	10	1.00	167	0.40
Plots 11 and 6,7 (2028) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 11 and 6,7 (2028) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 11 and 6,7 (2028) Building-Concrete	Cement and Mortar Mixers	10	1.00	9	0.56
Plots 11 and 6,7 (2028) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 6,7 (2028) Building-Concrete	Pumps	1	10.00	84	0.74
Plots 11 and 6,7 (2028) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 11 and 6,7 (2028) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plots 11 and 6,7 (2028) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plots 11 and 6,7 (2028) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plots 11 and 6,7 (2028) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 11 and 6,7 (2028) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plots 11 and 6,7 (2028) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plots 11 and 6,7 (2028) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37

Plots 11 and 6,7 (2028) Building-Electrical	Cement and Mortar Mixers	4	1.00	9	0.56
Plots 11 and 6,7 (2028) Building-Electrical	Excavators	4	10.00	40	0.38
Plots 11 and 6,7 (2028) Building-Electrical	Forklifts	2	10.00	89	0.20
Plots 11 and 6,7 (2028) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plots 11 and 6,7 (2028) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 11 and 6,7 (2028) Building-Landscaping	Excavators	1	10.00	29	0.38
Plots 11 and 6,7 (2028) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plots 11 and 6,7 (2028) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 11 and 6,7 (2028) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 11 and 6,7 (2028) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 11 and 6,7 (2028) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 11 and 6,7 (2028) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 11 and 6,7 (2028) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 11 and 6,7 (2028) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plots 11 and 6,7 (2028) Landscaping	Excavators	1	10.00	29	0.38
Plots 11 and 6,7 (2028) Landscaping	Forklifts	1	10.00	125	0.20
Plots 11 and 6,7 (2028) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 6,7 (2028) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plots 11 and 6,7 (2028) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 11 and 6,7 (2028) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 11 and 6,7 (2028) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 11 and 6,7 (2028) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 11 and 6,7 (2028) Landscaping	Trenchers	1	10.00	39	0.50
Plots 11 and 6,7 (2028) Temporary Utilities	Cranes	1	10.00	445	0.29
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	Other Material Handling Equipment	2	1.00	167	0.40
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plots 11 and 6,7 (2028) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plots 11 and 6,7 (2028) Paving	Pavers	1	10.00	126	0.42
Plots 11 and 6,7 (2028) Paving	Paving Equipment	1	10.00	131	0.36

Plots 11 and 6,7 (2028) Paving	Plate Compactors	1	10.00	8	0.43
Plots 11 and 6,7 (2028) Paving	Rollers	1	10.00	81	0.38
Plots 11 and 6,7 (2028) Paving	Scrapers	1	10.00	362	0.48
Plots 11 and 6,7 (2028) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37
Plot 11 (2029) Mass Excavation	Graders	1	10.00	193	0.41
Plot 11 (2029) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plot 11 (2029) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2029) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2029) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 11 (2029) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 11 (2029) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plot 11 (2029) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plot 11 (2029) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plot 11 (2029) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plot 11 (2029) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plot 11 (2029) Mass Excavation	Rubber Tired Dozers	1	10.00	85	0.40
Plot 11 (2029) Mass Excavation	Scrapers	1	10.00	550	0.48
Plot 11 (2029) Mass Excavation	Scrapers	6	10.00	550	0.48
Plot 11 (2029) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2029) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2029) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2029) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plot 11 (2029) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plot 11 (2029) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2029) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 11 (2029) Utilities	Excavators	1	10.00	523	0.38
Plot 11 (2029) Utilities	Excavators	5	10.00	286	0.38
Plot 11 (2029) Utilities	Excavators	1	10.00	190	0.38
Plot 11 (2029) Utilities	Excavators	2	10.00	396	0.38
Plot 11 (2029) Utilities	Excavators	1	10.00	190	0.38
Plot 11 (2029) Utilities	Excavators	1	10.00	188	0.38
Plot 11 (2029) Utilities	Excavators	4	10.00	40	0.38

Plot 11 (2029) Utilities	Forklifts	2	10.00	89	0.20
Plot 11 (2029) Utilities	Other Material Handling Equipment	4	1.00	167	0.40
Plot 11 (2029) Utilities	Other Material Handling Equipment	10	1.00	167	0.40
Plot 11 (2029) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2029) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2029) Building-Concrete	Cement and Mortar Mixers	10	1.00	9	0.56
Plot 11 (2029) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2029) Building-Concrete	Pumps	1	10.00	84	0.74
Plot 11 (2029) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2029) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plot 11 (2029) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plot 11 (2029) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plot 11 (2029) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 11 (2029) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plot 11 (2029) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plot 11 (2029) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 11 (2029) Building-Electrical	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 11 (2029) Building-Electrical	Excavators	4	10.00	40	0.38
Plot 11 (2029) Building-Electrical	Forklifts	2	10.00	89	0.20
Plot 11 (2029) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2029) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2029) Building-Landscaping	Excavators	1	10.00	29	0.38
Plot 11 (2029) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plot 11 (2029) Building-Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2029) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 11 (2029) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 11 (2029) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 11 (2029) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 11 (2029) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 11 (2029) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plot 11 (2029) Landscaping	Excavators	1	10.00	29	0.38
Plot 11 (2029) Landscaping	Forklifts	1	10.00	125	0.20

Plot 11 (2029) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2029) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plot 11 (2029) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 11 (2029) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 11 (2029) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 11 (2029) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 11 (2029) Landscaping	Trenchers	1	10.00	39	0.50
Plot 11 (2029) Temporary Utilities	Cranes	1	10.00	445	0.29
Plot 11 (2029) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plot 11 (2029) Curbing/Drive Approaches	Other Material Handling Equipment	2	1.00	167	0.40
Plot 11 (2029) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plot 11 (2029) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plot 11 (2029) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plot 11 (2029) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2029) Paving	Pavers	1	10.00	126	0.42
Plot 11 (2029) Paving	Paving Equipment	1	10.00	131	0.36
Plot 11 (2029) Paving	Plate Compactors	1	10.00	8	0.43
Plot 11 (2029) Paving	Rollers	1	10.00	81	0.38
Plot 11 (2029) Paving	Scrapers	1	10.00	362	0.48
Plot 11 (2029) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Plots 5 and 10 (2025) Mass Excavation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					53.8244	0.0000	53.8244	25.7616	0.0000	25.7616			0.0000			0.0000
Off-Road	23.9444	248.6211	169.3147	0.4446		9.5671	9.5671		8.8018	8.8018		43,050.3818	43,050.3818	13.9234		43,398.4660
Total	**23.9444**	**248.6211**	**169.3147**	**0.4446**	**53.8244**	**9.5671**	**63.3915**	**25.7616**	**8.8018**	**34.5634**		**43,050.3818**	**43,050.3818**	**13.9234**		**43,398.4660**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					20.9915	0.0000	20.9915	10.0470	0.0000	10.0470			0.0000			0.0000
Off-Road	23.9444	248.6211	169.3147	0.4446		9.5671	9.5671		8.8018	8.8018	0.0000	43,050.3818	43,050.3818	13.9234		43,398.4659
Total	**23.9444**	**248.6211**	**169.3147**	**0.4446**	**20.9915**	**9.5671**	**30.5586**	**10.0470**	**8.8018**	**18.8488**	**0.0000**	**43,050.3818**	**43,050.3818**	**13.9234**		**43,398.4659**

3.3 Plots 5 and 10 (2025) Finish Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					30.6387	0.0000	30.6387	16.6082	0.0000	16.6082			0.0000			0.0000
Off-Road	0.7696	7.0944	7.8352	0.0109		0.3651	0.3651		0.3359	0.3359		1,055.2686	1,055.2686	0.3413		1,063.8009

Total	**0.7696**	**7.0944**	**7.8352**	**0.0109**	**30.6387**	**0.3651**	**31.0037**	**16.6082**	**0.3359**	**16.9441**		**1,055.2686**	**1,055.2686**	**0.3413**		**1,063.8009**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					11.9491	0.0000	11.9491	6.4772	0.0000	6.4772			0.0000			0.0000
Off-Road	0.7696	7.0944	7.8352	0.0109		0.3651	0.3651		0.3359	0.3359	0.0000	1,055.2686	1,055.2686	0.3413		1,063.8009
Total	**0.7696**	**7.0944**	**7.8352**	**0.0109**	**11.9491**	**0.3651**	**12.3142**	**6.4772**	**0.3359**	**6.8131**	**0.0000**	**1,055.2686**	**1,055.2686**	**0.3413**		**1,063.8009**

3.4 Plots 5 and 10 (2025) Utilities - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	10.5625	79.5632	114.3447	0.3473		3.0093	3.0093		2.7697	2.7697		33,584.7704	33,584.7704	10.8509		33,856.0429
Total	**10.5625**	**79.5632**	**114.3447**	**0.3473**		**3.0093**	**3.0093**		**2.7697**	**2.7697**		**33,584.7704**	**33,584.7704**	**10.8509**		**33,856.0429**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Off-Road	10.5625	79.5632	114.3447	0.3473		3.0093	3.0093		2.7697	2.7697	0.0000	33,584.7704	33,584.7704	10.8509		33,856.0429
Total	**10.5625**	**79.5632**	**114.3447**	**0.3473**		**3.0093**	**3.0093**		**2.7697**	**2.7697**	**0.0000**	**33,584.7704**	**33,584.7704**	**10.8509**		**33,856.0429**

3.5 Plots 5 and 10 (2025) Building-Concrete - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8374	16.6875	26.5082	0.0414		0.6857	0.6857		0.6539	0.6539		3,924.8986	3,924.8986	0.8009		3,944.9221
Total	**1.8374**	**16.6875**	**26.5082**	**0.0414**		**0.6857**	**0.6857**		**0.6539**	**0.6539**		**3,924.8986**	**3,924.8986**	**0.8009**		**3,944.9221**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8374	16.6875	26.5082	0.0414		0.6857	0.6857		0.6539	0.6539	0.0000	3,924.8986	3,924.8986	0.8009		3,944.9221
Total	**1.8374**	**16.6875**	**26.5082**	**0.0414**		**0.6857**	**0.6857**		**0.6539**	**0.6539**	**0.0000**	**3,924.8986**	**3,924.8986**	**0.8009**		**3,944.9221**

3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.0083	40.4453	74.2456	0.1353		1.7910	1.7910		1.6477	1.6477		13,097.3025	13,097.3025	4.2359		13,203.2009
Total	**5.0083**	**40.4453**	**74.2456**	**0.1353**		**1.7910**	**1.7910**		**1.6477**	**1.6477**		**13,097.3025**	**13,097.3025**	**4.2359**		**13,203.2009**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.0083	40.4453	74.2456	0.1353		1.7910	1.7910		1.6477	1.6477	0.0000	13,097.3025	13,097.3025	4.2359		13,203.2009
Total	**5.0083**	**40.4453**	**74.2456**	**0.1353**		**1.7910**	**1.7910**		**1.6477**	**1.6477**	**0.0000**	**13,097.3025**	**13,097.3025**	**4.2359**		**13,203.2009**

3.7 Plots 5 and 10 (2025) Building-Electrical - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3907	21.9275	32.7756	0.0453		0.8897	0.8897		0.8197	0.8197		4,367.0006	4,367.0006	1.4013		4,402.0327

Total	**2.3907**	**21.9275**	**32.7756**	**0.0453**		**0.8897**	**0.8897**		**0.8197**	**0.8197**		**4,367.0006**	**4,367.0006**	**1.4013**		**4,402.0327**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3907	21.9275	32.7756	0.0453		0.8897	0.8897		0.8197	0.8197	0.0000	4,367.0006	4,367.0006	1.4013		4,402.0327
Total	**2.3907**	**21.9275**	**32.7756**	**0.0453**		**0.8897**	**0.8897**		**0.8197**	**0.8197**	**0.0000**	**4,367.0006**	**4,367.0006**	**1.4013**		**4,402.0327**

3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3155	19.3475	32.9154	0.0476		0.8434	0.8434		0.7760	0.7760		4,605.7306	4,605.7306	1.4896		4,642.9703
Total	**2.3155**	**19.3475**	**32.9154**	**0.0476**		**0.8434**	**0.8434**		**0.7760**	**0.7760**		**4,605.7306**	**4,605.7306**	**1.4896**		**4,642.9703**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3155	19.3475	32.9154	0.0476		0.8434	0.8434		0.7760	0.7760	0.0000	4,605.7306	4,605.7306	1.4896		4,642.9703
Total	**2.3155**	**19.3475**	**32.9154**	**0.0476**		**0.8434**	**0.8434**		**0.7760**	**0.7760**	**0.0000**	**4,605.7306**	**4,605.7306**	**1.4896**		**4,642.9703**

3.9 Plots 5 and 10 (2025) Landscaping - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4269	20.1698	34.7816	0.0505		0.8861	0.8861		0.8152	0.8152		4,883.9033	4,883.9033	1.5796		4,923.3921
Total	**2.4269**	**20.1698**	**34.7816**	**0.0505**		**0.8861**	**0.8861**		**0.8152**	**0.8152**		**4,883.9033**	**4,883.9033**	**1.5796**		**4,923.3921**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4269	20.1698	34.7816	0.0505		0.8861	0.8861		0.8152	0.8152	0.0000	4,883.9033	4,883.9033	1.5796		4,923.3921
Total	**2.4269**	**20.1698**	**34.7816**	**0.0505**		**0.8861**	**0.8861**		**0.8152**	**0.8152**	**0.0000**	**4,883.9033**	**4,883.9033**	**1.5796**		**4,923.3921**

3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2427	12.2579	10.4336	0.0277		0.5002	0.5002		0.4602	0.4602		2,685.5544	2,685.5544	0.8686		2,707.2685
Total	**1.2427**	**12.2579**	**10.4336**	**0.0277**		**0.5002**	**0.5002**		**0.4602**	**0.4602**		**2,685.5544**	**2,685.5544**	**0.8686**		**2,707.2685**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2427	12.2579	10.4336	0.0277		0.5002	0.5002		0.4602	0.4602	0.0000	2,685.5544	2,685.5544	0.8686		2,707.2685
Total	**1.2427**	**12.2579**	**10.4336**	**0.0277**		**0.5002**	**0.5002**		**0.4602**	**0.4602**	**0.0000**	**2,685.5544**	**2,685.5544**	**0.8686**		**2,707.2685**

3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.6767	5.9861	10.5061	0.0160		0.2832	0.2832		0.2614	0.2614		1,530.3771	1,530.3771	0.4866		1,542.5429
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9175**	**5.9861**	**10.5061**	**0.0160**		**0.2832**	**0.2832**		**0.2614**	**0.2614**		**1,530.3771**	**1,530.3771**	**0.4866**		**1,542.5429**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6767	5.9861	10.5061	0.0160		0.2832	0.2832		0.2614	0.2614	0.0000	1,530.3771	1,530.3771	0.4866		1,542.5429
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9175**	**5.9861**	**10.5061**	**0.0160**		**0.2832**	**0.2832**		**0.2614**	**0.2614**	**0.0000**	**1,530.3771**	**1,530.3771**	**0.4866**		**1,542.5429**

3.12 Plots 5 and 10 (2025) Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.6691	34.3917	44.9466	0.0855		1.4762	1.4762		1.3601	1.3601		8,249.0136	8,249.0136	2.6490		8,315.2378
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.9098**	**34.3917**	**44.9466**	**0.0855**		**1.4762**	**1.4762**		**1.3601**	**1.3601**		**8,249.0136**	**8,249.0136**	**2.6490**		**8,315.2378**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.6691	34.3917	44.9466	0.0855		1.4762	1.4762		1.3601	1.3601	0.0000	8,249.0136	8,249.0136	2.6490		8,315.2378
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.9098**	**34.3917**	**44.9466**	**0.0855**		**1.4762**	**1.4762**		**1.3601**	**1.3601**	**0.0000**	**8,249.0136**	**8,249.0136**	**2.6490**		**8,315.2378**

3.13 Plots 10 and 8 (2026) Mass Excavation - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					32.8171	0.0000	32.8171	13.5184	0.0000	13.5184			0.0000			0.0000
Off-Road	22.8478	238.4462	161.0593	0.4155		9.1832	9.1832		8.4485	8.4485		40,233.0332	40,233.0332	13.0122		40,558.3376
Total	**22.8478**	**238.4462**	**161.0593**	**0.4155**	**32.8171**	**9.1832**	**42.0002**	**13.5184**	**8.4485**	**21.9669**		**40,233.0332**	**40,233.0332**	**13.0122**		**40,558.3376**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.7987	0.0000	12.7987	5.2722	0.0000	5.2722			0.0000			0.0000
Off-Road	22.8478	238.4462	161.0593	0.4155		9.1832	9.1832		8.4485	8.4485	0.0000	40,233.0332	40,233.0332	13.0122		40,558.3376

Total	**22.8478**	**238.4462**	**161.0593**	**0.4155**	**12.7987**	**9.1832**	**21.9818**	**5.2722**	**8.4485**	**13.7207**	**0.0000**	**40,233.0332**	**40,233.0332**	**13.0122**		**40,558.3376**

3.14 Plots 10 and 8 (2026) Finish Grading - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					23.0785	0.0000	23.0785	12.4669	0.0000	12.4669			0.0000			0.0000
Off-Road	0.7696	7.0944	7.8352	0.0109		0.3651	0.3651		0.3359	0.3359		1,055.2686	1,055.2686	0.3413		1,063.8009
Total	**0.7696**	**7.0944**	**7.8352**	**0.0109**	**23.0785**	**0.3651**	**23.4436**	**12.4669**	**0.3359**	**12.8028**		**1,055.2686**	**1,055.2686**	**0.3413**		**1,063.8009**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.0006	0.0000	9.0006	4.8621	0.0000	4.8621			0.0000			0.0000
Off-Road	0.7696	7.0944	7.8352	0.0109		0.3651	0.3651		0.3359	0.3359	0.0000	1,055.2686	1,055.2686	0.3413		1,063.8009
Total	**0.7696**	**7.0944**	**7.8352**	**0.0109**	**9.0006**	**0.3651**	**9.3657**	**4.8621**	**0.3359**	**5.1980**	**0.0000**	**1,055.2686**	**1,055.2686**	**0.3413**		**1,063.8009**

3.15 Plots 10 and 8 (2026) Utilities - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Off-Road	6.6886	48.6895	70.2265	0.2326		1.8232	1.8232		1.6779	1.6779		22,495.9821	22,495.9821	7.2701		22,677.7348
Total	**6.6886**	**48.6895**	**70.2265**	**0.2326**		**1.8232**	**1.8232**		**1.6779**	**1.6779**		**22,495.9821**	**22,495.9821**	**7.2701**		**22,677.7348**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.6886	48.6895	70.2265	0.2326		1.8232	1.8232		1.6779	1.6779	0.0000	22,495.9821	22,495.9821	7.2701		22,677.7348
Total	**6.6886**	**48.6895**	**70.2265**	**0.2326**		**1.8232**	**1.8232**		**1.6779**	**1.6779**	**0.0000**	**22,495.9821**	**22,495.9821**	**7.2701**		**22,677.7348**

3.16 Plots 10 and 8 (2026) Building-Concrete - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1454	10.3524	16.2255	0.0252		0.4235	0.4235		0.4026	0.4026		2,375.9172	2,375.9172	0.5203		2,388.9254
Total	**1.1454**	**10.3524**	**16.2255**	**0.0252**		**0.4235**	**0.4235**		**0.4026**	**0.4026**		**2,375.9172**	**2,375.9172**	**0.5203**		**2,388.9254**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1454	10.3524	16.2255	0.0252		0.4235	0.4235		0.4026	0.4026	0.0000	2,375.9172	2,375.9172	0.5203		2,388.9254
Total	**1.1454**	**10.3524**	**16.2255**	**0.0252**		**0.4235**	**0.4235**		**0.4026**	**0.4026**	**0.0000**	**2,375.9172**	**2,375.9172**	**0.5203**		**2,388.9254**

3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5877	20.8393	38.5224	0.0698		0.9275	0.9275		0.8533	0.8533		6,757.2808	6,757.2808	2.1854		6,811.9168
Total	**2.5877**	**20.8393**	**38.5224**	**0.0698**		**0.9275**	**0.9275**		**0.8533**	**0.8533**		**6,757.2808**	**6,757.2808**	**2.1854**		**6,811.9168**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5877	20.8393	38.5224	0.0698		0.9275	0.9275		0.8533	0.8533	0.0000	6,757.2808	6,757.2808	2.1854		6,811.9168

Total	**2.5877**	**20.8393**	**38.5224**	**0.0698**		**0.9275**	**0.9275**		**0.8533**	**0.8533**	**0.0000**	**6,757.2808**	**6,757.2808**	**2.1854**		**6,811.9168**

3.18 Plots 10 and 8 (2026) Building-Electrical - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4911	13.7153	20.4263	0.0282		0.5454	0.5454		0.5025	0.5025		2,716.3267	2,716.3267	0.8716		2,738.1162
Total	**1.4911**	**13.7153**	**20.4263**	**0.0282**		**0.5454**	**0.5454**		**0.5025**	**0.5025**		**2,716.3267**	**2,716.3267**	**0.8716**		**2,738.1162**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4911	13.7153	20.4263	0.0282		0.5454	0.5454		0.5025	0.5025	0.0000	2,716.3267	2,716.3267	0.8716		2,738.1162
Total	**1.4911**	**13.7153**	**20.4263**	**0.0282**		**0.5454**	**0.5454**		**0.5025**	**0.5025**	**0.0000**	**2,716.3267**	**2,716.3267**	**0.8716**		**2,738.1162**

3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2135	10.0849	17.3908	0.0252		0.4430	0.4430		0.4076	0.4076		2,441.9516	2,441.9516	0.7898		2,461.6961
Total	**1.2135**	**10.0849**	**17.3908**	**0.0252**		**0.4430**	**0.4430**		**0.4076**	**0.4076**		**2,441.9516**	**2,441.9516**	**0.7898**		**2,461.6961**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2135	10.0849	17.3908	0.0252		0.4430	0.4430		0.4076	0.4076	0.0000	2,441.9516	2,441.9516	0.7898		2,461.6961
Total	**1.2135**	**10.0849**	**17.3908**	**0.0252**		**0.4430**	**0.4430**		**0.4076**	**0.4076**	**0.0000**	**2,441.9516**	**2,441.9516**	**0.7898**		**2,461.6961**

3.20 Plots 10 and 8 (2026) Landscaping - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2135	10.0849	17.3908	0.0252		0.4430	0.4430		0.4076	0.4076		2,441.9516	2,441.9516	0.7898		2,461.6961
Total	**1.2135**	**10.0849**	**17.3908**	**0.0252**		**0.4430**	**0.4430**		**0.4076**	**0.4076**		**2,441.9516**	**2,441.9516**	**0.7898**		**2,461.6961**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2135	10.0849	17.3908	0.0252		0.4430	0.4430		0.4076	0.4076	0.0000	2,441.9516	2,441.9516	0.7898		2,461.6961
Total	**1.2135**	**10.0849**	**17.3908**	**0.0252**		**0.4430**	**0.4430**		**0.4076**	**0.4076**	**0.0000**	**2,441.9516**	**2,441.9516**	**0.7898**		**2,461.6961**

3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6214	6.1290	5.2168	0.0139		0.2501	0.2501		0.2301	0.2301		1,342.7772	1,342.7772	0.4343		1,353.6342
Total	**0.6214**	**6.1290**	**5.2168**	**0.0139**		**0.2501**	**0.2501**		**0.2301**	**0.2301**		**1,342.7772**	**1,342.7772**	**0.4343**		**1,353.6342**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.6214	6.1290	5.2168	0.0139		0.2501	0.2501		0.2301	0.2301	0.0000	1,342.7772	1,342.7772	0.4343		1,353.6342
Total	**0.6214**	**6.1290**	**5.2168**	**0.0139**		**0.2501**	**0.2501**		**0.2301**	**0.2301**	**0.0000**	**1,342.7772**	**1,342.7772**	**0.4343**		**1,353.6342**

3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5990	5.4369	9.4574	0.0143		0.2565	0.2565		0.2364	0.2364		1,372.3471	1,372.3471	0.4397		1,383.3392
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.8397**	**5.4369**	**9.4574**	**0.0143**		**0.2565**	**0.2565**		**0.2364**	**0.2364**		**1,372.3471**	**1,372.3471**	**0.4397**		**1,383.3392**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5990	5.4369	9.4574	0.0143		0.2565	0.2565		0.2364	0.2364	0.0000	1,372.3471	1,372.3471	0.4397		1,383.3392
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.8397**	**5.4369**	**9.4574**	**0.0143**		**0.2565**	**0.2565**		**0.2364**	**0.2364**	**0.0000**	**1,372.3471**	**1,372.3471**	**0.4397**		**1,383.3392**

3.23 Plots 10 and 8 (2026) Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8345	17.1959	22.4733	0.0428		0.7381	0.7381		0.6800	0.6800		4,124.5068	4,124.5068	1.3245		4,157.6189
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.0753**	**17.1959**	**22.4733**	**0.0428**		**0.7381**	**0.7381**		**0.6800**	**0.6800**		**4,124.5068**	**4,124.5068**	**1.3245**		**4,157.6189**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8345	17.1959	22.4733	0.0428		0.7381	0.7381		0.6800	0.6800	0.0000	4,124.5068	4,124.5068	1.3245		4,157.6189
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.0753**	**17.1959**	**22.4733**	**0.0428**		**0.7381**	**0.7381**		**0.6800**	**0.6800**	**0.0000**	**4,124.5068**	**4,124.5068**	**1.3245**		**4,157.6189**

3.24 Plot 8 (2027) Mass Excavation - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					28.4877	0.0000	28.4877	13.0509	0.0000	13.0509			0.0000			0.0000
Off-Road	22.8478	238.4462	161.0593	0.4155		9.1832	9.1832		8.4485	8.4485		40,233.0332	40,233.0332	13.0122		40,558.3376

Total	**22.8478**	**238.4462**	**161.0593**	**0.4155**	**28.4877**	**9.1832**	**37.6709**	**13.0509**	**8.4485**	**21.4995**		**40,233.0332**	**40,233.0332**	**13.0122**		**40,558.3376**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					11.1102	0.0000	11.1102	5.0899	0.0000	5.0899			0.0000			0.0000
Off-Road	22.8478	238.4462	161.0593	0.4155		9.1832	9.1832		8.4485	8.4485	0.0000	40,233.0332	40,233.0332	13.0122		40,558.3376
Total	**22.8478**	**238.4462**	**161.0593**	**0.4155**	**11.1102**	**9.1832**	**20.2934**	**5.0899**	**8.4485**	**13.5384**	**0.0000**	**40,233.0332**	**40,233.0332**	**13.0122**		**40,558.3376**

3.25 Plot 8 (2027) Finish Grading - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.7592	0.0000	7.7592	4.1628	0.0000	4.1628			0.0000			0.0000
Off-Road	0.7696	7.0944	7.8352	0.0109		0.3651	0.3651		0.3359	0.3359		1,055.2686	1,055.2686	0.3413		1,063.8009
Total	**0.7696**	**7.0944**	**7.8352**	**0.0109**	**7.7592**	**0.3651**	**8.1243**	**4.1628**	**0.3359**	**4.4987**		**1,055.2686**	**1,055.2686**	**0.3413**		**1,063.8009**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Fugitive Dust					3.0261	0.0000	3.0261	1.6235	0.0000	1.6235			0.0000			0.0000
Off-Road	0.7696	7.0944	7.8352	0.0109		0.3651	0.3651		0.3359	0.3359	0.0000	1,055.2686	1,055.2686	0.3413		1,063.8009
Total	**0.7696**	**7.0944**	**7.8352**	**0.0109**	**3.0261**	**0.3651**	**3.3912**	**1.6235**	**0.3359**	**1.9594**	**0.0000**	**1,055.2686**	**1,055.2686**	**0.3413**		**1,063.8009**

3.26 Plot 8 (2027) Utilities - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.3091	39.9872	57.6389	0.1743		1.5153	1.5153		1.3947	1.3947		16,861.9284	16,861.9284	5.4479		16,998.1269
Total	**5.3091**	**39.9872**	**57.6389**	**0.1743**		**1.5153**	**1.5153**		**1.3947**	**1.3947**		**16,861.9284**	**16,861.9284**	**5.4479**		**16,998.1269**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.3091	39.9872	57.6389	0.1743		1.5153	1.5153		1.3947	1.3947	0.0000	16,861.9283	16,861.9283	5.4479		16,998.1269
Total	**5.3091**	**39.9872**	**57.6389**	**0.1743**		**1.5153**	**1.5153**		**1.3947**	**1.3947**	**0.0000**	**16,861.9283**	**16,861.9283**	**5.4479**		**16,998.1269**

3.27 Plot 8 (2027) Building-Concrete - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1454	10.3524	16.2255	0.0252		0.4235	0.4235		0.4026	0.4026		2,375.9172	2,375.9172	0.5203		2,388.9254
Total	**1.1454**	**10.3524**	**16.2255**	**0.0252**		**0.4235**	**0.4235**		**0.4026**	**0.4026**		**2,375.9172**	**2,375.9172**	**0.5203**		**2,388.9254**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1454	10.3524	16.2255	0.0252		0.4235	0.4235		0.4026	0.4026	0.0000	2,375.9172	2,375.9172	0.5203		2,388.9254
Total	**1.1454**	**10.3524**	**16.2255**	**0.0252**		**0.4235**	**0.4235**		**0.4026**	**0.4026**	**0.0000**	**2,375.9172**	**2,375.9172**	**0.5203**		**2,388.9254**

3.28 Plot 8 (2027) Building-Wet Utilities - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5877	20.8393	38.5224	0.0698		0.9275	0.9275		0.8533	0.8533		6,757.2808	6,757.2808	2.1854		6,811.9168

Total	**2.5877**	**20.8393**	**38.5224**	**0.0698**		**0.9275**	**0.9275**		**0.8533**	**0.8533**		**6,757.2808**	**6,757.2808**	**2.1854**		**6,811.9168**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5877	20.8393	38.5224	0.0698		0.9275	0.9275		0.8533	0.8533	0.0000	6,757.2808	6,757.2808	2.1854		6,811.9168
Total	**2.5877**	**20.8393**	**38.5224**	**0.0698**		**0.9275**	**0.9275**		**0.8533**	**0.8533**	**0.0000**	**6,757.2808**	**6,757.2808**	**2.1854**		**6,811.9168**

3.29 Plot 8 (2027) Building-Electrical - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4911	13.7153	20.4263	0.0282		0.5454	0.5454		0.5025	0.5025		2,716.3267	2,716.3267	0.8716		2,738.1162
Total	**1.4911**	**13.7153**	**20.4263**	**0.0282**		**0.5454**	**0.5454**		**0.5025**	**0.5025**		**2,716.3267**	**2,716.3267**	**0.8716**		**2,738.1162**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4911	13.7153	20.4263	0.0282		0.5454	0.5454		0.5025	0.5025	0.0000	2,716.3267	2,716.3267	0.8716		2,738.1162
Total	**1.4911**	**13.7153**	**20.4263**	**0.0282**		**0.5454**	**0.5454**		**0.5025**	**0.5025**	**0.0000**	**2,716.3267**	**2,716.3267**	**0.8716**		**2,738.1162**

3.30 Plot 8 (2027) Building-Landscaping - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2135	10.0849	17.3908	0.0252		0.4430	0.4430		0.4076	0.4076		2,441.9516	2,441.9516	0.7898		2,461.6961
Total	**1.2135**	**10.0849**	**17.3908**	**0.0252**		**0.4430**	**0.4430**		**0.4076**	**0.4076**		**2,441.9516**	**2,441.9516**	**0.7898**		**2,461.6961**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2135	10.0849	17.3908	0.0252		0.4430	0.4430		0.4076	0.4076	0.0000	2,441.9516	2,441.9516	0.7898		2,461.6961
Total	**1.2135**	**10.0849**	**17.3908**	**0.0252**		**0.4430**	**0.4430**		**0.4076**	**0.4076**	**0.0000**	**2,441.9516**	**2,441.9516**	**0.7898**		**2,461.6961**

3.31 Plot 8 (2027) Landscaping - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2135	10.0849	17.3908	0.0252		0.4430	0.4430		0.4076	0.4076		2,441.9516	2,441.9516	0.7898		2,461.6961
Total	**1.2135**	**10.0849**	**17.3908**	**0.0252**		**0.4430**	**0.4430**		**0.4076**	**0.4076**		**2,441.9516**	**2,441.9516**	**0.7898**		**2,461.6961**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2135	10.0849	17.3908	0.0252		0.4430	0.4430		0.4076	0.4076	0.0000	2,441.9516	2,441.9516	0.7898		2,461.6961
Total	**1.2135**	**10.0849**	**17.3908**	**0.0252**		**0.4430**	**0.4430**		**0.4076**	**0.4076**	**0.0000**	**2,441.9516**	**2,441.9516**	**0.7898**		**2,461.6961**

3.32 Plot 8 (2027) Temporary Utilities - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.6214	6.1290	5.2168	0.0139		0.2501	0.2501		0.2301	0.2301		1,342.7772	1,342.7772	0.4343		1,353.6342
Total	**0.6214**	**6.1290**	**5.2168**	**0.0139**		**0.2501**	**0.2501**		**0.2301**	**0.2301**		**1,342.7772**	**1,342.7772**	**0.4343**		**1,353.6342**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6214	6.1290	5.2168	0.0139		0.2501	0.2501		0.2301	0.2301	0.0000	1,342.7772	1,342.7772	0.4343		1,353.6342
Total	**0.6214**	**6.1290**	**5.2168**	**0.0139**		**0.2501**	**0.2501**		**0.2301**	**0.2301**	**0.0000**	**1,342.7772**	**1,342.7772**	**0.4343**		**1,353.6342**

3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0778	0.5492	1.0487	1.7000e-003		0.0267	0.0267		0.0250	0.0250		158.0300	158.0300	0.0470		159.2037
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3185**	**0.5492**	**1.0487**	**1.7000e-003**		**0.0267**	**0.0267**		**0.0250**	**0.0250**		**158.0300**	**158.0300**	**0.0470**		**159.2037**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0778	0.5492	1.0487	1.7000e-003		0.0267	0.0267		0.0250	0.0250	0.0000	158.0300	158.0300	0.0470		159.2037
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3185**	**0.5492**	**1.0487**	**1.7000e-003**		**0.0267**	**0.0267**		**0.0250**	**0.0250**	**0.0000**	**158.0300**	**158.0300**	**0.0470**		**159.2037**

3.34 Plot 8 (2027) Paving - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8345	17.1959	22.4733	0.0428		0.7381	0.7381		0.6800	0.6800		4,124.5068	4,124.5068	1.3245		4,157.6189
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.0753**	**17.1959**	**22.4733**	**0.0428**		**0.7381**	**0.7381**		**0.6800**	**0.6800**		**4,124.5068**	**4,124.5068**	**1.3245**		**4,157.6189**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8345	17.1959	22.4733	0.0428		0.7381	0.7381		0.6800	0.6800	0.0000	4,124.5068	4,124.5068	1.3245		4,157.6189
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	**3.0753**	**17.1959**	**22.4733**	**0.0428**		**0.7381**	**0.7381**		**0.6800**	**0.6800**	**0.0000**	**4,124.5068**	**4,124.5068**	**1.3245**		**4,157.6189**

3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					40.3656	0.0000	40.3656	14.3335	0.0000	14.3335			0.0000			0.0000
Off-Road	23.8344	247.5092	169.0178	0.4288		9.5883	9.5883		8.8212	8.8212		41,521.6168	41,521.6168	13.4289		41,857.3401
Total	**23.8344**	**247.5092**	**169.0178**	**0.4288**	**40.3656**	**9.5883**	**49.9539**	**14.3335**	**8.8212**	**23.1547**		**41,521.6168**	**41,521.6168**	**13.4289**		**41,857.3401**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					15.7426	0.0000	15.7426	5.5901	0.0000	5.5901			0.0000			0.0000
Off-Road	23.8344	247.5092	169.0178	0.4288		9.5883	9.5883		8.8212	8.8212	0.0000	41,521.6167	41,521.6167	13.4289		41,857.3400
Total	**23.8344**	**247.5092**	**169.0178**	**0.4288**	**15.7426**	**9.5883**	**25.3309**	**5.5901**	**8.8212**	**14.4113**	**0.0000**	**41,521.6167**	**41,521.6167**	**13.4289**		**41,857.3400**

3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Fugitive Dust					8.7553	0.0000	8.7553	4.2704	0.0000	4.2704			0.0000			0.0000
Off-Road	0.7696	7.0944	7.8352	0.0109		0.3651	0.3651		0.3359	0.3359		1,055.2686	1,055.2686	0.3413		1,063.8009
Total	**0.7696**	**7.0944**	**7.8352**	**0.0109**	**8.7553**	**0.3651**	**9.1204**	**4.2704**	**0.3359**	**4.6062**		**1,055.2686**	**1,055.2686**	**0.3413**		**1,063.8009**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4146	0.0000	3.4146	1.6654	0.0000	1.6654			0.0000			0.0000
Off-Road	0.7696	7.0944	7.8352	0.0109		0.3651	0.3651		0.3359	0.3359	0.0000	1,055.2686	1,055.2686	0.3413		1,063.8009
Total	**0.7696**	**7.0944**	**7.8352**	**0.0109**	**3.4146**	**0.3651**	**3.7797**	**1.6654**	**0.3359**	**2.0013**	**0.0000**	**1,055.2686**	**1,055.2686**	**0.3413**		**1,063.8009**

3.37 Plots 11 and 6,7 (2028) Utilities - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.3091	39.9872	57.6389	0.1743		1.5153	1.5153		1.3947	1.3947		16,861.9284	16,861.9284	5.4479		16,998.1269
Total	**5.3091**	**39.9872**	**57.6389**	**0.1743**		**1.5153**	**1.5153**		**1.3947**	**1.3947**		**16,861.9284**	**16,861.9284**	**5.4479**		**16,998.1269**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.3091	39.9872	57.6389	0.1743		1.5153	1.5153		1.3947	1.3947	0.0000	16,861.9283	16,861.9283	5.4479		16,998.1269
Total	**5.3091**	**39.9872**	**57.6389**	**0.1743**		**1.5153**	**1.5153**		**1.3947**	**1.3947**	**0.0000**	**16,861.9283**	**16,861.9283**	**5.4479**		**16,998.1269**

3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0719	9.8922	15.8400	0.0243		0.4056	0.4056		0.3847	0.3847		2,312.7718	2,312.7718	0.5138		2,325.6161
Total	**1.0719**	**9.8922**	**15.8400**	**0.0243**		**0.4056**	**0.4056**		**0.3847**	**0.3847**		**2,312.7718**	**2,312.7718**	**0.5138**		**2,325.6161**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0719	9.8922	15.8400	0.0243		0.4056	0.4056		0.3847	0.3847	0.0000	2,312.7718	2,312.7718	0.5138		2,325.6161

Total	**1.0719**	**9.8922**	**15.8400**	**0.0243**		**0.4056**	**0.4056**		**0.3847**	**0.3847**	**0.0000**	**2,312.7718**	**2,312.7718**	**0.5138**		**2,325.6161**

3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5877	20.8393	38.5224	0.0698		0.9275	0.9275		0.8533	0.8533		6,757.2808	6,757.2808	2.1854		6,811.9168
Total	**2.5877**	**20.8393**	**38.5224**	**0.0698**		**0.9275**	**0.9275**		**0.8533**	**0.8533**		**6,757.2808**	**6,757.2808**	**2.1854**		**6,811.9168**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5877	20.8393	38.5224	0.0698		0.9275	0.9275		0.8533	0.8533	0.0000	6,757.2808	6,757.2808	2.1854		6,811.9168
Total	**2.5877**	**20.8393**	**38.5224**	**0.0698**		**0.9275**	**0.9275**		**0.8533**	**0.8533**	**0.0000**	**6,757.2808**	**6,757.2808**	**2.1854**		**6,811.9168**

3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4837	13.6693	20.3877	0.0281		0.5436	0.5436		0.5007	0.5007		2,710.0122	2,710.0122	0.8709		2,731.7853
Total	**1.4837**	**13.6693**	**20.3877**	**0.0281**		**0.5436**	**0.5436**		**0.5007**	**0.5007**		**2,710.0122**	**2,710.0122**	**0.8709**		**2,731.7853**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4837	13.6693	20.3877	0.0281		0.5436	0.5436		0.5007	0.5007	0.0000	2,710.0122	2,710.0122	0.8709		2,731.7853
Total	**1.4837**	**13.6693**	**20.3877**	**0.0281**		**0.5436**	**0.5436**		**0.5007**	**0.5007**	**0.0000**	**2,710.0122**	**2,710.0122**	**0.8709**		**2,731.7853**

3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1577	9.6738	16.4577	0.0238		0.4217	0.4217		0.3880	0.3880		2,302.8653	2,302.8653	0.7448		2,321.4851
Total	**1.1577**	**9.6738**	**16.4577**	**0.0238**		**0.4217**	**0.4217**		**0.3880**	**0.3880**		**2,302.8653**	**2,302.8653**	**0.7448**		**2,321.4851**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1577	9.6738	16.4577	0.0238		0.4217	0.4217		0.3880	0.3880	0.0000	2,302.8653	2,302.8653	0.7448		2,321.4851
Total	**1.1577**	**9.6738**	**16.4577**	**0.0238**		**0.4217**	**0.4217**		**0.3880**	**0.3880**	**0.0000**	**2,302.8653**	**2,302.8653**	**0.7448**		**2,321.4851**

3.42 Plots 11 and 6,7 (2028) Landscaping - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2135	10.0849	17.3908	0.0252		0.4430	0.4430		0.4076	0.4076		2,441.9516	2,441.9516	0.7898		2,461.6961
Total	**1.2135**	**10.0849**	**17.3908**	**0.0252**		**0.4430**	**0.4430**		**0.4076**	**0.4076**		**2,441.9516**	**2,441.9516**	**0.7898**		**2,461.6961**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.2135	10.0849	17.3908	0.0252		0.4430	0.4430		0.4076	0.4076	0.0000	2,441.9516	2,441.9516	0.7898		2,461.6961
Total	**1.2135**	**10.0849**	**17.3908**	**0.0252**		**0.4430**	**0.4430**		**0.4076**	**0.4076**	**0.0000**	**2,441.9516**	**2,441.9516**	**0.7898**		**2,461.6961**

3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6214	6.1290	5.2168	0.0139		0.2501	0.2501		0.2301	0.2301		1,342.7772	1,342.7772	0.4343		1,353.6342
Total	**0.6214**	**6.1290**	**5.2168**	**0.0139**		**0.2501**	**0.2501**		**0.2301**	**0.2301**		**1,342.7772**	**1,342.7772**	**0.4343**		**1,353.6342**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6214	6.1290	5.2168	0.0139		0.2501	0.2501		0.2301	0.2301	0.0000	1,342.7772	1,342.7772	0.4343		1,353.6342
Total	**0.6214**	**6.1290**	**5.2168**	**0.0139**		**0.2501**	**0.2501**		**0.2301**	**0.2301**	**0.0000**	**1,342.7772**	**1,342.7772**	**0.4343**		**1,353.6342**

3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5433	5.0258	8.5243	0.0128		0.2352	0.2352		0.2168	0.2168		1,233.2608	1,233.2608	0.3947		1,243.1283
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7888**	**5.0258**	**8.5243**	**0.0128**		**0.2352**	**0.2352**		**0.2168**	**0.2168**		**1,233.2608**	**1,233.2608**	**0.3947**		**1,243.1283**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5433	5.0258	8.5243	0.0128		0.2352	0.2352		0.2168	0.2168	0.0000	1,233.2608	1,233.2608	0.3947		1,243.1283
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7888**	**5.0258**	**8.5243**	**0.0128**		**0.2352**	**0.2352**		**0.2168**	**0.2168**	**0.0000**	**1,233.2608**	**1,233.2608**	**0.3947**		**1,243.1283**

3.45 Plots 11 and 6,7 (2028) Paving - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8345	17.1959	22.4733	0.0428		0.7381	0.7381		0.6800	0.6800		4,124.5068	4,124.5068	1.3245		4,157.6189
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	**3.0800**	**17.1959**	**22.4733**	**0.0428**		**0.7381**	**0.7381**		**0.6800**	**0.6800**		**4,124.5068**	**4,124.5068**	**1.3245**		**4,157.6189**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8345	17.1959	22.4733	0.0428		0.7381	0.7381		0.6800	0.6800	0.0000	4,124.5068	4,124.5068	1.3245		4,157.6189
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.0800**	**17.1959**	**22.4733**	**0.0428**		**0.7381**	**0.7381**		**0.6800**	**0.6800**	**0.0000**	**4,124.5068**	**4,124.5068**	**1.3245**		**4,157.6189**

3.46 Plot 11 (2029) Mass Excavation - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					46.2023	0.0000	46.2023	14.9637	0.0000	14.9637			0.0000			0.0000
Off-Road	21.7511	228.2714	152.8039	0.3864		8.7992	8.7992		8.0953	8.0953		37,415.6845	37,415.6845	12.1010		37,718.2093
Total	**21.7511**	**228.2714**	**152.8039**	**0.3864**	**46.2023**	**8.7992**	**55.0015**	**14.9637**	**8.0953**	**23.0590**		**37,415.6845**	**37,415.6845**	**12.1010**		**37,718.2093**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Fugitive Dust					18.0189	0.0000	18.0189	5.8358	0.0000	5.8358			0.0000			0.0000
Off-Road	21.7511	228.2714	152.8039	0.3864		8.7992	8.7992		8.0953	8.0953	0.0000	37,415.6845	37,415.6845	12.1010		37,718.2093
Total	**21.7511**	**228.2714**	**152.8039**	**0.3864**	**18.0189**	**8.7992**	**26.8181**	**5.8358**	**8.0953**	**13.9311**	**0.0000**	**37,415.6845**	**37,415.6845**	**12.1010**		**37,718.2093**

3.47 Plot 11 (2029) Finish Grading - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.4540	0.0000	8.4540	4.2378	0.0000	4.2378			0.0000			0.0000
Off-Road	0.7696	7.0944	7.8352	0.0109		0.3651	0.3651		0.3359	0.3359		1,055.2686	1,055.2686	0.3413		1,063.8009
Total	**0.7696**	**7.0944**	**7.8352**	**0.0109**	**8.4540**	**0.3651**	**8.8191**	**4.2378**	**0.3359**	**4.5737**		**1,055.2686**	**1,055.2686**	**0.3413**		**1,063.8009**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2971	0.0000	3.2971	1.6528	0.0000	1.6528			0.0000			0.0000
Off-Road	0.7696	7.0944	7.8352	0.0109		0.3651	0.3651		0.3359	0.3359	0.0000	1,055.2686	1,055.2686	0.3413		1,063.8009
Total	**0.7696**	**7.0944**	**7.8352**	**0.0109**	**3.2971**	**0.3651**	**3.6622**	**1.6528**	**0.3359**	**1.9886**	**0.0000**	**1,055.2686**	**1,055.2686**	**0.3413**		**1,063.8009**

3.48 Plot 11 (2029) Utilities - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.3091	39.9872	57.6389	0.1743		1.5153	1.5153		1.3947	1.3947		16,861.9284	16,861.9284	5.4479		16,998.1269
Total	**5.3091**	**39.9872**	**57.6389**	**0.1743**		**1.5153**	**1.5153**		**1.3947**	**1.3947**		**16,861.9284**	**16,861.9284**	**5.4479**		**16,998.1269**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.3091	39.9872	57.6389	0.1743		1.5153	1.5153		1.3947	1.3947	0.0000	16,861.9283	16,861.9283	5.4479		16,998.1269
Total	**5.3091**	**39.9872**	**57.6389**	**0.1743**		**1.5153**	**1.5153**		**1.3947**	**1.3947**	**0.0000**	**16,861.9283**	**16,861.9283**	**5.4479**		**16,998.1269**

3.49 Plot 11 (2029) Building-Concrete - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0719	9.8922	15.8400	0.0243		0.4056	0.4056		0.3847	0.3847		2,312.7718	2,312.7718	0.5138		2,325.6161

Total	**1.0719**	**9.8922**	**15.8400**	**0.0243**		**0.4056**	**0.4056**		**0.3847**	**0.3847**		**2,312.7718**	**2,312.7718**	**0.5138**		**2,325.6161**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0719	9.8922	15.8400	0.0243		0.4056	0.4056		0.3847	0.3847	0.0000	2,312.7718	2,312.7718	0.5138		2,325.6161
Total	**1.0719**	**9.8922**	**15.8400**	**0.0243**		**0.4056**	**0.4056**		**0.3847**	**0.3847**	**0.0000**	**2,312.7718**	**2,312.7718**	**0.5138**		**2,325.6161**

3.50 Plot 11 (2029) Building-Wet Utilities - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5877	20.8393	38.5224	0.0698		0.9275	0.9275		0.8533	0.8533		6,757.2808	6,757.2808	2.1854		6,811.9168
Total	**2.5877**	**20.8393**	**38.5224**	**0.0698**		**0.9275**	**0.9275**		**0.8533**	**0.8533**		**6,757.2808**	**6,757.2808**	**2.1854**		**6,811.9168**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5877	20.8393	38.5224	0.0698		0.9275	0.9275		0.8533	0.8533	0.0000	6,757.2808	6,757.2808	2.1854		6,811.9168
Total	**2.5877**	**20.8393**	**38.5224**	**0.0698**		**0.9275**	**0.9275**		**0.8533**	**0.8533**	**0.0000**	**6,757.2808**	**6,757.2808**	**2.1854**		**6,811.9168**

3.51 Plot 11 (2029) Building-Electrical - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4837	13.6693	20.3877	0.0281		0.5436	0.5436		0.5007	0.5007		2,710.0122	2,710.0122	0.8709		2,731.7853
Total	**1.4837**	**13.6693**	**20.3877**	**0.0281**		**0.5436**	**0.5436**		**0.5007**	**0.5007**		**2,710.0122**	**2,710.0122**	**0.8709**		**2,731.7853**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4837	13.6693	20.3877	0.0281		0.5436	0.5436		0.5007	0.5007	0.0000	2,710.0122	2,710.0122	0.8709		2,731.7853
Total	**1.4837**	**13.6693**	**20.3877**	**0.0281**		**0.5436**	**0.5436**		**0.5007**	**0.5007**	**0.0000**	**2,710.0122**	**2,710.0122**	**0.8709**		**2,731.7853**

3.52 Plot 11 (2029) Building-Landscaping - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1299	9.4682	15.9912	0.0231		0.4111	0.4111		0.3782	0.3782		2,233.3221	2,233.3221	0.7223		2,251.3797
Total	**1.1299**	**9.4682**	**15.9912**	**0.0231**		**0.4111**	**0.4111**		**0.3782**	**0.3782**		**2,233.3221**	**2,233.3221**	**0.7223**		**2,251.3797**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1299	9.4682	15.9912	0.0231		0.4111	0.4111		0.3782	0.3782	0.0000	2,233.3221	2,233.3221	0.7223		2,251.3797
Total	**1.1299**	**9.4682**	**15.9912**	**0.0231**		**0.4111**	**0.4111**		**0.3782**	**0.3782**	**0.0000**	**2,233.3221**	**2,233.3221**	**0.7223**		**2,251.3797**

3.53 Plot 11 (2029) Landscaping - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.2135	10.0849	17.3908	0.0252		0.4430	0.4430		0.4076	0.4076		2,441.9516	2,441.9516	0.7898		2,461.6961
Total	**1.2135**	**10.0849**	**17.3908**	**0.0252**		**0.4430**	**0.4430**		**0.4076**	**0.4076**		**2,441.9516**	**2,441.9516**	**0.7898**		**2,461.6961**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2135	10.0849	17.3908	0.0252		0.4430	0.4430		0.4076	0.4076	0.0000	2,441.9516	2,441.9516	0.7898		2,461.6961
Total	**1.2135**	**10.0849**	**17.3908**	**0.0252**		**0.4430**	**0.4430**		**0.4076**	**0.4076**	**0.0000**	**2,441.9516**	**2,441.9516**	**0.7898**		**2,461.6961**

3.54 Plot 11 (2029) Temporary Utilities - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6214	6.1290	5.2168	0.0139		0.2501	0.2501		0.2301	0.2301		1,342.7772	1,342.7772	0.4343		1,353.6342
Total	**0.6214**	**6.1290**	**5.2168**	**0.0139**		**0.2501**	**0.2501**		**0.2301**	**0.2301**		**1,342.7772**	**1,342.7772**	**0.4343**		**1,353.6342**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6214	6.1290	5.2168	0.0139		0.2501	0.2501		0.2301	0.2301	0.0000	1,342.7772	1,342.7772	0.4343		1,353.6342
Total	**0.6214**	**6.1290**	**5.2168**	**0.0139**		**0.2501**	**0.2501**		**0.2301**	**0.2301**	**0.0000**	**1,342.7772**	**1,342.7772**	**0.4343**		**1,353.6342**

3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5433	5.0258	8.5243	0.0128		0.2352	0.2352		0.2168	0.2168		1,233.2608	1,233.2608	0.3947		1,243.1283
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7840**	**5.0258**	**8.5243**	**0.0128**		**0.2352**	**0.2352**		**0.2168**	**0.2168**		**1,233.2608**	**1,233.2608**	**0.3947**		**1,243.1283**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5433	5.0258	8.5243	0.0128		0.2352	0.2352		0.2168	0.2168	0.0000	1,233.2608	1,233.2608	0.3947		1,243.1283
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	**1.7840**	**5.0258**	**8.5243**	**0.0128**		**0.2352**	**0.2352**		**0.2168**	**0.2168**	**0.0000**	**1,233.2608**	**1,233.2608**	**0.3947**		**1,243.1283**

3.56 Plot 11 (2029) Paving - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8345	17.1959	22.4733	0.0428		0.7381	0.7381		0.6800	0.6800		4,124.5068	4,124.5068	1.3245		4,157.6189
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.0753**	**17.1959**	**22.4733**	**0.0428**		**0.7381**	**0.7381**		**0.6800**	**0.6800**		**4,124.5068**	**4,124.5068**	**1.3245**		**4,157.6189**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8345	17.1959	22.4733	0.0428		0.7381	0.7381		0.6800	0.6800	0.0000	4,124.5068	4,124.5068	1.3245		4,157.6189
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.0753**	**17.1959**	**22.4733**	**0.0428**		**0.7381**	**0.7381**		**0.6800**	**0.6800**	**0.0000**	**4,124.5068**	**4,124.5068**	**1.3245**		**4,157.6189**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Total					

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
NaturalGas Unmitigated	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	225803	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
Total		**2.4351**	**22.1375**	**18.5955**	**0.1328**		**1.6825**	**1.6825**		**1.6825**	**1.6825**		**26,565.0282**	**26,565.0282**	**0.5092**	**0.4870**	**26,722.8909**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	225.803	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
Total		**2.4351**	**22.1375**	**18.5955**	**0.1328**		**1.6825**	**1.6825**		**1.6825**	**1.6825**		**26,565.0282**	**26,565.0282**	**0.5092**	**0.4870**	**26,722.8909**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	909.6882	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865

Unmitigated	909.6882	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	103.5231					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	805.7870					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.3780	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Total	**909.6881**	**0.0371**	**4.1313**	**3.1000e-004**		**0.0147**	**0.0147**		**0.0147**	**0.0147**		**8.9125**	**8.9125**	**0.0230**		**9.4865**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	103.5231					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	805.7870					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.3780	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Total	**909.6881**	**0.0371**	**4.1313**	**3.1000e-004**		**0.0147**	**0.0147**		**0.0147**	**0.0147**		**8.9125**	**8.9125**	**0.0230**		**9.4865**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Plots 11, 12, 21, and 22

World Logistics Center Plots 11, 12, 21, and 22

Regional Emissions Unmitigated

Summer	Onsite Emissions										Onsite Mobile Emissions									
Source	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
	lb/day										lb/day									
3.2 Plot 11 (2030) Mass Excavation - 2030	20.82	95.58	99.45	0.37	18.05	3.62	21.68	5.84	3.62	9.46	2.03E-01	1.59E-01	2.23E-01	1.06E-02	1.42E+01	1.68E-03	1.42E+01	1.42E+00	4.69E-04	1.42E+00
3.3 Plot 11 (2030) Finish Grading - 2030	0.74	3.83	7.87	0.01	3.30	0.17	3.46	1.65	0.17	1.82	7.69E-02	3.75E-02	5.70E-02	4.17E-03	4.25E+00	6.08E-04	4.25E+00	4.24E-01	1.28E-04	4.24E-01
3.4 Plot 11 (2030) Utilities - 2030	8.11	25.29	61.06	0.19	0.00	0.69	0.69	0.00	0.69	0.69	4.57E-01	4.24E-01	3.76E-01	2.63E-02	1.85E+01	4.04E-03	1.85E+01	1.85E+00	1.03E-03	1.85E+00
3.5 Plot 11 (2030) Building-Concrete - 2030	1.17	7.60	16.37	0.03	0.00	0.16	0.16	0.00	0.16	0.16	6.77E-02	3.89E-01	3.58E-01	2.83E-03	1.16E+01	1.06E-03	1.16E+01	1.16E+00	7.86E-04	1.16E+00
3.6 Plot 11 (2030) Building-Wet Utilities - 2030	3.32	12.67	40.18	0.08	0.00	0.38	0.38	0.00	0.38	0.38	2.71E-01	1.76E-01	1.67E-01	1.56E-02	1.01E+01	2.27E-03	1.01E+01	1.01E+00	4.77E-04	1.01E+00
3.7 Plot 11 (2030) Building-Electrical - 2030	1.95	11.00	22.61	0.03	0.00	0.18	0.18	0.00	0.18	0.18	1.22E-01	2.78E-01	2.40E-01	6.65E-03	8.38E+00	1.32E-03	8.38E+00	8.37E-01	5.86E-04	8.37E-01
3.8 Plot 11 (2030) Building-Landscaping - 2030	1.48	6.83	17.82	0.03	0.00	0.19	0.19	0.00	0.19	0.19	1.23E-01	3.09E-02	3.42E-02	7.19E-03	3.54E+00	9.58E-04	3.54E+00	3.53E-01	1.24E-04	3.53E-01
3.9 Plot 11 (2030) Landscaping - 2030	1.55	7.02	18.80	0.03	0.00	0.19	0.19	0.00	0.19	0.19	1.06E-01	2.67E-02	3.29E-02	6.17E-03	3.33E+00	8.25E-04	3.33E+00	3.32E-01	1.10E-04	3.33E-01
3.10 Plot 11 (2030) Temporary Utilities - 2030	0.63	1.98	3.10	0.01	0.00	0.07	0.07	0.00	0.07	0.07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	1.33	0.33	1.10	0.00	0.00	0.01	0.01	0.00	0.01	0.01	7.44E-02	4.96E-02	5.46E-02	4.18E-03	3.41E+00	6.20E-04	3.41E+00	3.41E-01	1.39E-04	3.41E-01
3.12 Plot 11 (2030) Paving - 2030	3.64	11.43	21.50	0.05	0.00	0.43	0.43	0.00	0.43	0.43	1.17E-01	5.59E-02	9.10E-02	6.27E-03	6.88E+00	9.18E-04	6.88E+00	6.86E-01	1.97E-04	6.86E-01
3.13 Plot 11 (2031) Mass Excavation - 2031	11.89	48.93	60.65	0.23	12.18	1.85	14.03	2.61	1.85	4.46	2.01E-01	1.58E-01	2.19E-01	1.05E-02	1.42E+01	1.66E-03	1.42E+01	1.42E+00	4.52E-04	1.42E+00
3.14 Plot 11 (2031) Finish Grading - 2031	0.74	3.83	7.87	0.01	3.30	0.17	3.46	1.65	0.17	1.82	7.63E-02	3.74E-02	5.59E-02	4.16E-03	4.25E+00	6.05E-04	4.25E+00	4.24E-01	1.24E-04	4.24E-01
3.15 Plot 11 (2031) Utilities - 2031	8.05	25.10	60.07	0.19	0.00	0.68	0.68	0.00	0.68	0.68	4.55E-01	4.23E-01	3.73E-01	2.62E-02	1.85E+01	4.02E-03	1.85E+01	1.85E+00	1.00E-03	1.85E+00
3.16 Plot 11 (2031) Building-Concrete - 2031	1.17	7.60	16.37	0.03	0.00	0.16	0.16	0.00	0.16	0.16	6.66E-02	3.88E-01	3.56E-01	2.80E-03	1.16E+01	1.04E-03	1.16E+01	1.16E+00	7.64E-04	1.16E+00
3.17 Plot 11 (2031) Building-Wet Utilities - 2031	3.32	12.67	40.18	0.08	0.00	0.38	0.38	0.00	0.38	0.38	2.70E-01	1.76E-01	1.66E-01	1.56E-02	1.01E+01	2.26E-03	1.01E+01	1.01E+00	4.63E-04	1.01E+00
3.18 Plot 11 (2031) Building-Electrical - 2031	1.95	11.00	22.61	0.03	0.00	0.18	0.18	0.00	0.18	0.18	1.21E-01	2.77E-01	2.39E-01	6.62E-03	8.38E+00	1.31E-03	8.38E+00	8.37E-01	5.69E-04	8.37E-01
3.19 Plot 11 (2031) Building-Landscaping - 2031	1.45	6.73	17.33	0.03	0.00	0.18	0.18	0.00	0.18	0.18	1.22E-01	3.07E-02	3.34E-02	7.16E-03	3.54E+00	9.56E-04	3.54E+00	3.53E-01	1.20E-04	3.53E-01
3.20 Plot 11 (2031) Landscaping - 2031	1.55	7.02	18.80	0.03	0.00	0.19	0.19	0.00	0.19	0.19	1.06E-01	2.66E-02	3.21E-02	6.14E-03	3.33E+00	8.23E-04	3.33E+00	3.32E-01	1.06E-04	3.33E-01
3.21 Plot 11 (2031) Temporary Utilities - 2031	0.63	1.98	3.10	0.01	0.00	0.07	0.07	0.00	0.07	0.07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2.06	4.35	9.16	0.02	0.00	0.19	0.19	0.00	0.19	0.19	7.40E-02	4.95E-02	5.38E-02	4.16E-03	3.41E+00	6.16E-04	3.41E+00	3.41E-01	1.35E-04	3.41E-01
3.23 Plot 11 (2031) Paving - 2031	3.64	11.43	21.50	0.05	0.00	0.43	0.43	0.00	0.43	0.43	1.16E-01	5.56E-02	8.92E-02	6.24E-03	6.88E+00	9.12E-04	6.88E+00	6.86E-01	1.90E-04	6.86E-01
3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	9.91	42.00	45.11	0.19	7.56	1.57	9.13	2.11	1.57	3.68	1.91E-01	1.44E-01	2.06E-01	9.98E-03	1.39E+01	1.57E-03	1.39E+01	1.39E+00	4.15E-04	1.39E+00
3.25 Plots 11 and 12 (2032) Finish Grading - 2032	0.74	3.83	7.87	0.01	3.22	0.17	3.39	1.64	0.17	1.81	5.93E-02	3.56E-02	5.56E-02	3.13E-03	4.08E+00	4.74E-04	4.08E+00	4.07E-01	1.12E-04	4.07E-01
3.26 Plots 11 and 12 (2032) Utilities - 2032	7.98	24.92	59.09	0.19	0.00	0.67	0.67	0.00	0.67	0.67	4.53E-01	4.21E-01	3.71E-01	2.61E-02	1.85E+01	4.00E-03	1.85E+01	1.85E+00	9.91E-04	1.85E+00
3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	1.17	7.60	16.37	0.03	0.00	0.16	0.16	0.00	0.16	0.16	6.57E-02	3.86E-01	3.55E-01	2.79E-03	1.16E+01	1.03E-03	1.16E+01	1.16E+00	7.55E-04	1.16E+00
3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	3.32	12.67	40.18	0.08	0.00	0.38	0.38	0.00	0.38	0.38	2.69E-01	1.75E-01	1.64E-01	1.55E-02	1.01E+01	2.26E-03	1.01E+01	1.01E+00	4.57E-04	1.01E+00
3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	1.95	11.00	22.61	0.03	0.00	0.18	0.18	0.00	0.18	0.18	1.20E-01	2.77E-01	2.39E-01	6.60E-03	8.38E+00	1.30E-03	8.38E+00	8.37E-01	5.63E-04	8.37E-01
3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	1.45	6.73	17.33	0.03	0.00	0.18	0.18	0.00	0.18	0.18	1.22E-01	3.06E-02	3.26E-02	7.15E-03	3.54E+00	9.55E-04	3.54E+00	3.53E-01	1.18E-04	3.53E-01
3.31 Plots 11 and 12 (2032) Landscaping - 2032	1.55	7.02	18.80	0.03	0.00	0.19	0.19	0.00	0.19	0.19	1.05E-01	2.65E-02	3.13E-02	6.13E-03	3.33E+00	8.22E-04	3.33E+00	3.32E-01	1.04E-04	3.33E-01
3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	0.63	1.98	3.10	0.01	0.00	0.07	0.07	0.00	0.07	0.07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	1.33	0.33	1.10	0.00	0.00	0.01	0.01	0.00	0.01	0.01	7.36E-02	4.93E-02	5.31E-02	4.15E-03	3.41E+00	6.14E-04	3.41E+00	3.41E-01	1.33E-04	3.41E-01
3.34 Plots 11 and 12 (2032) Paving - 2032	3.64	11.43	21.50	0.05	0.00	0.43	0.43	0.00	0.43	0.43	1.15E-01	5.53E-02	8.76E-02	6.22E-03	6.88E+00	9.08E-04	6.88E+00	6.86E-01	1.85E-04	6.86E-01
3.35 Plot 12 (2033) Finish Grading - 2033	0.56	2.70	5.30	0.01	3.14	0.15	3.29	1.64	0.15	1.78	4.24E-02	3.39E-02	5.55E-02	2.12E-03	3.91E+00	3.44E-04	3.91E+00	3.91E-01	1.00E-04	3.91E-01
3.36 Plot 12 (2033) Utilities - 2033	7.98	24.92	59.09	0.19	0.00	0.67	0.67	0.00	0.67	0.67	4.52E-01	4.20E-01	3.68E-01	2.61E-02	1.85E+01	3.99E-03	1.85E+01	1.85E+00	9.80E-04	1.85E+00
3.37 Plot 12 (2033) Building-Concrete - 2033	1.17	7.60	16.37	0.03	0.00	0.16	0.16	0.00	0.16	0.16	6.49E-02	3.85E-01	3.54E-01	2.77E-03	1.16E+01	1.02E-03	1.16E+01	1.16E+00	7.46E-04	1.16E+00
3.38 Plot 12 (2033) Building-Wet Utilities - 2033	3.32	12.67	40.18	0.08	0.00	0.38	0.38	0.00	0.38	0.38	2.68E-01	1.75E-01	1.62E-01	1.55E-02	1.01E+01	2.25E-03	1.01E+01	1.01E+00	4.51E-04	1.01E+00
3.39 Plot 12 (2033) Building-Electrical - 2033	1.95	11.00	22.61	0.03	0.00	0.18	0.18	0.00	0.18	0.18	1.20E-01	2.76E-01	2.38E-01	6.58E-03	8.38E+00	1.30E-03	8.38E+00	8.37E-01	5.57E-04	8.37E-01
3.40 Plot 12 (2033) Building-Landscaping - 2033	1.45	6.73	17.33	0.03	0.00	0.18	0.18	0.00	0.18	0.18	1.22E-01	3.05E-02	3.20E-02	7.14E-03	3.54E+00	9.53E-04	3.54E+00	3.53E-01	1.16E-04	3.53E-01
3.41 Plot 12 (2033) Landscaping - 2033	1.55	7.02	18.80	0.03	0.00	0.19	0.19	0.00	0.19	0.19	1.05E-01	2.63E-02	3.07E-02	6.12E-03	3.33E+00	8.20E-04	3.33E+00	3.32E-01	1.03E-04	3.33E-01
3.42 Plot 12 (2033) Temporary Utilities - 2033	0.63	1.98	3.10	0.01	0.00	0.07	0.07	0.00	0.07	0.07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2.06	4.35	9.16	0.02	0.00	0.19	0.19	0.00	0.19	0.19	7.33E-02	4.91E-02	5.26E-02	4.15E-03	3.41E+00	6.12E-04	3.41E+00	3.41E-01	1.31E-04	3.41E-01
3.44 Plot 12 (2033) Paving - 2033	3.64	11.43	21.50	0.05	0.00	0.43	0.43	0.00	0.43	0.43	1.14E-01	5.50E-02	8.61E-02	6.21E-03	6.88E+00	9.04E-04	6.88E+00	6.86E-01	1.81E-04	6.86E-01
3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	0.74	3.83	7.87	0.01	3.22	0.17	3.39	1.64	0.17	1.81	5.23E-02	4.03E-02	6.69E-02	2.64E-03	4.86E+00	4.23E-04	4.86E+00	4.85E-01	1.19E-04	4.85E-01
3.46 Plots 12 and 21,22 (2034) Utilities - 2034	7.95	24.82	58.60	0.19	0.00	0.66	0.66	0.00	0.66	0.66	5.64E-01	5.24E-01	4.58E-01	3.25E-02	2.32E+01	4.98E-03	2.32E+01	2.31E+00	1.21E-03	2.32E+00
3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	1.13	7.37	16.18	0.03	0.00	0.15	0.15	0.00	0.15	0.15	8.02E-02	4.80E-01	4.41E-01	3.44E-03	1.45E+01	1.26E-03	1.45E+01	1.45E+00	9.22E-04	1.45E+00
3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	3.32	12.67	40.18	0.08	0.00	0.38	0.38	0.00	0.38	0.38	3.34E-01	2.18E-01	2.01E-01	1.94E-02	1.26E+01	2.81E-03	1.26E+01	1.26E+00	5.57E-04	1.26E+00
3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	1.95	11.00	22.61	0.03	0.00	0.18	0.18	0.00	0.18	0.18	1.49E-01	3.44E-01	2.96E-01	8.21E-03	1.05E+01	1.61E-03	1.05E+01	1.05E+00	6.89E-04	1.05E+00
3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	1.45	6.73	17.33	0.03	0.00	0.18	0.18	0.00	0.18	0.18	1.52E-01	3.79E-02	3.92E-02	8.91E-03	4.42E+00	1.19E-03	4.43E+00	4.42E-01	1.43E-04	4.42E-01
3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	1.55	7.02	18.80	0.03	0.00	0.19	0.19	0.00	0.19	0.19	1.31E-01	3.28E-02	3.77E-02	7.64E-03	4.16E+00	1.02E-03	4.16E+00	4.16E-01	1.26E-04	4.16E-01
3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	0.63	1.98	3.10	0.01	0.00	0.07	0.07	0.00	0.07	0.07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	1.27	0.14	0.12	0.00	0.00	0.01	0.01	0.00	0.01	0.01	9.13E-02	6.11E-02	6.50E-02	5.18E-03	4.27E+00	7.63E-04	4.27E+00	4.26E-01	1.61E-04	4.26E-01
3.54 Plots 12 and 21,22 (2034) Paving - 2034	3.64	11.43	21.50	0.05	0.00	0.43	0.43	0.00	0.43	0.43	1.42E-01	6.84E-02	1.06E-01	7.76E-03	8.60E+00	1.12E-03	8.60E+00	8.58E-01	2.22E-04	8.58E-01

World Logistics Center Plots 11, 12, 21, and 22

Regional Emissions Unmitigated

Summer	Offsite Mobile Emissions									
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Source	lb/day									
3.2 Plot 11 (2030) Mass Excavation - 2030	0.07	2.11	2.01	0.02	1.36	0.02	1.38	0.37	0.02	0.39
3.3 Plot 11 (2030) Finish Grading - 2030	0.02	0.59	0.59	0.00	0.41	0.01	0.41	0.11	0.01	0.12
3.4 Plot 11 (2030) Utilities - 2030	0.09	5.55	2.35	0.03	1.86	0.05	1.91	0.51	0.05	0.56
3.5 Plot 11 (2030) Building-Concrete - 2030	0.06	3.96	1.14	0.02	0.87	0.03	0.90	0.24	0.03	0.27
3.6 Plot 11 (2030) Building-Wet Utilities - 2030	0.05	2.55	1.28	0.02	1.01	0.02	1.03	0.28	0.02	0.30
3.7 Plot 11 (2030) Building-Electrical - 2030	0.05	3.11	1.40	0.02	1.03	0.03	1.06	0.28	0.03	0.31
3.8 Plot 11 (2030) Building-Landscaping - 2030	0.02	0.69	0.60	0.01	0.45	0.01	0.45	0.12	0.01	0.13
3.9 Plot 11 (2030) Landscaping - 2030	0.01	0.57	0.12	0.00	0.14	0.00	0.14	0.04	0.00	0.04
3.10 Plot 11 (2030) Temporary Utilities - 2030	0.00	0.02	0.31	0.00	0.19	0.00	0.19	0.05	0.00	0.05
3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	0.02	0.73	0.91	0.01	0.62	0.01	0.63	0.17	0.01	0.17
3.12 Plot 11 (2030) Paving - 2030	0.03	0.85	0.51	0.01	0.37	0.01	0.38	0.10	0.01	0.11
3.13 Plot 11 (2031) Mass Excavation - 2031	0.06	2.09	1.95	0.02	1.36	0.02	1.38	0.37	0.02	0.39
3.14 Plot 11 (2031) Finish Grading - 2031	0.02	0.58	0.57	0.00	0.41	0.01	0.41	0.11	0.01	0.12
3.15 Plot 11 (2031) Utilities - 2031	0.09	5.51	2.31	0.03	1.86	0.05	1.91	0.51	0.04	0.56
3.16 Plot 11 (2031) Building-Concrete - 2031	0.06	3.95	1.58	0.02	1.15	0.03	1.19	0.31	0.03	0.34
3.17 Plot 11 (2031) Building-Wet Utilities - 2031	0.05	2.53	1.26	0.02	1.01	0.02	1.03	0.28	0.02	0.30
3.18 Plot 11 (2031) Building-Electrical - 2031	0.04	3.07	1.08	0.02	0.84	0.03	0.87	0.23	0.02	0.26
3.19 Plot 11 (2031) Building-Landscaping - 2031	0.02	0.67	0.43	0.00	0.35	0.01	0.36	0.10	0.01	0.10
3.20 Plot 11 (2031) Landscaping - 2031	0.01	0.58	0.41	0.00	0.33	0.00	0.33	0.09	0.00	0.09
3.21 Plot 11 (2031) Temporary Utilities - 2031	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	0.02	0.70	0.44	0.00	0.33	0.01	0.34	0.09	0.01	0.10
3.23 Plot 11 (2031) Paving - 2031	0.03	0.87	0.94	0.01	0.66	0.01	0.67	0.18	0.01	0.19
3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	0.06	1.91	1.87	0.02	1.33	0.02	1.35	0.36	0.02	0.38
3.25 Plots 11 and 12 (2032) Finish Grading - 2032	0.02	0.50	0.47	0.00	0.34	0.00	0.35	0.09	0.00	0.10
3.26 Plots 11 and 12 (2032) Utilities - 2032	0.08	5.44	1.84	0.03	1.58	0.04	1.62	0.44	0.04	0.48
3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	0.06	3.93	1.92	0.02	1.39	0.03	1.42	0.37	0.03	0.41
3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	0.04	2.51	1.23	0.02	1.01	0.02	1.03	0.28	0.02	0.30
3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	0.04	3.04	1.07	0.02	0.84	0.03	0.87	0.23	0.02	0.25
3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	0.02	0.68	0.63	0.01	0.49	0.01	0.50	0.13	0.01	0.14
3.31 Plots 11 and 12 (2032) Landscaping - 2032	0.02	0.60	0.83	0.01	0.61	0.01	0.62	0.17	0.01	0.17
3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	0.02	0.70	0.50	0.00	0.38	0.01	0.39	0.10	0.01	0.11
3.34 Plots 11 and 12 (2032) Paving - 2032	0.03	0.85	0.70	0.01	0.52	0.01	0.52	0.14	0.01	0.15
3.35 Plot 12 (2033) Finish Grading - 2033	0.03	0.48	1.48	0.01	1.04	0.01	1.04	0.28	0.01	0.28
3.36 Plot 12 (2033) Utilities - 2033	0.07	5.38	1.41	0.03	1.29	0.04	1.34	0.36	0.04	0.40
3.37 Plot 12 (2033) Building-Concrete - 2033	0.05	3.85	1.13	0.02	0.87	0.03	0.90	0.24	0.03	0.27
3.38 Plot 12 (2033) Building-Wet Utilities - 2033	0.05	2.52	1.89	0.02	1.48	0.02	1.50	0.40	0.02	0.42
3.39 Plot 12 (2033) Building-Electrical - 2033	0.04	3.02	1.33	0.02	1.03	0.03	1.06	0.28	0.02	0.31
3.40 Plot 12 (2033) Building-Landscaping - 2033	0.02	0.67	0.55	0.01	0.45	0.01	0.45	0.12	0.01	0.13
3.41 Plot 12 (2033) Landscaping - 2033	0.02	0.59	0.80	0.01	0.61	0.01	0.62	0.17	0.01	0.17
3.42 Plot 12 (2033) Temporary Utilities - 2033	0.01	0.05	1.10	0.00	0.76	0.00	0.76	0.20	0.00	0.20
3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	0.01	0.67	0.15	0.00	0.14	0.01	0.15	0.04	0.01	0.05
3.44 Plot 12 (2033) Paving - 2033	0.02	0.84	0.61	0.01	0.47	0.01	0.48	0.13	0.01	0.13
3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	0.02	0.51	0.40	0.00	0.29	0.00	0.30	0.08	0.00	0.08
3.46 Plots 12 and 21,22 (2034) Utilities - 2034	0.10	6.71	2.75	0.04	2.33	0.06	2.38	0.64	0.05	0.69
3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	0.06	4.79	1.74	0.02	1.32	0.04	1.36	0.36	0.04	0.40
3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	0.05	3.08	1.32	0.02	1.14	0.03	1.16	0.31	0.02	0.34
3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	0.05	3.75	1.81	0.02	1.41	0.03	1.44	0.38	0.03	0.41
3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	0.02	0.84	0.83	0.01	0.68	0.01	0.68	0.18	0.01	0.19
3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	0.02	0.71	0.55	0.01	0.46	0.01	0.46	0.13	0.01	0.13
3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	0.00	0.02	0.47	0.00	0.33	0.00	0.33	0.09	0.00	0.09
3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	0.02	0.85	0.52	0.01	0.42	0.01	0.43	0.11	0.01	0.12
3.54 Plots 12 and 21,22 (2034) Paving - 2034	0.03	1.04	0.91	0.01	0.70	0.01	0.71	0.19	0.01	0.20

Regional Emissions	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
3.2 Plot 11 (2030) Mass Excavation - 2030	21.09	97.85	101.68	0.40	33.65	3.64	37.29	7.63	3.64	11.27
3.3 Plot 11 (2030) Finish Grading - 2030	0.84	4.45	8.52	0.02	7.95	0.17	8.13	2.19	0.17	2.36
3.4 Plot 11 (2030) Utilities - 2030	8.66	31.27	63.78	0.25	20.41	0.74	21.15	2.36	0.73	3.09
3.5 Plot 11 (2030) Building-Concrete - 2030	1.29	11.95	17.87	0.05	12.50	0.19	12.70	1.40	0.19	1.59
3.6 Plot 11 (2030) Building-Wet Utilities - 2030	3.63	15.40	41.63	0.11	11.09	0.41	11.49	1.28	0.40	1.69
3.7 Plot 11 (2030) Building-Electrical - 2030	2.12	14.39	24.25	0.06	9.42	0.20	9.62	1.12	0.20	1.32
3.8 Plot 11 (2030) Building-Landscaping - 2030	1.62	7.54	18.45	0.04	3.99	0.19	4.18	0.48	0.19	0.67
3.9 Plot 11 (2030) Landscaping - 2030	1.66	7.61	18.96	0.04	3.47	0.20	3.67	0.37	0.20	0.57
3.10 Plot 11 (2030) Temporary Utilities - 2030	0.64	2.00	3.41	0.02	0.19	0.07	0.26	0.05	0.07	0.12
3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	1.43	1.11	2.07	0.01	4.03	0.02	4.06	0.51	0.02	0.53
3.12 Plot 11 (2030) Paving - 2030	3.78	12.34	22.10	0.06	7.25	0.43	7.68	0.79	0.43	1.22
3.13 Plot 11 (2031) Mass Excavation - 2031	12.15	51.18	62.83	0.26	27.77	1.87	29.65	4.40	1.87	6.27
3.14 Plot 11 (2031) Finish Grading - 2031	0.84	4.44	8.50	0.02	7.95	0.17	8.13	2.19	0.17	2.36
3.15 Plot 11 (2031) Utilities - 2031	8.59	31.04	62.76	0.25	20.41	0.73	21.14	2.36	0.72	3.08
3.16 Plot 11 (2031) Building-Concrete - 2031	1.29	11.94	18.31	0.05	12.79	0.19	12.98	1.47	0.19	1.67
3.17 Plot 11 (2031) Building-Wet Utilities - 2031	3.63	15.38	41.60	0.11	11.09	0.41	11.49	1.28	0.40	1.68
3.18 Plot 11 (2031) Building-Electrical - 2031	2.12	14.35	23.93	0.06	9.23	0.20	9.43	1.07	0.20	1.27
3.19 Plot 11 (2031) Building-Landscaping - 2031	1.59	7.44	17.79	0.04	3.89	0.19	4.08	0.45	0.19	0.64
3.20 Plot 11 (2031) Landscaping - 2031	1.67	7.62	19.25	0.04	3.66	0.20	3.86	0.42	0.20	0.62
3.21 Plot 11 (2031) Temporary Utilities - 2031	0.63	1.98	3.10	0.01	0.00	0.07	0.07	0.00	0.07	0.07
3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2.15	5.10	9.66	0.02	3.75	0.20	3.95	0.43	0.20	0.63
3.23 Plot 11 (2031) Paving - 2031	3.79	12.35	22.53	0.06	7.53	0.43	7.97	0.86	0.43	1.30
3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	10.16	44.06	47.19	0.21	22.83	1.59	24.42	3.86	1.59	5.45
3.25 Plots 11 and 12 (2032) Finish Grading - 2032	0.82	4.36	8.40	0.02	7.64	0.17	7.81	2.14	0.17	2.31
3.26 Plots 11 and 12 (2032) Utilities - 2032	8.51	30.78	61.30	0.24	20.12	0.72	20.84	2.29	0.71	3.00
3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	1.30	11.91	18.64	0.05	13.03	0.19	13.22	1.54	0.19	1.73
3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	3.63	15.36	41.57	0.11	11.09	0.40	11.49	1.28	0.40	1.68
3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2.12	14.32	23.91	0.06	9.23	0.20	9.43	1.07	0.20	1.27
3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	1.59	7.44	17.99	0.04	4.03	0.19	4.22	0.49	0.19	0.67
3.31 Plots 11 and 12 (2032) Landscaping - 2032	1.67	7.64	19.66	0.04	3.94	0.20	4.14	0.50	0.20	0.70
3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	0.63	1.98	3.10	0.01	0.00	0.07	0.07	0.00	0.07	0.07
3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	1.42	1.07	1.66	0.01	3.80	0.02	3.82	0.44	0.02	0.46
3.34 Plots 11 and 12 (2032) Paving - 2032	3.78	12.33	22.29	0.06	7.39	0.43	7.83	0.83	0.43	1.26
3.35 Plot 12 (2033) Finish Grading - 2033	0.62	3.21	6.84	0.02	8.09	0.15	8.24	2.30	0.15	2.45
3.36 Plot 12 (2033) Utilities - 2033	8.51	30.71	60.87	0.24	19.84	0.72	20.56	2.21	0.71	2.92
3.37 Plot 12 (2033) Building-Concrete - 2033	1.28	11.84	17.85	0.05	12.50	0.19	12.70	1.40	0.19	1.59
3.38 Plot 12 (2033) Building-Wet Utilities - 2033	3.63	15.37	42.23	0.12	11.56	0.41	11.97	1.41	0.40	1.81
3.39 Plot 12 (2033) Building-Electrical - 2033	2.12	14.30	24.18	0.06	9.42	0.20	9.62	1.12	0.20	1.32
3.40 Plot 12 (2033) Building-Landscaping - 2033	1.59	7.43	17.91	0.04	3.99	0.19	4.17	0.48	0.19	0.66
3.41 Plot 12 (2033) Landscaping - 2033	1.67	7.63	19.64	0.04	3.94	0.20	4.14	0.50	0.20	0.70
3.42 Plot 12 (2033) Temporary Utilities - 2033	0.64	2.04	4.20	0.02	0.76	0.07	0.83	0.20	0.07	0.27
3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2.15	5.08	9.37	0.02	3.56	0.20	3.75	0.38	0.19	0.58
3.44 Plot 12 (2033) Paving - 2033	3.78	12.32	22.20	0.06	7.34	0.43	7.78	0.81	0.43	1.25
3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	0.81	4.37	8.33	0.02	8.37	0.17	8.55	2.21	0.17	2.38
3.46 Plots 12 and 21,22 (2034) Utilities - 2034	8.61	32.06	61.81	0.26	25.51	0.73	26.24	2.95	0.72	3.67
3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	1.28	12.64	18.36	0.05	15.87	0.19	16.06	1.81	0.19	2.00
3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	3.70	15.97	41.69	0.12	13.74	0.41	14.15	1.57	0.41	1.98
3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2.16	15.10	24.71	0.06	11.89	0.21	12.10	1.43	0.21	1.64
3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	1.62	7.61	18.20	0.04	5.10	0.19	5.29	0.63	0.19	0.81
3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	1.69	7.76	19.39	0.04	4.62	0.20	4.82	0.54	0.20	0.74
3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	0.64	2.00	3.57	0.02	0.33	0.07	0.40	0.09	0.07	0.15
3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	1.38	1.05	0.70	0.01	4.69	0.01	4.70	0.54	0.01	0.55
3.54 Plots 12 and 21,22 (2034) Paving - 2034	3.81	12.54	22.52	0.06	9.30	0.44	9.73	1.05	0.43	1.48
2030	271.19	205.90	322.71	1.07	113.94	6.27	120.21	18.17	6.25	24.42
2031	262.86	162.83	290.25	0.94	108.07	4.65	112.73	14.94	4.64	19.58
2032	260.04	151.26	265.72	0.87	103.10	4.19	107.29	14.44	4.17	18.60
2033	250.40	109.94	225.28	0.67	81.01	2.75	83.76	10.81	2.74	13.54
2034	250.11	111.10	219.28	0.70	99.42	2.61	102.04	12.82	2.59	15.41
Daily Maximum	**271.19**	**205.90**	**322.71**	**1.07**	**113.94**	**6.27**	**120.21**	**18.17**	**6.25**	**24.42**
SCAQMD Regional Significance Thresholds	75.00	100.00	550.00	150.00			150.00			55.00
Exceeds Threshold?	Yes	Yes	No	No	Yes	Yes	No	Yes	Yes	No

2030	224
2031	224
2032	224
2033	224
2034	224

World Logistics Center Plots 11, 12, 21, and 22

Localized Emissions Unmitigated

Summer	Onsite Emissions										Onsite Mobile Emissions									
Source	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
	lb/day										lb/day									
3.2 Plot 11 (2030) Mass Excavation - 2030	20.82	95.58	99.45	0.37	18.05	3.62	21.68	5.84	3.62	9.46	0.20	0.16	0.22	0.01	14.23	0.00	14.23	1.42	0.00	1.42
3.3 Plot 11 (2030) Finish Grading - 2030	0.74	3.83	7.87	0.01	3.30	0.17	3.46	1.65	0.17	1.82	0.08	0.04	0.06	0.00	4.25	0.00	4.25	0.42	0.00	0.42
3.4 Plot 11 (2030) Utilities - 2030	8.11	25.29	61.06	0.19	0.00	0.69	0.69	0.00	0.69	0.69	0.46	0.42	0.38	0.03	18.55	0.00	18.55	1.85	0.00	1.85
3.5 Plot 11 (2030) Building-Concrete - 2030	1.17	7.60	16.37	0.03	0.00	0.16	0.16	0.00	0.16	0.16	0.07	0.39	0.36	0.00	11.64	0.00	11.64	1.16	0.00	1.16
3.6 Plot 11 (2030) Building-Wet Utilities - 2030	3.32	12.67	40.18	0.08	0.00	0.38	0.38	0.00	0.38	0.38	0.27	0.18	0.17	0.02	10.08	0.00	10.08	1.01	0.00	1.01
3.7 Plot 11 (2030) Building-Electrical - 2030	1.95	11.00	22.61	0.03	0.00	0.18	0.18	0.00	0.18	0.18	0.12	0.28	0.24	0.01	8.38	0.00	8.38	0.84	0.00	0.84
3.8 Plot 11 (2030) Building-Landscaping - 2030	1.48	6.83	17.82	0.03	0.00	0.19	0.19	0.00	0.19	0.19	0.12	0.03	0.03	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.9 Plot 11 (2030) Landscaping - 2030	1.55	7.02	18.80	0.03	0.00	0.19	0.19	0.00	0.19	0.19	0.11	0.03	0.03	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.10 Plot 11 (2030) Temporary Utilities - 2030	0.63	1.98	3.10	0.01	0.00	0.07	0.07	0.00	0.07	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	1.33	0.33	1.10	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.07	0.05	0.05	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.12 Plot 11 (2030) Paving - 2030	3.64	11.43	21.50	0.05	0.00	0.43	0.43	0.00	0.43	0.43	0.12	0.06	0.09	0.01	6.88	0.00	6.88	0.69	0.00	0.69
3.13 Plot 11 (2031) Mass Excavation - 2031	11.89	48.93	60.65	0.23	12.18	1.85	14.03	2.61	1.85	4.46	0.20	0.16	0.22	0.01	14.23	0.00	14.23	1.42	0.00	1.42
3.14 Plot 11 (2031) Finish Grading - 2031	0.74	3.83	7.87	0.01	3.30	0.17	3.46	1.65	0.17	1.82	0.08	0.04	0.06	0.00	4.25	0.00	4.25	0.42	0.00	0.42
3.15 Plot 11 (2031) Utilities - 2031	8.05	25.10	60.07	0.19	0.00	0.68	0.68	0.00	0.68	0.68	0.45	0.42	0.37	0.03	18.55	0.00	18.55	1.85	0.00	1.85
3.16 Plot 11 (2031) Building-Concrete - 2031	1.17	7.60	16.37	0.03	0.00	0.16	0.16	0.00	0.16	0.16	0.07	0.39	0.36	0.00	11.64	0.00	11.64	1.16	0.00	1.16
3.17 Plot 11 (2031) Building-Wet Utilities - 2031	3.32	12.67	40.18	0.08	0.00	0.38	0.38	0.00	0.38	0.38	0.27	0.18	0.17	0.02	10.08	0.00	10.08	1.01	0.00	1.01
3.18 Plot 11 (2031) Building-Electrical - 2031	1.95	11.00	22.61	0.03	0.00	0.18	0.18	0.00	0.18	0.18	0.12	0.28	0.24	0.01	8.38	0.00	8.38	0.84	0.00	0.84
3.19 Plot 11 (2031) Building-Landscaping - 2031	1.45	6.73	17.33	0.03	0.00	0.18	0.18	0.00	0.18	0.18	0.12	0.03	0.03	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.20 Plot 11 (2031) Landscaping - 2031	1.55	7.02	18.80	0.03	0.00	0.19	0.19	0.00	0.19	0.19	0.11	0.03	0.03	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.21 Plot 11 (2031) Temporary Utilities - 2031	0.63	1.98	3.10	0.01	0.00	0.07	0.07	0.00	0.07	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2.06	4.35	9.16	0.02	0.00	0.19	0.19	0.00	0.19	0.19	0.07	0.05	0.05	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.23 Plot 11 (2031) Paving - 2031	3.64	11.43	21.50	0.05	0.00	0.43	0.43	0.00	0.43	0.43	0.12	0.06	0.09	0.01	6.88	0.00	6.88	0.69	0.00	0.69
3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	9.91	42.00	45.11	0.19	7.56	1.57	9.13	2.11	1.57	3.68	0.19	0.14	0.21	0.01	13.94	0.00	13.94	1.39	0.00	1.39
3.25 Plots 11 and 12 (2032) Finish Grading - 2032	0.74	3.83	7.87	0.01	3.22	0.17	3.39	1.64	0.17	1.81	0.06	0.04	0.06	0.00	4.08	0.00	4.08	0.41	0.00	0.41
3.26 Plots 11 and 12 (2032) Utilities - 2032	7.98	24.92	59.09	0.19	0.00	0.67	0.67	0.00	0.67	0.67	0.45	0.42	0.37	0.03	18.55	0.00	18.55	1.85	0.00	1.85
3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	1.17	7.60	16.37	0.03	0.00	0.16	0.16	0.00	0.16	0.16	0.07	0.39	0.35	0.00	11.64	0.00	11.64	1.16	0.00	1.16
3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	3.32	12.67	40.18	0.08	0.00	0.38	0.38	0.00	0.38	0.38	0.27	0.18	0.16	0.02	10.08	0.00	10.08	1.01	0.00	1.01
3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	1.95	11.00	22.61	0.03	0.00	0.18	0.18	0.00	0.18	0.18	0.12	0.28	0.24	0.01	8.38	0.00	8.38	0.84	0.00	0.84
3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	1.45	6.73	17.33	0.03	0.00	0.18	0.18	0.00	0.18	0.18	0.12	0.03	0.03	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.31 Plots 11 and 12 (2032) Landscaping - 2032	1.55	7.02	18.80	0.03	0.00	0.19	0.19	0.00	0.19	0.19	0.11	0.03	0.03	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	0.63	1.98	3.10	0.01	0.00	0.07	0.07	0.00	0.07	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	1.33	0.33	1.10	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.07	0.05	0.05	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.34 Plots 11 and 12 (2032) Paving - 2032	3.64	11.43	21.50	0.05	0.00	0.43	0.43	0.00	0.43	0.43	0.12	0.06	0.09	0.01	6.88	0.00	6.88	0.69	0.00	0.69
3.35 Plot 12 (2033) Finish Grading - 2033	0.56	2.70	5.30	0.01	3.14	0.15	3.29	1.64	0.15	1.78	0.04	0.03	0.06	0.00	3.91	0.00	3.91	0.39	0.00	0.39
3.36 Plot 12 (2033) Utilities - 2033	7.98	24.92	59.09	0.19	0.00	0.67	0.67	0.00	0.67	0.67	0.45	0.42	0.37	0.03	18.55	0.00	18.55	1.85	0.00	1.85
3.37 Plot 12 (2033) Building-Concrete - 2033	1.17	7.60	16.37	0.03	0.00	0.16	0.16	0.00	0.16	0.16	0.06	0.39	0.35	0.00	11.64	0.00	11.64	1.16	0.00	1.16
3.38 Plot 12 (2033) Building-Wet Utilities - 2033	3.32	12.67	40.18	0.08	0.00	0.38	0.38	0.00	0.38	0.38	0.27	0.17	0.16	0.02	10.08	0.00	10.08	1.01	0.00	1.01
3.39 Plot 12 (2033) Building-Electrical - 2033	1.95	11.00	22.61	0.03	0.00	0.18	0.18	0.00	0.18	0.18	0.12	0.28	0.24	0.01	8.38	0.00	8.38	0.84	0.00	0.84
3.40 Plot 12 (2033) Building-Landscaping - 2033	1.45	6.73	17.33	0.03	0.00	0.18	0.18	0.00	0.18	0.18	0.12	0.03	0.03	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.41 Plot 12 (2033) Landscaping - 2033	1.55	7.02	18.80	0.03	0.00	0.19	0.19	0.00	0.19	0.19	0.11	0.03	0.03	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.42 Plot 12 (2033) Temporary Utilities - 2033	0.63	1.98	3.10	0.01	0.00	0.07	0.07	0.00	0.07	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2.06	4.35	9.16	0.02	0.00	0.19	0.19	0.00	0.19	0.19	0.07	0.05	0.05	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.44 Plot 12 (2033) Paving - 2033	3.64	11.43	21.50	0.05	0.00	0.43	0.43	0.00	0.43	0.43	0.11	0.05	0.09	0.01	6.88	0.00	6.88	0.69	0.00	0.69
3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	0.74	3.83	7.87	0.01	3.22	0.17	3.39	1.64	0.17	1.81	0.05	0.04	0.07	0.00	4.86	0.00	4.86	0.49	0.00	0.49
3.46 Plots 12 and 21,22 (2034) Utilities - 2034	7.95	24.82	58.60	0.19	0.00	0.66	0.66	0.00	0.66	0.66	0.56	0.52	0.46	0.03	23.18	0.00	23.19	2.31	0.00	2.32
3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	1.13	7.37	16.18	0.03	0.00	0.15	0.15	0.00	0.15	0.15	0.08	0.48	0.44	0.00	14.55	0.00	14.55	1.45	0.00	1.45
3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	3.32	12.67	40.18	0.08	0.00	0.38	0.38	0.00	0.38	0.38	0.33	0.22	0.20	0.02	12.60	0.00	12.61	1.26	0.00	1.26
3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	1.95	11.00	22.61	0.03	0.00	0.18	0.18	0.00	0.18	0.18	0.15	0.34	0.30	0.01	10.48	0.00	10.48	1.05	0.00	1.05
3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	1.45	6.73	17.33	0.03	0.00	0.18	0.18	0.00	0.18	0.18	0.15	0.04	0.04	0.01	4.42	0.00	4.43	0.44	0.00	0.44
3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	1.55	7.02	18.80	0.03	0.00	0.19	0.19	0.00	0.19	0.19	0.13	0.03	0.04	0.01	4.16	0.00	4.16	0.42	0.00	0.42
3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	0.63	1.98	3.10	0.01	0.00	0.07	0.07	0.00	0.07	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	1.27	0.14	0.12	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.09	0.06	0.07	0.01	4.27	0.00	4.27	0.43	0.00	0.43
3.54 Plots 12 and 21,22 (2034) Paving - 2034	3.64	11.43	21.50	0.05	0.00	0.43	0.43	0.00	0.43	0.43	0.14	0.07	0.11	0.01	8.60	0.00	8.60	0.86	0.00	0.86

Localized Emissions	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
3.2 Plot 11 (2030) Mass Excavation - 2030	21.03	95.74	99.67	0.38	32.28	3.62	35.91	7.26	3.62	10.88
3.3 Plot 11 (2030) Finish Grading - 2030	0.82	3.86	7.93	0.02	7.55	0.17	7.71	2.08	0.17	2.24
3.4 Plot 11 (2030) Utilities - 2030	8.57	25.72	61.43	0.22	18.55	0.69	19.23	1.85	0.69	2.54
3.5 Plot 11 (2030) Building-Concrete - 2030	1.24	7.99	16.73	0.03	11.64	0.16	11.80	1.16	0.16	1.32
3.6 Plot 11 (2030) Building-Wet Utilities - 2030	3.59	12.85	40.34	0.10	10.08	0.38	10.47	1.01	0.38	1.39
3.7 Plot 11 (2030) Building-Electrical - 2030	2.08	11.28	22.85	0.04	8.38	0.18	8.56	0.84	0.18	1.01
3.8 Plot 11 (2030) Building-Landscaping - 2030	1.60	6.86	17.85	0.04	3.54	0.19	3.73	0.35	0.19	0.54
3.9 Plot 11 (2030) Landscaping - 2030	1.65	7.04	18.84	0.04	3.33	0.19	3.53	0.33	0.19	0.53
3.10 Plot 11 (2030) Temporary Utilities - 2030	0.63	1.98	3.10	0.01	0.00	0.07	0.07	0.00	0.07	0.07
3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	1.41	0.38	1.15	0.01	3.41	0.01	3.43	0.34	0.01	0.35
3.12 Plot 11 (2030) Paving - 2030	3.76	11.49	21.59	0.05	6.88	0.43	7.30	0.69	0.43	1.11
3.13 Plot 11 (2031) Mass Excavation - 2031	12.09	49.09	60.87	0.24	26.41	1.85	28.26	4.03	1.85	5.88
3.14 Plot 11 (2031) Finish Grading - 2031	0.82	3.86	7.92	0.02	7.55	0.17	7.71	2.08	0.17	2.24
3.15 Plot 11 (2031) Utilities - 2031	8.50	25.53	60.45	0.22	18.55	0.68	19.23	1.85	0.68	2.53
3.16 Plot 11 (2031) Building-Concrete - 2031	1.24	7.99	16.73	0.03	11.64	0.16	11.80	1.16	0.16	1.32
3.17 Plot 11 (2031) Building-Wet Utilities - 2031	3.59	12.85	40.34	0.10	10.08	0.38	10.47	1.01	0.38	1.39
3.18 Plot 11 (2031) Building-Electrical - 2031	2.08	11.28	22.85	0.04	8.38	0.18	8.56	0.84	0.18	1.01
3.19 Plot 11 (2031) Building-Landscaping - 2031	1.57	6.76	17.36	0.04	3.54	0.18	3.72	0.35	0.18	0.53
3.20 Plot 11 (2031) Landscaping - 2031	1.65	7.04	18.84	0.04	3.33	0.19	3.53	0.33	0.19	0.53
3.21 Plot 11 (2031) Temporary Utilities - 2031	0.63	1.98	3.10	0.01	0.00	0.07	0.07	0.00	0.07	0.07
3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2.14	4.40	9.22	0.02	3.41	0.19	3.60	0.34	0.19	0.53
3.23 Plot 11 (2031) Paving - 2031	3.75	11.49	21.59	0.05	6.88	0.43	7.30	0.69	0.43	1.11
3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	10.10	42.14	45.32	0.20	21.50	1.57	23.07	3.50	1.57	5.07
3.25 Plots 11 and 12 (2032) Finish Grading - 2032	0.80	3.86	7.92	0.02	7.30	0.17	7.47	2.05	0.17	2.22
3.26 Plots 11 and 12 (2032) Utilities - 2032	8.43	25.34	59.46	0.21	18.55	0.67	19.22	1.85	0.67	2.52
3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	1.23	7.99	16.73	0.03	11.64	0.16	11.80	1.16	0.16	1.32
3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	3.58	12.85	40.34	0.10	10.08	0.38	10.47	1.01	0.38	1.39
3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2.07	11.28	22.85	0.04	8.38	0.18	8.56	0.84	0.18	1.01
3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	1.57	6.76	17.36	0.04	3.54	0.18	3.72	0.35	0.18	0.53
3.31 Plots 11 and 12 (2032) Landscaping - 2032	1.65	7.04	18.84	0.04	3.33	0.19	3.53	0.33	0.19	0.53
3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	0.63	1.98	3.10	0.01	0.00	0.07	0.07	0.00	0.07	0.07
3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	1.41	0.38	1.15	0.01	3.41	0.01	3.43	0.34	0.01	0.35
3.34 Plots 11 and 12 (2032) Paving - 2032	3.75	11.49	21.59	0.05	6.88	0.43	7.30	0.69	0.43	1.11
3.35 Plot 12 (2033) Finish Grading - 2033	0.60	2.73	5.36	0.01	7.06	0.15	7.20	2.03	0.15	2.17
3.36 Plot 12 (2033) Utilities - 2033	8.43	25.34	59.46	0.21	18.55	0.67	19.22	1.85	0.67	2.52
3.37 Plot 12 (2033) Building-Concrete - 2033	1.23	7.99	16.73	0.03	11.64	0.16	11.80	1.16	0.16	1.32
3.38 Plot 12 (2033) Building-Wet Utilities - 2033	3.58	12.85	40.34	0.10	10.08	0.38	10.47	1.01	0.38	1.39
3.39 Plot 12 (2033) Building-Electrical - 2033	2.07	11.28	22.85	0.04	8.38	0.18	8.56	0.84	0.18	1.01
3.40 Plot 12 (2033) Building-Landscaping - 2033	1.57	6.76	17.36	0.04	3.54	0.18	3.72	0.35	0.18	0.53
3.41 Plot 12 (2033) Landscaping - 2033	1.65	7.04	18.84	0.04	3.33	0.19	3.53	0.33	0.19	0.53
3.42 Plot 12 (2033) Temporary Utilities - 2033	0.63	1.98	3.10	0.01	0.00	0.07	0.07	0.00	0.07	0.07
3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2.14	4.40	9.22	0.02	3.41	0.19	3.60	0.34	0.19	0.53
3.44 Plot 12 (2033) Paving - 2033	3.75	11.49	21.59	0.05	6.88	0.43	7.30	0.69	0.43	1.11
3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	0.80	3.87	7.94	0.02	8.08	0.17	8.25	2.13	0.17	2.30
3.46 Plots 12 and 21,22 (2034) Utilities - 2034	8.51	25.35	59.06	0.22	23.18	0.67	23.85	2.31	0.67	2.98
3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	1.21	7.85	16.62	0.03	14.55	0.15	14.70	1.45	0.15	1.60
3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	3.65	12.89	40.38	0.10	12.60	0.38	12.99	1.26	0.38	1.64
3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2.10	11.35	22.90	0.04	10.48	0.18	10.65	1.05	0.18	1.22
3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	1.60	6.77	17.37	0.04	4.42	0.18	4.61	0.44	0.18	0.62
3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	1.68	7.05	18.84	0.04	4.16	0.19	4.36	0.42	0.19	0.61
3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	0.63	1.98	3.10	0.01	0.00	0.07	0.07	0.00	0.07	0.07
3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	1.36	0.20	0.18	0.01	4.27	0.01	4.27	0.43	0.01	0.43
3.54 Plots 12 and 21,22 (2034) Paving - 2034	3.78	11.50	21.61	0.06	8.60	0.43	9.02	0.86	0.43	1.28
2030	270.78	185.19	311.49	0.94	105.64	6.09	111.72	15.90	6.08	21.98
2031	262.47	142.28	279.27	0.81	99.76	4.48	104.24	12.68	4.47	17.15
2032	259.66	131.11	254.66	0.75	94.61	4.01	98.62	12.12	4.00	16.13
2033	250.08	91.86	214.82	0.56	72.86	2.60	75.46	8.60	2.59	11.18
2034	249.74	88.81	207.99	0.56	90.34	2.42	92.76	10.34	2.41	12.75
Daily Maximum	**270.78**	**185.19**	**311.49**	**0.94**	**105.64**	**6.09**	**111.72**	**15.90**	**6.08**	**21.98**
SCAQMD Regional Significance Thresholds	75.00	100.00	550.00	150.00			150.00			55.00
Exceeds Threshold?	Yes	Yes	No	No	Yes	Yes	No	Yes	Yes	No

2030	224
2031	224
2032	224
2033	224
2034	224

ONSITE Mobile Emissions		ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2.03E-01	1.59E-01	2.23E-01	1.06E-02	1.42E+01	1.68E-03	1.42E+01	1.42E+00	4.69E-04	1.42E+00	4.97E+01	1.09E+00	1.09E-02
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	7.69E-02	3.75E-02	5.70E-02	4.17E-03	4.25E+00	6.08E-04	4.25E+00	4.24E-01	1.28E-04	4.24E-01	1.31E+01	4.34E-01	2.41E-03
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	4.57E-01	4.24E-01	3.76E-01	2.63E-02	1.85E+01	4.04E-03	1.85E+01	1.85E+00	1.03E-03	1.85E+00	1.06E+02	2.71E+00	2.81E-02
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	6.77E-02	3.89E-01	3.58E-01	2.83E-03	1.16E+01	1.06E-03	1.16E+01	1.16E+00	7.86E-04	1.16E+00	8.83E+01	2.22E-01	2.81E-02
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2.71E-01	1.76E-01	1.67E-01	1.56E-02	1.01E+01	2.27E-03	1.01E+01	1.01E+00	4.77E-04	1.01E+00	4.78E+01	1.63E+00	1.12E-02
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	1.22E-01	2.78E-01	2.40E-01	6.65E-03	8.38E+00	1.32E-03	8.38E+00	8.37E-01	5.86E-04	8.37E-01	6.37E+01	6.53E-01	1.95E-02
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	1.23E-01	3.09E-02	3.42E-02	7.19E-03	3.54E+00	9.58E-04	3.54E+00	3.53E-01	1.24E-04	3.53E-01	1.12E+01	7.58E-01	1.50E-03
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	1.06E-01	2.67E-02	3.29E-02	6.17E-03	3.33E+00	8.25E-04	3.33E+00	3.32E-01	1.10E-04	3.33E-01	1.00E+01	6.50E-01	1.32E-03
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	7.44E-02	4.96E-02	5.46E-02	4.18E-03	3.41E+00	6.20E-04	3.41E+00	3.41E-01	1.39E-04	3.41E-01	1.42E+01	4.34E-01	3.22E-03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	1.17E-01	5.59E-02	9.10E-02	6.27E-03	6.88E+00	9.18E-04	6.88E+00	6.86E-01	1.97E-04	6.86E-01	2.02E+01	6.51E-01	3.62E-03
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2.01E-01	1.58E-01	2.19E-01	1.05E-02	1.42E+01	1.66E-03	1.42E+01	1.42E+00	4.52E-04	1.42E+00	4.87E+01	1.07E+00	1.08E-02
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	7.63E-02	3.74E-02	5.59E-02	4.16E-03	4.25E+00	6.05E-04	4.25E+00	4.24E-01	1.24E-04	4.24E-01	1.28E+01	4.28E-01	2.39E-03
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	4.55E-01	4.23E-01	3.73E-01	2.62E-02	1.85E+01	4.02E-03	1.85E+01	1.85E+00	1.00E-03	1.85E+00	1.04E+02	2.67E+00	2.79E-02
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	6.66E-02	3.88E-01	3.56E-01	2.80E-03	1.16E+01	1.04E-03	1.16E+01	1.16E+00	7.64E-04	1.16E+00	8.66E+01	2.19E-01	2.80E-02
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2.70E-01	1.76E-01	1.66E-01	1.56E-02	1.01E+01	2.26E-03	1.01E+01	1.01E+00	4.63E-04	1.01E+00	4.70E+01	1.60E+00	1.11E-02
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	1.21E-01	2.77E-01	2.39E-01	6.62E-03	8.38E+00	1.31E-03	8.38E+00	8.37E-01	5.69E-04	8.37E-01	6.25E+01	6.44E-01	1.94E-02
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	1.22E-01	3.07E-02	3.34E-02	7.16E-03	3.54E+00	9.56E-04	3.54E+00	3.53E-01	1.20E-04	3.53E-01	1.10E+01	7.47E-01	1.47E-03
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	1.06E-01	2.66E-02	3.21E-02	6.14E-03	3.33E+00	8.23E-04	3.33E+00	3.32E-01	1.06E-04	3.33E-01	9.83E+00	6.41E-01	1.30E-03
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	7.40E-02	4.95E-02	5.38E-02	4.16E-03	3.41E+00	6.16E-04	3.41E+00	3.41E-01	1.35E-04	3.41E-01	1.39E+01	4.28E-01	3.19E-03
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	1.16E-01	5.56E-02	8.92E-02	6.24E-03	6.88E+00	9.12E-04	6.88E+00	6.86E-01	1.90E-04	6.86E-01	1.98E+01	6.41E-01	3.58E-03
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	1.91E-01	1.44E-01	2.06E-01	9.98E-03	1.39E+01	1.57E-03	1.39E+01	1.39E+00	4.15E-04	1.39E+00	4.50E+01	1.00E+00	9.81E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	5.93E-02	3.56E-02	5.56E-02	3.13E-03	4.08E+00	4.74E-04	4.08E+00	4.07E-01	1.12E-04	4.07E-01	1.20E+01	3.16E-01	2.38E-03
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	4.53E-01	4.21E-01	3.71E-01	2.61E-02	1.85E+01	4.00E-03	1.85E+01	1.85E+00	9.91E-04	1.85E+00	1.03E+02	2.64E+00	2.77E-02
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	6.57E-02	3.86E-01	3.55E-01	2.79E-03	1.16E+01	1.03E-03	1.16E+01	1.16E+00	7.55E-04	1.16E+00	8.51E+01	2.16E-01	2.78E-02
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2.69E-01	1.75E-01	1.64E-01	1.55E-02	1.01E+01	2.26E-03	1.01E+01	1.01E+00	4.57E-04	1.01E+00	4.62E+01	1.58E+00	1.10E-02
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	1.20E-01	2.77E-01	2.39E-01	6.60E-03	8.38E+00	1.30E-03	8.38E+00	8.37E-01	5.63E-04	8.37E-01	6.14E+01	6.35E-01	1.93E-02
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	1.22E-01	3.06E-02	3.26E-02	7.15E-03	3.54E+00	9.55E-04	3.54E+00	3.53E-01	1.18E-04	3.53E-01	1.08E+01	7.37E-01	1.45E-03
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	1.05E-01	2.65E-02	3.13E-02	6.13E-03	3.33E+00	8.22E-04	3.33E+00	3.32E-01	1.04E-04	3.33E-01	9.67E+00	6.32E-01	1.28E-03
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	7.36E-02	4.93E-02	5.31E-02	4.15E-03	3.41E+00	6.14E-04	3.41E+00	3.41E-01	1.33E-04	3.41E-01	1.37E+01	4.22E-01	3.17E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	1.15E-01	5.53E-02	8.76E-02	6.22E-03	6.88E+00	9.08E-04	6.88E+00	6.86E-01	1.85E-04	6.86E-01	1.95E+01	6.33E-01	3.54E-03
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	4.24E-02	3.39E-02	5.55E-02	2.12E-03	3.91E+00	3.44E-04	3.91E+00	3.91E-01	1.00E-04	3.91E-01	1.12E+01	2.08E-01	2.37E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	4.52E-01	4.20E-01	3.68E-01	2.61E-02	1.85E+01	3.99E-03	1.85E+01	1.85E+00	9.80E-04	1.85E+00	1.01E+02	2.60E+00	2.75E-02
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	6.49E-02	3.85E-01	3.54E-01	2.77E-03	1.16E+01	1.02E-03	1.16E+01	1.16E+00	7.46E-04	1.16E+00	8.37E+01	2.13E-01	2.77E-02
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2.68E-01	1.75E-01	1.62E-01	1.55E-02	1.01E+01	2.25E-03	1.01E+01	1.01E+00	4.51E-04	1.01E+00	4.54E+01	1.56E+00	1.10E-02
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	1.20E-01	2.76E-01	2.38E-01	6.58E-03	8.38E+00	1.30E-03	8.38E+00	8.37E-01	5.57E-04	8.37E-01	6.04E+01	6.27E-01	1.92E-02
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	1.22E-01	3.05E-02	3.20E-02	7.14E-03	3.54E+00	9.53E-04	3.54E+00	3.53E-01	1.16E-04	3.53E-01	1.06E+01	7.27E-01	1.43E-03
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	1.05E-01	2.63E-02	3.07E-02	6.12E-03	3.33E+00	8.20E-04	3.33E+00	3.32E-01	1.03E-04	3.33E-01	9.52E+00	6.24E-01	1.26E-03
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	7.33E-02	4.91E-02	5.26E-02	4.15E-03	3.41E+00	6.12E-04	3.41E+00	3.41E-01	1.31E-04	3.41E-01	1.35E+01	4.16E-01	3.14E-03
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	1.14E-01	5.50E-02	8.61E-02	6.21E-03	6.88E+00	9.04E-04	6.88E+00	6.86E-01	1.81E-04	6.86E-01	1.92E+01	6.24E-01	3.51E-03
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	5.23E-02	4.03E-02	6.69E-02	2.64E-03	4.86E+00	4.23E-04	4.86E+00	4.85E-01	1.19E-04	4.85E-01	1.35E+01	2.57E-01	2.81E-03
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	5.64E-01	5.24E-01	4.58E-01	3.25E-02	2.32E+01	4.98E-03	2.32E+01	2.31E+00	1.21E-03	2.32E+00	1.24E+02	3.21E+00	3.42E-02
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	8.02E-02	4.80E-01	4.41E-01	3.44E-03	1.45E+01	1.26E-03	1.45E+01	1.45E+00	9.22E-04	1.45E+00	1.03E+02	2.63E-01	3.45E-02
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	3.34E-01	2.18E-01	2.01E-01	1.94E-02	1.26E+01	2.81E-03	1.26E+01	1.26E+00	5.57E-04	1.26E+00	5.60E+01	1.93E+00	1.36E-02
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	1.49E-01	3.44E-01	2.96E-01	8.21E-03	1.05E+01	1.61E-03	1.05E+01	1.05E+00	6.89E-04	1.05E+00	7.44E+01	7.74E-01	2.39E-02
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	1.52E-01	3.79E-02	3.92E-02	8.91E-03	4.42E+00	1.19E-03	4.43E+00	4.42E-01	1.43E-04	4.42E-01	1.31E+01	8.98E-01	1.76E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	1.31E-01	3.28E-02	3.77E-02	7.64E-03	4.16E+00	1.02E-03	4.16E+00	4.16E-01	1.26E-04	4.16E-01	1.17E+01	7.70E-01	1.55E-03
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	9.13E-02	6.11E-02	6.50E-02	5.18E-03	4.27E+00	7.63E-04	4.27E+00	4.26E-01	1.61E-04	4.26E-01	1.66E+01	5.14E-01	3.90E-03
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	1.42E-01	6.84E-02	1.06E-01	7.76E-03	8.60E+00	1.12E-03	8.60E+00	8.58E-01	2.22E-04	8.58E-01	2.36E+01	7.71E-01	4.35E-03

							Haul Starting Evaporative Emission Factors												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Emission Factor (g/min)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	2170	8	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	364	1	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	7512	29	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	2191	8	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	5008	19	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	0	0	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	624	2	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	528	2	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	2170	8	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	364	1	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	2191	8	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	1937.5	7	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	416	2	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	6260	24	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	7512	29	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	5008	19	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	0	0	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	0	0	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	624	2	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	528	2	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	468	2	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	6260	24	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	7512	29	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	2191	8	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	5008	19	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	0	0	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	0	0	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	624	2	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	528	2	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	546	2	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	7825	30	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	9390	36	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	2738.75	11	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	6260	24	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	0	0	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	0	0	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	0	0	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	780	3	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	660	3	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	2170	8	15	3.44E-06	2.20E-02	5.54E-05	4.61E-09	0.00E+00	4.88E-09	4.88E-09	0.00E+00	4.49E-09	4.49E-09	4.66E-04	3.37E-09	3.31E-08
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	364	1	15	5.77E-07	3.68E-03	9.29E-06	7.73E-10	0.00E+00	8.19E-10	8.19E-10	0.00E+00	7.53E-10	7.53E-10	7.81E-05	5.66E-10	5.56E-09
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	15	9.93E-06	6.33E-02	1.60E-04	1.33E-08	0.00E+00	1.41E-08	1.41E-08	0.00E+00	1.29E-08	1.29E-08	1.34E-03	9.73E-09	9.56E-08
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	7512	29	15	1.19E-05	7.60E-02	1.92E-04	1.60E-08	0.00E+00	1.69E-08	1.69E-08	0.00E+00	1.55E-08	1.55E-08	1.61E-03	1.17E-08	1.15E-07
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	2191	8	15	3.48E-06	2.22E-02	5.59E-05	4.65E-09	0.00E+00	4.93E-09	4.93E-09	0.00E+00	4.53E-09	4.53E-09	4.70E-04	3.40E-09	3.35E-08
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	5008	19	15	7.94E-06	5.07E-02	1.28E-04	1.06E-08	0.00E+00	1.13E-08	1.13E-08	0.00E+00	1.04E-08	1.04E-08	1.07E-03	7.78E-09	7.65E-08
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	624	2	15	9.90E-07	6.31E-03	1.59E-05	1.33E-09	0.00E+00	1.40E-09	1.40E-09	0.00E+00	1.29E-09	1.29E-09	1.34E-04	9.70E-10	9.53E-09
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	528	2	15	8.38E-07	5.34E-03	1.35E-05	1.12E-09	0.00E+00	1.19E-09	1.19E-09	0.00E+00	1.09E-09	1.09E-09	1.13E-04	8.20E-10	8.06E-09
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	2170	8	15	3.33E-06	2.19E-02	5.69E-05	4.67E-09	0.00E+00	4.94E-09	4.94E-09	0.00E+00	4.54E-09	4.54E-09	4.72E-04	3.30E-09	2.33E-08
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	364	1	15	5.58E-07	3.68E-03	9.55E-06	7.84E-10	0.00E+00	8.29E-10	8.29E-10	0.00E+00	7.62E-10	7.62E-10	7.92E-05	5.54E-10	3.90E-09
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	15	9.60E-06	6.33E-02	1.64E-04	1.35E-08	0.00E+00	1.43E-08	1.43E-08	0.00E+00	1.31E-08	1.31E-08	1.36E-03	9.52E-09	6.71E-08
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	15	1.15E-05	7.60E-02	1.97E-04	1.62E-08	0.00E+00	1.71E-08	1.71E-08	0.00E+00	1.57E-08	1.57E-08	1.63E-03	1.14E-08	8.06E-08
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	2191	8	15	3.36E-06	2.22E-02	5.75E-05	4.72E-09	0.00E+00	4.99E-09	4.99E-09	0.00E+00	4.59E-09	4.59E-09	4.77E-04	3.33E-09	2.35E-08
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	15	7.68E-06	5.07E-02	1.31E-04	1.08E-08	0.00E+00	1.14E-08	1.14E-08	0.00E+00	1.05E-08	1.05E-08	1.09E-03	7.62E-09	5.37E-08
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	15	9.56E-07	6.31E-03	1.64E-05	1.34E-09	0.00E+00	1.42E-09	1.42E-09	0.00E+00	1.31E-09	1.31E-09	1.36E-04	9.49E-10	6.69E-09
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	15	8.09E-07	5.34E-03	1.39E-05	1.14E-09	0.00E+00	1.20E-09	1.20E-09	0.00E+00	1.11E-09	1.11E-09	1.15E-04	8.03E-10	5.66E-09
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	1937.5	7	15	3.02E-06	1.96E-02	5.26E-05	4.25E-09	0.00E+00	4.61E-09	4.61E-09	0.00E+00	4.24E-09	4.24E-09	4.30E-04	2.95E-09	2.04E-08
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	416	2	15	6.49E-07	4.21E-03	1.13E-05	9.13E-10	0.00E+00	9.91E-10	9.91E-10	0.00E+00	9.11E-10	9.11E-10	9.23E-05	6.34E-10	4.37E-09
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	6260	24	15	9.77E-06	6.33E-02	1.70E-04	1.37E-08	0.00E+00	1.49E-08	1.49E-08	0.00E+00	1.37E-08	1.37E-08	1.39E-03	9.54E-09	6.58E-08
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	7512	29	15	1.17E-05	7.60E-02	2.04E-04	1.65E-08	0.00E+00	1.79E-08	1.79E-08	0.00E+00	1.65E-08	1.65E-08	1.67E-03	1.15E-08	7.89E-08
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	15	3.42E-06	2.22E-02	5.95E-05	4.81E-09	0.00E+00	5.22E-09	5.22E-09	0.00E+00	4.80E-09	4.80E-09	4.86E-04	3.34E-09	2.30E-08
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	5008	19	15	7.81E-06	5.06E-02	1.36E-04	1.10E-08	0.00E+00	1.19E-08	1.19E-08	0.00E+00	1.10E-08	1.10E-08	1.11E-03	7.64E-09	5.26E-08
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	624	2	15	9.73E-07	6.31E-03	1.69E-05	1.37E-09	0.00E+00	1.49E-09	1.49E-09	0.00E+00	1.37E-09	1.37E-09	1.38E-04	9.51E-10	6.56E-09
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	528	2	15	8.24E-07	5.34E-03	1.43E-05	1.16E-09	0.00E+00	1.26E-09	1.26E-09	0.00E+00	1.16E-09	1.16E-09	1.17E-04	8.05E-10	5.55E-09
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	468	2	15	7.50E-07	4.73E-03	1.31E-05	1.05E-09	0.00E+00	1.16E-09	1.16E-09	0.00E+00	1.07E-09	1.07E-09	1.06E-04	7.18E-10	3.93E-09
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	6260	24	15	1.00E-05	6.33E-02	1.76E-04	1.40E-08	0.00E+00	1.55E-08	1.55E-08	0.00E+00	1.43E-08	1.43E-08	1.42E-03	9.61E-09	5.26E-08
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	7512	29	15	1.20E-05	7.60E-02	2.11E-04	1.68E-08	0.00E+00	1.87E-08	1.87E-08	0.00E+00	1.72E-08	1.72E-08	1.70E-03	1.15E-08	6.31E-08
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	2191	8	15	3.51E-06	2.22E-02	6.15E-05	4.90E-09	0.00E+00	5.44E-09	5.44E-09	0.00E+00	5.00E-09	5.00E-09	4.95E-04	3.36E-09	1.84E-08
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	5008	19	15	8.02E-06	5.06E-02	1.40E-04	1.12E-08	0.00E+00	1.24E-08	1.24E-08	0.00E+00	1.14E-08	1.14E-08	1.13E-03	7.69E-09	4.21E-08
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	624	2	15	1.00E-06	6.31E-03	1.75E-05	1.40E-09	0.00E+00	1.55E-09	1.55E-09	0.00E+00	1.42E-09	1.42E-09	1.41E-04	9.58E-10	5.24E-09
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	528	2	15	8.46E-07	5.34E-03	1.48E-05	1.18E-09	0.00E+00	1.31E-09	1.31E-09	0.00E+00	1.21E-09	1.21E-09	1.19E-04	8.10E-10	4.44E-09
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	546	2	15	9.01E-07	5.52E-03	1.58E-05	1.24E-09	0.00E+00	1.40E-09	1.40E-09	0.00E+00	1.29E-09	1.29E-09	1.25E-04	8.38E-10	3.17E-09
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	7825	30	15	1.29E-05	7.91E-02	2.26E-04	1.78E-08	0.00E+00	2.01E-08	2.01E-08	0.00E+00	1.85E-08	1.85E-08	1.80E-03	1.20E-08	4.54E-08
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	9390	36	15	1.55E-05	9.50E-02	2.71E-04	2.13E-08	0.00E+00	2.42E-08	2.42E-08	0.00E+00	2.22E-08	2.22E-08	2.16E-03	1.44E-08	5.45E-08
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	2738.75	11	15	4.52E-06	2.77E-02	7.90E-05	6.22E-09	0.00E+00	7.04E-09	7.04E-09	0.00E+00	6.48E-09	6.48E-09	6.29E-04	4.20E-09	1.59E-08
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	6260	24	15	1.03E-05	6.33E-02	1.81E-04	1.42E-08	0.00E+00	1.61E-08	1.61E-08	0.00E+00	1.48E-08	1.48E-08	1.44E-03	9.60E-09	3.63E-08
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	780	3	15	1.29E-06	7.89E-03	2.25E-05	1.77E-09	0.00E+00	2.01E-09	2.01E-09	0.00E+00	1.84E-09	1.84E-09	1.79E-04	1.20E-09	4.53E-09
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	660	3	15	1.09E-06	6.67E-03	1.90E-05	1.50E-09	0.00E+00	1.70E-09	1.70E-09	0.00E+00	1.56E-09	1.56E-09	1.52E-04	1.01E-09	3.83E-09

							Haul Idling Emission Factors												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Emission Factor (g/min)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	2170	8	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	364	1	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	7512	29	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	2191	8	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	5008	19	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	0	0	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	624	2	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	528	2	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	2170	8	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	364	1	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	2191	8	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	1937.5	7	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	416	2	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	6260	24	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	7512	29	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	5008	19	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	0	0	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	0	0	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	624	2	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	528	2	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	468	2	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	6260	24	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	7512	29	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	2191	8	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	5008	19	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	0	0	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	0	0	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	624	2	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	528	2	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	546	2	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	7825	30	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	9390	36	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	2738.75	11	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	6260	24	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	0	0	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	0	0	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	0	0	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	780	3	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	660	3	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02

							Daily Emissions												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	2170	8	15	5.14E-03	6.54E-02	8.00E-02	1.05E-04	0.00E+00	2.76E-05	2.76E-05	0.00E+00	2.64E-05	2.64E-05	1.16E+01	4.77E-04	6.10E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	364	1	15	8.63E-04	1.10E-02	1.34E-02	1.76E-05	0.00E+00	4.64E-06	4.64E-06	0.00E+00	4.44E-06	4.44E-06	1.95E+00	7.99E-05	1.02E-03
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	15	1.48E-02	1.89E-01	2.31E-01	3.03E-04	0.00E+00	7.97E-05	7.97E-05	0.00E+00	7.63E-05	7.63E-05	3.36E+01	1.37E-03	1.76E-02
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	7512	29	15	1.78E-02	2.26E-01	2.77E-01	3.63E-04	0.00E+00	9.57E-05	9.57E-05	0.00E+00	9.16E-05	9.16E-05	4.03E+01	1.65E-03	2.11E-02
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	2191	8	15	5.19E-03	6.60E-02	8.08E-02	1.06E-04	0.00E+00	2.79E-05	2.79E-05	0.00E+00	2.67E-05	2.67E-05	1.18E+01	4.81E-04	6.15E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	5008	19	15	1.19E-02	1.51E-01	1.85E-01	2.42E-04	0.00E+00	6.38E-05	6.38E-05	0.00E+00	6.10E-05	6.10E-05	2.69E+01	1.10E-03	1.41E-02
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	624	2	15	1.48E-03	1.88E-02	2.30E-02	3.02E-05	0.00E+00	7.95E-06	7.95E-06	0.00E+00	7.61E-06	7.61E-06	3.35E+00	1.37E-04	1.75E-03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	528	2	15	1.25E-03	1.59E-02	1.95E-02	2.55E-05	0.00E+00	6.73E-06	6.73E-06	0.00E+00	6.44E-06	6.44E-06	2.83E+00	1.16E-04	1.48E-03
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	2170	8	15	5.14E-03	6.53E-02	8.01E-02	1.03E-04	0.00E+00	2.70E-05	2.70E-05	0.00E+00	2.59E-05	2.59E-05	1.14E+01	4.81E-04	6.09E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	364	1	15	8.62E-04	1.10E-02	1.34E-02	1.73E-05	0.00E+00	4.53E-06	4.53E-06	0.00E+00	4.34E-06	4.34E-06	1.92E+00	8.07E-05	1.02E-03
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	15	1.48E-02	1.88E-01	2.31E-01	2.97E-04	0.00E+00	7.80E-05	7.80E-05	0.00E+00	7.46E-05	7.46E-05	3.30E+01	1.39E-03	1.76E-02
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	15	1.78E-02	2.26E-01	2.77E-01	3.56E-04	0.00E+00	9.36E-05	9.36E-05	0.00E+00	8.95E-05	8.95E-05	3.96E+01	1.67E-03	2.11E-02
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	2191	8	15	5.19E-03	6.59E-02	8.08E-02	1.04E-04	0.00E+00	2.73E-05	2.73E-05	0.00E+00	2.61E-05	2.61E-05	1.16E+01	4.86E-04	6.15E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	15	1.19E-02	1.51E-01	1.85E-01	2.38E-04	0.00E+00	6.24E-05	6.24E-05	0.00E+00	5.97E-05	5.97E-05	2.64E+01	1.11E-03	1.41E-02
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	15	1.48E-03	1.88E-02	2.30E-02	2.96E-05	0.00E+00	7.77E-06	7.77E-06	0.00E+00	7.44E-06	7.44E-06	3.29E+00	1.38E-04	1.75E-03
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	15	1.25E-03	1.59E-02	1.95E-02	2.50E-05	0.00E+00	6.58E-06	6.58E-06	0.00E+00	6.29E-06	6.29E-06	2.79E+00	1.17E-04	1.48E-03
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	1937.5	7	15	4.58E-03	5.82E-02	7.15E-02	9.03E-05	0.00E+00	2.37E-05	2.37E-05	0.00E+00	2.27E-05	2.27E-05	1.01E+01	4.34E-04	5.44E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	416	2	15	9.84E-04	1.25E-02	1.54E-02	1.94E-05	0.00E+00	5.10E-06	5.10E-06	0.00E+00	4.88E-06	4.88E-06	2.16E+00	9.32E-05	1.17E-03
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	6260	24	15	1.48E-02	1.88E-01	2.31E-01	2.92E-04	0.00E+00	7.67E-05	7.67E-05	0.00E+00	7.34E-05	7.34E-05	3.25E+01	1.40E-03	1.76E-02
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	7512	29	15	1.78E-02	2.26E-01	2.77E-01	3.50E-04	0.00E+00	9.20E-05	9.20E-05	0.00E+00	8.80E-05	8.80E-05	3.90E+01	1.68E-03	2.11E-02
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	15	5.18E-03	6.58E-02	8.09E-02	1.02E-04	0.00E+00	2.68E-05	2.68E-05	0.00E+00	2.57E-05	2.57E-05	1.14E+01	4.91E-04	6.15E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	5008	19	15	1.18E-02	1.50E-01	1.85E-01	2.33E-04	0.00E+00	6.14E-05	6.14E-05	0.00E+00	5.87E-05	5.87E-05	2.60E+01	1.12E-03	1.41E-02
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	624	2	15	1.48E-03	1.87E-02	2.30E-02	2.91E-05	0.00E+00	7.64E-06	7.64E-06	0.00E+00	7.31E-06	7.31E-06	3.24E+00	1.40E-04	1.75E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	528	2	15	1.25E-03	1.59E-02	1.95E-02	2.46E-05	0.00E+00	6.47E-06	6.47E-06	0.00E+00	6.19E-06	6.19E-06	2.74E+00	1.18E-04	1.48E-03
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	468	2	15	1.11E-03	1.40E-02	1.73E-02	2.14E-05	0.00E+00	5.65E-06	5.65E-06	0.00E+00	5.40E-06	5.40E-06	2.39E+00	1.06E-04	1.31E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	6260	24	15	1.48E-02	1.88E-01	2.31E-01	2.87E-04	0.00E+00	7.56E-05	7.56E-05	0.00E+00	7.23E-05	7.23E-05	3.20E+01	1.42E-03	1.76E-02
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	7512	29	15	1.77E-02	2.25E-01	2.77E-01	3.44E-04	0.00E+00	9.07E-05	9.07E-05	0.00E+00	8.68E-05	8.68E-05	3.84E+01	1.70E-03	2.11E-02
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	2191	8	15	5.17E-03	6.57E-02	8.09E-02	1.00E-04	0.00E+00	2.64E-05	2.64E-05	0.00E+00	2.53E-05	2.53E-05	1.12E+01	4.95E-04	6.15E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	5008	19	15	1.18E-02	1.50E-01	1.85E-01	2.29E-04	0.00E+00	6.05E-05	6.05E-05	0.00E+00	5.78E-05	5.78E-05	2.56E+01	1.13E-03	1.40E-02
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	624	2	15	1.47E-03	1.87E-02	2.30E-02	2.86E-05	0.00E+00	7.53E-06	7.53E-06	0.00E+00	7.21E-06	7.21E-06	3.19E+00	1.41E-04	1.75E-03
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	528	2	15	1.25E-03	1.58E-02	1.95E-02	2.42E-05	0.00E+00	6.37E-06	6.37E-06	0.00E+00	6.10E-06	6.10E-06	2.70E+00	1.19E-04	1.48E-03
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	546	2	15	1.29E-03	1.64E-02	2.02E-02	2.46E-05	0.00E+00	6.49E-06	6.49E-06	0.00E+00	6.21E-06	6.21E-06	2.75E+00	1.25E-04	1.53E-03
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	7825	30	15	1.85E-02	2.34E-01	2.89E-01	3.53E-04	0.00E+00	9.29E-05	9.29E-05	0.00E+00	8.89E-05	8.89E-05	3.94E+01	1.78E-03	2.19E-02
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	9390	36	15	2.21E-02	2.81E-01	3.47E-01	4.23E-04	0.00E+00	1.12E-04	1.12E-04	0.00E+00	1.07E-04	1.07E-04	4.73E+01	2.14E-03	2.63E-02
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	2738.75	11	15	6.46E-03	8.21E-02	1.01E-01	1.24E-04	0.00E+00	3.25E-05	3.25E-05	0.00E+00	3.11E-05	3.11E-05	1.38E+01	6.25E-04	7.68E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	6260	24	15	1.48E-02	1.88E-01	2.31E-01	2.82E-04	0.00E+00	7.44E-05	7.44E-05	0.00E+00	7.11E-05	7.11E-05	3.15E+01	1.43E-03	1.76E-02
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	780	3	15	1.84E-03	2.34E-02	2.88E-02	3.52E-05	0.00E+00	9.27E-06	9.27E-06	0.00E+00	8.86E-06	8.86E-06	3.93E+00	1.78E-04	2.19E-03
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	660	3	15	1.56E-03	1.98E-02	2.44E-02	2.98E-05	0.00E+00	7.84E-06	7.84E-06	0.00E+00	7.50E-06	7.50E-06	3.33E+00	1.51E-04	1.85E-03

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Haul Running Emission Factors ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission Factor (g/mile)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	2170	8	0.5	2.14E-02	2.31E+00	4.75E-01	1.07E-02	1.89E+02	1.98E-02	1.89E+02	1.89E+01	1.89E-02	1.89E+01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	364	1	0.5	2.14E-02	2.31E+00	4.75E-01	1.07E-02	1.89E+02	1.98E-02	1.89E+02	1.89E+01	1.89E-02	1.89E+01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	0.5	2.14E-02	2.31E+00	4.75E-01	1.07E-02	1.89E+02	1.98E-02	1.89E+02	1.89E+01	1.89E-02	1.89E+01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	7512	29	0.5	2.14E-02	2.31E+00	4.75E-01	1.07E-02	1.89E+02	1.98E-02	1.89E+02	1.89E+01	1.89E-02	1.89E+01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	2191	8	0.5	2.14E-02	2.31E+00	4.75E-01	1.07E-02	1.89E+02	1.98E-02	1.89E+02	1.89E+01	1.89E-02	1.89E+01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	5008	19	0.5	2.14E-02	2.31E+00	4.75E-01	1.07E-02	1.89E+02	1.98E-02	1.89E+02	1.89E+01	1.89E-02	1.89E+01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	0	0	0.5	2.14E-02	2.31E+00	4.75E-01	1.07E-02	1.89E+02	1.98E-02	1.89E+02	1.89E+01	1.89E-02	1.89E+01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	0.5	2.14E-02	2.31E+00	4.75E-01	1.07E-02	1.89E+02	1.98E-02	1.89E+02	1.89E+01	1.89E-02	1.89E+01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	0.5	2.14E-02	2.31E+00	4.75E-01	1.07E-02	1.89E+02	1.98E-02	1.89E+02	1.89E+01	1.89E-02	1.89E+01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	624	2	0.5	2.14E-02	2.31E+00	4.75E-01	1.07E-02	1.89E+02	1.98E-02	1.89E+02	1.89E+01	1.89E-02	1.89E+01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	528	2	0.5	2.14E-02	2.31E+00	4.75E-01	1.07E-02	1.89E+02	1.98E-02	1.89E+02	1.89E+01	1.89E-02	1.89E+01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	2170	8	0.5	2.11E-02	2.29E+00	4.81E-01	1.05E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	364	1	0.5	2.11E-02	2.29E+00	4.81E-01	1.05E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	0.5	2.11E-02	2.29E+00	4.81E-01	1.05E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	0.5	2.11E-02	2.29E+00	4.81E-01	1.05E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	2191	8	0.5	2.11E-02	2.29E+00	4.81E-01	1.05E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	0.5	2.11E-02	2.29E+00	4.81E-01	1.05E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	0.5	2.11E-02	2.29E+00	4.81E-01	1.05E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	0.5	2.11E-02	2.29E+00	4.81E-01	1.05E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	0.5	2.11E-02	2.29E+00	4.81E-01	1.05E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	0.5	2.11E-02	2.29E+00	4.81E-01	1.05E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	0.5	2.11E-02	2.29E+00	4.81E-01	1.05E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.16E+03	7.99E-02	1.85E-01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	1937.5	7	0.5	2.09E-02	2.27E+00	4.85E-01	1.03E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	416	2	0.5	2.09E-02	2.27E+00	4.85E-01	1.03E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	6260	24	0.5	2.09E-02	2.27E+00	4.85E-01	1.03E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	7512	29	0.5	2.09E-02	2.27E+00	4.85E-01	1.03E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	0.5	2.09E-02	2.27E+00	4.85E-01	1.03E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	5008	19	0.5	2.09E-02	2.27E+00	4.85E-01	1.03E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	0	0	0.5	2.09E-02	2.27E+00	4.85E-01	1.03E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	0	0	0.5	2.09E-02	2.27E+00	4.85E-01	1.03E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	0.5	2.09E-02	2.27E+00	4.85E-01	1.03E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	624	2	0.5	2.09E-02	2.27E+00	4.85E-01	1.03E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	528	2	0.5	2.09E-02	2.27E+00	4.85E-01	1.03E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.14E+03	8.02E-02	1.82E-01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	468	2	0.5	2.07E-02	2.25E+00	4.88E-01	1.01E-02	1.89E+02	1.90E-02	1.89E+02	1.89E+01	1.82E-02	1.89E+01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	6260	24	0.5	2.07E-02	2.25E+00	4.88E-01	1.01E-02	1.89E+02	1.90E-02	1.89E+02	1.89E+01	1.82E-02	1.89E+01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	7512	29	0.5	2.07E-02	2.25E+00	4.88E-01	1.01E-02	1.89E+02	1.90E-02	1.89E+02	1.89E+01	1.82E-02	1.89E+01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	2191	8	0.5	2.07E-02	2.25E+00	4.88E-01	1.01E-02	1.89E+02	1.90E-02	1.89E+02	1.89E+01	1.82E-02	1.89E+01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	5008	19	0.5	2.07E-02	2.25E+00	4.88E-01	1.01E-02	1.89E+02	1.90E-02	1.89E+02	1.89E+01	1.82E-02	1.89E+01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	0	0	0.5	2.07E-02	2.25E+00	4.88E-01	1.01E-02	1.89E+02	1.90E-02	1.89E+02	1.89E+01	1.82E-02	1.89E+01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	0	0	0.5	2.07E-02	2.25E+00	4.88E-01	1.01E-02	1.89E+02	1.90E-02	1.89E+02	1.89E+01	1.82E-02	1.89E+01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	0.5	2.07E-02	2.25E+00	4.88E-01	1.01E-02	1.89E+02	1.90E-02	1.89E+02	1.89E+01	1.82E-02	1.89E+01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	624	2	0.5	2.07E-02	2.25E+00	4.88E-01	1.01E-02	1.89E+02	1.90E-02	1.89E+02	1.89E+01	1.82E-02	1.89E+01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	528	2	0.5	2.07E-02	2.25E+00	4.88E-01	1.01E-02	1.89E+02	1.90E-02	1.89E+02	1.89E+01	1.82E-02	1.89E+01	1.12E+03	8.05E-02	1.79E-01
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	546	2	0.5	2.05E-02	2.22E+00	4.91E-01	9.92E-03	1.89E+02	1.89E-02	1.89E+02	1.89E+01	1.81E-02	1.89E+01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	7825	30	0.5	2.05E-02	2.22E+00	4.91E-01	9.92E-03	1.89E+02	1.89E-02	1.89E+02	1.89E+01	1.81E-02	1.89E+01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	9390	36	0.5	2.05E-02	2.22E+00	4.91E-01	9.92E-03	1.89E+02	1.89E-02	1.89E+02	1.89E+01	1.81E-02	1.89E+01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	2738.75	11	0.5	2.05E-02	2.22E+00	4.91E-01	9.92E-03	1.89E+02	1.89E-02	1.89E+02	1.89E+01	1.81E-02	1.89E+01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	6260	24	0.5	2.05E-02	2.22E+00	4.91E-01	9.92E-03	1.89E+02	1.89E-02	1.89E+02	1.89E+01	1.81E-02	1.89E+01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	0	0	0.5	2.05E-02	2.22E+00	4.91E-01	9.92E-03	1.89E+02	1.89E-02	1.89E+02	1.89E+01	1.81E-02	1.89E+01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	0	0	0.5	2.05E-02	2.22E+00	4.91E-01	9.92E-03	1.89E+02	1.89E-02	1.89E+02	1.89E+01	1.81E-02	1.89E+01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	0	0	0.5	2.05E-02	2.22E+00	4.91E-01	9.92E-03	1.89E+02	1.89E-02	1.89E+02	1.89E+01	1.81E-02	1.89E+01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	780	3	0.5	2.05E-02	2.22E+00	4.91E-01	9.92E-03	1.89E+02	1.89E-02	1.89E+02	1.89E+01	1.81E-02	1.89E+01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	660	3	0.5	2.05E-02	2.22E+00	4.91E-01	9.92E-03	1.89E+02	1.89E-02	1.89E+02	1.89E+01	1.81E-02	1.89E+01	1.10E+03	8.07E-02	1.76E-01

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	2170	8	0.5	1.97E-04	2.12E-02	4.37E-03	9.86E-05	1.74E+00	1.82E-04	1.74E+00	1.73E-01	1.74E-04	1.74E-01	1.09E+01	7.32E-04	1.74E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	364	1	0.5	3.31E-05	3.56E-03	7.33E-04	1.65E-05	2.92E-01	3.05E-05	2.92E-01	2.91E-02	2.92E-05	2.91E-02	1.83E+00	1.23E-04	2.92E-04
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	0.5	5.69E-04	6.12E-02	1.26E-02	2.84E-04	5.01E+00	5.25E-04	5.01E+00	5.00E-01	5.02E-04	5.01E-01	3.15E+01	2.11E-03	5.02E-03
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	7512	29	0.5	6.83E-04	7.34E-02	1.51E-02	3.41E-04	6.02E+00	6.30E-04	6.02E+00	6.01E-01	6.03E-04	6.01E-01	3.79E+01	2.54E-03	6.03E-03
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	2191	8	0.5	1.99E-04	2.14E-02	4.41E-03	9.95E-05	1.75E+00	1.84E-04	1.75E+00	1.75E-01	1.76E-04	1.75E-01	1.10E+01	7.40E-04	1.76E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	5008	19	0.5	4.55E-04	4.89E-02	1.01E-02	2.27E-04	4.01E+00	4.20E-04	4.01E+00	4.00E-01	4.02E-04	4.01E-01	2.52E+01	1.69E-03	4.02E-03
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	624	2	0.5	5.67E-05	6.10E-03	1.26E-03	2.83E-05	5.00E-01	5.24E-05	5.00E-01	4.99E-02	5.01E-05	4.99E-02	3.14E+00	2.11E-04	5.01E-04
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	528	2	0.5	4.80E-05	5.16E-03	1.06E-03	2.40E-05	4.23E-01	4.43E-05	4.23E-01	4.22E-02	4.24E-05	4.23E-02	2.66E+00	1.78E-04	4.24E-04
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	2170	8	0.5	1.94E-04	2.11E-02	4.42E-03	9.65E-05	1.74E+00	1.77E-04	1.74E+00	1.73E-01	1.70E-04	1.74E-01	1.07E+01	7.35E-04	1.71E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	364	1	0.5	3.26E-05	3.53E-03	7.42E-04	1.62E-05	2.92E-01	2.97E-05	2.92E-01	2.91E-02	2.84E-05	2.91E-02	1.80E+00	1.23E-04	2.86E-04
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	0.5	5.60E-04	6.07E-02	1.28E-02	2.78E-04	5.01E+00	5.11E-04	5.01E+00	5.00E-01	4.89E-04	5.01E-01	3.09E+01	2.12E-03	4.92E-03
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	0.5	6.72E-04	7.29E-02	1.53E-02	3.34E-04	6.02E+00	6.14E-04	6.02E+00	6.01E-01	5.87E-04	6.01E-01	3.71E+01	2.55E-03	5.91E-03
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	2191	8	0.5	1.96E-04	2.13E-02	4.46E-03	9.74E-05	1.75E+00	1.79E-04	1.75E+00	1.75E-01	1.71E-04	1.75E-01	1.08E+01	7.42E-04	1.72E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	0.5	4.48E-04	4.86E-02	1.02E-02	2.23E-04	4.01E+00	4.09E-04	4.01E+00	4.00E-01	3.91E-04	4.01E-01	2.47E+01	1.70E-03	3.94E-03
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	0.5	5.58E-05	6.05E-03	1.27E-03	2.77E-05	5.00E-01	5.10E-05	5.00E-01	4.99E-02	4.88E-05	4.99E-02	3.08E+00	2.11E-04	4.91E-04
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	0.5	4.72E-05	5.12E-03	1.08E-03	2.35E-05	4.23E-01	4.31E-05	4.23E-01	4.22E-02	4.13E-05	4.23E-02	2.61E+00	1.79E-04	4.15E-04
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	1937.5	7	0.5	1.71E-04	1.86E-02	3.98E-03	8.45E-05	1.55E+00	1.57E-04	1.55E+00	1.55E-01	1.50E-04	1.55E-01	9.39E+00	6.59E-04	1.50E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	416	2	0.5	3.68E-05	4.00E-03	8.55E-04	1.81E-05	3.33E-01	3.37E-05	3.33E-01	3.33E-02	3.23E-05	3.33E-02	2.02E+00	1.41E-04	3.21E-04
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	6260	24	0.5	5.54E-04	6.01E-02	1.29E-02	2.73E-04	5.01E+00	5.08E-04	5.01E+00	5.00E-01	4.86E-04	5.01E-01	3.03E+01	2.13E-03	4.83E-03
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	7512	29	0.5	6.64E-04	7.22E-02	1.54E-02	3.27E-04	6.02E+00	6.09E-04	6.02E+00	6.01E-01	5.83E-04	6.01E-01	3.64E+01	2.55E-03	5.80E-03
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	0.5	1.94E-04	2.10E-02	4.50E-03	9.55E-05	1.75E+00	1.78E-04	1.75E+00	1.75E-01	1.70E-04	1.75E-01	1.06E+01	7.45E-04	1.69E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	5008	19	0.5	4.43E-04	4.81E-02	1.03E-02	2.18E-04	4.01E+00	4.06E-04	4.01E+00	4.00E-01	3.89E-04	4.01E-01	2.43E+01	1.70E-03	3.87E-03
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	624	2	0.5	5.52E-05	5.99E-03	1.28E-03	2.72E-05	5.00E-01	5.06E-05	5.00E-01	4.99E-02	4.84E-05	4.99E-02	3.02E+00	2.12E-04	4.82E-04
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	528	2	0.5	4.67E-05	5.07E-03	1.08E-03	2.30E-05	4.23E-01	4.28E-05	4.23E-01	4.22E-02	4.10E-05	4.23E-02	2.56E+00	1.80E-04	4.08E-04
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	468	2	0.5	4.10E-05	4.45E-03	9.68E-04	2.00E-05	3.75E-01	3.77E-05	3.75E-01	3.74E-02	3.61E-05	3.75E-02	2.23E+00	1.60E-04	3.55E-04
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	6260	24	0.5	5.48E-04	5.96E-02	1.29E-02	2.68E-04	5.01E+00	5.05E-04	5.01E+00	5.00E-01	4.83E-04	5.01E-01	2.98E+01	2.14E-03	4.75E-03
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	7512	29	0.5	6.58E-04	7.15E-02	1.55E-02	3.22E-04	6.02E+00	6.06E-04	6.02E+00	6.01E-01	5.79E-04	6.01E-01	3.58E+01	2.56E-03	5.70E-03
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	2191	8	0.5	1.92E-04	2.09E-02	4.53E-03	9.38E-05	1.75E+00	1.77E-04	1.75E+00	1.75E-01	1.69E-04	1.75E-01	1.04E+01	7.47E-04	1.66E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	5008	19	0.5	4.39E-04	4.77E-02	1.04E-02	2.14E-04	4.01E+00	4.04E-04	4.01E+00	4.00E-01	3.86E-04	4.01E-01	2.38E+01	1.71E-03	3.80E-03
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	624	2	0.5	5.46E-05	5.94E-03	1.29E-03	2.67E-05	5.00E-01	5.03E-05	5.00E-01	4.99E-02	4.81E-05	4.99E-02	2.97E+00	2.13E-04	4.73E-04
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	528	2	0.5	4.62E-05	5.03E-03	1.09E-03	2.26E-05	4.23E-01	4.26E-05	4.23E-01	4.22E-02	4.07E-05	4.23E-02	2.51E+00	1.80E-04	4.01E-04
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	546	2	0.5	4.74E-05	5.15E-03	1.14E-03	2.30E-05	4.37E-01	4.37E-05	4.37E-01	4.37E-02	4.18E-05	4.37E-02	2.56E+00	1.87E-04	4.07E-04
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	7825	30	0.5	6.79E-04	7.38E-02	1.63E-02	3.29E-04	6.27E+00	6.26E-04	6.27E+00	6.26E-01	5.99E-04	6.26E-01	3.66E+01	2.68E-03	5.84E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	9390	36	0.5	8.15E-04	8.85E-02	1.95E-02	3.95E-04	7.52E+00	7.52E-04	7.52E+00	7.51E-01	7.19E-04	7.51E-01	4.40E+01	3.21E-03	7.01E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	2738.75	11	0.5	2.38E-04	2.58E-02	5.70E-03	1.15E-04	2.19E+00	2.19E-04	2.19E+00	2.19E-01	2.10E-04	2.19E-01	1.28E+01	9.37E-04	2.04E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	6260	24	0.5	5.43E-04	5.90E-02	1.30E-02	2.63E-04	5.01E+00	5.01E-04	5.01E+00	5.00E-01	4.79E-04	5.01E-01	2.93E+01	2.14E-03	4.67E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	780	3	0.5	6.77E-05	7.35E-03	1.62E-03	3.28E-05	6.25E-01	6.24E-05	6.25E-01	6.24E-02	5.97E-05	6.24E-02	3.65E+00	2.67E-04	5.82E-04
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	660	3	0.5	5.73E-05	6.22E-03	1.37E-03	2.78E-05	5.29E-01	5.28E-05	5.29E-01	5.28E-02	5.05E-05	5.28E-02	3.09E+00	2.26E-04	4.93E-04

						Vendor Starting/Evaporative Emission Factors												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission Factor (g/trip)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	10	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	4	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	2	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	15	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	6	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	7	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	6	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	4	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	6	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	10	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	4	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	15	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	9.5	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	3	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	2	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	7	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	6	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	4	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	2	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	25	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	2	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	6	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	7	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	6	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	4	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	6	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	2.5	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	31.25	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	2.5	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	18.75	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	7.5	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.75	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	7.5	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	5	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	7.5	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03

						Daily Emissions													
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	10	0.5	15	7.59E-04	2.25E-02	4.59E-03	4.71E-07	0.00E+00	5.54E-07	5.54E-07	0.00E+00	5.09E-07	5.09E-07	4.76E-02	4.54E-05	4.13E-05
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	4	0.5	15	3.04E-04	8.99E-03	1.84E-03	1.88E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.04E-07	2.04E-07	1.90E-02	1.82E-05	1.65E-05
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	0.5	15	1.90E-03	5.62E-02	1.15E-02	1.18E-06	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	1.19E-01	1.14E-04	1.03E-04
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	2	0.5	15	1.52E-04	4.49E-03	9.18E-04	9.42E-08	0.00E+00	1.11E-07	1.11E-07	0.00E+00	1.02E-07	1.02E-07	9.51E-03	9.09E-06	8.26E-06
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	15	0.5	15	1.14E-03	3.37E-02	6.88E-03	7.06E-07	0.00E+00	8.31E-07	8.31E-07	0.00E+00	7.64E-07	7.64E-07	7.14E-02	6.81E-05	6.19E-05
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	6	0.5	15	4.55E-04	1.35E-02	2.75E-03	2.82E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.85E-02	2.73E-05	2.48E-05
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	7	0.5	15	5.31E-04	1.57E-02	3.21E-03	3.30E-07	0.00E+00	3.88E-07	3.88E-07	0.00E+00	3.56E-07	3.56E-07	3.33E-02	3.18E-05	2.89E-05
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	6	0.5	15	4.55E-04	1.35E-02	2.75E-03	2.82E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.85E-02	2.73E-05	2.48E-05
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	4	0.5	15	3.04E-04	8.99E-03	1.84E-03	1.88E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.04E-07	2.04E-07	1.90E-02	1.82E-05	1.65E-05
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	6	0.5	15	4.55E-04	1.35E-02	2.75E-03	2.82E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.85E-02	2.73E-05	2.48E-05
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	10	0.5	15	7.35E-04	2.25E-02	4.45E-03	4.59E-07	0.00E+00	5.52E-07	5.52E-07	0.00E+00	5.07E-07	5.07E-07	4.64E-02	4.45E-05	4.10E-05
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	4	0.5	15	2.94E-04	9.00E-03	1.78E-03	1.84E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.03E-07	2.03E-07	1.86E-02	1.78E-05	1.64E-05
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	0.5	15	1.84E-03	5.62E-02	1.11E-02	1.15E-06	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	1.16E-01	1.11E-04	1.02E-04
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	0.5	15	1.47E-04	4.50E-03	8.89E-04	9.19E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.01E-07	1.01E-07	9.28E-03	8.90E-06	8.20E-06
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	15	0.5	15	1.10E-03	3.37E-02	6.67E-03	6.89E-07	0.00E+00	8.28E-07	8.28E-07	0.00E+00	7.61E-07	7.61E-07	6.96E-02	6.68E-05	6.15E-05
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	0.5	15	4.41E-04	1.35E-02	2.67E-03	2.76E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.78E-02	2.67E-05	2.46E-05
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	0.5	15	5.15E-04	1.57E-02	3.11E-03	3.21E-07	0.00E+00	3.86E-07	3.86E-07	0.00E+00	3.55E-07	3.55E-07	3.25E-02	3.12E-05	2.87E-05
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	0.5	15	4.41E-04	1.35E-02	2.67E-03	2.76E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.78E-02	2.67E-05	2.46E-05
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	0.5	15	2.94E-04	9.00E-03	1.78E-03	1.84E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.03E-07	2.03E-07	1.86E-02	1.78E-05	1.64E-05
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	0.5	15	4.41E-04	1.35E-02	2.67E-03	2.76E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.78E-02	2.67E-05	2.46E-05
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	9.5	0.5	15	6.80E-04	2.14E-02	4.12E-03	4.27E-07	0.00E+00	5.24E-07	5.24E-07	0.00E+00	4.82E-07	4.82E-07	4.32E-02	4.17E-05	3.88E-05
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	3	0.5	15	2.15E-04	6.75E-03	1.30E-03	1.35E-07	0.00E+00	1.65E-07	1.65E-07	0.00E+00	1.52E-07	1.52E-07	1.36E-02	1.32E-05	1.22E-05
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	0.5	15	1.79E-03	5.63E-02	1.08E-02	1.12E-06	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	1.14E-01	1.10E-04	1.02E-04
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	2	0.5	15	1.43E-04	4.50E-03	8.67E-04	9.00E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.01E-07	1.01E-07	9.09E-03	8.78E-06	8.16E-06
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	0.5	15	1.07E-03	3.38E-02	6.50E-03	6.75E-07	0.00E+00	8.27E-07	8.27E-07	0.00E+00	7.60E-07	7.60E-07	6.82E-02	6.58E-05	6.12E-05
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	0.5	15	4.30E-04	1.35E-02	2.60E-03	2.70E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.73E-02	2.63E-05	2.45E-05
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	7	0.5	15	5.01E-04	1.58E-02	3.03E-03	3.15E-07	0.00E+00	3.86E-07	3.86E-07	0.00E+00	3.55E-07	3.55E-07	3.18E-02	3.07E-05	2.86E-05
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	6	0.5	15	4.30E-04	1.35E-02	2.60E-03	2.70E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.73E-02	2.63E-05	2.45E-05
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	4	0.5	15	2.86E-04	9.01E-03	1.73E-03	1.80E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.03E-07	2.03E-07	1.82E-02	1.76E-05	1.63E-05
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	0.5	15	4.30E-04	1.35E-02	2.60E-03	2.70E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.73E-02	2.63E-05	2.45E-05
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	2	0.5	15	1.40E-04	4.51E-03	8.49E-04	8.84E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.02E-07	1.02E-07	8.94E-03	8.68E-06	8.15E-06
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	25	0.5	15	1.75E-03	5.63E-02	1.06E-02	1.11E-06	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	1.12E-01	1.09E-04	1.02E-04
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	2	0.5	15	1.40E-04	4.51E-03	8.49E-04	8.84E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.02E-07	1.02E-07	8.94E-03	8.68E-06	8.15E-06
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	0.5	15	1.05E-03	3.38E-02	6.37E-03	6.63E-07	0.00E+00	8.28E-07	8.28E-07	0.00E+00	7.61E-07	7.61E-07	6.70E-02	6.51E-05	6.11E-05
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	6	0.5	15	4.20E-04	1.35E-02	2.55E-03	2.65E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.05E-07	3.05E-07	2.68E-02	2.61E-05	2.44E-05
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	7	0.5	15	4.90E-04	1.58E-02	2.97E-03	3.09E-07	0.00E+00	3.86E-07	3.86E-07	0.00E+00	3.55E-07	3.55E-07	3.13E-02	3.04E-05	2.85E-05
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	6	0.5	15	4.20E-04	1.35E-02	2.55E-03	2.65E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.05E-07	3.05E-07	2.68E-02	2.61E-05	2.44E-05
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	4	0.5	15	2.80E-04	9.01E-03	1.70E-03	1.77E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.03E-07	2.03E-07	1.79E-02	1.74E-05	1.63E-05
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	6	0.5	15	4.20E-04	1.35E-02	2.55E-03	2.65E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.05E-07	3.05E-07	2.68E-02	2.61E-05	2.44E-05
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	2.5	0.5	15	1.71E-04	5.64E-03	1.04E-03	1.09E-07	0.00E+00	1.38E-07	1.38E-07	0.00E+00	1.27E-07	1.27E-07	1.10E-02	1.08E-05	1.02E-05
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	31.25	0.5	15	2.14E-03	7.04E-02	1.30E-02	1.36E-06	0.00E+00	1.73E-06	1.73E-06	0.00E+00	1.59E-06	1.59E-06	1.37E-01	1.34E-04	1.27E-04
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	2.5	0.5	15	1.71E-04	5.64E-03	1.04E-03	1.09E-07	0.00E+00	1.38E-07	1.38E-07	0.00E+00	1.27E-07	1.27E-07	1.10E-02	1.08E-05	1.02E-05
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	18.75	0.5	15	1.29E-03	4.23E-02	7.80E-03	8.15E-07	0.00E+00	1.04E-06	1.04E-06	0.00E+00	9.54E-07	9.54E-07	8.24E-02	8.06E-05	7.63E-05
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	7.5	0.5	15	5.14E-04	1.69E-02	3.12E-03	3.26E-07	0.00E+00	4.15E-07	4.15E-07	0.00E+00	3.81E-07	3.81E-07	3.30E-02	3.23E-05	3.05E-05
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.75	0.5	15	6.00E-04	1.97E-02	3.64E-03	3.80E-07	0.00E+00	4.84E-07	4.84E-07	0.00E+00	4.45E-07	4.45E-07	3.84E-02	3.76E-05	3.56E-05
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	7.5	0.5	15	5.14E-04	1.69E-02	3.12E-03	3.26E-07	0.00E+00	4.15E-07	4.15E-07	0.00E+00	3.81E-07	3.81E-07	3.30E-02	3.23E-05	3.05E-05
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	5	0.5	15	3.43E-04	1.13E-02	2.08E-03	2.17E-07	0.00E+00	2.77E-07	2.77E-07	0.00E+00	2.54E-07	2.54E-07	2.20E-02	2.15E-05	2.03E-05
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	7.5	0.5	15	5.14E-04	1.69E-02	3.12E-03	3.26E-07	0.00E+00	4.15E-07	4.15E-07	0.00E+00	3.81E-07	3.81E-07	3.30E-02	3.23E-05	3.05E-05

						Vendor Idling Emission Factors												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission Factor (g/min)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	10	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	4	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	2	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	15	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	6	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	7	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	6	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	4	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	6	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	10	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	4	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	15	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	9.5	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	3	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	2	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	7	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	6	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	4	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	2	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	25	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	2	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	6	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	7	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	6	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	4	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	6	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	2.5	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	31.25	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	2.5	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	18.75	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	7.5	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.75	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	7.5	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	5	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	7.5	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	10	0.5	15	1.65E-01	6.16E-04	5.17E-03	1.01E-02	1.02E-05	0.00E+00	2.14E-06	2.14E-06	0.00E+00	2.05E-06	2.05E-06	1.08E+00	6.69E-05
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	4	0.5	15	6.61E-02	2.47E-04	2.07E-03	4.05E-03	4.10E-06	0.00E+00	8.57E-07	8.57E-07	0.00E+00	8.20E-07	8.20E-07	4.33E-01	2.68E-05
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	0.5	15	4.13E-01	1.54E-03	1.29E-02	2.53E-02	2.56E-05	0.00E+00	5.36E-06	5.36E-06	0.00E+00	5.12E-06	5.12E-06	2.71E+00	1.67E-04
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	2	0.5	15	3.31E-02	1.23E-04	1.03E-03	2.03E-03	2.05E-06	0.00E+00	4.28E-07	4.28E-07	0.00E+00	4.10E-07	4.10E-07	2.16E-01	1.34E-05
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	15	0.5	15	2.48E-01	9.25E-04	7.75E-03	1.52E-02	1.54E-05	0.00E+00	3.21E-06	3.21E-06	0.00E+00	3.07E-06	3.07E-06	1.62E+00	1.00E-04
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	6	0.5	15	9.92E-02	3.70E-04	3.10E-03	6.08E-03	6.15E-06	0.00E+00	1.29E-06	1.29E-06	0.00E+00	1.23E-06	1.23E-06	6.49E-01	4.02E-05
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	7	0.5	15	1.16E-01	4.31E-04	3.62E-03	7.09E-03	7.17E-06	0.00E+00	1.50E-06	1.50E-06	0.00E+00	1.43E-06	1.43E-06	7.58E-01	4.68E-05
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	6	0.5	15	9.92E-02	3.70E-04	3.10E-03	6.08E-03	6.15E-06	0.00E+00	1.29E-06	1.29E-06	0.00E+00	1.23E-06	1.23E-06	6.49E-01	4.02E-05
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	4	0.5	15	6.61E-02	2.47E-04	2.07E-03	4.05E-03	4.10E-06	0.00E+00	8.57E-07	8.57E-07	0.00E+00	8.20E-07	8.20E-07	4.33E-01	2.68E-05
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	6	0.5	15	9.92E-02	3.70E-04	3.10E-03	6.08E-03	6.15E-06	0.00E+00	1.29E-06	1.29E-06	0.00E+00	1.23E-06	1.23E-06	6.49E-01	4.02E-05
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	10	0.5	15	1.65E-01	6.13E-04	5.13E-03	1.01E-02	1.01E-05	0.00E+00	2.02E-06	2.02E-06	0.00E+00	1.93E-06	1.93E-06	1.07E+00	6.67E-05
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	4	0.5	15	6.61E-02	2.45E-04	2.05E-03	4.03E-03	4.04E-06	0.00E+00	8.08E-07	8.08E-07	0.00E+00	7.74E-07	7.74E-07	4.27E-01	2.67E-05
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	0.5	15	4.13E-01	1.53E-03	1.28E-02	2.52E-02	2.52E-05	0.00E+00	5.05E-06	5.05E-06	0.00E+00	4.83E-06	4.83E-06	2.67E+00	1.67E-04
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	0.5	15	3.31E-02	1.23E-04	1.03E-03	2.02E-03	2.02E-06	0.00E+00	4.04E-07	4.04E-07	0.00E+00	3.87E-07	3.87E-07	2.13E-01	1.33E-05
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	15	0.5	15	2.48E-01	9.19E-04	7.70E-03	1.51E-02	1.51E-05	0.00E+00	3.03E-06	3.03E-06	0.00E+00	2.90E-06	2.90E-06	1.60E+00	1.00E-04
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	0.5	15	9.92E-02	3.68E-04	3.08E-03	6.05E-03	6.06E-06	0.00E+00	1.21E-06	1.21E-06	0.00E+00	1.16E-06	1.16E-06	6.40E-01	4.00E-05
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	0.5	15	1.16E-01	4.29E-04	3.59E-03	7.06E-03	7.07E-06	0.00E+00	1.41E-06	1.41E-06	0.00E+00	1.35E-06	1.35E-06	7.47E-01	4.67E-05
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	0.5	15	9.92E-02	3.68E-04	3.08E-03	6.05E-03	6.06E-06	0.00E+00	1.21E-06	1.21E-06	0.00E+00	1.16E-06	1.16E-06	6.40E-01	4.00E-05
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	0.5	15	6.61E-02	2.45E-04	2.05E-03	4.03E-03	4.04E-06	0.00E+00	8.08E-07	8.08E-07	0.00E+00	7.74E-07	7.74E-07	4.27E-01	2.67E-05
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	0.5	15	9.92E-02	3.68E-04	3.08E-03	6.05E-03	6.06E-06	0.00E+00	1.21E-06	1.21E-06	0.00E+00	1.16E-06	1.16E-06	6.40E-01	4.00E-05
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	9.5	0.5	15	1.57E-01	5.80E-04	4.85E-03	9.56E-03	9.45E-06	0.00E+00	1.84E-06	1.84E-06	0.00E+00	1.76E-06	1.76E-06	9.99E-01	6.33E-05
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	3	0.5	15	4.96E-02	1.83E-04	1.53E-03	3.02E-03	2.98E-06	0.00E+00	5.81E-07	5.81E-07	0.00E+00	5.55E-07	5.55E-07	3.16E-01	2.00E-05
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	0.5	15	4.13E-01	1.53E-03	1.28E-02	2.52E-02	2.49E-05	0.00E+00	4.84E-06	4.84E-06	0.00E+00	4.63E-06	4.63E-06	2.63E+00	1.67E-04
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	2	0.5	15	3.31E-02	1.22E-04	1.02E-03	2.01E-03	1.99E-06	0.00E+00	3.87E-07	3.87E-07	0.00E+00	3.70E-07	3.70E-07	2.10E-01	1.33E-05
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	0.5	15	2.48E-01	9.15E-04	7.66E-03	1.51E-02	1.49E-05	0.00E+00	2.90E-06	2.90E-06	0.00E+00	2.78E-06	2.78E-06	1.58E+00	9.99E-05
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	0.5	15	9.92E-02	3.66E-04	3.06E-03	6.04E-03	5.97E-06	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.11E-06	1.11E-06	6.31E-01	4.00E-05
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	7	0.5	15	1.16E-01	4.27E-04	3.57E-03	7.05E-03	6.96E-06	0.00E+00	1.35E-06	1.35E-06	0.00E+00	1.30E-06	1.30E-06	7.36E-01	4.66E-05
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	6	0.5	15	9.92E-02	3.66E-04	3.06E-03	6.04E-03	5.97E-06	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.11E-06	1.11E-06	6.31E-01	4.00E-05
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	4	0.5	15	6.61E-02	2.44E-04	2.04E-03	4.03E-03	3.98E-06	0.00E+00	7.74E-07	7.74E-07	0.00E+00	7.41E-07	7.41E-07	4.21E-01	2.66E-05
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	0.5	15	9.92E-02	3.66E-04	3.06E-03	6.04E-03	5.97E-06	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.11E-06	1.11E-06	6.31E-01	4.00E-05
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	2	0.5	15	3.31E-02	1.22E-04	1.02E-03	2.01E-03	1.96E-06	0.00E+00	3.73E-07	3.73E-07	0.00E+00	3.57E-07	3.57E-07	2.08E-01	1.33E-05
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	25	0.5	15	4.13E-01	1.52E-03	1.27E-02	2.51E-02	2.45E-05	0.00E+00	4.66E-06	4.66E-06	0.00E+00	4.46E-06	4.46E-06	2.60E+00	1.67E-04
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	2	0.5	15	3.31E-02	1.22E-04	1.02E-03	2.01E-03	1.96E-06	0.00E+00	3.73E-07	3.73E-07	0.00E+00	3.57E-07	3.57E-07	2.08E-01	1.33E-05
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	0.5	15	2.48E-01	9.13E-04	7.62E-03	1.51E-02	1.47E-05	0.00E+00	2.80E-06	2.80E-06	0.00E+00	2.68E-06	2.68E-06	1.56E+00	1.00E-04
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	6	0.5	15	9.92E-02	3.65E-04	3.05E-03	6.03E-03	5.89E-06	0.00E+00	1.12E-06	1.12E-06	0.00E+00	1.07E-06	1.07E-06	6.23E-01	4.00E-05
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	7	0.5	15	1.16E-01	4.26E-04	3.56E-03	7.04E-03	6.87E-06	0.00E+00	1.31E-06	1.31E-06	0.00E+00	1.25E-06	1.25E-06	7.27E-01	4.67E-05
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	6	0.5	15	9.92E-02	3.65E-04	3.05E-03	6.03E-03	5.89E-06	0.00E+00	1.12E-06	1.12E-06	0.00E+00	1.07E-06	1.07E-06	6.23E-01	4.00E-05
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	4	0.5	15	6.61E-02	2.44E-04	2.03E-03	4.02E-03	3.93E-06	0.00E+00	7.46E-07	7.46E-07	0.00E+00	7.14E-07	7.14E-07	4.15E-01	2.67E-05
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	6	0.5	15	9.92E-02	3.65E-04	3.05E-03	6.03E-03	5.89E-06	0.00E+00	1.12E-06	1.12E-06	0.00E+00	1.07E-06	1.07E-06	6.23E-01	4.00E-05
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	2.5	0.5	15	4.13E-02	1.52E-04	1.26E-03	2.51E-03	2.42E-06	0.00E+00	4.51E-07	4.51E-07	0.00E+00	4.31E-07	4.31E-07	2.56E-01	1.67E-05
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	31.25	0.5	15	5.17E-01	1.90E-03	1.58E-02	3.14E-02	3.03E-05	0.00E+00	5.64E-06	5.64E-06	0.00E+00	5.39E-06	5.39E-06	3.20E+00	2.08E-04
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	2.5	0.5	15	4.13E-02	1.52E-04	1.26E-03	2.51E-03	2.42E-06	0.00E+00	4.51E-07	4.51E-07	0.00E+00	4.31E-07	4.31E-07	2.56E-01	1.67E-05
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	18.75	0.5	15	3.10E-01	1.14E-03	9.48E-03	1.88E-02	1.82E-05	0.00E+00	3.38E-06	3.38E-06	0.00E+00	3.24E-06	3.24E-06	1.92E+00	1.25E-04
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	7.5	0.5	15	1.24E-01	4.56E-04	3.79E-03	7.53E-03	7.27E-06	0.00E+00	1.35E-06	1.35E-06	0.00E+00	1.29E-06	1.29E-06	7.69E-01	5.00E-05
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.75	0.5	15	1.45E-01	5.31E-04	4.42E-03	8.79E-03	8.48E-06	0.00E+00	1.58E-06	1.58E-06	0.00E+00	1.51E-06	1.51E-06	8.97E-01	5.83E-05
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	7.5	0.5	15	1.24E-01	4.56E-04	3.79E-03	7.53E-03	7.27E-06	0.00E+00	1.35E-06	1.35E-06	0.00E+00	1.29E-06	1.29E-06	7.69E-01	5.00E-05
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	5	0.5	15	8.27E-02	3.04E-04	2.53E-03	5.02E-03	4.85E-06	0.00E+00	9.02E-07	9.02E-07	0.00E+00	8.63E-07	8.63E-07	5.13E-01	3.33E-05
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	7.5	0.5	15	1.24E-01	4.56E-04	3.79E-03	7.53E-03	7.27E-06	0.00E+00	1.35E-06	1.35E-06	0.00E+00	1.29E-06	1.29E-06	7.69E-01	5.00E-05

						Vendor Running Emission Factors												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission Factor (g/mile)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	10	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	4	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	2	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	15	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	6	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	7	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	6	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	4	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	6	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	10	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	4	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	15	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	9.5	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	3	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	2	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	7	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	6	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	4	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	2	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	25	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	2	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	6	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	7	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	6	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	4	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	6	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	2.5	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	31.25	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	2.5	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	18.75	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	7.5	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.75	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	7.5	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	5	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	7.5	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	10	0.5	15	1.66E-04	1.84E-02	3.24E-03	1.06E-04	2.08	1.33E-03	2.08E+00	2.08E-01	1.40E-04	2.08E-01	1.15E+01	4.43E-04	1.66E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	4	0.5	15	6.64E-05	7.36E-03	1.30E-03	4.23E-05	0.83	5.31E-04	8.33E-01	8.32E-02	5.61E-05	8.33E-02	4.58E+00	1.77E-04	6.63E-04
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	0.5	15	4.15E-04	4.60E-02	8.11E-03	2.65E-04	5.21	3.32E-03	5.21E+00	5.20E-01	3.51E-04	5.20E-01	2.86E+01	1.11E-03	4.14E-03
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	2	0.5	15	3.32E-05	3.68E-03	6.49E-04	2.12E-05	0.42	2.66E-04	4.17E-01	4.16E-02	2.80E-05	4.16E-02	2.29E+00	8.87E-05	3.31E-04
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	15	0.5	15	2.49E-04	2.76E-02	4.86E-03	1.59E-04	3.12	1.99E-03	3.13E+00	3.12E-01	2.10E-04	3.12E-01	1.72E+01	6.65E-04	2.48E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	6	0.5	15	9.96E-05	1.10E-02	1.95E-03	6.35E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.41E-05	1.25E-01	6.87E+00	2.66E-04	9.94E-04
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	7	0.5	15	1.16E-04	1.29E-02	2.27E-03	7.41E-05	1.46	9.30E-04	1.46E+00	1.46E-01	9.82E-05	1.46E-01	8.02E+00	3.10E-04	1.16E-03
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	6	0.5	15	9.96E-05	1.10E-02	1.95E-03	6.35E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.41E-05	1.25E-01	6.87E+00	2.66E-04	9.94E-04
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	4	0.5	15	6.64E-05	7.36E-03	1.30E-03	4.23E-05	0.83	5.31E-04	8.33E-01	8.32E-02	5.61E-05	8.33E-02	4.58E+00	1.77E-04	6.63E-04
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	6	0.5	15	9.96E-05	1.10E-02	1.95E-03	6.35E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.41E-05	1.25E-01	6.87E+00	2.66E-04	9.94E-04
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	10	0.5	15	1.63E-04	1.83E-02	3.24E-03	1.04E-04	2.08	1.33E-03	2.08E+00	2.08E-01	1.37E-04	2.08E-01	1.12E+01	4.45E-04	1.63E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	4	0.5	15	6.51E-05	7.32E-03	1.30E-03	4.16E-05	0.83	5.31E-04	8.33E-01	8.32E-02	5.47E-05	8.33E-02	4.50E+00	1.78E-04	6.51E-04
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	0.5	15	4.07E-04	4.58E-02	8.11E-03	2.60E-04	5.21	3.32E-03	5.21E+00	5.20E-01	3.42E-04	5.20E-01	2.81E+01	1.11E-03	4.07E-03
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	0.5	15	3.26E-05	3.66E-03	6.49E-04	2.08E-05	0.42	2.66E-04	4.17E-01	4.16E-02	2.74E-05	4.16E-02	2.25E+00	8.89E-05	3.25E-04
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	15	0.5	15	2.44E-04	2.75E-02	4.87E-03	1.56E-04	3.12	1.99E-03	3.13E+00	3.12E-01	2.05E-04	3.12E-01	1.69E+01	6.67E-04	2.44E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	0.5	15	9.77E-05	1.10E-02	1.95E-03	6.23E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.21E-05	1.25E-01	6.75E+00	2.67E-04	9.76E-04
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	0.5	15	1.14E-04	1.28E-02	2.27E-03	7.27E-05	1.46	9.30E-04	1.46E+00	1.46E-01	9.57E-05	1.46E-01	7.87E+00	3.11E-04	1.14E-03
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	0.5	15	9.77E-05	1.10E-02	1.95E-03	6.23E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.21E-05	1.25E-01	6.75E+00	2.67E-04	9.76E-04
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	0.5	15	6.51E-05	7.32E-03	1.30E-03	4.16E-05	0.83	5.31E-04	8.33E-01	8.32E-02	5.47E-05	8.33E-02	4.50E+00	1.78E-04	6.51E-04
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	0.5	15	9.77E-05	1.10E-02	1.95E-03	6.23E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.21E-05	1.25E-01	6.75E+00	2.67E-04	9.76E-04
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	9.5	0.5	15	1.52E-04	1.73E-02	3.08E-03	9.71E-05	1.98	1.26E-03	1.98E+00	1.98E-01	1.29E-04	1.98E-01	1.05E+01	4.24E-04	1.52E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	3	0.5	15	4.81E-05	5.45E-03	9.73E-04	3.07E-05	0.62	3.99E-04	6.25E-01	6.24E-02	4.08E-05	6.24E-02	3.32E+00	1.34E-04	4.80E-04
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	0.5	15	4.01E-04	4.54E-02	8.11E-03	2.55E-04	5.21	3.32E-03	5.21E+00	5.20E-01	3.40E-04	5.20E-01	2.77E+01	1.12E-03	4.00E-03
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	2	0.5	15	3.21E-05	3.64E-03	6.48E-04	2.04E-05	0.42	2.66E-04	4.17E-01	4.16E-02	2.72E-05	4.16E-02	2.21E+00	8.92E-05	3.20E-04
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	0.5	15	2.41E-04	2.73E-02	4.86E-03	1.53E-04	3.12	1.99E-03	3.13E+00	3.12E-01	2.04E-04	3.12E-01	1.66E+01	6.69E-04	2.40E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	0.5	15	9.63E-05	1.09E-02	1.95E-03	6.13E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.17E-05	1.25E-01	6.64E+00	2.68E-04	9.61E-04
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	7	0.5	15	1.12E-04	1.27E-02	2.27E-03	7.15E-05	1.46	9.30E-04	1.46E+00	1.46E-01	9.53E-05	1.46E-01	7.75E+00	3.12E-04	1.12E-03
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	6	0.5	15	9.63E-05	1.09E-02	1.95E-03	6.13E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.17E-05	1.25E-01	6.64E+00	2.68E-04	9.61E-04
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	4	0.5	15	6.42E-05	7.27E-03	1.30E-03	4.09E-05	0.83	5.31E-04	8.33E-01	8.32E-02	5.45E-05	8.33E-02	4.43E+00	1.78E-04	6.41E-04
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	0.5	15	9.63E-05	1.09E-02	1.95E-03	6.13E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.17E-05	1.25E-01	6.64E+00	2.68E-04	9.61E-04
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	2	0.5	15	3.17E-05	3.61E-03	6.48E-04	2.01E-05	0.42	2.66E-04	4.17E-01	4.16E-02	2.71E-05	4.16E-02	2.18E+00	8.95E-05	3.16E-04
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	25	0.5	15	3.96E-04	4.52E-02	8.10E-03	2.52E-04	5.21	3.32E-03	5.21E+00	5.20E-01	3.39E-04	5.20E-01	2.73E+01	1.12E-03	3.95E-03
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	2	0.5	15	3.17E-05	3.61E-03	6.48E-04	2.01E-05	0.42	2.66E-04	4.17E-01	4.16E-02	2.71E-05	4.16E-02	2.18E+00	8.95E-05	3.16E-04
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	0.5	15	2.38E-04	2.71E-02	4.86E-03	1.51E-04	3.12	1.99E-03	3.13E+00	3.12E-01	2.03E-04	3.12E-01	1.64E+01	6.71E-04	2.37E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	6	0.5	15	9.51E-05	1.08E-02	1.94E-03	6.04E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.13E-05	1.25E-01	6.54E+00	2.68E-04	9.47E-04
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	7	0.5	15	1.11E-04	1.26E-02	2.27E-03	7.04E-05	1.46	9.30E-04	1.46E+00	1.46E-01	9.49E-05	1.46E-01	7.63E+00	3.13E-04	1.11E-03
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	6	0.5	15	9.51E-05	1.08E-02	1.94E-03	6.04E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.13E-05	1.25E-01	6.54E+00	2.68E-04	9.47E-04
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	4	0.5	15	6.34E-05	7.23E-03	1.30E-03	4.03E-05	0.83	5.31E-04	8.33E-01	8.32E-02	5.42E-05	8.33E-02	4.36E+00	1.79E-04	6.31E-04
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	6	0.5	15	9.51E-05	1.08E-02	1.94E-03	6.04E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.13E-05	1.25E-01	6.54E+00	2.68E-04	9.47E-04
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	2.5	0.5	15	3.92E-05	4.49E-03	8.10E-04	2.48E-05	0.52	3.32E-04	5.21E-01	5.20E-02	3.37E-05	5.20E-02	2.69E+00	1.12E-04	3.89E-04
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	31.25	0.5	15	4.90E-04	5.61E-02	1.01E-02	3.10E-04	6.51	4.15E-03	6.51E+00	6.50E-01	4.21E-04	6.50E-01	3.36E+01	1.40E-03	4.87E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	2.5	0.5	15	3.92E-05	4.49E-03	8.10E-04	2.48E-05	0.52	3.32E-04	5.21E-01	5.20E-02	3.37E-05	5.20E-02	2.69E+00	1.12E-04	3.89E-04
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	18.75	0.5	15	2.94E-04	3.36E-02	6.08E-03	1.86E-04	3.90	2.49E-03	3.91E+00	3.90E-01	2.53E-04	3.90E-01	2.02E+01	8.41E-04	2.92E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	7.5	0.5	15	1.18E-04	1.35E-02	2.43E-03	7.44E-05	1.56	9.96E-04	1.56E+00	1.56E-01	1.01E-04	1.56E-01	8.06E+00	3.36E-04	1.17E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.75	0.5	15	1.37E-04	1.57E-02	2.84E-03	8.68E-05	1.82	1.16E-03	1.82E+00	1.82E-01	1.18E-04	1.82E-01	9.41E+00	3.92E-04	1.36E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	7.5	0.5	15	1.18E-04	1.35E-02	2.43E-03	7.44E-05	1.56	9.96E-04	1.56E+00	1.56E-01	1.01E-04	1.56E-01	8.06E+00	3.36E-04	1.17E-03
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	5	0.5	15	7.84E-05	8.97E-03	1.62E-03	4.96E-05	1.04	6.64E-04	1.04E+00	1.04E-01	6.74E-05	1.04E-01	5.37E+00	2.24E-04	7.78E-04
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	7.5	0.5	15	1.18E-04	1.35E-02	2.43E-03	7.44E-05	1.56	9.96E-04	1.56E+00	1.56E-01	1.01E-04	1.56E-01	8.06E+00	3.36E-04	1.17E-03

					Worker Starting/Evaporative Emission Factors												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission Factor (g/trip)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	25	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	10	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	10	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	10	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	25	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	15	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	40	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	25	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	10	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	10	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	10	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	25	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	40	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	25	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	25	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	10	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	10	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	10	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	25	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	18.75	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	50	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	31.25	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	31.25	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	18.75	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	12.5	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	12.5	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	12.5	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	31.25	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	0.5	3.14E-02	7.53E-03	9.47E-02	2.56E-05	0.00E+00	7.38E-05	7.38E-05	0.00E+00	6.79E-05	6.79E-05	2.59E+00	1.80E-03	1.10E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	0.5	9.43E-03	2.26E-03	2.84E-02	7.69E-06	0.00E+00	2.21E-05	2.21E-05	0.00E+00	2.04E-05	2.04E-05	7.77E-01	5.39E-04	3.31E-04
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	0.5	2.52E-02	6.03E-03	7.58E-02	2.05E-05	0.00E+00	5.90E-05	5.90E-05	0.00E+00	5.43E-05	5.43E-05	2.07E+00	1.44E-03	8.82E-04
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	25	0.5	1.57E-02	3.77E-03	4.74E-02	1.28E-05	0.00E+00	3.69E-05	3.69E-05	0.00E+00	3.39E-05	3.39E-05	1.30E+00	8.98E-04	5.51E-04
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	0.5	1.57E-02	3.77E-03	4.74E-02	1.28E-05	0.00E+00	3.69E-05	3.69E-05	0.00E+00	3.39E-05	3.39E-05	1.30E+00	8.98E-04	5.51E-04
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	0.5	9.43E-03	2.26E-03	2.84E-02	7.69E-06	0.00E+00	2.21E-05	2.21E-05	0.00E+00	2.04E-05	2.04E-05	7.77E-01	5.39E-04	3.31E-04
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	10	0.5	6.29E-03	1.51E-03	1.89E-02	5.13E-06	0.00E+00	1.48E-05	1.48E-05	0.00E+00	1.36E-05	1.36E-05	5.18E-01	3.59E-04	2.21E-04
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	10	0.5	6.29E-03	1.51E-03	1.89E-02	5.13E-06	0.00E+00	1.48E-05	1.48E-05	0.00E+00	1.36E-05	1.36E-05	5.18E-01	3.59E-04	2.21E-04
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	10	0.5	6.29E-03	1.51E-03	1.89E-02	5.13E-06	0.00E+00	1.48E-05	1.48E-05	0.00E+00	1.36E-05	1.36E-05	5.18E-01	3.59E-04	2.21E-04
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	25	0.5	1.57E-02	3.77E-03	4.74E-02	1.28E-05	0.00E+00	3.69E-05	3.69E-05	0.00E+00	3.39E-05	3.39E-05	1.30E+00	8.98E-04	5.51E-04
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	0.5	2.95E-02	7.24E-03	9.24E-02	2.51E-05	0.00E+00	6.95E-05	6.95E-05	0.00E+00	6.39E-05	6.39E-05	2.53E+00	1.69E-03	1.08E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	0.5	8.86E-03	2.17E-03	2.77E-02	7.52E-06	0.00E+00	2.08E-05	2.08E-05	0.00E+00	1.92E-05	1.92E-05	7.60E-01	5.07E-04	3.23E-04
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	0.5	2.36E-02	5.79E-03	7.39E-02	2.01E-05	0.00E+00	5.56E-05	5.56E-05	0.00E+00	5.11E-05	5.11E-05	2.03E+00	1.35E-03	8.62E-04
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	0.5	1.48E-02	3.62E-03	4.62E-02	1.25E-05	0.00E+00	3.47E-05	3.47E-05	0.00E+00	3.19E-05	3.19E-05	1.27E+00	8.44E-04	5.39E-04
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	0.5	1.48E-02	3.62E-03	4.62E-02	1.25E-05	0.00E+00	3.47E-05	3.47E-05	0.00E+00	3.19E-05	3.19E-05	1.27E+00	8.44E-04	5.39E-04
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	0.5	8.86E-03	2.17E-03	2.77E-02	7.52E-06	0.00E+00	2.08E-05	2.08E-05	0.00E+00	1.92E-05	1.92E-05	7.60E-01	5.07E-04	3.23E-04
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	0.5	5.90E-03	1.45E-03	1.85E-02	5.02E-06	0.00E+00	1.39E-05	1.39E-05	0.00E+00	1.28E-05	1.28E-05	5.07E-01	3.38E-04	2.16E-04
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	0.5	5.90E-03	1.45E-03	1.85E-02	5.02E-06	0.00E+00	1.39E-05	1.39E-05	0.00E+00	1.28E-05	1.28E-05	5.07E-01	3.38E-04	2.16E-04
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	0.5	5.90E-03	1.45E-03	1.85E-02	5.02E-06	0.00E+00	1.39E-05	1.39E-05	0.00E+00	1.28E-05	1.28E-05	5.07E-01	3.38E-04	2.16E-04
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	0.5	1.48E-02	3.62E-03	4.62E-02	1.25E-05	0.00E+00	3.47E-05	3.47E-05	0.00E+00	3.19E-05	3.19E-05	1.27E+00	8.44E-04	5.39E-04
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	0.5	2.78E-02	7.00E-03	9.03E-02	2.46E-05	0.00E+00	6.54E-05	6.54E-05	0.00E+00	6.01E-05	6.01E-05	2.48E+00	1.59E-03	1.06E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	15	0.5	8.34E-03	2.10E-03	2.71E-02	7.38E-06	0.00E+00	1.96E-05	1.96E-05	0.00E+00	1.80E-05	1.80E-05	7.45E-01	4.78E-04	3.17E-04
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	40	0.5	2.22E-02	5.60E-03	7.22E-02	1.97E-05	0.00E+00	5.23E-05	5.23E-05	0.00E+00	4.81E-05	4.81E-05	1.99E+00	1.27E-03	8.46E-04
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	25	0.5	1.39E-02	3.50E-03	4.51E-02	1.23E-05	0.00E+00	3.27E-05	3.27E-05	0.00E+00	3.01E-05	3.01E-05	1.24E+00	7.97E-04	5.29E-04
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	0.5	1.39E-02	3.50E-03	4.51E-02	1.23E-05	0.00E+00	3.27E-05	3.27E-05	0.00E+00	3.01E-05	3.01E-05	1.24E+00	7.97E-04	5.29E-04
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	0.5	8.34E-03	2.10E-03	2.71E-02	7.38E-06	0.00E+00	1.96E-05	1.96E-05	0.00E+00	1.80E-05	1.80E-05	7.45E-01	4.78E-04	3.17E-04
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	10	0.5	5.56E-03	1.40E-03	1.81E-02	4.92E-06	0.00E+00	1.31E-05	1.31E-05	0.00E+00	1.20E-05	1.20E-05	4.97E-01	3.19E-04	2.12E-04
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	10	0.5	5.56E-03	1.40E-03	1.81E-02	4.92E-06	0.00E+00	1.31E-05	1.31E-05	0.00E+00	1.20E-05	1.20E-05	4.97E-01	3.19E-04	2.12E-04
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	10	0.5	5.56E-03	1.40E-03	1.81E-02	4.92E-06	0.00E+00	1.31E-05	1.31E-05	0.00E+00	1.20E-05	1.20E-05	4.97E-01	3.19E-04	2.12E-04
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	25	0.5	1.39E-02	3.50E-03	4.51E-02	1.23E-05	0.00E+00	3.27E-05	3.27E-05	0.00E+00	3.01E-05	3.01E-05	1.24E+00	7.97E-04	5.29E-04
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	0.5	7.88E-03	2.04E-03	2.65E-02	7.24E-06	0.00E+00	1.85E-05	1.85E-05	0.00E+00	1.70E-05	1.70E-05	7.32E-01	4.53E-04	3.12E-04
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	40	0.5	2.10E-02	5.44E-03	7.07E-02	1.93E-05	0.00E+00	4.93E-05	4.93E-05	0.00E+00	4.53E-05	4.53E-05	1.95E+00	1.21E-03	8.33E-04
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	25	0.5	1.31E-02	3.40E-03	4.42E-02	1.21E-05	0.00E+00	3.08E-05	3.08E-05	0.00E+00	2.83E-05	2.83E-05	1.22E+00	7.55E-04	5.20E-04
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	25	0.5	1.31E-02	3.40E-03	4.42E-02	1.21E-05	0.00E+00	3.08E-05	3.08E-05	0.00E+00	2.83E-05	2.83E-05	1.22E+00	7.55E-04	5.20E-04
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	0.5	7.88E-03	2.04E-03	2.65E-02	7.24E-06	0.00E+00	1.85E-05	1.85E-05	0.00E+00	1.70E-05	1.70E-05	7.32E-01	4.53E-04	3.12E-04
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	10	0.5	5.25E-03	1.36E-03	1.77E-02	4.83E-06	0.00E+00	1.23E-05	1.23E-05	0.00E+00	1.13E-05	1.13E-05	4.88E-01	3.02E-04	2.08E-04
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	10	0.5	5.25E-03	1.36E-03	1.77E-02	4.83E-06	0.00E+00	1.23E-05	1.23E-05	0.00E+00	1.13E-05	1.13E-05	4.88E-01	3.02E-04	2.08E-04
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	10	0.5	5.25E-03	1.36E-03	1.77E-02	4.83E-06	0.00E+00	1.23E-05	1.23E-05	0.00E+00	1.13E-05	1.13E-05	4.88E-01	3.02E-04	2.08E-04
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	25	0.5	1.31E-02	3.40E-03	4.42E-02	1.21E-05	0.00E+00	3.08E-05	3.08E-05	0.00E+00	2.83E-05	2.83E-05	1.22E+00	7.55E-04	5.20E-04
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	18.75	0.5	9.33E-03	2.49E-03	3.25E-02	8.91E-06	0.00E+00	2.18E-05	2.18E-05	0.00E+00	2.00E-05	2.00E-05	9.00E-01	5.37E-04	3.85E-04
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	50	0.5	2.49E-02	6.64E-03	8.66E-02	2.38E-05	0.00E+00	5.80E-05	5.80E-05	0.00E+00	5.34E-05	5.34E-05	2.40E+00	1.43E-03	1.03E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	31.25	0.5	1.55E-02	4.15E-03	5.41E-02	1.48E-05	0.00E+00	3.63E-05	3.63E-05	0.00E+00	3.34E-05	3.34E-05	1.50E+00	8.95E-04	6.42E-04
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	31.25	0.5	1.55E-02	4.15E-03	5.41E-02	1.48E-05	0.00E+00	3.63E-05	3.63E-05	0.00E+00	3.34E-05	3.34E-05	1.50E+00	8.95E-04	6.42E-04
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	18.75	0.5	9.33E-03	2.49E-03	3.25E-02	8.91E-06	0.00E+00	2.18E-05	2.18E-05	0.00E+00	2.00E-05	2.00E-05	9.00E-01	5.37E-04	3.85E-04
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	12.5	0.5	6.22E-03	1.66E-03	2.17E-02	5.94E-06	0.00E+00	1.45E-05	1.45E-05	0.00E+00	1.33E-05	1.33E-05	6.00E-01	3.58E-04	2.57E-04
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	12.5	0.5	6.22E-03	1.66E-03	2.17E-02	5.94E-06	0.00E+00	1.45E-05	1.45E-05	0.00E+00	1.33E-05	1.33E-05	6.00E-01	3.58E-04	2.57E-04
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	12.5	0.5	6.22E-03	1.66E-03	2.17E-02	5.94E-06	0.00E+00	1.45E-05	1.45E-05	0.00E+00	1.33E-05	1.33E-05	6.00E-01	3.58E-04	2.57E-04
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	31.25	0.5	1.55E-02	4.15E-03	5.41E-02	1.48E-05	0.00E+00	3.63E-05	3.63E-05	0.00E+00	3.34E-05	3.34E-05	1.50E+00	8.95E-04	6.42E-04

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Worker Running Emission Factors ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission Factor (g/mile)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	25	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	10	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	10	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	10	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	25	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	15	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	40	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	25	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	10	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	10	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	10	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	25	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	40	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	25	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	25	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	10	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	10	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	10	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	25	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	18.75	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	50	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	31.25	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	31.25	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	18.75	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	12.5	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	12.5	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	12.5	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	31.25	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	0.5	3.71E-04	1.63E-03	3.06E-02	1.28E-04	1.04E+01	6.46E-05	1.04E+01	1.04E+00	5.95E-05	1.04E+00	1.30E+01	9.88E-05	2.09E-04
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	0.5	1.11E-04	4.88E-04	9.19E-03	3.85E-05	3.12E+00	1.94E-05	3.12E+00	3.12E-01	1.78E-05	3.12E-01	3.89E+00	2.96E-05	6.26E-05
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	0.5	2.97E-04	1.30E-03	2.45E-02	1.03E-04	8.33E+00	5.17E-05	8.33E+00	8.31E-01	4.76E-05	8.31E-01	1.04E+01	7.90E-05	1.67E-04
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	25	0.5	1.85E-04	8.13E-04	1.53E-02	6.42E-05	5.20E+00	3.23E-05	5.20E+00	5.19E-01	2.97E-05	5.19E-01	6.49E+00	4.94E-05	1.04E-04
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	0.5	1.85E-04	8.13E-04	1.53E-02	6.42E-05	5.20E+00	3.23E-05	5.20E+00	5.19E-01	2.97E-05	5.19E-01	6.49E+00	4.94E-05	1.04E-04
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	0.5	1.11E-04	4.88E-04	9.19E-03	3.85E-05	3.12E+00	1.94E-05	3.12E+00	3.12E-01	1.78E-05	3.12E-01	3.89E+00	2.96E-05	6.26E-05
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	10	0.5	7.42E-05	3.25E-04	6.13E-03	2.57E-05	2.08E+00	1.29E-05	2.08E+00	2.08E-01	1.19E-05	2.08E-01	2.60E+00	1.98E-05	4.18E-05
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	10	0.5	7.42E-05	3.25E-04	6.13E-03	2.57E-05	2.08E+00	1.29E-05	2.08E+00	2.08E-01	1.19E-05	2.08E-01	2.60E+00	1.98E-05	4.18E-05
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	10	0.5	7.42E-05	3.25E-04	6.13E-03	2.57E-05	2.08E+00	1.29E-05	2.08E+00	2.08E-01	1.19E-05	2.08E-01	2.60E+00	1.98E-05	4.18E-05
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	25	0.5	1.85E-04	8.13E-04	1.53E-02	6.42E-05	5.20E+00	3.23E-05	5.20E+00	5.19E-01	2.97E-05	5.19E-01	6.49E+00	4.94E-05	1.04E-04
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	0.5	3.35E-04	1.50E-03	2.95E-02	1.26E-04	1.04E+01	6.07E-05	1.04E+01	1.04E+00	5.58E-05	1.04E+00	1.27E+01	9.06E-05	2.01E-04
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	0.5	1.00E-04	4.50E-04	8.85E-03	3.78E-05	3.12E+00	1.82E-05	3.12E+00	3.12E-01	1.67E-05	3.12E-01	3.82E+00	2.72E-05	6.04E-05
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	0.5	2.68E-04	1.20E-03	2.36E-02	1.01E-04	8.33E+00	4.85E-05	8.33E+00	8.31E-01	4.47E-05	8.31E-01	1.02E+01	7.25E-05	1.61E-04
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	0.5	1.67E-04	7.50E-04	1.47E-02	6.30E-05	5.20E+00	3.03E-05	5.20E+00	5.19E-01	2.79E-05	5.19E-01	6.37E+00	4.53E-05	1.01E-04
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	0.5	1.67E-04	7.50E-04	1.47E-02	6.30E-05	5.20E+00	3.03E-05	5.20E+00	5.19E-01	2.79E-05	5.19E-01	6.37E+00	4.53E-05	1.01E-04
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	0.5	1.00E-04	4.50E-04	8.85E-03	3.78E-05	3.12E+00	1.82E-05	3.12E+00	3.12E-01	1.67E-05	3.12E-01	3.82E+00	2.72E-05	6.04E-05
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	0.5	6.69E-05	3.00E-04	5.90E-03	2.52E-05	2.08E+00	1.21E-05	2.08E+00	2.08E-01	1.12E-05	2.08E-01	2.55E+00	1.81E-05	4.03E-05
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	0.5	6.69E-05	3.00E-04	5.90E-03	2.52E-05	2.08E+00	1.21E-05	2.08E+00	2.08E-01	1.12E-05	2.08E-01	2.55E+00	1.81E-05	4.03E-05
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	0.5	6.69E-05	3.00E-04	5.90E-03	2.52E-05	2.08E+00	1.21E-05	2.08E+00	2.08E-01	1.12E-05	2.08E-01	2.55E+00	1.81E-05	4.03E-05
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	0.5	1.67E-04	7.50E-04	1.47E-02	6.30E-05	5.20E+00	3.03E-05	5.20E+00	5.19E-01	2.79E-05	5.19E-01	6.37E+00	4.53E-05	1.01E-04
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	0.5	3.02E-04	1.40E-03	2.84E-02	1.24E-04	1.04E+01	5.68E-05	1.04E+01	1.04E+00	5.23E-05	1.04E+00	1.25E+01	8.31E-05	1.95E-04
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	15	0.5	9.05E-05	4.19E-04	8.52E-03	3.72E-05	3.12E+00	1.70E-05	3.12E+00	3.12E-01	1.57E-05	3.12E-01	3.76E+00	2.49E-05	5.86E-05
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	40	0.5	2.41E-04	1.12E-03	2.27E-02	9.91E-05	8.33E+00	4.54E-05	8.33E+00	8.31E-01	4.18E-05	8.31E-01	1.00E+01	6.65E-05	1.56E-04
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	25	0.5	1.51E-04	6.98E-04	1.42E-02	6.19E-05	5.20E+00	2.84E-05	5.20E+00	5.19E-01	2.61E-05	5.19E-01	6.26E+00	4.16E-05	9.76E-05
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	0.5	1.51E-04	6.98E-04	1.42E-02	6.19E-05	5.20E+00	2.84E-05	5.20E+00	5.19E-01	2.61E-05	5.19E-01	6.26E+00	4.16E-05	9.76E-05
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	0.5	9.05E-05	4.19E-04	8.52E-03	3.72E-05	3.12E+00	1.70E-05	3.12E+00	3.12E-01	1.57E-05	3.12E-01	3.76E+00	2.49E-05	5.86E-05
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	10	0.5	6.04E-05	2.79E-04	5.68E-03	2.48E-05	2.08E+00	1.14E-05	2.08E+00	2.08E-01	1.05E-05	2.08E-01	2.50E+00	1.66E-05	3.90E-05
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	10	0.5	6.04E-05	2.79E-04	5.68E-03	2.48E-05	2.08E+00	1.14E-05	2.08E+00	2.08E-01	1.05E-05	2.08E-01	2.50E+00	1.66E-05	3.90E-05
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	10	0.5	6.04E-05	2.79E-04	5.68E-03	2.48E-05	2.08E+00	1.14E-05	2.08E+00	2.08E-01	1.05E-05	2.08E-01	2.50E+00	1.66E-05	3.90E-05
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	25	0.5	1.51E-04	6.98E-04	1.42E-02	6.19E-05	5.20E+00	2.84E-05	5.20E+00	5.19E-01	2.61E-05	5.19E-01	6.26E+00	4.16E-05	9.76E-05
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	0.5	8.21E-05	3.92E-04	8.25E-03	3.66E-05	3.12E+00	1.60E-05	3.12E+00	3.12E-01	1.47E-05	3.12E-01	3.70E+00	2.30E-05	5.70E-05
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	40	0.5	2.19E-04	1.05E-03	2.20E-02	9.75E-05	8.33E+00	4.26E-05	8.33E+00	8.31E-01	3.92E-05	8.31E-01	9.86E+00	6.13E-05	1.52E-04
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	25	0.5	1.37E-04	6.54E-04	1.37E-02	6.10E-05	5.20E+00	2.66E-05	5.20E+00	5.19E-01	2.45E-05	5.19E-01	6.16E+00	3.83E-05	9.50E-05
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	25	0.5	1.37E-04	6.54E-04	1.37E-02	6.10E-05	5.20E+00	2.66E-05	5.20E+00	5.19E-01	2.45E-05	5.19E-01	6.16E+00	3.83E-05	9.50E-05
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	0.5	8.21E-05	3.92E-04	8.25E-03	3.66E-05	3.12E+00	1.60E-05	3.12E+00	3.12E-01	1.47E-05	3.12E-01	3.70E+00	2.30E-05	5.70E-05
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	10	0.5	5.47E-05	2.62E-04	5.50E-03	2.44E-05	2.08E+00	1.07E-05	2.08E+00	2.08E-01	9.81E-06	2.08E-01	2.46E+00	1.53E-05	3.80E-05
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	10	0.5	5.47E-05	2.62E-04	5.50E-03	2.44E-05	2.08E+00	1.07E-05	2.08E+00	2.08E-01	9.81E-06	2.08E-01	2.46E+00	1.53E-05	3.80E-05
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	10	0.5	5.47E-05	2.62E-04	5.50E-03	2.44E-05	2.08E+00	1.07E-05	2.08E+00	2.08E-01	9.81E-06	2.08E-01	2.46E+00	1.53E-05	3.80E-05
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	25	0.5	1.37E-04	6.54E-04	1.37E-02	6.10E-05	5.20E+00	2.66E-05	5.20E+00	5.19E-01	2.45E-05	5.19E-01	6.16E+00	3.83E-05	9.50E-05
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	18.75	0.5	9.29E-05	4.63E-04	9.99E-03	4.51E-05	3.90E+00	1.88E-05	3.90E+00	3.89E-01	1.73E-05	3.89E-01	4.56E+00	2.66E-05	6.97E-05
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	50	0.5	2.48E-04	1.24E-03	2.66E-02	1.20E-04	1.04E+01	5.01E-05	1.04E+01	1.04E+00	4.61E-05	1.04E+00	1.22E+01	7.08E-05	1.86E-04
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	31.25	0.5	1.55E-04	7.72E-04	1.67E-02	7.51E-05	6.50E+00	3.13E-05	6.50E+00	6.49E-01	2.88E-05	6.49E-01	7.60E+00	4.43E-05	1.16E-04
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	31.25	0.5	1.55E-04	7.72E-04	1.67E-02	7.51E-05	6.50E+00	3.13E-05	6.50E+00	6.49E-01	2.88E-05	6.49E-01	7.60E+00	4.43E-05	1.16E-04
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	18.75	0.5	9.29E-05	4.63E-04	9.99E-03	4.51E-05	3.90E+00	1.88E-05	3.90E+00	3.89E-01	1.73E-05	3.89E-01	4.56E+00	2.66E-05	6.97E-05
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	12.5	0.5	6.20E-05	3.09E-04	6.66E-03	3.01E-05	2.60E+00	1.25E-05	2.60E+00	2.60E-01	1.15E-05	2.60E-01	3.04E+00	1.77E-05	4.64E-05
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	12.5	0.5	6.20E-05	3.09E-04	6.66E-03	3.01E-05	2.60E+00	1.25E-05	2.60E+00	2.60E-01	1.15E-05	2.60E-01	3.04E+00	1.77E-05	4.64E-05
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	12.5	0.5	6.20E-05	3.09E-04	6.66E-03	3.01E-05	2.60E+00	1.25E-05	2.60E+00	2.60E-01	1.15E-05	2.60E-01	3.04E+00	1.77E-05	4.64E-05
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	31.25	0.5	1.55E-04	7.72E-04	1.67E-02	7.51E-05	6.50E+00	3.13E-05	6.50E+00	6.49E-01	2.88E-05	6.49E-01	7.60E+00	4.43E-05	1.16E-04

OFFSITE Mobile Emissions		ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	6.89E-02	2.11E+00	2.01E+00	1.67E-02	1.36E+00	1.97E-02	1.38E+00	3.68E-01	1.88E-02	3.87E-01	1.77E+03	6.56E-02	1.81E-01
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2.03E-02	5.85E-01	5.91E-01	4.88E-03	4.08E-01	5.45E-03	4.13E-01	1.10E-01	5.18E-03	1.16E-01	5.16E+02	1.70E-02	5.12E-02
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	9.11E-02	5.55E+00	2.35E+00	3.26E-02	1.86E+00	4.72E-02	1.91E+00	5.11E-01	4.51E-02	5.57E-01	3.53E+03	1.67E-01	4.68E-01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	5.54E-02	3.96E+00	1.14E+00	1.94E-02	8.67E-01	3.37E-02	9.01E-01	2.37E-01	3.22E-02	2.69E-01	2.14E+03	1.33E-01	3.21E-01
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	4.85E-02	2.55E+00	1.28E+00	1.61E-02	1.01E+00	2.18E-02	1.03E+00	2.76E-01	2.08E-02	2.97E-01	1.74E+03	7.37E-02	2.18E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	4.69E-02	3.11E+00	1.40E+00	1.78E-02	1.03E+00	2.70E-02	1.06E+00	2.81E-01	2.58E-02	3.07E-01	1.93E+03	1.01E-01	2.56E-01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	1.82E-02	6.85E-01	5.95E-01	5.64E-03	4.47E-01	6.12E-03	4.53E-01	1.22E-01	5.81E-03	1.28E-01	5.96E+02	1.74E-02	6.14E-02
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	1.17E-02	5.67E-01	1.19E-01	3.18E-03	1.39E-01	4.41E-03	1.43E-01	3.99E-02	4.22E-03	4.41E-02	3.44E+02	1.37E-02	4.99E-02
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	3.71E-03	1.63E-02	3.06E-01	1.28E-03	1.90E-01	6.46E-04	1.91E-01	5.03E-02	5.95E-04	5.09E-02	1.30E+02	9.88E-04	2.09E-03
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2.20E-02	7.30E-01	9.14E-01	6.75E-03	6.20E-01	7.18E-03	6.27E-01	1.67E-01	6.81E-03	1.74E-01	7.11E+02	2.22E-02	6.36E-02
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2.73E-02	8.49E-01	5.07E-01	5.67E-03	3.73E-01	7.30E-03	3.80E-01	1.02E-01	6.96E-03	1.09E-01	6.08E+02	2.41E-02	7.35E-02
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	6.48E-02	2.09E+00	1.95E+00	1.63E-02	1.36E+00	1.91E-02	1.38E+00	3.68E-01	1.82E-02	3.86E-01	1.74E+03	6.53E-02	1.78E-01
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	1.91E-02	5.80E-01	5.74E-01	4.78E-03	4.08E-01	5.28E-03	4.13E-01	1.10E-01	5.01E-03	1.15E-01	5.07E+02	1.69E-02	5.02E-02
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	8.72E-02	5.51E+00	2.31E+00	3.20E-02	1.86E+00	4.59E-02	1.91E+00	5.11E-01	4.38E-02	5.55E-01	3.46E+03	1.67E-01	4.59E-01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	5.85E-02	3.95E+00	1.58E+00	2.09E-02	1.15E+00	3.37E-02	1.19E+00	3.12E-01	3.21E-02	3.44E-01	2.29E+03	1.35E-01	3.17E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	4.62E-02	2.53E+00	1.26E+00	1.58E-02	1.01E+00	2.12E-02	1.03E+00	2.76E-01	2.02E-02	2.96E-01	1.70E+03	7.37E-02	2.14E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	4.16E-02	3.07E+00	1.08E+00	1.61E-02	8.44E-01	2.57E-02	8.70E-01	2.31E-01	2.45E-02	2.55E-01	1.77E+03	1.00E-01	2.49E-01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	1.55E-02	6.73E-01	4.30E-01	4.90E-03	3.52E-01	5.63E-03	3.57E-01	9.68E-02	5.36E-03	1.02E-01	5.22E+02	1.68E-02	5.92E-02
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	1.46E-02	5.79E-01	4.13E-01	4.38E-03	3.29E-01	4.91E-03	3.33E-01	9.02E-02	4.67E-03	9.49E-02	4.65E+02	1.46E-02	5.11E-02
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	1.56E-02	7.01E-01	4.44E-01	4.73E-03	3.35E-01	6.03E-03	3.41E-01	9.13E-02	5.74E-03	9.70E-02	5.07E+02	2.07E-02	5.93E-02
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	3.08E-02	8.65E-01	9.37E-01	7.45E-03	6.58E-01	8.00E-03	6.66E-01	1.78E-01	7.59E-03	1.85E-01	7.88E+02	2.54E-02	7.52E-02
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	5.98E-02	1.91E+00	1.87E+00	1.53E-02	1.33E+00	1.75E-02	1.35E+00	3.59E-01	1.67E-02	3.76E-01	1.62E+03	5.99E-02	1.62E-01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	1.66E-02	5.03E-01	4.75E-01	3.99E-03	3.42E-01	4.55E-03	3.46E-01	9.24E-02	4.33E-03	9.68E-02	4.24E+02	1.53E-02	4.28E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	7.93E-02	5.44E+00	1.84E+00	2.95E-02	1.58E+00	4.47E-02	1.62E+00	4.36E-01	4.27E-02	4.79E-01	3.21E+03	1.66E-01	4.48E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	6.02E-02	3.93E+00	1.92E+00	2.21E-02	1.39E+00	3.41E-02	1.42E+00	3.75E-01	3.25E-02	4.07E-01	2.40E+03	1.36E-01	3.14E-01
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	4.42E-02	2.51E+00	1.23E+00	1.55E-02	1.01E+00	2.10E-02	1.03E+00	2.76E-01	2.01E-02	2.96E-01	1.68E+03	7.36E-02	2.10E-01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	4.03E-02	3.04E+00	1.07E+00	1.58E-02	8.44E-01	2.55E-02	8.70E-01	2.31E-01	2.43E-02	2.55E-01	1.73E+03	1.00E-01	2.45E-01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	1.70E-02	6.78E-01	6.32E-01	5.75E-03	4.94E-01	5.99E-03	5.00E-01	1.35E-01	5.69E-03	1.40E-01	6.07E+02	1.74E-02	5.97E-02
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	1.83E-02	5.95E-01	8.28E-01	6.17E-03	6.13E-01	5.70E-03	6.19E-01	1.66E-01	5.40E-03	1.71E-01	6.46E+02	1.58E-02	5.32E-02
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	1.56E-02	6.97E-01	5.04E-01	4.96E-03	3.82E-01	6.10E-03	3.88E-01	1.04E-01	5.81E-03	1.10E-01	5.29E+02	2.09E-02	5.88E-02
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2.68E-02	8.46E-01	6.96E-01	6.40E-03	5.15E-01	7.44E-03	5.23E-01	1.40E-01	7.08E-03	1.47E-01	6.80E+02	2.46E-02	7.24E-02
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2.53E-02	4.80E-01	1.48E+00	8.11E-03	1.04E+00	5.99E-03	1.04E+00	2.76E-01	5.63E-03	2.81E-01	8.37E+02	1.68E-02	4.34E-02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	7.27E-02	5.38E+00	1.41E+00	2.72E-02	1.29E+00	4.35E-02	1.34E+00	3.60E-01	4.16E-02	4.02E-01	2.98E+03	1.65E-01	4.38E-01
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	5.05E-02	3.85E+00	1.13E+00	1.83E-02	8.67E-01	3.23E-02	8.99E-01	2.36E-01	3.08E-02	2.67E-01	2.02E+03	1.34E-01	3.03E-01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	4.94E-02	2.52E+00	1.89E+00	1.83E-02	1.48E+00	2.22E-02	1.50E+00	4.02E-01	2.11E-02	4.23E-01	1.96E+03	7.56E-02	2.12E-01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	4.18E-02	3.02E+00	1.33E+00	1.68E-02	1.03E+00	2.58E-02	1.06E+00	2.81E-01	2.46E-02	3.06E-01	1.83E+03	1.01E-01	2.42E-01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	1.54E-02	6.69E-01	5.46E-01	5.36E-03	4.47E-01	5.77E-03	4.52E-01	1.22E-01	5.49E-03	1.28E-01	5.67E+02	1.71E-02	5.83E-02
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	1.73E-02	5.90E-01	8.05E-01	6.07E-03	6.13E-01	5.60E-03	6.19E-01	1.66E-01	5.30E-03	1.71E-01	6.36E+02	1.57E-02	5.23E-02
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	1.09E-02	5.23E-02	1.10E+00	4.88E-03	7.60E-01	2.13E-03	7.62E-01	2.01E-01	1.96E-03	2.03E-01	4.93E+02	3.07E-03	7.60E-03
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	1.14E-02	6.75E-01	1.49E-01	3.35E-03	1.45E-01	5.36E-03	1.50E-01	4.09E-02	5.13E-03	4.61E-02	3.67E+02	1.99E-02	5.55E-02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2.47E-02	8.35E-01	6.11E-01	5.99E-03	4.68E-01	7.21E-03	4.75E-01	1.28E-01	6.87E-03	1.34E-01	6.39E+02	2.44E-02	7.08E-02
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	1.63E-02	5.08E-01	3.97E-01	3.60E-03	2.94E-01	4.47E-03	2.98E-01	7.95E-02	4.26E-03	8.38E-02	3.85E+02	1.62E-02	4.21E-02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	9.79E-02	6.71E+00	2.75E+00	3.80E-02	2.33E+00	5.59E-02	2.38E+00	6.39E-01	5.34E-02	6.93E-01	4.12E+03	2.09E-01	5.46E-01
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	6.46E-02	4.79E+00	1.74E+00	2.40E-02	1.32E+00	4.06E-02	1.36E+00	3.59E-01	3.88E-02	3.97E-01	2.64E+03	1.69E-01	3.75E-01
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	4.96E-02	3.08E+00	1.32E+00	1.81E-02	1.14E+00	2.55E-02	1.16E+00	3.13E-01	2.43E-02	3.38E-01	1.95E+03	9.16E-02	2.54E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	5.22E-02	3.75E+00	1.81E+00	2.14E-02	1.41E+00	3.22E-02	1.44E+00	3.83E-01	3.08E-02	4.13E-01	2.33E+03	1.27E-01	2.99E-01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	1.99E-02	8.37E-01	8.33E-01	7.35E-03	6.77E-01	7.44E-03	6.84E-01	1.84E-01	7.07E-03	1.91E-01	7.75E+02	2.18E-02	7.31E-02
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	1.63E-02	7.10E-01	5.46E-01	5.53E-03	4.58E-01	6.05E-03	4.64E-01	1.25E-01	5.76E-03	1.31E-01	5.86E+02	1.83E-02	6.15E-02
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	4.34E-03	2.16E-02	4.66E-01	2.10E-03	3.32E-01	8.76E-04	3.33E-01	8.81E-02	8.06E-04	8.89E-02	2.13E+02	1.24E-03	3.25E-03
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	1.70E-02	8.52E-01	5.19E-01	5.63E-03	4.18E-01	7.29E-03	4.26E-01	1.14E-01	6.95E-03	1.21E-01	6.04E+02	2.58E-02	7.06E-02
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	3.10E-02	1.04E+00	9.14E-01	8.13E-03	7.04E-01	9.22E-03	7.13E-01	1.91E-01	8.77E-03	2.00E-01	8.63E+02	3.08E-02	8.83E-02

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Haul Running Emission Factors ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission Factor (g/trip)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	2170	8	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	364	1	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	7512	29	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	2191	8	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	5008	19	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	0	0	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	624	2	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	528	2	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	2170	8	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	364	1	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	2191	8	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	1937.5	7	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	416	2	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	6260	24	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	7512	29	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	5008	19	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	0	0	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	0	0	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	624	2	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	528	2	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	468	2	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	6260	24	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	7512	29	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	2191	8	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	5008	19	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	0	0	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	0	0	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	624	2	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	528	2	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	546	2	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	7825	30	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	9390	36	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	2738.75	11	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	6260	24	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	0	0	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	0	0	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	0	0	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	780	3	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	660	3	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06

							Daily Emissions													
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	2170	8	25	3.44E-06	2.20E-02	5.54E-05	4.61E-09	0.00E+00	4.88E-09	4.88E-09	0.00E+00	4.49E-09	4.49E-09	4.66E-04	3.37E-09	3.31E-08
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	364	1	25	5.77E-07	3.68E-03	9.29E-06	7.73E-10	0.00E+00	8.19E-10	8.19E-10	0.00E+00	7.53E-10	7.53E-10	7.81E-05	5.66E-10	5.56E-09
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	25	9.93E-06	6.33E-02	1.60E-04	1.33E-08	0.00E+00	1.41E-08	1.41E-08	0.00E+00	1.29E-08	1.29E-08	1.34E-03	9.73E-09	9.56E-08
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	7512	29	25	1.19E-05	7.60E-02	1.92E-04	1.60E-08	0.00E+00	1.69E-08	1.69E-08	0.00E+00	1.55E-08	1.55E-08	1.61E-03	1.17E-08	1.15E-07
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	2191	8	25	3.48E-06	2.22E-02	5.59E-05	4.65E-09	0.00E+00	4.93E-09	4.93E-09	0.00E+00	4.53E-09	4.53E-09	4.70E-04	3.40E-09	3.35E-08
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	5008	19	25	7.94E-06	5.07E-02	1.28E-04	1.06E-08	0.00E+00	1.13E-08	1.13E-08	0.00E+00	1.04E-08	1.04E-08	1.07E-03	7.78E-09	7.65E-08
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	624	2	25	9.90E-07	6.31E-03	1.59E-05	1.33E-09	0.00E+00	1.40E-09	1.40E-09	0.00E+00	1.29E-09	1.29E-09	1.34E-04	9.70E-10	9.53E-09
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	528	2	25	8.38E-07	5.34E-03	1.35E-05	1.12E-09	0.00E+00	1.19E-09	1.19E-09	0.00E+00	1.09E-09	1.09E-09	1.13E-04	8.20E-10	8.06E-09
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	2170	8	25	3.33E-06	2.19E-02	5.69E-05	4.67E-09	0.00E+00	4.94E-09	4.94E-09	0.00E+00	4.54E-09	4.54E-09	4.72E-04	3.30E-09	2.33E-08
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	364	1	25	5.58E-07	3.68E-03	9.55E-06	7.84E-10	0.00E+00	8.29E-10	8.29E-10	0.00E+00	7.62E-10	7.62E-10	7.92E-05	5.54E-10	3.90E-09
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	25	9.60E-06	6.33E-02	1.64E-04	1.35E-08	0.00E+00	1.43E-08	1.43E-08	0.00E+00	1.31E-08	1.31E-08	1.36E-03	9.52E-09	6.71E-08
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	25	1.15E-05	7.60E-02	1.97E-04	1.62E-08	0.00E+00	1.71E-08	1.71E-08	0.00E+00	1.57E-08	1.57E-08	1.63E-03	1.14E-08	8.06E-08
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	2191	8	25	3.36E-06	2.22E-02	5.75E-05	4.72E-09	0.00E+00	4.99E-09	4.99E-09	0.00E+00	4.59E-09	4.59E-09	4.77E-04	3.33E-09	2.35E-08
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	25	7.68E-06	5.07E-02	1.31E-04	1.08E-08	0.00E+00	1.14E-08	1.14E-08	0.00E+00	1.05E-08	1.05E-08	1.09E-03	7.62E-09	5.37E-08
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	25	9.56E-07	6.31E-03	1.64E-05	1.34E-09	0.00E+00	1.42E-09	1.42E-09	0.00E+00	1.31E-09	1.31E-09	1.36E-04	9.49E-10	6.69E-09
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	25	8.09E-07	5.34E-03	1.39E-05	1.14E-09	0.00E+00	1.20E-09	1.20E-09	0.00E+00	1.11E-09	1.11E-09	1.15E-04	8.03E-10	5.66E-09
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	1937.5	7	25	3.02E-06	1.96E-02	5.26E-05	4.25E-09	0.00E+00	4.61E-09	4.61E-09	0.00E+00	4.24E-09	4.24E-09	4.30E-04	2.95E-09	2.04E-08
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	416	2	25	6.49E-07	4.21E-03	1.13E-05	9.13E-10	0.00E+00	9.91E-10	9.91E-10	0.00E+00	9.11E-10	9.11E-10	9.23E-05	6.34E-10	4.37E-09
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	6260	24	25	9.77E-06	6.33E-02	1.70E-04	1.37E-08	0.00E+00	1.49E-08	1.49E-08	0.00E+00	1.37E-08	1.37E-08	1.39E-03	9.54E-09	6.58E-08
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	7512	29	25	1.17E-05	7.60E-02	2.04E-04	1.65E-08	0.00E+00	1.79E-08	1.79E-08	0.00E+00	1.65E-08	1.65E-08	1.67E-03	1.15E-08	7.89E-08
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	25	3.42E-06	2.22E-02	5.95E-05	4.81E-09	0.00E+00	5.22E-09	5.22E-09	0.00E+00	4.80E-09	4.80E-09	4.86E-04	3.34E-09	2.30E-08
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	5008	19	25	7.81E-06	5.06E-02	1.36E-04	1.10E-08	0.00E+00	1.19E-08	1.19E-08	0.00E+00	1.10E-08	1.10E-08	1.11E-03	7.64E-09	5.26E-08
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	624	2	25	9.73E-07	6.31E-03	1.69E-05	1.37E-09	0.00E+00	1.49E-09	1.49E-09	0.00E+00	1.37E-09	1.37E-09	1.38E-04	9.51E-10	6.56E-09
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	528	2	25	8.24E-07	5.34E-03	1.43E-05	1.16E-09	0.00E+00	1.26E-09	1.26E-09	0.00E+00	1.16E-09	1.16E-09	1.17E-04	8.05E-10	5.55E-09
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	468	2	25	7.50E-07	4.73E-03	1.31E-05	1.05E-09	0.00E+00	1.16E-09	1.16E-09	0.00E+00	1.07E-09	1.07E-09	1.06E-04	7.18E-10	3.93E-09
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	6260	24	25	1.00E-05	6.33E-02	1.76E-04	1.40E-08	0.00E+00	1.55E-08	1.55E-08	0.00E+00	1.43E-08	1.43E-08	1.42E-03	9.61E-09	5.26E-08
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	7512	29	25	1.20E-05	7.60E-02	2.11E-04	1.68E-08	0.00E+00	1.87E-08	1.87E-08	0.00E+00	1.72E-08	1.72E-08	1.70E-03	1.15E-08	6.31E-08
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	2191	8	25	3.51E-06	2.22E-02	6.15E-05	4.90E-09	0.00E+00	5.44E-09	5.44E-09	0.00E+00	5.00E-09	5.00E-09	4.95E-04	3.36E-09	1.84E-08
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	5008	19	25	8.02E-06	5.06E-02	1.40E-04	1.12E-08	0.00E+00	1.24E-08	1.24E-08	0.00E+00	1.14E-08	1.14E-08	1.13E-03	7.69E-09	4.21E-08
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	624	2	25	1.00E-06	6.31E-03	1.75E-05	1.40E-09	0.00E+00	1.55E-09	1.55E-09	0.00E+00	1.42E-09	1.42E-09	1.41E-04	9.58E-10	5.24E-09
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	528	2	25	8.46E-07	5.34E-03	1.48E-05	1.18E-09	0.00E+00	1.31E-09	1.31E-09	0.00E+00	1.21E-09	1.21E-09	1.19E-04	8.10E-10	4.44E-09
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	546	2	25	9.01E-07	5.52E-03	1.58E-05	1.24E-09	0.00E+00	1.40E-09	1.40E-09	0.00E+00	1.29E-09	1.29E-09	1.25E-04	8.38E-10	3.17E-09
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	7825	30	25	1.29E-05	7.91E-02	2.26E-04	1.78E-08	0.00E+00	2.01E-08	2.01E-08	0.00E+00	1.85E-08	1.85E-08	1.80E-03	1.20E-08	4.54E-08
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	9390	36	25	1.55E-05	9.50E-02	2.71E-04	2.13E-08	0.00E+00	2.42E-08	2.42E-08	0.00E+00	2.22E-08	2.22E-08	2.16E-03	1.44E-08	5.45E-08
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	2738.75	11	25	4.52E-06	2.77E-02	7.90E-05	6.22E-09	0.00E+00	7.04E-09	7.04E-09	0.00E+00	6.48E-09	6.48E-09	6.29E-04	4.20E-09	1.59E-08
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	6260	24	25	1.03E-05	6.33E-02	1.81E-04	1.42E-08	0.00E+00	1.61E-08	1.61E-08	0.00E+00	1.48E-08	1.48E-08	1.44E-03	9.60E-09	3.63E-08
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	780	3	25	1.29E-06	7.89E-03	2.25E-05	1.77E-09	0.00E+00	2.01E-09	2.01E-09	0.00E+00	1.84E-09	1.84E-09	1.79E-04	1.20E-09	4.53E-09
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	660	3	25	1.09E-06	6.67E-03	1.90E-05	1.50E-09	0.00E+00	1.70E-09	1.70E-09	0.00E+00	1.56E-09	1.56E-09	1.52E-04	1.01E-09	3.83E-09

							Haul Running Emission Factors												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission Factor (g/mile)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	2170	8	25	2.14E-02	2.31E+00	4.75E-01	1.07E-02	3.96E-01	1.98E-02	4.16E-01	1.09E-01	1.89E-02	1.27E-01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	364	1	25	2.14E-02	2.31E+00	4.75E-01	1.07E-02	3.96E-01	1.98E-02	4.16E-01	1.09E-01	1.89E-02	1.27E-01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	25	2.14E-02	2.31E+00	4.75E-01	1.07E-02	3.96E-01	1.98E-02	4.16E-01	1.09E-01	1.89E-02	1.27E-01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	7512	29	25	2.14E-02	2.31E+00	4.75E-01	1.07E-02	3.96E-01	1.98E-02	4.16E-01	1.09E-01	1.89E-02	1.27E-01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	2191	8	25	2.14E-02	2.31E+00	4.75E-01	1.07E-02	3.96E-01	1.98E-02	4.16E-01	1.09E-01	1.89E-02	1.27E-01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	5008	19	25	2.14E-02	2.31E+00	4.75E-01	1.07E-02	3.96E-01	1.98E-02	4.16E-01	1.09E-01	1.89E-02	1.27E-01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	0	0	25	2.14E-02	2.31E+00	4.75E-01	1.07E-02	3.96E-01	1.98E-02	4.16E-01	1.09E-01	1.89E-02	1.27E-01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	25	2.14E-02	2.31E+00	4.75E-01	1.07E-02	3.96E-01	1.98E-02	4.16E-01	1.09E-01	1.89E-02	1.27E-01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	25	2.14E-02	2.31E+00	4.75E-01	1.07E-02	3.96E-01	1.98E-02	4.16E-01	1.09E-01	1.89E-02	1.27E-01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	624	2	25	2.14E-02	2.31E+00	4.75E-01	1.07E-02	3.96E-01	1.98E-02	4.16E-01	1.09E-01	1.89E-02	1.27E-01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	528	2	25	2.14E-02	2.31E+00	4.75E-01	1.07E-02	3.96E-01	1.98E-02	4.16E-01	1.09E-01	1.89E-02	1.27E-01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	2170	8	25	2.11E-02	2.29E+00	4.81E-01	1.05E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	364	1	25	2.11E-02	2.29E+00	4.81E-01	1.05E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	25	2.11E-02	2.29E+00	4.81E-01	1.05E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	25	2.11E-02	2.29E+00	4.81E-01	1.05E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	2191	8	25	2.11E-02	2.29E+00	4.81E-01	1.05E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	25	2.11E-02	2.29E+00	4.81E-01	1.05E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	25	2.11E-02	2.29E+00	4.81E-01	1.05E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	25	2.11E-02	2.29E+00	4.81E-01	1.05E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	25	2.11E-02	2.29E+00	4.81E-01	1.05E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	25	2.11E-02	2.29E+00	4.81E-01	1.05E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	25	2.11E-02	2.29E+00	4.81E-01	1.05E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.16E+03	7.99E-02	1.85E-01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	1937.5	7	25	2.09E-02	2.27E+00	4.85E-01	1.03E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	416	2	25	2.09E-02	2.27E+00	4.85E-01	1.03E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	6260	24	25	2.09E-02	2.27E+00	4.85E-01	1.03E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	7512	29	25	2.09E-02	2.27E+00	4.85E-01	1.03E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	25	2.09E-02	2.27E+00	4.85E-01	1.03E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	5008	19	25	2.09E-02	2.27E+00	4.85E-01	1.03E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	0	0	25	2.09E-02	2.27E+00	4.85E-01	1.03E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	0	0	25	2.09E-02	2.27E+00	4.85E-01	1.03E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	25	2.09E-02	2.27E+00	4.85E-01	1.03E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	624	2	25	2.09E-02	2.27E+00	4.85E-01	1.03E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	528	2	25	2.09E-02	2.27E+00	4.85E-01	1.03E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.14E+03	8.02E-02	1.82E-01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	468	2	25	2.07E-02	2.25E+00	4.88E-01	1.01E-02	3.96E-01	1.90E-02	4.15E-01	1.09E-01	1.82E-02	1.27E-01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	6260	24	25	2.07E-02	2.25E+00	4.88E-01	1.01E-02	3.96E-01	1.90E-02	4.15E-01	1.09E-01	1.82E-02	1.27E-01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	7512	29	25	2.07E-02	2.25E+00	4.88E-01	1.01E-02	3.96E-01	1.90E-02	4.15E-01	1.09E-01	1.82E-02	1.27E-01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	2191	8	25	2.07E-02	2.25E+00	4.88E-01	1.01E-02	3.96E-01	1.90E-02	4.15E-01	1.09E-01	1.82E-02	1.27E-01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	5008	19	25	2.07E-02	2.25E+00	4.88E-01	1.01E-02	3.96E-01	1.90E-02	4.15E-01	1.09E-01	1.82E-02	1.27E-01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	0	0	25	2.07E-02	2.25E+00	4.88E-01	1.01E-02	3.96E-01	1.90E-02	4.15E-01	1.09E-01	1.82E-02	1.27E-01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	0	0	25	2.07E-02	2.25E+00	4.88E-01	1.01E-02	3.96E-01	1.90E-02	4.15E-01	1.09E-01	1.82E-02	1.27E-01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	25	2.07E-02	2.25E+00	4.88E-01	1.01E-02	3.96E-01	1.90E-02	4.15E-01	1.09E-01	1.82E-02	1.27E-01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	624	2	25	2.07E-02	2.25E+00	4.88E-01	1.01E-02	3.96E-01	1.90E-02	4.15E-01	1.09E-01	1.82E-02	1.27E-01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	528	2	25	2.07E-02	2.25E+00	4.88E-01	1.01E-02	3.96E-01	1.90E-02	4.15E-01	1.09E-01	1.82E-02	1.27E-01	1.12E+03	8.05E-02	1.79E-01
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	546	2	25	2.05E-02	2.22E+00	4.91E-01	9.92E-03	3.96E-01	1.89E-02	4.15E-01	1.09E-01	1.81E-02	1.27E-01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	7825	30	25	2.05E-02	2.22E+00	4.91E-01	9.92E-03	3.96E-01	1.89E-02	4.15E-01	1.09E-01	1.81E-02	1.27E-01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	9390	36	25	2.05E-02	2.22E+00	4.91E-01	9.92E-03	3.96E-01	1.89E-02	4.15E-01	1.09E-01	1.81E-02	1.27E-01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	2738.75	11	25	2.05E-02	2.22E+00	4.91E-01	9.92E-03	3.96E-01	1.89E-02	4.15E-01	1.09E-01	1.81E-02	1.27E-01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	6260	24	25	2.05E-02	2.22E+00	4.91E-01	9.92E-03	3.96E-01	1.89E-02	4.15E-01	1.09E-01	1.81E-02	1.27E-01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	0	0	25	2.05E-02	2.22E+00	4.91E-01	9.92E-03	3.96E-01	1.89E-02	4.15E-01	1.09E-01	1.81E-02	1.27E-01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	0	0	25	2.05E-02	2.22E+00	4.91E-01	9.92E-03	3.96E-01	1.89E-02	4.15E-01	1.09E-01	1.81E-02	1.27E-01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	0	0	25	2.05E-02	2.22E+00	4.91E-01	9.92E-03	3.96E-01	1.89E-02	4.15E-01	1.09E-01	1.81E-02	1.27E-01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	780	3	25	2.05E-02	2.22E+00	4.91E-01	9.92E-03	3.96E-01	1.89E-02	4.15E-01	1.09E-01	1.81E-02	1.27E-01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	660	3	25	2.05E-02	2.22E+00	4.91E-01	9.92E-03	3.96E-01	1.89E-02	4.15E-01	1.09E-01	1.81E-02	1.27E-01	1.10E+03	8.07E-02	1.76E-01

							Daily Emissions												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	2170	8	25	9.86E-03	1.06E+00	2.18E-01	4.93E-03	1.82E-01	9.10E-03	1.91E-01	4.99E-02	8.71E-03	5.86E-02	5.47E+02	3.66E-02	8.71E-02
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	364	1	25	1.65E-03	1.78E-01	3.66E-02	8.27E-04	3.06E-02	1.53E-03	3.21E-02	8.38E-03	1.46E-03	9.84E-03	9.17E+01	6.14E-03	1.46E-02
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	25	2.84E-02	3.06E+00	6.30E-01	1.42E-02	5.26E-01	2.63E-02	5.52E-01	1.44E-01	2.51E-02	1.69E-01	1.58E+03	1.06E-01	2.51E-01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	7512	29	25	3.41E-02	3.67E+00	7.56E-01	1.71E-02	6.31E-01	3.15E-02	6.62E-01	1.73E-01	3.01E-02	2.03E-01	1.89E+03	1.27E-01	3.01E-01
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	2191	8	25	9.96E-03	1.07E+00	2.21E-01	4.98E-03	1.84E-01	9.19E-03	1.93E-01	5.04E-02	8.79E-03	5.92E-02	5.52E+02	3.70E-02	8.79E-02
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	5008	19	25	2.28E-02	2.45E+00	5.04E-01	1.14E-02	4.21E-01	2.10E-02	4.42E-01	1.15E-01	2.01E-02	1.35E-01	1.26E+03	8.45E-02	2.01E-01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	624	2	25	2.84E-03	3.05E-01	6.28E-02	1.42E-03	5.24E-02	2.62E-03	5.50E-02	1.44E-02	2.50E-03	1.69E-02	1.57E+02	1.05E-02	2.50E-02
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	528	2	25	2.40E-03	2.58E-01	5.32E-02	1.20E-03	4.43E-02	2.21E-03	4.66E-02	1.22E-02	2.12E-03	1.43E-02	1.33E+02	8.91E-03	2.12E-02
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	2170	8	25	9.70E-03	1.05E+00	2.21E-01	4.82E-03	1.82E-01	8.86E-03	1.91E-01	4.99E-02	8.48E-03	5.84E-02	5.36E+02	3.68E-02	8.53E-02
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	364	1	25	1.63E-03	1.77E-01	3.71E-02	8.09E-04	3.06E-02	1.49E-03	3.21E-02	8.38E-03	1.42E-03	9.80E-03	8.98E+01	6.17E-03	1.43E-02
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	25	2.80E-02	3.04E+00	6.38E-01	1.39E-02	5.26E-01	2.56E-02	5.51E-01	1.44E-01	2.45E-02	1.69E-01	1.55E+03	1.06E-01	2.46E-01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	25	3.36E-02	3.64E+00	7.65E-01	1.67E-02	6.31E-01	3.07E-02	6.62E-01	1.73E-01	2.94E-02	2.02E-01	1.85E+03	1.27E-01	2.95E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	2191	8	25	9.80E-03	1.06E+00	2.23E-01	4.87E-03	1.84E-01	8.95E-03	1.93E-01	5.04E-02	8.56E-03	5.90E-02	5.41E+02	3.71E-02	8.61E-02
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	25	2.24E-02	2.43E+00	5.10E-01	1.11E-02	4.21E-01	2.05E-02	4.41E-01	1.15E-01	1.96E-02	1.35E-01	1.24E+03	8.48E-02	1.97E-01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	25	2.79E-03	3.03E-01	6.36E-02	1.39E-03	5.24E-02	2.55E-03	5.50E-02	1.44E-02	2.44E-03	1.68E-02	1.54E+02	1.06E-02	2.45E-02
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	25	2.36E-03	2.56E-01	5.38E-02	1.17E-03	4.43E-02	2.16E-03	4.65E-02	1.22E-02	2.06E-03	1.42E-02	1.30E+02	8.95E-03	2.08E-02
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	1937.5	7	25	8.57E-03	9.31E-01	1.99E-01	4.22E-03	1.63E-01	7.86E-03	1.71E-01	4.46E-02	7.52E-03	5.21E-02	4.69E+02	3.29E-02	7.48E-02
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	416	2	25	1.84E-03	2.00E-01	4.27E-02	9.07E-04	3.49E-02	1.69E-03	3.66E-02	9.57E-03	1.61E-03	1.12E-02	1.01E+02	7.07E-03	1.61E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	6260	24	25	2.77E-02	3.01E+00	6.43E-01	1.36E-02	5.26E-01	2.54E-02	5.51E-01	1.44E-01	2.43E-02	1.68E-01	1.52E+03	1.06E-01	2.42E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	7512	29	25	3.32E-02	3.61E+00	7.72E-01	1.64E-02	6.31E-01	3.05E-02	6.61E-01	1.73E-01	2.92E-02	2.02E-01	1.82E+03	1.28E-01	2.90E-01
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	25	9.69E-03	1.05E+00	2.25E-01	4.78E-03	1.84E-01	8.89E-03	1.93E-01	5.04E-02	8.50E-03	5.89E-02	5.31E+02	3.72E-02	8.46E-02
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	5008	19	25	2.21E-02	2.41E+00	5.14E-01	1.09E-02	4.21E-01	2.03E-02	4.41E-01	1.15E-01	1.94E-02	1.35E-01	1.21E+03	8.51E-02	1.93E-01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	624	2	25	2.76E-03	3.00E-01	6.41E-02	1.36E-03	5.24E-02	2.53E-03	5.49E-02	1.44E-02	2.42E-03	1.68E-02	1.51E+02	1.06E-02	2.41E-02
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	528	2	25	2.33E-03	2.54E-01	5.42E-02	1.15E-03	4.43E-02	2.14E-03	4.65E-02	1.22E-02	2.05E-03	1.42E-02	1.28E+02	8.98E-03	2.04E-02
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	468	2	25	2.05E-03	2.23E-01	4.84E-02	1.00E-03	3.93E-02	1.89E-03	4.12E-02	1.08E-02	1.80E-03	1.26E-02	1.11E+02	7.98E-03	1.78E-02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	6260	24	25	2.74E-02	2.98E+00	6.47E-01	1.34E-02	5.26E-01	2.52E-02	5.51E-01	1.44E-01	2.41E-02	1.68E-01	1.49E+03	1.07E-01	2.37E-01
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	7512	29	25	3.29E-02	3.58E+00	7.77E-01	1.61E-02	6.31E-01	3.03E-02	6.61E-01	1.73E-01	2.90E-02	2.02E-01	1.79E+03	1.28E-01	2.85E-01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	2191	8	25	9.59E-03	1.04E+00	2.27E-01	4.69E-03	1.84E-01	8.83E-03	1.93E-01	5.04E-02	8.45E-03	5.89E-02	5.22E+02	3.74E-02	8.31E-02
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	5008	19	25	2.19E-02	2.38E+00	5.18E-01	1.07E-02	4.21E-01	2.02E-02	4.41E-01	1.15E-01	1.93E-02	1.35E-01	1.19E+03	8.54E-02	1.90E-01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	624	2	25	2.73E-03	2.97E-01	6.45E-02	1.34E-03	5.24E-02	2.52E-03	5.49E-02	1.44E-02	2.41E-03	1.68E-02	1.49E+02	1.06E-02	2.37E-02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	528	2	25	2.31E-03	2.51E-01	5.46E-02	1.13E-03	4.43E-02	2.13E-03	4.65E-02	1.22E-02	2.04E-03	1.42E-02	1.26E+02	9.01E-03	2.00E-02
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	546	2	25	2.37E-03	2.57E-01	5.68E-02	1.15E-03	4.59E-02	2.18E-03	4.80E-02	1.26E-02	2.09E-03	1.47E-02	1.28E+02	9.34E-03	2.04E-02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	7825	30	25	3.39E-02	3.69E+00	8.14E-01	1.65E-02	6.57E-01	3.13E-02	6.89E-01	1.80E-01	3.00E-02	2.10E-01	1.83E+03	1.34E-01	2.92E-01
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	9390	36	25	4.07E-02	4.43E+00	9.77E-01	1.98E-02	7.89E-01	3.76E-02	8.26E-01	2.16E-01	3.59E-02	2.52E-01	2.20E+03	1.61E-01	3.50E-01
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	2738.75	11	25	1.19E-02	1.29E+00	2.85E-01	5.76E-03	2.30E-01	1.10E-02	2.41E-01	6.30E-02	1.05E-02	7.35E-02	6.41E+02	4.68E-02	1.02E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	6260	24	25	2.72E-02	2.95E+00	6.51E-01	1.32E-02	5.26E-01	2.51E-02	5.51E-01	1.44E-01	2.40E-02	1.68E-01	1.47E+03	1.07E-01	2.34E-01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	780	3	25	3.38E-03	3.68E-01	8.11E-02	1.64E-03	6.55E-02	3.12E-03	6.86E-02	1.79E-02	2.99E-03	2.09E-02	1.83E+02	1.33E-02	2.91E-02
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	660	3	25	2.86E-03	3.11E-01	6.86E-02	1.39E-03	5.54E-02	2.64E-03	5.81E-02	1.52E-02	2.53E-03	1.77E-02	1.55E+02	1.13E-02	2.46E-02

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Vendor Starting Evaporative Emission Factors ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/trip)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	10	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	4	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	2	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	15	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	6	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	7	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	6	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	4	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	6	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	10	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	4	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	15	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	9.5	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	3	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	2	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	7	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	6	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	4	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	2	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	25	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	2	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	6	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	7	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	6	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	4	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	6	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	2.5	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	31.25	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	2.5	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	18.75	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	7.5	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.75	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	7.5	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	5	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	7.5	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03

						Daily Emissions													
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	10	25	15	7.59E-04	2.25E-02	4.59E-03	4.71E-07	0.00E+00	5.54E-07	5.54E-07	0.00E+00	5.09E-07	5.09E-07	4.76E-02	4.54E-05	4.13E-05
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	4	25	15	3.04E-04	8.99E-03	1.84E-03	1.88E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.04E-07	2.04E-07	1.90E-02	1.82E-05	1.65E-05
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	25	15	1.90E-03	5.62E-02	1.15E-02	1.18E-06	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	1.19E-01	1.14E-04	1.03E-04
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	2	25	15	1.52E-04	4.49E-03	9.18E-04	9.42E-08	0.00E+00	1.11E-07	1.11E-07	0.00E+00	1.02E-07	1.02E-07	9.51E-03	9.09E-06	8.26E-06
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	15	25	15	1.14E-03	3.37E-02	6.88E-03	7.06E-07	0.00E+00	8.31E-07	8.31E-07	0.00E+00	7.64E-07	7.64E-07	7.14E-02	6.81E-05	6.19E-05
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	6	25	15	4.55E-04	1.35E-02	2.75E-03	2.82E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.85E-02	2.73E-05	2.48E-05
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	7	25	15	5.31E-04	1.57E-02	3.21E-03	3.30E-07	0.00E+00	3.88E-07	3.88E-07	0.00E+00	3.56E-07	3.56E-07	3.33E-02	3.18E-05	2.89E-05
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	6	25	15	4.55E-04	1.35E-02	2.75E-03	2.82E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.85E-02	2.73E-05	2.48E-05
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	4	25	15	3.04E-04	8.99E-03	1.84E-03	1.88E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.04E-07	2.04E-07	1.90E-02	1.82E-05	1.65E-05
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	6	25	15	4.55E-04	1.35E-02	2.75E-03	2.82E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.85E-02	2.73E-05	2.48E-05
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	10	25	15	7.35E-04	2.25E-02	4.45E-03	4.59E-07	0.00E+00	5.52E-07	5.52E-07	0.00E+00	5.07E-07	5.07E-07	4.64E-02	4.45E-05	4.10E-05
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	4	25	15	2.94E-04	9.00E-03	1.78E-03	1.84E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.03E-07	2.03E-07	1.86E-02	1.78E-05	1.64E-05
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	25	15	1.84E-03	5.62E-02	1.11E-02	1.15E-06	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	1.16E-01	1.11E-04	1.02E-04
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	25	15	1.47E-04	4.50E-03	8.89E-04	9.19E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.01E-07	1.01E-07	9.28E-03	8.90E-06	8.20E-06
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	15	25	15	1.10E-03	3.37E-02	6.67E-03	6.89E-07	0.00E+00	8.28E-07	8.28E-07	0.00E+00	7.61E-07	7.61E-07	6.96E-02	6.68E-05	6.15E-05
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	25	15	4.41E-04	1.35E-02	2.67E-03	2.76E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.78E-02	2.67E-05	2.46E-05
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	25	15	5.15E-04	1.57E-02	3.11E-03	3.21E-07	0.00E+00	3.86E-07	3.86E-07	0.00E+00	3.55E-07	3.55E-07	3.25E-02	3.12E-05	2.87E-05
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	25	15	4.41E-04	1.35E-02	2.67E-03	2.76E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.78E-02	2.67E-05	2.46E-05
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	25	15	2.94E-04	9.00E-03	1.78E-03	1.84E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.03E-07	2.03E-07	1.86E-02	1.78E-05	1.64E-05
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	25	15	4.41E-04	1.35E-02	2.67E-03	2.76E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.78E-02	2.67E-05	2.46E-05
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	9.5	25	15	6.80E-04	2.14E-02	4.12E-03	4.27E-07	0.00E+00	5.24E-07	5.24E-07	0.00E+00	4.82E-07	4.82E-07	4.32E-02	4.17E-05	3.88E-05
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	3	25	15	2.15E-04	6.75E-03	1.30E-03	1.35E-07	0.00E+00	1.65E-07	1.65E-07	0.00E+00	1.52E-07	1.52E-07	1.36E-02	1.32E-05	1.22E-05
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	25	15	1.79E-03	5.63E-02	1.08E-02	1.12E-06	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	1.14E-01	1.10E-04	1.02E-04
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	2	25	15	1.43E-04	4.50E-03	8.67E-04	9.00E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.01E-07	1.01E-07	9.09E-03	8.78E-06	8.16E-06
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	25	15	1.07E-03	3.38E-02	6.50E-03	6.75E-07	0.00E+00	8.27E-07	8.27E-07	0.00E+00	7.60E-07	7.60E-07	6.82E-02	6.58E-05	6.12E-05
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	25	15	4.30E-04	1.35E-02	2.60E-03	2.70E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.73E-02	2.63E-05	2.45E-05
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	7	25	15	5.01E-04	1.58E-02	3.03E-03	3.15E-07	0.00E+00	3.86E-07	3.86E-07	0.00E+00	3.55E-07	3.55E-07	3.18E-02	3.07E-05	2.86E-05
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	6	25	15	4.30E-04	1.35E-02	2.60E-03	2.70E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.73E-02	2.63E-05	2.45E-05
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	4	25	15	2.86E-04	9.01E-03	1.73E-03	1.80E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.03E-07	2.03E-07	1.82E-02	1.76E-05	1.63E-05
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	25	15	4.30E-04	1.35E-02	2.60E-03	2.70E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.73E-02	2.63E-05	2.45E-05
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	2	25	15	1.40E-04	4.51E-03	8.49E-04	8.84E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.02E-07	1.02E-07	8.94E-03	8.68E-06	8.15E-06
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	25	25	15	1.75E-03	5.63E-02	1.06E-02	1.11E-06	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	1.12E-01	1.09E-04	1.02E-04
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	2	25	15	1.40E-04	4.51E-03	8.49E-04	8.84E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.02E-07	1.02E-07	8.94E-03	8.68E-06	8.15E-06
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	25	15	1.05E-03	3.38E-02	6.37E-03	6.63E-07	0.00E+00	8.28E-07	8.28E-07	0.00E+00	7.61E-07	7.61E-07	6.70E-02	6.51E-05	6.11E-05
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	6	25	15	4.20E-04	1.35E-02	2.55E-03	2.65E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.05E-07	3.05E-07	2.68E-02	2.61E-05	2.44E-05
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	7	25	15	4.90E-04	1.58E-02	2.97E-03	3.09E-07	0.00E+00	3.86E-07	3.86E-07	0.00E+00	3.55E-07	3.55E-07	3.13E-02	3.04E-05	2.85E-05
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	6	25	15	4.20E-04	1.35E-02	2.55E-03	2.65E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.05E-07	3.05E-07	2.68E-02	2.61E-05	2.44E-05
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	4	25	15	2.80E-04	9.01E-03	1.70E-03	1.77E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.03E-07	2.03E-07	1.79E-02	1.74E-05	1.63E-05
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	6	25	15	4.20E-04	1.35E-02	2.55E-03	2.65E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.05E-07	3.05E-07	2.68E-02	2.61E-05	2.44E-05
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	2.5	25	15	1.71E-04	5.64E-03	1.04E-03	1.09E-07	0.00E+00	1.38E-07	1.38E-07	0.00E+00	1.27E-07	1.27E-07	1.10E-02	1.08E-05	1.02E-05
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	31.25	25	15	2.14E-03	7.04E-02	1.30E-02	1.36E-06	0.00E+00	1.73E-06	1.73E-06	0.00E+00	1.59E-06	1.59E-06	1.37E-01	1.34E-04	1.27E-04
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	2.5	25	15	1.71E-04	5.64E-03	1.04E-03	1.09E-07	0.00E+00	1.38E-07	1.38E-07	0.00E+00	1.27E-07	1.27E-07	1.10E-02	1.08E-05	1.02E-05
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	18.75	25	15	1.29E-03	4.23E-02	7.80E-03	8.15E-07	0.00E+00	1.04E-06	1.04E-06	0.00E+00	9.54E-07	9.54E-07	8.24E-02	8.06E-05	7.63E-05
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	7.5	25	15	5.14E-04	1.69E-02	3.12E-03	3.26E-07	0.00E+00	4.15E-07	4.15E-07	0.00E+00	3.81E-07	3.81E-07	3.30E-02	3.23E-05	3.05E-05
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.75	25	15	6.00E-04	1.97E-02	3.64E-03	3.80E-07	0.00E+00	4.84E-07	4.84E-07	0.00E+00	4.45E-07	4.45E-07	3.84E-02	3.76E-05	3.56E-05
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	7.5	25	15	5.14E-04	1.69E-02	3.12E-03	3.26E-07	0.00E+00	4.15E-07	4.15E-07	0.00E+00	3.81E-07	3.81E-07	3.30E-02	3.23E-05	3.05E-05
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	5	25	15	3.43E-04	1.13E-02	2.08E-03	2.17E-07	0.00E+00	2.77E-07	2.77E-07	0.00E+00	2.54E-07	2.54E-07	2.20E-02	2.15E-05	2.03E-05
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	7.5	25	15	5.14E-04	1.69E-02	3.12E-03	3.26E-07	0.00E+00	4.15E-07	4.15E-07	0.00E+00	3.81E-07	3.81E-07	3.30E-02	3.23E-05	3.05E-05

						Vendor Running Emission Factors												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission Factor (g/mile)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	10	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	4	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	2	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	15	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	6	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	7	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	6	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	4	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	6	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	10	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	4	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	15	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	9.5	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	3	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	2	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	7	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	6	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	4	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	2	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	25	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	2	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	6	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	7	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	6	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	4	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	6	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	2.5	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	31.25	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	2.5	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	18.75	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	7.5	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.75	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	7.5	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	5	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	7.5	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	10	25	15	8.30E-03	9.20E-01	1.62E-01	5.29E-03	2.31E-01	7.33E-03	2.38E-01	6.64E-02	7.01E-03	7.34E-02	5.73E+02	2.22E-02	8.28E-02
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	4	25	15	3.32E-03	3.68E-01	6.49E-02	2.12E-03	9.24E-02	2.93E-03	9.53E-02	2.66E-02	2.80E-03	2.94E-02	2.29E+02	8.87E-03	3.31E-02
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	25	15	2.08E-02	2.30E+00	4.05E-01	1.32E-02	5.78E-01	1.83E-02	5.96E-01	1.66E-01	1.75E-02	1.84E-01	1.43E+03	5.54E-02	2.07E-01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	2	25	15	1.66E-03	1.84E-01	3.24E-02	1.06E-03	4.62E-02	1.47E-03	4.77E-02	1.33E-02	1.40E-03	1.47E-02	1.15E+02	4.43E-03	1.66E-02
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	15	25	15	1.25E-02	1.38E+00	2.43E-01	7.94E-03	3.47E-01	1.10E-02	3.58E-01	9.96E-02	1.05E-02	1.10E-01	8.59E+02	3.32E-02	1.24E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	6	25	15	4.98E-03	5.52E-01	9.73E-02	3.18E-03	1.39E-01	4.40E-03	1.43E-01	3.99E-02	4.21E-03	4.41E-02	3.44E+02	1.33E-02	4.97E-02
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	7	25	15	5.81E-03	6.44E-01	1.13E-01	3.71E-03	1.62E-01	5.13E-03	1.67E-01	4.65E-02	4.91E-03	5.14E-02	4.01E+02	1.55E-02	5.80E-02
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	6	25	15	4.98E-03	5.52E-01	9.73E-02	3.18E-03	1.39E-01	4.40E-03	1.43E-01	3.99E-02	4.21E-03	4.41E-02	3.44E+02	1.33E-02	4.97E-02
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	4	25	15	3.32E-03	3.68E-01	6.49E-02	2.12E-03	9.24E-02	2.93E-03	9.53E-02	2.66E-02	2.80E-03	2.94E-02	2.29E+02	8.87E-03	3.31E-02
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	6	25	15	4.98E-03	5.52E-01	9.73E-02	3.18E-03	1.39E-01	4.40E-03	1.43E-01	3.99E-02	4.21E-03	4.41E-02	3.44E+02	1.33E-02	4.97E-02
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	10	25	15	8.14E-03	9.15E-01	1.62E-01	5.19E-03	2.31E-01	7.15E-03	2.38E-01	6.64E-02	6.84E-03	7.33E-02	5.62E+02	2.22E-02	8.13E-02
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	4	25	15	3.26E-03	3.66E-01	6.49E-02	2.08E-03	9.24E-02	2.86E-03	9.53E-02	2.66E-02	2.74E-03	2.93E-02	2.25E+02	8.89E-03	3.25E-02
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	25	15	2.03E-02	2.29E+00	4.06E-01	1.30E-02	5.78E-01	1.79E-02	5.95E-01	1.66E-01	1.71E-02	1.83E-01	1.41E+03	5.56E-02	2.03E-01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	25	15	1.63E-03	1.83E-01	3.24E-02	1.04E-03	4.62E-02	1.43E-03	4.76E-02	1.33E-02	1.37E-03	1.47E-02	1.12E+02	4.45E-03	1.63E-02
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	15	25	15	1.22E-02	1.37E+00	2.43E-01	7.79E-03	3.47E-01	1.07E-02	3.57E-01	9.96E-02	1.03E-02	1.10E-01	8.44E+02	3.34E-02	1.22E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	25	15	4.88E-03	5.49E-01	9.73E-02	3.12E-03	1.39E-01	4.29E-03	1.43E-01	3.99E-02	4.10E-03	4.40E-02	3.37E+02	1.33E-02	4.88E-02
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	25	15	5.70E-03	6.41E-01	1.14E-01	3.64E-03	1.62E-01	5.00E-03	1.67E-01	4.65E-02	4.79E-03	5.13E-02	3.94E+02	1.56E-02	5.69E-02
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	25	15	4.88E-03	5.49E-01	9.73E-02	3.12E-03	1.39E-01	4.29E-03	1.43E-01	3.99E-02	4.10E-03	4.40E-02	3.37E+02	1.33E-02	4.88E-02
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	25	15	3.26E-03	3.66E-01	6.49E-02	2.08E-03	9.24E-02	2.86E-03	9.53E-02	2.66E-02	2.74E-03	2.93E-02	2.25E+02	8.89E-03	3.25E-02
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	25	15	4.88E-03	5.49E-01	9.73E-02	3.12E-03	1.39E-01	4.29E-03	1.43E-01	3.99E-02	4.10E-03	4.40E-02	3.37E+02	1.33E-02	4.88E-02
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	9.5	25	15	7.62E-03	8.64E-01	1.54E-01	4.85E-03	2.19E-01	6.76E-03	2.26E-01	6.31E-02	6.47E-03	6.96E-02	5.26E+02	2.12E-02	7.61E-02
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	3	25	15	2.41E-03	2.73E-01	4.86E-02	1.53E-03	6.93E-02	2.13E-03	7.14E-02	1.99E-02	2.04E-03	2.20E-02	1.66E+02	6.69E-03	2.40E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	25	15	2.01E-02	2.27E+00	4.05E-01	1.28E-02	5.78E-01	1.78E-02	5.95E-01	1.66E-01	1.70E-02	1.83E-01	1.38E+03	5.58E-02	2.00E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	2	25	15	1.60E-03	1.82E-01	3.24E-02	1.02E-03	4.62E-02	1.42E-03	4.76E-02	1.33E-02	1.36E-03	1.46E-02	1.11E+02	4.46E-03	1.60E-02
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	25	15	1.20E-02	1.36E+00	2.43E-01	7.66E-03	3.47E-01	1.07E-02	3.57E-01	9.96E-02	1.02E-02	1.10E-01	8.30E+02	3.35E-02	1.20E-01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	25	15	4.81E-03	5.45E-01	9.73E-02	3.07E-03	1.39E-01	4.27E-03	1.43E-01	3.99E-02	4.08E-03	4.39E-02	3.32E+02	1.34E-02	4.80E-02
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	7	25	15	5.62E-03	6.36E-01	1.13E-01	3.58E-03	1.62E-01	4.98E-03	1.67E-01	4.65E-02	4.76E-03	5.13E-02	3.87E+02	1.56E-02	5.61E-02
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	6	25	15	4.81E-03	5.45E-01	9.73E-02	3.07E-03	1.39E-01	4.27E-03	1.43E-01	3.99E-02	4.08E-03	4.39E-02	3.32E+02	1.34E-02	4.80E-02
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	4	25	15	3.21E-03	3.64E-01	6.48E-02	2.04E-03	9.24E-02	2.85E-03	9.53E-02	2.66E-02	2.72E-03	2.93E-02	2.21E+02	8.92E-03	3.20E-02
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	25	15	4.81E-03	5.45E-01	9.73E-02	3.07E-03	1.39E-01	4.27E-03	1.43E-01	3.99E-02	4.08E-03	4.39E-02	3.32E+02	1.34E-02	4.80E-02
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	2	25	15	1.59E-03	1.81E-01	3.24E-02	1.01E-03	4.62E-02	1.42E-03	4.76E-02	1.33E-02	1.36E-03	1.46E-02	1.09E+02	4.47E-03	1.58E-02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	25	25	15	1.98E-02	2.26E+00	4.05E-01	1.26E-02	5.78E-01	1.77E-02	5.95E-01	1.66E-01	1.69E-02	1.83E-01	1.36E+03	5.59E-02	1.97E-01
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	2	25	15	1.59E-03	1.81E-01	3.24E-02	1.01E-03	4.62E-02	1.42E-03	4.76E-02	1.33E-02	1.36E-03	1.46E-02	1.09E+02	4.47E-03	1.58E-02
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	25	15	1.19E-02	1.35E+00	2.43E-01	7.55E-03	3.47E-01	1.06E-02	3.57E-01	9.96E-02	1.02E-02	1.10E-01	8.18E+02	3.36E-02	1.18E-01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	6	25	15	4.76E-03	5.42E-01	9.72E-02	3.02E-03	1.39E-01	4.25E-03	1.43E-01	3.99E-02	4.07E-03	4.39E-02	3.27E+02	1.34E-02	4.74E-02
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	7	25	15	5.55E-03	6.32E-01	1.13E-01	3.52E-03	1.62E-01	4.96E-03	1.67E-01	4.65E-02	4.75E-03	5.12E-02	3.82E+02	1.57E-02	5.53E-02
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	6	25	15	4.76E-03	5.42E-01	9.72E-02	3.02E-03	1.39E-01	4.25E-03	1.43E-01	3.99E-02	4.07E-03	4.39E-02	3.27E+02	1.34E-02	4.74E-02
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	4	25	15	3.17E-03	3.61E-01	6.48E-02	2.01E-03	9.24E-02	2.83E-03	9.53E-02	2.66E-02	2.71E-03	2.93E-02	2.18E+02	8.95E-03	3.16E-02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	6	25	15	4.76E-03	5.42E-01	9.72E-02	3.02E-03	1.39E-01	4.25E-03	1.43E-01	3.99E-02	4.07E-03	4.39E-02	3.27E+02	1.34E-02	4.74E-02
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	2.5	25	15	1.96E-03	2.24E-01	4.05E-02	1.24E-03	5.78E-02	1.76E-03	5.95E-02	1.66E-02	1.69E-03	1.83E-02	1.34E+02	5.61E-03	1.95E-02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	31.25	25	15	2.45E-02	2.80E+00	5.06E-01	1.55E-02	7.22E-01	2.20E-02	7.44E-01	2.08E-01	2.11E-02	2.29E-01	1.68E+03	7.01E-02	2.43E-01
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	2.5	25	15	1.96E-03	2.24E-01	4.05E-02	1.24E-03	5.78E-02	1.76E-03	5.95E-02	1.66E-02	1.69E-03	1.83E-02	1.34E+02	5.61E-03	1.95E-02
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	18.75	25	15	1.47E-02	1.68E+00	3.04E-01	9.30E-03	4.33E-01	1.32E-02	4.46E-01	1.25E-01	1.26E-02	1.37E-01	1.01E+03	4.20E-02	1.46E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	7.5	25	15	5.88E-03	6.73E-01	1.22E-01	3.72E-03	1.73E-01	5.29E-03	1.79E-01	4.98E-02	5.06E-03	5.49E-02	4.03E+02	1.68E-02	5.84E-02
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.75	25	15	6.86E-03	7.85E-01	1.42E-01	4.34E-03	2.02E-01	6.17E-03	2.08E-01	5.81E-02	5.90E-03	6.40E-02	4.70E+02	1.96E-02	6.81E-02
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	7.5	25	15	5.88E-03	6.73E-01	1.22E-01	3.72E-03	1.73E-01	5.29E-03	1.79E-01	4.98E-02	5.06E-03	5.49E-02	4.03E+02	1.68E-02	5.84E-02
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	5	25	15	3.92E-03	4.49E-01	8.10E-02	2.48E-03	1.16E-01	3.53E-03	1.19E-01	3.32E-02	3.37E-03	3.66E-02	2.69E+02	1.12E-02	3.89E-02
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	7.5	25	15	5.88E-03	6.73E-01	1.22E-01	3.72E-03	1.73E-01	5.29E-03	1.79E-01	4.98E-02	5.06E-03	5.49E-02	4.03E+02	1.68E-02	5.84E-02

Worker Starting Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission Factor (g/trip)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	25	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	10	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	10	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	10	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	25	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	15	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	40	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	25	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	10	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	10	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	10	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	25	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	40	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	25	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	25	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	10	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	10	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	10	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	25	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	18.75	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	50	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	31.25	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	31.25	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	18.75	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	12.5	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	12.5	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	12.5	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	31.25	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	25	3.14E-02	7.53E-03	9.47E-02	2.56E-05	0.00E+00	7.38E-05	7.38E-05	0.00E+00	6.79E-05	6.79E-05	2.59E+00	1.80E-03	1.10E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	25	9.43E-03	2.26E-03	2.84E-02	7.69E-06	0.00E+00	2.21E-05	2.21E-05	0.00E+00	2.04E-05	2.04E-05	7.77E-01	5.39E-04	3.31E-04
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	25	2.52E-02	6.03E-03	7.58E-02	2.05E-05	0.00E+00	5.90E-05	5.90E-05	0.00E+00	5.43E-05	5.43E-05	2.07E+00	1.44E-03	8.82E-04
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	25	25	1.57E-02	3.77E-03	4.74E-02	1.28E-05	0.00E+00	3.69E-05	3.69E-05	0.00E+00	3.39E-05	3.39E-05	1.30E+00	8.98E-04	5.51E-04
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	25	1.57E-02	3.77E-03	4.74E-02	1.28E-05	0.00E+00	3.69E-05	3.69E-05	0.00E+00	3.39E-05	3.39E-05	1.30E+00	8.98E-04	5.51E-04
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	25	9.43E-03	2.26E-03	2.84E-02	7.69E-06	0.00E+00	2.21E-05	2.21E-05	0.00E+00	2.04E-05	2.04E-05	7.77E-01	5.39E-04	3.31E-04
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	10	25	6.29E-03	1.51E-03	1.89E-02	5.13E-06	0.00E+00	1.48E-05	1.48E-05	0.00E+00	1.36E-05	1.36E-05	5.18E-01	3.59E-04	2.21E-04
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	10	25	6.29E-03	1.51E-03	1.89E-02	5.13E-06	0.00E+00	1.48E-05	1.48E-05	0.00E+00	1.36E-05	1.36E-05	5.18E-01	3.59E-04	2.21E-04
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	10	25	6.29E-03	1.51E-03	1.89E-02	5.13E-06	0.00E+00	1.48E-05	1.48E-05	0.00E+00	1.36E-05	1.36E-05	5.18E-01	3.59E-04	2.21E-04
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	25	25	1.57E-02	3.77E-03	4.74E-02	1.28E-05	0.00E+00	3.69E-05	3.69E-05	0.00E+00	3.39E-05	3.39E-05	1.30E+00	8.98E-04	5.51E-04
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	25	2.95E-02	7.24E-03	9.24E-02	2.51E-05	0.00E+00	6.95E-05	6.95E-05	0.00E+00	6.39E-05	6.39E-05	2.53E+00	1.69E-03	1.08E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	25	8.86E-03	2.17E-03	2.77E-02	7.52E-06	0.00E+00	2.08E-05	2.08E-05	0.00E+00	1.92E-05	1.92E-05	7.60E-01	5.07E-04	3.23E-04
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	25	2.36E-02	5.79E-03	7.39E-02	2.01E-05	0.00E+00	5.56E-05	5.56E-05	0.00E+00	5.11E-05	5.11E-05	2.03E+00	1.35E-03	8.62E-04
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	25	1.48E-02	3.62E-03	4.62E-02	1.25E-05	0.00E+00	3.47E-05	3.47E-05	0.00E+00	3.19E-05	3.19E-05	1.27E+00	8.44E-04	5.39E-04
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	25	1.48E-02	3.62E-03	4.62E-02	1.25E-05	0.00E+00	3.47E-05	3.47E-05	0.00E+00	3.19E-05	3.19E-05	1.27E+00	8.44E-04	5.39E-04
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	25	8.86E-03	2.17E-03	2.77E-02	7.52E-06	0.00E+00	2.08E-05	2.08E-05	0.00E+00	1.92E-05	1.92E-05	7.60E-01	5.07E-04	3.23E-04
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	25	5.90E-03	1.45E-03	1.85E-02	5.02E-06	0.00E+00	1.39E-05	1.39E-05	0.00E+00	1.28E-05	1.28E-05	5.07E-01	3.38E-04	2.16E-04
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	25	5.90E-03	1.45E-03	1.85E-02	5.02E-06	0.00E+00	1.39E-05	1.39E-05	0.00E+00	1.28E-05	1.28E-05	5.07E-01	3.38E-04	2.16E-04
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	25	5.90E-03	1.45E-03	1.85E-02	5.02E-06	0.00E+00	1.39E-05	1.39E-05	0.00E+00	1.28E-05	1.28E-05	5.07E-01	3.38E-04	2.16E-04
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	25	1.48E-02	3.62E-03	4.62E-02	1.25E-05	0.00E+00	3.47E-05	3.47E-05	0.00E+00	3.19E-05	3.19E-05	1.27E+00	8.44E-04	5.39E-04
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	25	2.78E-02	7.00E-03	9.03E-02	2.46E-05	0.00E+00	6.54E-05	6.54E-05	0.00E+00	6.01E-05	6.01E-05	2.48E+00	1.59E-03	1.06E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	15	25	8.34E-03	2.10E-03	2.71E-02	7.38E-06	0.00E+00	1.96E-05	1.96E-05	0.00E+00	1.80E-05	1.80E-05	7.45E-01	4.78E-04	3.17E-04
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	40	25	2.22E-02	5.60E-03	7.22E-02	1.97E-05	0.00E+00	5.23E-05	5.23E-05	0.00E+00	4.81E-05	4.81E-05	1.99E+00	1.27E-03	8.46E-04
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	25	25	1.39E-02	3.50E-03	4.51E-02	1.23E-05	0.00E+00	3.27E-05	3.27E-05	0.00E+00	3.01E-05	3.01E-05	1.24E+00	7.97E-04	5.29E-04
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	25	1.39E-02	3.50E-03	4.51E-02	1.23E-05	0.00E+00	3.27E-05	3.27E-05	0.00E+00	3.01E-05	3.01E-05	1.24E+00	7.97E-04	5.29E-04
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	25	8.34E-03	2.10E-03	2.71E-02	7.38E-06	0.00E+00	1.96E-05	1.96E-05	0.00E+00	1.80E-05	1.80E-05	7.45E-01	4.78E-04	3.17E-04
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	10	25	5.56E-03	1.40E-03	1.81E-02	4.92E-06	0.00E+00	1.31E-05	1.31E-05	0.00E+00	1.20E-05	1.20E-05	4.97E-01	3.19E-04	2.12E-04
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	10	25	5.56E-03	1.40E-03	1.81E-02	4.92E-06	0.00E+00	1.31E-05	1.31E-05	0.00E+00	1.20E-05	1.20E-05	4.97E-01	3.19E-04	2.12E-04
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	10	25	5.56E-03	1.40E-03	1.81E-02	4.92E-06	0.00E+00	1.31E-05	1.31E-05	0.00E+00	1.20E-05	1.20E-05	4.97E-01	3.19E-04	2.12E-04
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	25	25	1.39E-02	3.50E-03	4.51E-02	1.23E-05	0.00E+00	3.27E-05	3.27E-05	0.00E+00	3.01E-05	3.01E-05	1.24E+00	7.97E-04	5.29E-04
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	25	7.88E-03	2.04E-03	2.65E-02	7.24E-06	0.00E+00	1.85E-05	1.85E-05	0.00E+00	1.70E-05	1.70E-05	7.32E-01	4.53E-04	3.12E-04
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	40	25	2.10E-02	5.44E-03	7.07E-02	1.93E-05	0.00E+00	4.93E-05	4.93E-05	0.00E+00	4.53E-05	4.53E-05	1.95E+00	1.21E-03	8.33E-04
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	25	25	1.31E-02	3.40E-03	4.42E-02	1.21E-05	0.00E+00	3.08E-05	3.08E-05	0.00E+00	2.83E-05	2.83E-05	1.22E+00	7.55E-04	5.20E-04
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	25	25	1.31E-02	3.40E-03	4.42E-02	1.21E-05	0.00E+00	3.08E-05	3.08E-05	0.00E+00	2.83E-05	2.83E-05	1.22E+00	7.55E-04	5.20E-04
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	25	7.88E-03	2.04E-03	2.65E-02	7.24E-06	0.00E+00	1.85E-05	1.85E-05	0.00E+00	1.70E-05	1.70E-05	7.32E-01	4.53E-04	3.12E-04
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	10	25	5.25E-03	1.36E-03	1.77E-02	4.83E-06	0.00E+00	1.23E-05	1.23E-05	0.00E+00	1.13E-05	1.13E-05	4.88E-01	3.02E-04	2.08E-04
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	10	25	5.25E-03	1.36E-03	1.77E-02	4.83E-06	0.00E+00	1.23E-05	1.23E-05	0.00E+00	1.13E-05	1.13E-05	4.88E-01	3.02E-04	2.08E-04
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	10	25	5.25E-03	1.36E-03	1.77E-02	4.83E-06	0.00E+00	1.23E-05	1.23E-05	0.00E+00	1.13E-05	1.13E-05	4.88E-01	3.02E-04	2.08E-04
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	25	25	1.31E-02	3.40E-03	4.42E-02	1.21E-05	0.00E+00	3.08E-05	3.08E-05	0.00E+00	2.83E-05	2.83E-05	1.22E+00	7.55E-04	5.20E-04
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	18.75	25	9.33E-03	2.49E-03	3.25E-02	8.91E-06	0.00E+00	2.18E-05	2.18E-05	0.00E+00	2.00E-05	2.00E-05	9.00E-01	5.37E-04	3.85E-04
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	50	25	2.49E-02	6.64E-03	8.66E-02	2.38E-05	0.00E+00	5.80E-05	5.80E-05	0.00E+00	5.34E-05	5.34E-05	2.40E+00	1.43E-03	1.03E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	31.25	25	1.55E-02	4.15E-03	5.41E-02	1.48E-05	0.00E+00	3.63E-05	3.63E-05	0.00E+00	3.34E-05	3.34E-05	1.50E+00	8.95E-04	6.42E-04
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	31.25	25	1.55E-02	4.15E-03	5.41E-02	1.48E-05	0.00E+00	3.63E-05	3.63E-05	0.00E+00	3.34E-05	3.34E-05	1.50E+00	8.95E-04	6.42E-04
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	18.75	25	9.33E-03	2.49E-03	3.25E-02	8.91E-06	0.00E+00	2.18E-05	2.18E-05	0.00E+00	2.00E-05	2.00E-05	9.00E-01	5.37E-04	3.85E-04
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	12.5	25	6.22E-03	1.66E-03	2.17E-02	5.94E-06	0.00E+00	1.45E-05	1.45E-05	0.00E+00	1.33E-05	1.33E-05	6.00E-01	3.58E-04	2.57E-04
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	12.5	25	6.22E-03	1.66E-03	2.17E-02	5.94E-06	0.00E+00	1.45E-05	1.45E-05	0.00E+00	1.33E-05	1.33E-05	6.00E-01	3.58E-04	2.57E-04
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	12.5	25	6.22E-03	1.66E-03	2.17E-02	5.94E-06	0.00E+00	1.45E-05	1.45E-05	0.00E+00	1.33E-05	1.33E-05	6.00E-01	3.58E-04	2.57E-04
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	31.25	25	1.55E-02	4.15E-03	5.41E-02	1.48E-05	0.00E+00	3.63E-05	3.63E-05	0.00E+00	3.34E-05	3.34E-05	1.50E+00	8.95E-04	6.42E-04

					Worker Running Emission Factors												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission Factor (g/mile)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	10	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	25	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	15	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	10	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	25	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	10	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	12.5	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	37.5	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	17.5	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	25	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	12.5	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	17.5	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	50	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	10	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	10	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	50	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	25	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	15	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	25	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	40	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	0	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	15	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	10	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	50	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	25	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	25	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	37.5	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	25	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	17.5	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	12.5	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	25	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	25	1.85E-02	8.13E-02	1.53E+00	6.42E-03	9.50E-01	3.23E-03	9.53E-01	2.52E-01	2.97E-03	2.55E-01	6.49E+02	4.94E-03	1.04E-02
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	25	5.56E-03	2.44E-02	4.59E-01	1.93E-03	2.85E-01	9.70E-04	2.86E-01	7.55E-02	8.92E-04	7.64E-02	1.95E+02	1.48E-03	3.13E-03
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	25	1.48E-02	6.51E-02	1.23E+00	5.14E-03	7.60E-01	2.59E-03	7.62E-01	2.01E-01	2.38E-03	2.04E-01	5.19E+02	3.95E-03	8.35E-03
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	10	25	3.71E-03	1.63E-02	3.06E-01	1.28E-03	1.90E-01	6.46E-04	1.91E-01	5.03E-02	5.95E-04	5.09E-02	1.30E+02	9.88E-04	2.09E-03
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	25	9.27E-03	4.07E-02	7.66E-01	3.21E-03	4.75E-01	1.62E-03	4.76E-01	1.26E-01	1.49E-03	1.27E-01	3.24E+02	2.47E-03	5.22E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	25	25	9.27E-03	4.07E-02	7.66E-01	3.21E-03	4.75E-01	1.62E-03	4.76E-01	1.26E-01	1.49E-03	1.27E-01	3.24E+02	2.47E-03	5.22E-03
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	15	25	5.56E-03	2.44E-02	4.59E-01	1.93E-03	2.85E-01	9.70E-04	2.86E-01	7.55E-02	8.92E-04	7.64E-02	1.95E+02	1.48E-03	3.13E-03
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	10	25	3.71E-03	1.63E-02	3.06E-01	1.28E-03	1.90E-01	6.46E-04	1.91E-01	5.03E-02	5.95E-04	5.09E-02	1.30E+02	9.88E-04	2.09E-03
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	25	25	9.27E-03	4.07E-02	7.66E-01	3.21E-03	4.75E-01	1.62E-03	4.76E-01	1.26E-01	1.49E-03	1.27E-01	3.24E+02	2.47E-03	5.22E-03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	10	25	3.71E-03	1.63E-02	3.06E-01	1.28E-03	1.90E-01	6.46E-04	1.91E-01	5.03E-02	5.95E-04	5.09E-02	1.30E+02	9.88E-04	2.09E-03
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	25	1.67E-02	7.50E-02	1.47E+00	6.30E-03	9.50E-01	3.03E-03	9.53E-01	2.52E-01	2.79E-03	2.55E-01	6.37E+02	4.53E-03	1.01E-02
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	25	5.02E-03	2.25E-02	4.42E-01	1.89E-03	2.85E-01	9.10E-04	2.86E-01	7.55E-02	8.37E-04	7.64E-02	1.91E+02	1.36E-03	3.02E-03
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	25	1.34E-02	6.00E-02	1.18E+00	5.04E-03	7.60E-01	2.43E-03	7.62E-01	2.01E-01	2.23E-03	2.04E-01	5.10E+02	3.62E-03	8.06E-03
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	25	8.37E-03	3.75E-02	7.37E-01	3.15E-03	4.75E-01	1.52E-03	4.76E-01	1.26E-01	1.40E-03	1.27E-01	3.18E+02	2.27E-03	5.04E-03
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	25	8.37E-03	3.75E-02	7.37E-01	3.15E-03	4.75E-01	1.52E-03	4.76E-01	1.26E-01	1.40E-03	1.27E-01	3.18E+02	2.27E-03	5.04E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	25	5.02E-03	2.25E-02	4.42E-01	1.89E-03	2.85E-01	9.10E-04	2.86E-01	7.55E-02	8.37E-04	7.64E-02	1.91E+02	1.36E-03	3.02E-03
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	25	3.35E-03	1.50E-02	2.95E-01	1.26E-03	1.90E-01	6.07E-04	1.91E-01	5.03E-02	5.58E-04	5.09E-02	1.27E+02	9.06E-04	2.01E-03
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	25	3.35E-03	1.50E-02	2.95E-01	1.26E-03	1.90E-01	6.07E-04	1.91E-01	5.03E-02	5.58E-04	5.09E-02	1.27E+02	9.06E-04	2.01E-03
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	25	3.35E-03	1.50E-02	2.95E-01	1.26E-03	1.90E-01	6.07E-04	1.91E-01	5.03E-02	5.58E-04	5.09E-02	1.27E+02	9.06E-04	2.01E-03
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	25	8.37E-03	3.75E-02	7.37E-01	3.15E-03	4.75E-01	1.52E-03	4.76E-01	1.26E-01	1.40E-03	1.27E-01	3.18E+02	2.27E-03	5.04E-03
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	25	1.51E-02	6.98E-02	1.42E+00	6.19E-03	9.50E-01	2.84E-03	9.52E-01	2.52E-01	2.61E-03	2.54E-01	6.26E+02	4.16E-03	9.76E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	12.5	25	3.77E-03	1.74E-02	3.55E-01	1.55E-03	2.37E-01	7.10E-04	2.38E-01	6.29E-02	6.53E-04	6.36E-02	1.56E+02	1.04E-03	2.44E-03
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	25	7.55E-03	3.49E-02	7.10E-01	3.10E-03	4.75E-01	1.42E-03	4.76E-01	1.26E-01	1.31E-03	1.27E-01	3.13E+02	2.08E-03	4.88E-03
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	37.5	25	1.13E-02	5.23E-02	1.07E+00	4.64E-03	7.12E-01	2.13E-03	7.14E-01	1.89E-01	1.96E-03	1.91E-01	4.69E+02	3.12E-03	7.32E-03
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	25	7.55E-03	3.49E-02	7.10E-01	3.10E-03	4.75E-01	1.42E-03	4.76E-01	1.26E-01	1.31E-03	1.27E-01	3.13E+02	2.08E-03	4.88E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	25	4.53E-03	2.09E-02	4.26E-01	1.86E-03	2.85E-01	8.52E-04	2.86E-01	7.55E-02	7.84E-04	7.63E-02	1.88E+02	1.25E-03	2.93E-03
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	17.5	25	5.28E-03	2.44E-02	4.97E-01	2.17E-03	3.32E-01	9.94E-04	3.33E-01	8.81E-02	9.15E-04	8.90E-02	2.19E+02	1.45E-03	3.42E-03
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	25	25	7.55E-03	3.49E-02	7.10E-01	3.10E-03	4.75E-01	1.42E-03	4.76E-01	1.26E-01	1.31E-03	1.27E-01	3.13E+02	2.08E-03	4.88E-03
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	12.5	25	3.77E-03	1.74E-02	3.55E-01	1.55E-03	2.37E-01	7.10E-04	2.38E-01	6.29E-02	6.53E-04	6.36E-02	1.56E+02	1.04E-03	2.44E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	17.5	25	5.28E-03	2.44E-02	4.97E-01	2.17E-03	3.32E-01	9.94E-04	3.33E-01	8.81E-02	9.15E-04	8.90E-02	2.19E+02	1.45E-03	3.42E-03
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	50	25	1.37E-02	6.54E-02	1.37E+00	6.10E-03	9.50E-01	2.66E-03	9.52E-01	2.52E-01	2.45E-03	2.54E-01	6.16E+02	3.83E-03	9.50E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	10	25	2.74E-03	1.31E-02	2.75E-01	1.22E-03	1.90E-01	5.33E-04	1.90E-01	5.03E-02	4.90E-04	5.08E-02	1.23E+02	7.67E-04	1.90E-03
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	10	25	2.74E-03	1.31E-02	2.75E-01	1.22E-03	1.90E-01	5.33E-04	1.90E-01	5.03E-02	4.90E-04	5.08E-02	1.23E+02	7.67E-04	1.90E-03
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	50	25	1.37E-02	6.54E-02	1.37E+00	6.10E-03	9.50E-01	2.66E-03	9.52E-01	2.52E-01	2.45E-03	2.54E-01	6.16E+02	3.83E-03	9.50E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	25	25	6.84E-03	3.27E-02	6.87E-01	3.05E-03	4.75E-01	1.33E-03	4.76E-01	1.26E-01	1.23E-03	1.27E-01	3.08E+02	1.92E-03	4.75E-03
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	15	25	4.10E-03	1.96E-02	4.12E-01	1.83E-03	2.85E-01	7.99E-04	2.86E-01	7.55E-02	7.36E-04	7.63E-02	1.85E+02	1.15E-03	2.85E-03
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	25	25	6.84E-03	3.27E-02	6.87E-01	3.05E-03	4.75E-01	1.33E-03	4.76E-01	1.26E-01	1.23E-03	1.27E-01	3.08E+02	1.92E-03	4.75E-03
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	40	25	1.09E-02	5.23E-02	1.10E+00	4.88E-03	7.60E-01	2.13E-03	7.62E-01	2.01E-01	1.96E-03	2.03E-01	4.93E+02	3.07E-03	7.60E-03
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	15	25	4.10E-03	1.96E-02	4.12E-01	1.83E-03	2.85E-01	7.99E-04	2.86E-01	7.55E-02	7.36E-04	7.63E-02	1.85E+02	1.15E-03	2.85E-03
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	10	25	2.48E-03	1.24E-02	2.66E-01	1.20E-03	1.90E-01	5.01E-04	1.90E-01	5.03E-02	4.61E-04	5.08E-02	1.22E+02	7.08E-04	1.86E-03
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	50	25	1.24E-02	6.18E-02	1.33E+00	6.01E-03	9.50E-01	2.50E-03	9.52E-01	2.52E-01	2.30E-03	2.54E-01	6.08E+02	3.54E-03	9.29E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	25	25	6.20E-03	3.09E-02	6.66E-01	3.01E-03	4.75E-01	1.25E-03	4.76E-01	1.26E-01	1.15E-03	1.27E-01	3.04E+02	1.77E-03	4.64E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	25	25	6.20E-03	3.09E-02	6.66E-01	3.01E-03	4.75E-01	1.25E-03	4.76E-01	1.26E-01	1.15E-03	1.27E-01	3.04E+02	1.77E-03	4.64E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	37.5	25	9.29E-03	4.63E-02	9.99E-01	4.51E-03	7.12E-01	1.88E-03	7.14E-01	1.89E-01	1.73E-03	1.91E-01	4.56E+02	2.66E-03	6.97E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	25	25	6.20E-03	3.09E-02	6.66E-01	3.01E-03	4.75E-01	1.25E-03	4.76E-01	1.26E-01	1.15E-03	1.27E-01	3.04E+02	1.77E-03	4.64E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	25	3.72E-03	1.85E-02	4.00E-01	1.80E-03	2.85E-01	7.51E-04	2.86E-01	7.55E-02	6.91E-04	7.62E-02	1.82E+02	1.06E-03	2.79E-03
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	17.5	25	4.34E-03	2.16E-02	4.66E-01	2.10E-03	3.32E-01	8.76E-04	3.33E-01	8.81E-02	8.06E-04	8.89E-02	2.13E+02	1.24E-03	3.25E-03
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	12.5	25	3.10E-03	1.54E-02	3.33E-01	1.50E-03	2.37E-01	6.26E-04	2.38E-01	6.29E-02	5.76E-04	6.35E-02	1.52E+02	8.85E-04	2.32E-03
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	25	25	6.20E-03	3.09E-02	6.66E-01	3.01E-03	4.75E-01	1.25E-03	4.76E-01	1.26E-01	1.15E-03	1.27E-01	3.04E+02	1.77E-03	4.64E-03

World Logistics Center-Construction Plots 11, 12, & 21,22 (2030-2034)-Unmitigated

South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	40,600.00	1000sqft	2,419.90	40,600,000.00	0
Parking Lot	123.60	Acre	123.60	5,384,016.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Construction Assumptions

Construction Phase - Project schedule

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	155,000.00	260.00
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tblConstructionPhase	NumDays	155,000.00	260.00

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tblGrading	AcresOfGrading	2,112.50	5,813.00
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tblGrading	AcresOfGrading	0.00	179.00
tblLandUse	LotAcreage	932.05	2,419.90
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tblOffRoadEquipment	UsageHours	8.00	10.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2030	44.7467	183.5612	309.8580	0.8470	54.7507	6.0732	60.8239	19.2117	6.0732	25.2849	0.0000	89,335.8754	89,335.8754	3.7562	0.0000	89,429.7812
2031	36.4428	140.6578	277.6530	0.7195	39.6955	4.4644	44.1600	10.9362	4.4644	15.4006	0.0000	74,640.9153	74,640.9153	3.0101	0.0000	74,716.1684
2032	33.6731	129.5126	253.0647	0.6600	27.6405	3.9990	31.6395	9.6345	3.9990	13.6334	0.0000	68,687.5817	68,687.5817	2.7658	0.0000	68,756.7260
2033	24.3038	90.4129	213.4457	0.4815	8.0579	2.5850	10.6428	4.1950	2.5850	6.7800	0.0000	48,211.6857	48,211.6857	1.9333	0.0000	48,260.0168
2034	23.6285	87.0000	206.2810	0.4689	8.2577	2.4087	10.6664	4.2166	2.4087	6.6253	0.0000	47,030.7156	47,030.7156	1.8729	0.0000	47,077.5385
Maximum	**44.7467**	**183.5612**	**309.8580**	**0.8470**	**54.7507**	**6.0732**	**60.8239**	**19.2117**	**6.0732**	**25.2849**	**0.0000**	**89,335.8754**	**89,335.8754**	**3.7562**	**0.0000**	**89,429.7812**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2030	44.7467	183.5612	309.8580	0.8470	21.3528	6.0732	27.4260	7.4926	6.0732	13.5657	0.0000	89,335.8754	89,335.8754	3.7562	0.0000	89,429.7811
2031	36.4428	140.6578	277.6530	0.7195	15.4813	4.4644	19.9457	4.2651	4.4644	8.7295	0.0000	74,640.9153	74,640.9153	3.0101	0.0000	74,716.1684

2032	33.6731	129.5126	253.0647	0.6600	10.7798	3.9990	14.7788	3.7575	3.9990	7.7564	0.0000	68,687.5816	68,687.5816	2.7658	0.0000	68,756.7259
2033	24.3038	90.4129	213.4457	0.4815	3.1426	2.5850	5.7275	1.6361	2.5850	4.2211	0.0000	48,211.6856	48,211.6856	1.9333	0.0000	48,260.0167
2034	23.6285	87.0000	206.2810	0.4689	3.2205	2.4087	5.6292	1.6445	2.4087	4.0532	0.0000	47,030.7156	47,030.7156	1.8729	0.0000	47,077.5384
Maximum	**44.7467**	**183.5612**	**309.8580**	**0.8470**	**21.3528**	**6.0732**	**27.4260**	**7.4926**	**6.0732**	**13.5657**	**0.0000**	**89,335.8754**	**89,335.8754**	**3.7562**	**0.0000**	**89,429.7811**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**61.00**	**0.00**	**53.46**	**61.00**	**0.00**	**43.41**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	909.6882	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Energy	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
Total	**912.1233**	**22.1746**	**22.7268**	**0.1331**		**1.6971**	**1.6971**		**1.6971**	**1.6971**		**26,573.9407**	**26,573.9407**	**0.5321**	**0.4870**	**26,732.3774**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	909.6882	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Energy	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909

Total	912.1233	22.1746	22.7268	0.1331		1.6971	1.6971		1.6971	1.6971		26,573.9407	26,573.9407	0.5321	0.4870	26,732.3774

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Plot 11 (2030) Mass Excavation	Grading	1/1/2030	12/30/2030	5	260	11
2	Plot 11 (2030) Finish Grading	Grading	1/1/2030	12/30/2030	5	260	12
3	Plot 11 (2030) Utilities	Trenching	1/1/2030	12/30/2030	5	260	13
4	Plot 11 (2030) Building-Concrete	Building Construction	1/1/2030	12/30/2030	5	260	14
5	Plot 11 (2030) Building-Wet Utilities	Building Construction	1/1/2030	12/30/2030	5	260	15
6	Plot 11 (2030) Building-Electrical	Building Construction	1/1/2030	12/30/2030	5	260	16
7	Plot 11 (2030) Building-Landscaping	Building Construction	1/1/2030	12/30/2030	5	260	17
8	Plot 11 (2030) Landscaping	Building Construction	1/1/2030	12/30/2030	5	260	18
9	Plot 11 (2030) Temporary Utilities	Building Construction	1/1/2030	12/30/2030	5	260	19
10	Plot 11 (2030) Curbing/Drive Approaches	Paving	1/1/2030	12/30/2030	5	260	20
11	Plot 11 (2030) Paving	Paving	1/1/2030	12/30/2030	5	260	21
12	Plot 11 (2031) Mass Excavation	Grading	1/1/2031	12/30/2031	5	260	22
13	Plot 11 (2031) Finish Grading	Grading	1/1/2031	12/30/2031	5	260	23
14	Plot 11 (2031) Utilities	Trenching	1/1/2031	12/30/2031	5	260	24
15	Plot 11 (2031) Building-Concrete	Building Construction	1/1/2031	12/30/2031	5	260	25
16	Plot 11 (2031) Building-Wet Utilities	Building Construction	1/1/2031	12/30/2031	5	260	26
17	Plot 11 (2031) Building-Electrical	Building Construction	1/1/2031	12/30/2031	5	260	27
18	Plot 11 (2031) Building-Landscaping	Building Construction	1/1/2031	12/30/2031	5	260	28
19	Plot 11 (2031) Landscaping	Building Construction	1/1/2031	12/30/2031	5	260	29
20	Plot 11 (2031) Temporary Utilities	Building Construction	1/1/2031	12/30/2031	5	260	30
21	Plot 11 (2031) Curbing/Drive Approaches	Paving	1/1/2031	12/30/2031	5	260	31

22	Plot 11 (2031) Paving	Paving	1/1/2031	12/30/2031	5	260	32
23	Plots 11 and 12 (2032) Mass Excavation	Grading	1/1/2032	12/29/2032	5	260	33
24	Plots 11 and 12 (2032) Finish Grading	Grading	1/1/2032	12/29/2032	5	260	34
25	Plots 11 and 12 (2032) Utilities	Trenching	1/1/2032	12/29/2032	5	260	35
26	Plots 11 and 12 (2032) Building-Concrete	Building Construction	1/1/2032	12/29/2032	5	260	36
27	Plots 11 and 12 (2032) Building-Wet Utilities	Building Construction	1/1/2032	12/29/2032	5	260	37
28	Plots 11 and 12 (2032) Building-Electrical	Building Construction	1/1/2032	12/29/2032	5	260	38
29	Plots 11 and 12 (2032) Building-Landscaping	Building Construction	1/1/2032	12/29/2032	5	260	39
30	Plots 11 and 12 (2032) Landscaping	Building Construction	1/1/2032	12/29/2032	5	260	40
31	Plots 11 and 12 (2032) Temporary Utilities	Building Construction	1/1/2032	12/29/2032	5	260	41
32	Plots 11 and 12 (2032) Curbing/Drive Approaches	Paving	1/1/2032	12/29/2032	5	260	42
33	Plots 11 and 12 (2032) Paving	Paving	1/1/2032	12/29/2032	5	260	43
34	Plot 12 (2033) Finish Grading	Grading	1/1/2033	12/30/2033	5	260	45
35	Plot 12 (2033) Utilities	Trenching	1/1/2033	12/30/2033	5	260	46
36	Plot 12 (2033) Building-Concrete	Building Construction	1/1/2033	12/30/2033	5	260	47
37	Plot 12 (2033) Building-Wet Utilities	Building Construction	1/1/2033	12/30/2033	5	260	48
38	Plot 12 (2033) Building-Electrical	Building Construction	1/1/2033	12/30/2033	5	260	49
39	Plot 12 (2033) Building-Landscaping	Building Construction	1/1/2033	12/30/2033	5	260	50
40	Plot 12 (2033) Landscaping	Building Construction	1/1/2033	12/30/2033	5	260	51
41	Plot 12 (2033) Temporary Utilities	Building Construction	1/1/2033	12/30/2033	5	260	52
42	Plot 12 (2033) Curbing/Drive Approaches	Paving	1/1/2033	12/30/2033	5	260	53
43	Plot 12 (2033) Paving	Paving	1/1/2033	12/30/2033	5	260	54
44	Plots 12 and 21,22 (2034) Finish Grading	Grading	1/1/2034	12/31/2034	5	260	56
45	Plots 12 and 21,22 (2034) Utilities	Trenching	1/1/2034	12/31/2034	5	260	57
46	Plots 12 and 21,22 (2034) Building-Concrete	Building Construction	1/1/2034	12/31/2034	5	260	58
47	Plots 12 and 21,22 (2034) Building-Wet Utilities	Building Construction	1/1/2034	12/31/2034	5	260	59
48	Plots 12 and 21,22 (2034) Building-Electrical	Building Construction	1/1/2034	12/31/2034	5	260	60
49	Plots 12 and 21,22 (2034) Building-Landscaping	Building Construction	1/1/2034	12/29/2034	5	260	61
50	Plots 12 and 21,22 (2034) Landscaping	Building Construction	1/1/2034	12/29/2034	5	260	62
51	Plots 12 and 21,22 (2034) Temporary Utilities	Building Construction	1/1/2034	12/29/2034	5	260	63
52	Plots 12 and 21,22 (2034) Curbing/Drive Approaches	Paving	1/1/2034	12/29/2034	5	260	64
53	Plots 12 and 21,22 (2034) Paving	Paving	1/1/2034	12/29/2034	5	260	65

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 123.6

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Plot 11 (2030) Mass Excavation	Graders	1	10.00	193	0.41
Plot 11 (2030) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plot 11 (2030) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2030) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2030) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 11 (2030) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 11 (2030) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plot 11 (2030) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plot 11 (2030) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plot 11 (2030) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plot 11 (2030) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plot 11 (2030) Mass Excavation	Rubber Tired Dozers	1	10.00	85	0.40
Plot 11 (2030) Mass Excavation	Scrapers	6	10.00	550	0.48
Plot 11 (2030) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2030) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2030) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2030) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plot 11 (2030) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plot 11 (2030) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2030) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 11 (2030) Utilities	Excavators	1	10.00	523	0.38
Plot 11 (2030) Utilities	Excavators	5	10.00	286	0.38
Plot 11 (2030) Utilities	Excavators	1	10.00	190	0.38

Plot 11 (2030) Utilities	Excavators	2	10.00	396	0.38
Plot 11 (2030) Utilities	Excavators	1	10.00	190	0.38
Plot 11 (2030) Utilities	Excavators	1	10.00	188	0.38
Plot 11 (2030) Utilities	Excavators	4	10.00	40	0.38
Plot 11 (2030) Utilities	Forklifts	2	10.00	89	0.20
Plot 11 (2030) Utilities	Other Material Handling Equipment	4	1.00	167	0.40
Plot 11 (2030) Utilities	Other Material Handling Equipment	10	1.00	167	0.40
Plot 11 (2030) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2030) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2030) Building-Concrete	Cement and Mortar Mixers	10	1.00	9	0.56
Plot 11 (2030) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2030) Building-Concrete	Pumps	1	10.00	84	0.74
Plot 11 (2030) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2030) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plot 11 (2030) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plot 11 (2030) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plot 11 (2030) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 11 (2030) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plot 11 (2030) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plot 11 (2030) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 11 (2030) Building-Electrical	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 11 (2030) Building-Electrical	Excavators	4	10.00	40	0.38
Plot 11 (2030) Building-Electrical	Forklifts	2	10.00	89	0.20
Plot 11 (2030) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2030) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2030) Building-Landscaping	Excavators	1	10.00	29	0.38
Plot 11 (2030) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plot 11 (2030) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 11 (2030) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 11 (2030) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 11 (2030) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 11 (2030) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37

Plot 11 (2030) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 11 (2030) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plot 11 (2030) Landscaping	Excavators	1	10.00	29	0.38
Plot 11 (2030) Landscaping	Forklifts	1	10.00	125	0.20
Plot 11 (2030) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2030) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plot 11 (2030) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 11 (2030) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 11 (2030) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 11 (2030) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 11 (2030) Landscaping	Trenchers	1	10.00	39	0.50
Plot 11 (2030) Temporary Utilities	Cranes	1	10.00	445	0.29
Plot 11 (2030) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plot 11 (2030) Curbing/Drive Approaches	Other Material Handling Equipment	2	1.00	167	0.40
Plot 11 (2030) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2030) Paving	Pavers	1	10.00	126	0.42
Plot 11 (2030) Paving	Paving Equipment	1	10.00	131	0.36
Plot 11 (2030) Paving	Plate Compactors	1	10.00	8	0.43
Plot 11 (2030) Paving	Rollers	1	10.00	81	0.38
Plot 11 (2030) Paving	Scrapers	1	10.00	362	0.48
Plot 11 (2030) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37
Plot 11 (2031) Mass Excavation	Graders	1	10.00	193	0.41
Plot 11 (2031) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plot 11 (2031) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2031) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2031) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 11 (2031) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 11 (2031) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plot 11 (2031) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plot 11 (2031) Mass Excavation	Rubber Tired Dozers	1	10.00	85	0.40
Plot 11 (2031) Mass Excavation	Scrapers	6	10.00	550	0.48
Plot 11 (2031) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37

Plot 11 (2031) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2031) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2031) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plot 11 (2031) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plot 11 (2031) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2031) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 11 (2031) Utilities	Excavators	1	10.00	523	0.38
Plot 11 (2031) Utilities	Excavators	5	10.00	286	0.38
Plot 11 (2031) Utilities	Excavators	1	10.00	190	0.38
Plot 11 (2031) Utilities	Excavators	2	10.00	396	0.38
Plot 11 (2031) Utilities	Excavators	1	10.00	190	0.38
Plot 11 (2031) Utilities	Excavators	1	10.00	188	0.38
Plot 11 (2031) Utilities	Excavators	4	10.00	40	0.38
Plot 11 (2031) Utilities	Forklifts	2	10.00	89	0.20
Plot 11 (2031) Utilities	Other Material Handling Equipment	4	1.00	167	0.40
Plot 11 (2031) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 11 (2031) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2031) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2031) Building-Concrete	Cement and Mortar Mixers	10	1.00	9	0.56
Plot 11 (2031) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2031) Building-Concrete	Pumps	1	10.00	84	0.74
Plot 11 (2031) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2031) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plot 11 (2031) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plot 11 (2031) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plot 11 (2031) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 11 (2031) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plot 11 (2031) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plot 11 (2031) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 11 (2031) Building-Electrical	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 11 (2031) Building-Electrical	Excavators	4	10.00	40	0.38
Plot 11 (2031) Building-Electrical	Forklifts	2	10.00	89	0.20

Plot 11 (2031) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2031) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2031) Building-Landscaping	Excavators	1	10.00	29	0.38
Plot 11 (2031) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plot 11 (2031) Building-Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2031) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 11 (2031) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 11 (2031) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 11 (2031) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 11 (2031) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 11 (2031) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plot 11 (2031) Landscaping	Excavators	1	10.00	29	0.38
Plot 11 (2031) Landscaping	Forklifts	1	10.00	125	0.20
Plot 11 (2031) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2031) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plot 11 (2031) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 11 (2031) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 11 (2031) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 11 (2031) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 11 (2031) Landscaping	Trenchers	1	10.00	39	0.50
Plot 11 (2031) Temporary Utilities	Cranes	1	10.00	445	0.29
Plot 11 (2031) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plot 11 (2031) Curbing/Drive Approaches	Other Material Handling Equipment	2	1.00	167	0.40
Plot 11 (2031) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plot 11 (2031) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plot 11 (2031) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plot 11 (2031) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2031) Paving	Pavers	1	10.00	126	0.42
Plot 11 (2031) Paving	Paving Equipment	1	10.00	131	0.36
Plot 11 (2031) Paving	Plate Compactors	1	10.00	8	0.43
Plot 11 (2031) Paving	Rollers	1	10.00	81	0.38
Plot 11 (2031) Paving	Scrapers	1	10.00	362	0.48

Plot 11 (2031) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37
Plots 11 and 12 (2032) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plots 11 and 12 (2032) Mass Excavation	Rubber Tired Dozers	1	10.00	85	0.40
Plots 11 and 12 (2032) Mass Excavation	Scrapers	6	10.00	550	0.48
Plots 11 and 12 (2032) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 12 (2032) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 12 (2032) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plots 11 and 12 (2032) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plots 11 and 12 (2032) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 11 and 12 (2032) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plots 11 and 12 (2032) Utilities	Excavators	1	10.00	523	0.38
Plots 11 and 12 (2032) Utilities	Excavators	5	10.00	286	0.38
Plots 11 and 12 (2032) Utilities	Excavators	1	10.00	190	0.38
Plots 11 and 12 (2032) Utilities	Excavators	2	10.00	396	0.38
Plots 11 and 12 (2032) Utilities	Excavators	1	10.00	190	0.38
Plots 11 and 12 (2032) Utilities	Excavators	1	10.00	188	0.38
Plots 11 and 12 (2032) Utilities	Excavators	4	10.00	40	0.38
Plots 11 and 12 (2032) Utilities	Forklifts	2	10.00	89	0.20
Plots 11 and 12 (2032) Utilities	Other Material Handling Equipment	2	1.00	167	0.40
Plots 11 and 12 (2032) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 11 and 12 (2032) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 11 and 12 (2032) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 11 and 12 (2032) Building-Concrete	Cement and Mortar Mixers	10	1.00	9	0.56
Plots 11 and 12 (2032) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 12 (2032) Building-Concrete	Pumps	1	10.00	84	0.74
Plots 11 and 12 (2032) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 11 and 12 (2032) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plots 11 and 12 (2032) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plots 11 and 12 (2032) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plots 11 and 12 (2032) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 11 and 12 (2032) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plots 11 and 12 (2032) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37

Plots 11 and 12 (2032) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 11 and 12 (2032) Building-Electrical	Cement and Mortar Mixers	4	1.00	9	0.56
Plots 11 and 12 (2032) Building-Electrical	Excavators	4	10.00	40	0.38
Plots 11 and 12 (2032) Building-Electrical	Forklifts	2	10.00	89	0.20
Plots 11 and 12 (2032) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plots 11 and 12 (2032) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 11 and 12 (2032) Building-Landscaping	Excavators	1	10.00	29	0.38
Plots 11 and 12 (2032) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plots 11 and 12 (2032) Building-Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 12 (2032) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 11 and 12 (2032) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 11 and 12 (2032) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 11 and 12 (2032) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 11 and 12 (2032) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 11 and 12 (2032) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plots 11 and 12 (2032) Landscaping	Excavators	1	10.00	29	0.38
Plots 11 and 12 (2032) Landscaping	Forklifts	1	10.00	125	0.20
Plots 11 and 12 (2032) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 12 (2032) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plots 11 and 12 (2032) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 11 and 12 (2032) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 11 and 12 (2032) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 11 and 12 (2032) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 11 and 12 (2032) Landscaping	Trenchers	1	10.00	39	0.50
Plots 11 and 12 (2032) Temporary Utilities	Cranes	1	10.00	445	0.29
Plots 11 and 12 (2032) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plots 11 and 12 (2032) Curbing/Drive Approaches	Other Material Handling Equipment	2	1.00	167	0.40
Plots 11 and 12 (2032) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plots 11 and 12 (2032) Paving	Pavers	1	10.00	126	0.42
Plots 11 and 12 (2032) Paving	Paving Equipment	1	10.00	131	0.36
Plots 11 and 12 (2032) Paving	Plate Compactors	1	10.00	8	0.43
Plots 11 and 12 (2032) Paving	Rollers	1	10.00	81	0.38

Plots 11 and 12 (2032) Paving	Scrapers	1	10.00	362	0.48
Plots 11 and 12 (2032) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37
Plot 12 (2033) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 12 (2033) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 12 (2033) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plot 12 (2033) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plot 12 (2033) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 12 (2033) Utilities	Excavators	1	10.00	523	0.38
Plot 12 (2033) Utilities	Excavators	5	10.00	286	0.38
Plot 12 (2033) Utilities	Excavators	1	10.00	190	0.38
Plot 12 (2033) Utilities	Excavators	2	10.00	396	0.38
Plot 12 (2033) Utilities	Excavators	1	10.00	190	0.38
Plot 12 (2033) Utilities	Excavators	1	10.00	188	0.38
Plot 12 (2033) Utilities	Excavators	4	10.00	40	0.38
Plot 12 (2033) Utilities	Forklifts	2	10.00	89	0.20
Plot 12 (2033) Utilities	Other Material Handling Equipment	2	1.00	167	0.40
Plot 12 (2033) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 12 (2033) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 12 (2033) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 12 (2033) Building-Concrete	Cement and Mortar Mixers	10	1.00	9	0.56
Plot 12 (2033) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plot 12 (2033) Building-Concrete	Pumps	1	10.00	84	0.74
Plot 12 (2033) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 12 (2033) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plot 12 (2033) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plot 12 (2033) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plot 12 (2033) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 12 (2033) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plot 12 (2033) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plot 12 (2033) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 12 (2033) Building-Electrical	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 12 (2033) Building-Electrical	Excavators	4	10.00	40	0.38

Plot 12 (2033) Building-Electrical	Forklifts	2	10.00	89	0.20
Plot 12 (2033) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plot 12 (2033) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 12 (2033) Building-Landscaping	Excavators	1	10.00	29	0.38
Plot 12 (2033) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plot 12 (2033) Building-Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plot 12 (2033) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 12 (2033) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 12 (2033) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 12 (2033) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 12 (2033) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 12 (2033) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plot 12 (2033) Landscaping	Excavators	1	10.00	29	0.38
Plot 12 (2033) Landscaping	Forklifts	1	10.00	125	0.20
Plot 12 (2033) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plot 12 (2033) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plot 12 (2033) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 12 (2033) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 12 (2033) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 12 (2033) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 12 (2033) Landscaping	Trenchers	1	10.00	39	0.50
Plot 12 (2033) Temporary Utilities	Cranes	1	10.00	445	0.29
Plot 12 (2033) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plot 12 (2033) Curbing/Drive Approaches	Other Material Handling Equipment	2	1.00	167	0.40
Plot 12 (2033) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plot 12 (2033) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plot 12 (2033) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plot 12 (2033) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plot 12 (2033) Paving	Pavers	1	10.00	126	0.42
Plot 12 (2033) Paving	Paving Equipment	1	10.00	131	0.36
Plot 12 (2033) Paving	Plate Compactors	1	10.00	8	0.43
Plot 12 (2033) Paving	Rollers	1	10.00	81	0.38

Plot 12 (2033) Paving	Scrapers	1	10.00	362	0.48
Plot 12 (2033) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37
Plots 12 and 21,22 (2034) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 12 and 21,22 (2034) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 12 and 21,22 (2034) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plots 12 and 21,22 (2034) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plots 12 and 21,22 (2034) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 12 and 21,22 (2034) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plots 12 and 21,22 (2034) Utilities	Excavators	1	10.00	523	0.38
Plots 12 and 21,22 (2034) Utilities	Excavators	5	10.00	286	0.38
Plots 12 and 21,22 (2034) Utilities	Excavators	1	10.00	190	0.38
Plots 12 and 21,22 (2034) Utilities	Excavators	2	10.00	396	0.38
Plots 12 and 21,22 (2034) Utilities	Excavators	1	10.00	190	0.38
Plots 12 and 21,22 (2034) Utilities	Excavators	1	10.00	188	0.38
Plots 12 and 21,22 (2034) Utilities	Excavators	4	10.00	40	0.38
Plots 12 and 21,22 (2034) Utilities	Forklifts	2	10.00	89	0.20
Plots 12 and 21,22 (2034) Utilities	Other Material Handling Equipment	1	1.00	167	0.40
Plots 12 and 21,22 (2034) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 12 and 21,22 (2034) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 12 and 21,22 (2034) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 12 and 21,22 (2034) Building-Concrete	Cement and Mortar Mixers	5	1.00	9	0.56
Plots 12 and 21,22 (2034) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plots 12 and 21,22 (2034) Building-Concrete	Pumps	1	10.00	84	0.74
Plots 12 and 21,22 (2034) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 12 and 21,22 (2034) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plots 12 and 21,22 (2034) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plots 12 and 21,22 (2034) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plots 12 and 21,22 (2034) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 12 and 21,22 (2034) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plots 12 and 21,22 (2034) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plots 12 and 21,22 (2034) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 12 and 21,22 (2034) Building-Electrical	Cement and Mortar Mixers	4	1.00	9	0.56

Plots 12 and 21,22 (2034) Building-Electrical	Excavators	4	10.00	40	0.38
Plots 12 and 21,22 (2034) Building-Electrical	Forklifts	2	10.00	89	0.20
Plots 12 and 21,22 (2034) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plots 12 and 21,22 (2034) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 12 and 21,22 (2034) Building-Landscaping	Excavators	1	10.00	29	0.38
Plots 12 and 21,22 (2034) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plots 12 and 21,22 (2034) Building-Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plots 12 and 21,22 (2034) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 12 and 21,22 (2034) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 12 and 21,22 (2034) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 12 and 21,22 (2034) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 12 and 21,22 (2034) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 12 and 21,22 (2034) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plots 12 and 21,22 (2034) Landscaping	Excavators	1	10.00	29	0.38
Plots 12 and 21,22 (2034) Landscaping	Forklifts	1	10.00	125	0.20
Plots 12 and 21,22 (2034) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plots 12 and 21,22 (2034) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plots 12 and 21,22 (2034) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 12 and 21,22 (2034) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 12 and 21,22 (2034) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 12 and 21,22 (2034) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 12 and 21,22 (2034) Landscaping	Trenchers	1	10.00	39	0.50
Plots 12 and 21,22 (2034) Temporary Utilities	Cranes	1	10.00	445	0.29
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plots 12 and 21,22 (2034) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plots 12 and 21,22 (2034) Paving	Pavers	1	10.00	126	0.42
Plots 12 and 21,22 (2034) Paving	Paving Equipment	1	10.00	131	0.36
Plots 12 and 21,22 (2034) Paving	Plate Compactors	1	10.00	8	0.43
Plots 12 and 21,22 (2034) Paving	Rollers	1	10.00	81	0.38
Plots 12 and 21,22 (2034) Paving	Scrapers	1	10.00	362	0.48
Plots 12 and 21,22 (2034) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Plot 11 (2030) Mass Excavation - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					46.2932	0.0000	46.2932	14.9735	0.0000	14.9735			0.0000			0.0000
Off-Road	20.8223	95.5771	99.4481	0.3706		3.6226	3.6226		3.6226	3.6226		41,604.0454	41,604.0454	1.8577		41,650.4868
Total	**20.8223**	**95.5771**	**99.4481**	**0.3706**	**46.2932**	**3.6226**	**49.9157**	**14.9735**	**3.6226**	**18.5961**		**41,604.0454**	**41,604.0454**	**1.8577**		**41,650.4868**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0543	0.0000	18.0543	5.8397	0.0000	5.8397			0.0000			0.0000
Off-Road	20.8223	95.5771	99.4481	0.3706		3.6226	3.6226		3.6226	3.6226	0.0000	41,604.0454	41,604.0454	1.8577		41,650.4868
Total	**20.8223**	**95.5771**	**99.4481**	**0.3706**	**18.0543**	**3.6226**	**21.6769**	**5.8397**	**3.6226**	**9.4622**	**0.0000**	**41,604.0454**	**41,604.0454**	**1.8577**		**41,650.4868**

3.3 Plot 11 (2030) Finish Grading - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.4576	0.0000	8.4576	4.2382	0.0000	4.2382			0.0000			0.0000
Off-Road	0.7448	3.8257	7.8691	0.0133		0.1661	0.1661		0.1661	0.1661		1,263.0332	1,263.0332	0.0655		1,264.6694
Total	**0.7448**	**3.8257**	**7.8691**	**0.0133**	**8.4576**	**0.1661**	**8.6237**	**4.2382**	**0.1661**	**4.4043**		**1,263.0332**	**1,263.0332**	**0.0655**		**1,264.6694**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2985	0.0000	3.2985	1.6529	0.0000	1.6529			0.0000			0.0000
Off-Road	0.7448	3.8257	7.8691	0.0133		0.1661	0.1661		0.1661	0.1661	0.0000	1,263.0332	1,263.0332	0.0655		1,264.6694
Total	**0.7448**	**3.8257**	**7.8691**	**0.0133**	**3.2985**	**0.1661**	**3.4646**	**1.6529**	**0.1661**	**1.8190**	**0.0000**	**1,263.0332**	**1,263.0332**	**0.0655**		**1,264.6694**

3.4 Plot 11 (2030) Utilities - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	8.1106	25.2928	61.0578	0.1921		0.6853	0.6853		0.6853	0.6853		20,240.6802	20,240.6802	0.7205		20,258.6928
Total	**8.1106**	**25.2928**	**61.0578**	**0.1921**		**0.6853**	**0.6853**		**0.6853**	**0.6853**		**20,240.6802**	**20,240.6802**	**0.7205**		**20,258.6928**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	8.1106	25.2928	61.0578	0.1921		0.6853	0.6853		0.6853	0.6853	0.0000	20,240.6802	20,240.6802	0.7205		20,258.6928
Total	**8.1106**	**25.2928**	**61.0578**	**0.1921**		**0.6853**	**0.6853**		**0.6853**	**0.6853**	**0.0000**	**20,240.6802**	**20,240.6802**	**0.7205**		**20,258.6928**

3.5 Plot 11 (2030) Building-Concrete - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1691	7.6010	16.3715	0.0276		0.1594	0.1594		0.1594	0.1594		2,594.4739	2,594.4739	0.1031		2,597.0521
Total	**1.1691**	**7.6010**	**16.3715**	**0.0276**		**0.1594**	**0.1594**		**0.1594**	**0.1594**		**2,594.4739**	**2,594.4739**	**0.1031**		**2,597.0521**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1691	7.6010	16.3715	0.0276		0.1594	0.1594		0.1594	0.1594	0.0000	2,594.4739	2,594.4739	0.1031		2,597.0521
Total	**1.1691**	**7.6010**	**16.3715**	**0.0276**		**0.1594**	**0.1594**		**0.1594**	**0.1594**	**0.0000**	**2,594.4739**	**2,594.4739**	**0.1031**		**2,597.0521**

3.6 Plot 11 (2030) Building-Wet Utilities - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3157	12.6733	40.1765	0.0832		0.3817	0.3817		0.3817	0.3817		8,120.4478	8,120.4478	0.2913		8,127.7289
Total	**3.3157**	**12.6733**	**40.1765**	**0.0832**		**0.3817**	**0.3817**		**0.3817**	**0.3817**		**8,120.4478**	**8,120.4478**	**0.2913**		**8,127.7289**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3157	12.6733	40.1765	0.0832		0.3817	0.3817		0.3817	0.3817	0.0000	8,120.4477	8,120.4477	0.2913		8,127.7289

Total	**3.3157**	**12.6733**	**40.1765**	**0.0832**		**0.3817**	**0.3817**		**0.3817**	**0.3817**	**0.0000**	**8,120.4477**	**8,120.4477**	**0.2913**		**8,127.7289**

3.7 Plot 11 (2030) Building-Electrical - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9544	11.0043	22.6081	0.0347		0.1750	0.1750		0.1750	0.1750		3,152.9599	3,152.9599	0.1735		3,157.2973
Total	**1.9544**	**11.0043**	**22.6081**	**0.0347**		**0.1750**	**0.1750**		**0.1750**	**0.1750**		**3,152.9599**	**3,152.9599**	**0.1735**		**3,157.2973**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9544	11.0043	22.6081	0.0347		0.1750	0.1750		0.1750	0.1750	0.0000	3,152.9599	3,152.9599	0.1735		3,157.2973
Total	**1.9544**	**11.0043**	**22.6081**	**0.0347**		**0.1750**	**0.1750**		**0.1750**	**0.1750**	**0.0000**	**3,152.9599**	**3,152.9599**	**0.1735**		**3,157.2973**

3.8 Plot 11 (2030) Building-Landscaping - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4812	6.8278	17.8202	0.0294		0.1850	0.1850		0.1850	0.1850		2,722.2682	2,722.2682	0.1308		2,725.5385
Total	**1.4812**	**6.8278**	**17.8202**	**0.0294**		**0.1850**	**0.1850**		**0.1850**	**0.1850**		**2,722.2682**	**2,722.2682**	**0.1308**		**2,725.5385**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4812	6.8278	17.8202	0.0294		0.1850	0.1850		0.1850	0.1850	0.0000	2,722.2682	2,722.2682	0.1308		2,725.5385
Total	**1.4812**	**6.8278**	**17.8202**	**0.0294**		**0.1850**	**0.1850**		**0.1850**	**0.1850**	**0.0000**	**2,722.2682**	**2,722.2682**	**0.1308**		**2,725.5385**

3.9 Plot 11 (2030) Landscaping - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5460	7.0163	18.8043	0.0312		0.1932	0.1932		0.1932	0.1932		2,889.6536	2,889.6536	0.1364		2,893.0638
Total	**1.5460**	**7.0163**	**18.8043**	**0.0312**		**0.1932**	**0.1932**		**0.1932**	**0.1932**		**2,889.6536**	**2,889.6536**	**0.1364**		**2,893.0638**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5460	7.0163	18.8043	0.0312		0.1932	0.1932		0.1932	0.1932	0.0000	2,889.6536	2,889.6536	0.1364		2,893.0638
Total	**1.5460**	**7.0163**	**18.8043**	**0.0312**		**0.1932**	**0.1932**		**0.1932**	**0.1932**	**0.0000**	**2,889.6536**	**2,889.6536**	**0.1364**		**2,893.0638**

3.10 Plot 11 (2030) Temporary Utilities - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6316	1.9830	3.1011	0.0142		0.0654	0.0654		0.0654	0.0654		1,616.8479	1,616.8479	0.0569		1,618.2704
Total	**0.6316**	**1.9830**	**3.1011**	**0.0142**		**0.0654**	**0.0654**		**0.0654**	**0.0654**		**1,616.8479**	**1,616.8479**	**0.0569**		**1,618.2704**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.6316	1.9830	3.1011	0.0142		0.0654	0.0654		0.0654	0.0654	0.0000	1,616.8479	1,616.8479	0.0569		1,618.2704
Total	**0.6316**	**1.9830**	**3.1011**	**0.0142**		**0.0654**	**0.0654**		**0.0654**	**0.0654**	**0.0000**	**1,616.8479**	**1,616.8479**	**0.0569**		**1,618.2704**

3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0868	0.3266	1.0997	2.0300e-003		0.0136	0.0136		0.0136	0.0136		186.3290	186.3290	7.5600e-003		186.5181
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3323**	**0.3266**	**1.0997**	**2.0300e-003**		**0.0136**	**0.0136**		**0.0136**	**0.0136**		**186.3290**	**186.3290**	**7.5600e-003**		**186.5181**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0868	0.3266	1.0997	2.0300e-003		0.0136	0.0136		0.0136	0.0136	0.0000	186.3290	186.3290	7.5600e-003		186.5181
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3323**	**0.3266**	**1.0997**	**2.0300e-003**		**0.0136**	**0.0136**		**0.0136**	**0.0136**	**0.0000**	**186.3290**	**186.3290**	**7.5600e-003**		**186.5181**

3.12 Plot 11 (2030) Paving - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3933	11.4334	21.5018	0.0485		0.4258	0.4258		0.4258	0.4258		4,945.1364	4,945.1364	0.2131		4,950.4632
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.6388**	**11.4334**	**21.5018**	**0.0485**		**0.4258**	**0.4258**		**0.4258**	**0.4258**		**4,945.1364**	**4,945.1364**	**0.2131**		**4,950.4632**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3933	11.4334	21.5018	0.0485		0.4258	0.4258		0.4258	0.4258	0.0000	4,945.1364	4,945.1364	0.2131		4,950.4632
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.6388**	**11.4334**	**21.5018**	**0.0485**		**0.4258**	**0.4258**		**0.4258**	**0.4258**	**0.0000**	**4,945.1364**	**4,945.1364**	**0.2131**		**4,950.4632**

3.13 Plot 11 (2031) Mass Excavation - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					31.2380	0.0000	31.2380	6.6980	0.0000	6.6980			0.0000			0.0000
Off-Road	11.8857	48.9304	60.6543	0.2322		1.8504	1.8504		1.8504	1.8504		25,867.8120	25,867.8120	1.0546		25,894.1780

Total	**11.8857**	**48.9304**	**60.6543**	**0.2322**	**31.2380**	**1.8504**	**33.0884**	**6.6980**	**1.8504**	**8.5484**		**25,867.8120**	**25,867.8120**	**1.0546**		**25,894.1780**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.1828	0.0000	12.1828	2.6122	0.0000	2.6122			0.0000			0.0000
Off-Road	11.8857	48.9304	60.6543	0.2322		1.8504	1.8504		1.8504	1.8504	0.0000	25,867.8119	25,867.8119	1.0546		25,894.1780
Total	**11.8857**	**48.9304**	**60.6543**	**0.2322**	**12.1828**	**1.8504**	**14.0332**	**2.6122**	**1.8504**	**4.4626**	**0.0000**	**25,867.8119**	**25,867.8119**	**1.0546**		**25,894.1780**

3.14 Plot 11 (2031) Finish Grading - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.4576	0.0000	8.4576	4.2382	0.0000	4.2382			0.0000			0.0000
Off-Road	0.7448	3.8257	7.8691	0.0133		0.1661	0.1661		0.1661	0.1661		1,263.0332	1,263.0332	0.0655		1,264.6694
Total	**0.7448**	**3.8257**	**7.8691**	**0.0133**	**8.4576**	**0.1661**	**8.6237**	**4.2382**	**0.1661**	**4.4043**		**1,263.0332**	**1,263.0332**	**0.0655**		**1,264.6694**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Fugitive Dust					3.2985	0.0000	3.2985	1.6529	0.0000	1.6529			0.0000			0.0000
Off-Road	0.7448	3.8257	7.8691	0.0133		0.1661	0.1661		0.1661	0.1661	0.0000	1,263.0332	1,263.0332	0.0655		1,264.6694
Total	**0.7448**	**3.8257**	**7.8691**	**0.0133**	**3.2985**	**0.1661**	**3.4646**	**1.6529**	**0.1661**	**1.8190**	**0.0000**	**1,263.0332**	**1,263.0332**	**0.0655**		**1,264.6694**

3.15 Plot 11 (2031) Utilities - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	8.0458	25.1043	60.0737	0.1904		0.6770	0.6770		0.6770	0.6770		20,073.2948	20,073.2948	0.7149		20,091.1675
Total	**8.0458**	**25.1043**	**60.0737**	**0.1904**		**0.6770**	**0.6770**		**0.6770**	**0.6770**		**20,073.2948**	**20,073.2948**	**0.7149**		**20,091.1675**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	8.0458	25.1043	60.0737	0.1904		0.6770	0.6770		0.6770	0.6770	0.0000	20,073.2948	20,073.2948	0.7149		20,091.1675
Total	**8.0458**	**25.1043**	**60.0737**	**0.1904**		**0.6770**	**0.6770**		**0.6770**	**0.6770**	**0.0000**	**20,073.2948**	**20,073.2948**	**0.7149**		**20,091.1675**

3.16 Plot 11 (2031) Building-Concrete - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1691	7.6010	16.3715	0.0276		0.1594	0.1594		0.1594	0.1594		2,594.4739	2,594.4739	0.1031		2,597.0521
Total	**1.1691**	**7.6010**	**16.3715**	**0.0276**		**0.1594**	**0.1594**		**0.1594**	**0.1594**		**2,594.4739**	**2,594.4739**	**0.1031**		**2,597.0521**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1691	7.6010	16.3715	0.0276		0.1594	0.1594		0.1594	0.1594	0.0000	2,594.4739	2,594.4739	0.1031		2,597.0521
Total	**1.1691**	**7.6010**	**16.3715**	**0.0276**		**0.1594**	**0.1594**		**0.1594**	**0.1594**	**0.0000**	**2,594.4739**	**2,594.4739**	**0.1031**		**2,597.0521**

3.17 Plot 11 (2031) Building-Wet Utilities - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3157	12.6733	40.1765	0.0832		0.3817	0.3817		0.3817	0.3817		8,120.4478	8,120.4478	0.2913		8,127.7289

Total	**3.3157**	**12.6733**	**40.1765**	**0.0832**		**0.3817**	**0.3817**		**0.3817**	**0.3817**		**8,120.4478**	**8,120.4478**	**0.2913**		**8,127.7289**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3157	12.6733	40.1765	0.0832		0.3817	0.3817		0.3817	0.3817	0.0000	8,120.4477	8,120.4477	0.2913		8,127.7289
Total	**3.3157**	**12.6733**	**40.1765**	**0.0832**		**0.3817**	**0.3817**		**0.3817**	**0.3817**	**0.0000**	**8,120.4477**	**8,120.4477**	**0.2913**		**8,127.7289**

3.18 Plot 11 (2031) Building-Electrical - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9544	11.0043	22.6081	0.0347		0.1750	0.1750		0.1750	0.1750		3,152.9599	3,152.9599	0.1735		3,157.2973
Total	**1.9544**	**11.0043**	**22.6081**	**0.0347**		**0.1750**	**0.1750**		**0.1750**	**0.1750**		**3,152.9599**	**3,152.9599**	**0.1735**		**3,157.2973**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9544	11.0043	22.6081	0.0347		0.1750	0.1750		0.1750	0.1750	0.0000	3,152.9599	3,152.9599	0.1735		3,157.2973
Total	**1.9544**	**11.0043**	**22.6081**	**0.0347**		**0.1750**	**0.1750**		**0.1750**	**0.1750**	**0.0000**	**3,152.9599**	**3,152.9599**	**0.1735**		**3,157.2973**

3.19 Plot 11 (2031) Building-Landscaping - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4488	6.7336	17.3282	0.0285		0.1809	0.1809		0.1809	0.1809		2,638.5755	2,638.5755	0.1280		2,641.7758
Total	**1.4488**	**6.7336**	**17.3282**	**0.0285**		**0.1809**	**0.1809**		**0.1809**	**0.1809**		**2,638.5755**	**2,638.5755**	**0.1280**		**2,641.7758**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4488	6.7336	17.3282	0.0285		0.1809	0.1809		0.1809	0.1809	0.0000	2,638.5755	2,638.5755	0.1280		2,641.7758
Total	**1.4488**	**6.7336**	**17.3282**	**0.0285**		**0.1809**	**0.1809**		**0.1809**	**0.1809**	**0.0000**	**2,638.5755**	**2,638.5755**	**0.1280**		**2,641.7758**

3.20 Plot 11 (2031) Landscaping - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5460	7.0163	18.8043	0.0312		0.1932	0.1932		0.1932	0.1932		2,889.6536	2,889.6536	0.1364		2,893.0638
Total	**1.5460**	**7.0163**	**18.8043**	**0.0312**		**0.1932**	**0.1932**		**0.1932**	**0.1932**		**2,889.6536**	**2,889.6536**	**0.1364**		**2,893.0638**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5460	7.0163	18.8043	0.0312		0.1932	0.1932		0.1932	0.1932	0.0000	2,889.6536	2,889.6536	0.1364		2,893.0638
Total	**1.5460**	**7.0163**	**18.8043**	**0.0312**		**0.1932**	**0.1932**		**0.1932**	**0.1932**	**0.0000**	**2,889.6536**	**2,889.6536**	**0.1364**		**2,893.0638**

3.21 Plot 11 (2031) Temporary Utilities - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.6316	1.9830	3.1011	0.0142		0.0654	0.0654		0.0654	0.0654		1,616.8479	1,616.8479	0.0569		1,618.2704
Total	**0.6316**	**1.9830**	**3.1011**	**0.0142**		**0.0654**	**0.0654**		**0.0654**	**0.0654**		**1,616.8479**	**1,616.8479**	**0.0569**		**1,618.2704**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6316	1.9830	3.1011	0.0142		0.0654	0.0654		0.0654	0.0654	0.0000	1,616.8479	1,616.8479	0.0569		1,618.2704
Total	**0.6316**	**1.9830**	**3.1011**	**0.0142**		**0.0654**	**0.0654**		**0.0654**	**0.0654**	**0.0000**	**1,616.8479**	**1,616.8479**	**0.0569**		**1,618.2704**

3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8168	4.3525	9.1645	0.0157		0.1894	0.1894		0.1894	0.1894		1,478.6805	1,478.6805	0.0729		1,480.5021
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0623**	**4.3525**	**9.1645**	**0.0157**		**0.1894**	**0.1894**		**0.1894**	**0.1894**		**1,478.6805**	**1,478.6805**	**0.0729**		**1,480.5021**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8168	4.3525	9.1645	0.0157		0.1894	0.1894		0.1894	0.1894	0.0000	1,478.6805	1,478.6805	0.0729		1,480.5021
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0623**	**4.3525**	**9.1645**	**0.0157**		**0.1894**	**0.1894**		**0.1894**	**0.1894**	**0.0000**	**1,478.6805**	**1,478.6805**	**0.0729**		**1,480.5021**

3.23 Plot 11 (2031) Paving - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3933	11.4334	21.5018	0.0485		0.4258	0.4258		0.4258	0.4258		4,945.1364	4,945.1364	0.2131		4,950.4632
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.6388**	**11.4334**	**21.5018**	**0.0485**		**0.4258**	**0.4258**		**0.4258**	**0.4258**		**4,945.1364**	**4,945.1364**	**0.2131**		**4,950.4632**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3933	11.4334	21.5018	0.0485		0.4258	0.4258		0.4258	0.4258	0.0000	4,945.1364	4,945.1364	0.2131		4,950.4632
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	**3.6388**	**11.4334**	**21.5018**	**0.0485**		**0.4258**	**0.4258**		**0.4258**	**0.4258**	**0.0000**	**4,945.1364**	**4,945.1364**	**0.2131**		**4,950.4632**

3.24 Plots 11 and 12 (2032) Mass Excavation - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.3828	0.0000	19.3828	5.4179	0.0000	5.4179			0.0000			0.0000
Off-Road	9.9107	41.9997	45.1149	0.1881		1.5690	1.5690		1.5690	1.5690		21,374.2152	21,374.2152	0.8812		21,396.2449
Total	**9.9107**	**41.9997**	**45.1149**	**0.1881**	**19.3828**	**1.5690**	**20.9518**	**5.4179**	**1.5690**	**6.9869**		**21,374.2152**	**21,374.2152**	**0.8812**		**21,396.2449**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.5593	0.0000	7.5593	2.1130	0.0000	2.1130			0.0000			0.0000
Off-Road	9.9107	41.9997	45.1149	0.1881		1.5690	1.5690		1.5690	1.5690	0.0000	21,374.2152	21,374.2152	0.8812		21,396.2449
Total	**9.9107**	**41.9997**	**45.1149**	**0.1881**	**7.5593**	**1.5690**	**9.1283**	**2.1130**	**1.5690**	**3.6820**	**0.0000**	**21,374.2152**	**21,374.2152**	**0.8812**		**21,396.2449**

3.25 Plots 11 and 12 (2032) Finish Grading - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Fugitive Dust					8.2577	0.0000	8.2577	4.2166	0.0000	4.2166			0.0000			0.0000
Off-Road	0.7448	3.8257	7.8691	0.0133		0.1661	0.1661		0.1661	0.1661		1,263.0332	1,263.0332	0.0655		1,264.6694
Total	**0.7448**	**3.8257**	**7.8691**	**0.0133**	**8.2577**	**0.1661**	**8.4238**	**4.2166**	**0.1661**	**4.3827**		**1,263.0332**	**1,263.0332**	**0.0655**		**1,264.6694**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2205	0.0000	3.2205	1.6445	0.0000	1.6445			0.0000			0.0000
Off-Road	0.7448	3.8257	7.8691	0.0133		0.1661	0.1661		0.1661	0.1661	0.0000	1,263.0332	1,263.0332	0.0655		1,264.6694
Total	**0.7448**	**3.8257**	**7.8691**	**0.0133**	**3.2205**	**0.1661**	**3.3866**	**1.6445**	**0.1661**	**1.8106**	**0.0000**	**1,263.0332**	**1,263.0332**	**0.0655**		**1,264.6694**

3.26 Plots 11 and 12 (2032) Utilities - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	7.9810	24.9158	59.0897	0.1886		0.6688	0.6688		0.6688	0.6688		19,905.9094	19,905.9094	0.7093		19,923.6422
Total	**7.9810**	**24.9158**	**59.0897**	**0.1886**		**0.6688**	**0.6688**		**0.6688**	**0.6688**		**19,905.9094**	**19,905.9094**	**0.7093**		**19,923.6422**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	7.9810	24.9158	59.0897	0.1886		0.6688	0.6688		0.6688	0.6688	0.0000	19,905.9094	19,905.9094	0.7093		19,923.6422
Total	**7.9810**	**24.9158**	**59.0897**	**0.1886**		**0.6688**	**0.6688**		**0.6688**	**0.6688**	**0.0000**	**19,905.9094**	**19,905.9094**	**0.7093**		**19,923.6422**

3.27 Plots 11 and 12 (2032) Building-Concrete - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1691	7.6010	16.3715	0.0276		0.1594	0.1594		0.1594	0.1594		2,594.4739	2,594.4739	0.1031		2,597.0521
Total	**1.1691**	**7.6010**	**16.3715**	**0.0276**		**0.1594**	**0.1594**		**0.1594**	**0.1594**		**2,594.4739**	**2,594.4739**	**0.1031**		**2,597.0521**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1691	7.6010	16.3715	0.0276		0.1594	0.1594		0.1594	0.1594	0.0000	2,594.4739	2,594.4739	0.1031		2,597.0521

Total	**1.1691**	**7.6010**	**16.3715**	**0.0276**		**0.1594**	**0.1594**		**0.1594**	**0.1594**	**0.0000**	**2,594.4739**	**2,594.4739**	**0.1031**		**2,597.0521**

3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3157	12.6733	40.1765	0.0832		0.3817	0.3817		0.3817	0.3817		8,120.4478	8,120.4478	0.2913		8,127.7289
Total	**3.3157**	**12.6733**	**40.1765**	**0.0832**		**0.3817**	**0.3817**		**0.3817**	**0.3817**		**8,120.4478**	**8,120.4478**	**0.2913**		**8,127.7289**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3157	12.6733	40.1765	0.0832		0.3817	0.3817		0.3817	0.3817	0.0000	8,120.4477	8,120.4477	0.2913		8,127.7289
Total	**3.3157**	**12.6733**	**40.1765**	**0.0832**		**0.3817**	**0.3817**		**0.3817**	**0.3817**	**0.0000**	**8,120.4477**	**8,120.4477**	**0.2913**		**8,127.7289**

3.29 Plots 11 and 12 (2032) Building-Electrical - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9544	11.0043	22.6081	0.0347		0.1750	0.1750		0.1750	0.1750		3,152.9599	3,152.9599	0.1735		3,157.2973
Total	**1.9544**	**11.0043**	**22.6081**	**0.0347**		**0.1750**	**0.1750**		**0.1750**	**0.1750**		**3,152.9599**	**3,152.9599**	**0.1735**		**3,157.2973**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9544	11.0043	22.6081	0.0347		0.1750	0.1750		0.1750	0.1750	0.0000	3,152.9599	3,152.9599	0.1735		3,157.2973
Total	**1.9544**	**11.0043**	**22.6081**	**0.0347**		**0.1750**	**0.1750**		**0.1750**	**0.1750**	**0.0000**	**3,152.9599**	**3,152.9599**	**0.1735**		**3,157.2973**

3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4488	6.7336	17.3282	0.0285		0.1809	0.1809		0.1809	0.1809		2,638.5755	2,638.5755	0.1280		2,641.7758
Total	**1.4488**	**6.7336**	**17.3282**	**0.0285**		**0.1809**	**0.1809**		**0.1809**	**0.1809**		**2,638.5755**	**2,638.5755**	**0.1280**		**2,641.7758**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4488	6.7336	17.3282	0.0285		0.1809	0.1809		0.1809	0.1809	0.0000	2,638.5755	2,638.5755	0.1280		2,641.7758
Total	**1.4488**	**6.7336**	**17.3282**	**0.0285**		**0.1809**	**0.1809**		**0.1809**	**0.1809**	**0.0000**	**2,638.5755**	**2,638.5755**	**0.1280**		**2,641.7758**

3.31 Plots 11 and 12 (2032) Landscaping - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5460	7.0163	18.8043	0.0312		0.1932	0.1932		0.1932	0.1932		2,889.6536	2,889.6536	0.1364		2,893.0638
Total	**1.5460**	**7.0163**	**18.8043**	**0.0312**		**0.1932**	**0.1932**		**0.1932**	**0.1932**		**2,889.6536**	**2,889.6536**	**0.1364**		**2,893.0638**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.5460	7.0163	18.8043	0.0312		0.1932	0.1932		0.1932	0.1932	0.0000	2,889.6536	2,889.6536	0.1364		2,893.0638
Total	**1.5460**	**7.0163**	**18.8043**	**0.0312**		**0.1932**	**0.1932**		**0.1932**	**0.1932**	**0.0000**	**2,889.6536**	**2,889.6536**	**0.1364**		**2,893.0638**

3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6316	1.9830	3.1011	0.0142		0.0654	0.0654		0.0654	0.0654		1,616.8479	1,616.8479	0.0569		1,618.2704
Total	**0.6316**	**1.9830**	**3.1011**	**0.0142**		**0.0654**	**0.0654**		**0.0654**	**0.0654**		**1,616.8479**	**1,616.8479**	**0.0569**		**1,618.2704**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6316	1.9830	3.1011	0.0142		0.0654	0.0654		0.0654	0.0654	0.0000	1,616.8479	1,616.8479	0.0569		1,618.2704
Total	**0.6316**	**1.9830**	**3.1011**	**0.0142**		**0.0654**	**0.0654**		**0.0654**	**0.0654**	**0.0000**	**1,616.8479**	**1,616.8479**	**0.0569**		**1,618.2704**

3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0868	0.3266	1.0997	2.0300e-003		0.0136	0.0136		0.0136	0.0136		186.3290	186.3290	7.5600e-003		186.5181
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3323**	**0.3266**	**1.0997**	**2.0300e-003**		**0.0136**	**0.0136**		**0.0136**	**0.0136**		**186.3290**	**186.3290**	**7.5600e-003**		**186.5181**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0868	0.3266	1.0997	2.0300e-003		0.0136	0.0136		0.0136	0.0136	0.0000	186.3290	186.3290	7.5600e-003		186.5181
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3323**	**0.3266**	**1.0997**	**2.0300e-003**		**0.0136**	**0.0136**		**0.0136**	**0.0136**	**0.0000**	**186.3290**	**186.3290**	**7.5600e-003**		**186.5181**

3.34 Plots 11 and 12 (2032) Paving - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3933	11.4334	21.5018	0.0485		0.4258	0.4258		0.4258	0.4258		4,945.1364	4,945.1364	0.2131		4,950.4632
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	**3.6388**	**11.4334**	**21.5018**	**0.0485**		**0.4258**	**0.4258**		**0.4258**	**0.4258**		**4,945.1364**	**4,945.1364**	**0.2131**		**4,950.4632**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3933	11.4334	21.5018	0.0485		0.4258	0.4258		0.4258	0.4258	0.0000	4,945.1364	4,945.1364	0.2131		4,950.4632
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.6388**	**11.4334**	**21.5018**	**0.0485**		**0.4258**	**0.4258**		**0.4258**	**0.4258**	**0.0000**	**4,945.1364**	**4,945.1364**	**0.2131**		**4,950.4632**

3.35 Plot 12 (2033) Finish Grading - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.0579	0.0000	8.0579	4.1950	0.0000	4.1950			0.0000			0.0000
Off-Road	0.5562	2.6997	5.3002	9.1700e-003		0.1453	0.1453		0.1453	0.1453		869.0009	869.0009	0.0488		870.2211
Total	**0.5562**	**2.6997**	**5.3002**	**9.1700e-003**	**8.0579**	**0.1453**	**8.2032**	**4.1950**	**0.1453**	**4.3403**		**869.0009**	**869.0009**	**0.0488**		**870.2211**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Fugitive Dust					3.1426	0.0000	3.1426	1.6361	0.0000	1.6361			0.0000			0.0000
Off-Road	0.5562	2.6997	5.3002	9.1700e-003		0.1453	0.1453		0.1453	0.1453	0.0000	869.0009	869.0009	0.0488		870.2211
Total	**0.5562**	**2.6997**	**5.3002**	**9.1700e-003**	**3.1426**	**0.1453**	**3.2879**	**1.6361**	**0.1453**	**1.7814**	**0.0000**	**869.0009**	**869.0009**	**0.0488**		**870.2211**

3.36 Plot 12 (2033) Utilities - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	7.9810	24.9158	59.0897	0.1886		0.6688	0.6688		0.6688	0.6688		19,905.9094	19,905.9094	0.7093		19,923.6422
Total	**7.9810**	**24.9158**	**59.0897**	**0.1886**		**0.6688**	**0.6688**		**0.6688**	**0.6688**		**19,905.9094**	**19,905.9094**	**0.7093**		**19,923.6422**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	7.9810	24.9158	59.0897	0.1886		0.6688	0.6688		0.6688	0.6688	0.0000	19,905.9094	19,905.9094	0.7093		19,923.6422
Total	**7.9810**	**24.9158**	**59.0897**	**0.1886**		**0.6688**	**0.6688**		**0.6688**	**0.6688**	**0.0000**	**19,905.9094**	**19,905.9094**	**0.7093**		**19,923.6422**

3.37 Plot 12 (2033) Building-Concrete - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1691	7.6010	16.3715	0.0276		0.1594	0.1594		0.1594	0.1594		2,594.4739	2,594.4739	0.1031		2,597.0521
Total	**1.1691**	**7.6010**	**16.3715**	**0.0276**		**0.1594**	**0.1594**		**0.1594**	**0.1594**		**2,594.4739**	**2,594.4739**	**0.1031**		**2,597.0521**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1691	7.6010	16.3715	0.0276		0.1594	0.1594		0.1594	0.1594	0.0000	2,594.4739	2,594.4739	0.1031		2,597.0521
Total	**1.1691**	**7.6010**	**16.3715**	**0.0276**		**0.1594**	**0.1594**		**0.1594**	**0.1594**	**0.0000**	**2,594.4739**	**2,594.4739**	**0.1031**		**2,597.0521**

3.38 Plot 12 (2033) Building-Wet Utilities - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3157	12.6733	40.1765	0.0832		0.3817	0.3817		0.3817	0.3817		8,120.4478	8,120.4478	0.2913		8,127.7289

Total	**3.3157**	**12.6733**	**40.1765**	**0.0832**		**0.3817**	**0.3817**		**0.3817**	**0.3817**		**8,120.4478**	**8,120.4478**	**0.2913**		**8,127.7289**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3157	12.6733	40.1765	0.0832		0.3817	0.3817		0.3817	0.3817	0.0000	8,120.4477	8,120.4477	0.2913		8,127.7289
Total	**3.3157**	**12.6733**	**40.1765**	**0.0832**		**0.3817**	**0.3817**		**0.3817**	**0.3817**	**0.0000**	**8,120.4477**	**8,120.4477**	**0.2913**		**8,127.7289**

3.39 Plot 12 (2033) Building-Electrical - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9544	11.0043	22.6081	0.0347		0.1750	0.1750		0.1750	0.1750		3,152.9599	3,152.9599	0.1735		3,157.2973
Total	**1.9544**	**11.0043**	**22.6081**	**0.0347**		**0.1750**	**0.1750**		**0.1750**	**0.1750**		**3,152.9599**	**3,152.9599**	**0.1735**		**3,157.2973**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9544	11.0043	22.6081	0.0347		0.1750	0.1750		0.1750	0.1750	0.0000	3,152.9599	3,152.9599	0.1735		3,157.2973
Total	**1.9544**	**11.0043**	**22.6081**	**0.0347**		**0.1750**	**0.1750**		**0.1750**	**0.1750**	**0.0000**	**3,152.9599**	**3,152.9599**	**0.1735**		**3,157.2973**

3.40 Plot 12 (2033) Building-Landscaping - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4488	6.7336	17.3282	0.0285		0.1809	0.1809		0.1809	0.1809		2,638.5755	2,638.5755	0.1280		2,641.7758
Total	**1.4488**	**6.7336**	**17.3282**	**0.0285**		**0.1809**	**0.1809**		**0.1809**	**0.1809**		**2,638.5755**	**2,638.5755**	**0.1280**		**2,641.7758**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4488	6.7336	17.3282	0.0285		0.1809	0.1809		0.1809	0.1809	0.0000	2,638.5755	2,638.5755	0.1280		2,641.7758
Total	**1.4488**	**6.7336**	**17.3282**	**0.0285**		**0.1809**	**0.1809**		**0.1809**	**0.1809**	**0.0000**	**2,638.5755**	**2,638.5755**	**0.1280**		**2,641.7758**

3.41 Plot 12 (2033) Landscaping - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5460	7.0163	18.8043	0.0312		0.1932	0.1932		0.1932	0.1932		2,889.6536	2,889.6536	0.1364		2,893.0638
Total	**1.5460**	**7.0163**	**18.8043**	**0.0312**		**0.1932**	**0.1932**		**0.1932**	**0.1932**		**2,889.6536**	**2,889.6536**	**0.1364**		**2,893.0638**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5460	7.0163	18.8043	0.0312		0.1932	0.1932		0.1932	0.1932	0.0000	2,889.6536	2,889.6536	0.1364		2,893.0638
Total	**1.5460**	**7.0163**	**18.8043**	**0.0312**		**0.1932**	**0.1932**		**0.1932**	**0.1932**	**0.0000**	**2,889.6536**	**2,889.6536**	**0.1364**		**2,893.0638**

3.42 Plot 12 (2033) Temporary Utilities - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.6316	1.9830	3.1011	0.0142		0.0654	0.0654		0.0654	0.0654		1,616.8479	1,616.8479	0.0569		1,618.2704
Total	**0.6316**	**1.9830**	**3.1011**	**0.0142**		**0.0654**	**0.0654**		**0.0654**	**0.0654**		**1,616.8479**	**1,616.8479**	**0.0569**		**1,618.2704**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6316	1.9830	3.1011	0.0142		0.0654	0.0654		0.0654	0.0654	0.0000	1,616.8479	1,616.8479	0.0569		1,618.2704
Total	**0.6316**	**1.9830**	**3.1011**	**0.0142**		**0.0654**	**0.0654**		**0.0654**	**0.0654**	**0.0000**	**1,616.8479**	**1,616.8479**	**0.0569**		**1,618.2704**

3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8168	4.3525	9.1645	0.0157		0.1894	0.1894		0.1894	0.1894		1,478.6805	1,478.6805	0.0729		1,480.5021
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0623**	**4.3525**	**9.1645**	**0.0157**		**0.1894**	**0.1894**		**0.1894**	**0.1894**		**1,478.6805**	**1,478.6805**	**0.0729**		**1,480.5021**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8168	4.3525	9.1645	0.0157		0.1894	0.1894		0.1894	0.1894	0.0000	1,478.6805	1,478.6805	0.0729		1,480.5021
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0623**	**4.3525**	**9.1645**	**0.0157**		**0.1894**	**0.1894**		**0.1894**	**0.1894**	**0.0000**	**1,478.6805**	**1,478.6805**	**0.0729**		**1,480.5021**

3.44 Plot 12 (2033) Paving - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3933	11.4334	21.5018	0.0485		0.4258	0.4258		0.4258	0.4258		4,945.1364	4,945.1364	0.2131		4,950.4632
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.6388**	**11.4334**	**21.5018**	**0.0485**		**0.4258**	**0.4258**		**0.4258**	**0.4258**		**4,945.1364**	**4,945.1364**	**0.2131**		**4,950.4632**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3933	11.4334	21.5018	0.0485		0.4258	0.4258		0.4258	0.4258	0.0000	4,945.1364	4,945.1364	0.2131		4,950.4632
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	**3.6388**	**11.4334**	**21.5018**	**0.0485**		**0.4258**	**0.4258**		**0.4258**	**0.4258**	**0.0000**	**4,945.1364**	**4,945.1364**	**0.2131**		**4,950.4632**

3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.2577	0.0000	8.2577	4.2166	0.0000	4.2166			0.0000			0.0000
Off-Road	0.7448	3.8257	7.8691	0.0133		0.1661	0.1661		0.1661	0.1661		1,263.0332	1,263.0332	0.0655		1,264.6694
Total	**0.7448**	**3.8257**	**7.8691**	**0.0133**	**8.2577**	**0.1661**	**8.4238**	**4.2166**	**0.1661**	**4.3827**		**1,263.0332**	**1,263.0332**	**0.0655**		**1,264.6694**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2205	0.0000	3.2205	1.6445	0.0000	1.6445			0.0000			0.0000
Off-Road	0.7448	3.8257	7.8691	0.0133		0.1661	0.1661		0.1661	0.1661	0.0000	1,263.0332	1,263.0332	0.0655		1,264.6694
Total	**0.7448**	**3.8257**	**7.8691**	**0.0133**	**3.2205**	**0.1661**	**3.3866**	**1.6445**	**0.1661**	**1.8106**	**0.0000**	**1,263.0332**	**1,263.0332**	**0.0655**		**1,264.6694**

3.46 Plots 12 and 21,22 (2034) Utilities - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Off-Road	7.9486	24.8216	58.5976	0.1877		0.6647	0.6647		0.6647	0.6647		19,822.2167	19,822.2167	0.7065		19,839.8795
Total	**7.9486**	**24.8216**	**58.5976**	**0.1877**		**0.6647**	**0.6647**		**0.6647**	**0.6647**		**19,822.2167**	**19,822.2167**	**0.7065**		**19,839.8795**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	7.9486	24.8216	58.5976	0.1877		0.6647	0.6647		0.6647	0.6647	0.0000	19,822.2167	19,822.2167	0.7065		19,839.8795
Total	**7.9486**	**24.8216**	**58.5976**	**0.1877**		**0.6647**	**0.6647**		**0.6647**	**0.6647**	**0.0000**	**19,822.2167**	**19,822.2167**	**0.7065**		**19,839.8795**

3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1324	7.3709	16.1788	0.0272		0.1505	0.1505		0.1505	0.1505		2,562.9012	2,562.9012	0.0999		2,565.3975
Total	**1.1324**	**7.3709**	**16.1788**	**0.0272**		**0.1505**	**0.1505**		**0.1505**	**0.1505**		**2,562.9012**	**2,562.9012**	**0.0999**		**2,565.3975**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1324	7.3709	16.1788	0.0272		0.1505	0.1505		0.1505	0.1505	0.0000	2,562.9012	2,562.9012	0.0999		2,565.3975
Total	**1.1324**	**7.3709**	**16.1788**	**0.0272**		**0.1505**	**0.1505**		**0.1505**	**0.1505**	**0.0000**	**2,562.9012**	**2,562.9012**	**0.0999**		**2,565.3975**

3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3157	12.6733	40.1765	0.0832		0.3817	0.3817		0.3817	0.3817		8,120.4478	8,120.4478	0.2913		8,127.7289
Total	**3.3157**	**12.6733**	**40.1765**	**0.0832**		**0.3817**	**0.3817**		**0.3817**	**0.3817**		**8,120.4478**	**8,120.4478**	**0.2913**		**8,127.7289**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3157	12.6733	40.1765	0.0832		0.3817	0.3817		0.3817	0.3817	0.0000	8,120.4477	8,120.4477	0.2913		8,127.7289

Total	**3.3157**	**12.6733**	**40.1765**	**0.0832**		**0.3817**	**0.3817**		**0.3817**	**0.3817**	**0.0000**	**8,120.4477**	**8,120.4477**	**0.2913**		**8,127.7289**

3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9544	11.0043	22.6081	0.0347		0.1750	0.1750		0.1750	0.1750		3,152.9599	3,152.9599	0.1735		3,157.2973
Total	**1.9544**	**11.0043**	**22.6081**	**0.0347**		**0.1750**	**0.1750**		**0.1750**	**0.1750**		**3,152.9599**	**3,152.9599**	**0.1735**		**3,157.2973**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9544	11.0043	22.6081	0.0347		0.1750	0.1750		0.1750	0.1750	0.0000	3,152.9599	3,152.9599	0.1735		3,157.2973
Total	**1.9544**	**11.0043**	**22.6081**	**0.0347**		**0.1750**	**0.1750**		**0.1750**	**0.1750**	**0.0000**	**3,152.9599**	**3,152.9599**	**0.1735**		**3,157.2973**

3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4488	6.7336	17.3282	0.0285		0.1809	0.1809		0.1809	0.1809		2,638.5755	2,638.5755	0.1280		2,641.7758
Total	**1.4488**	**6.7336**	**17.3282**	**0.0285**		**0.1809**	**0.1809**		**0.1809**	**0.1809**		**2,638.5755**	**2,638.5755**	**0.1280**		**2,641.7758**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4488	6.7336	17.3282	0.0285		0.1809	0.1809		0.1809	0.1809	0.0000	2,638.5755	2,638.5755	0.1280		2,641.7758
Total	**1.4488**	**6.7336**	**17.3282**	**0.0285**		**0.1809**	**0.1809**		**0.1809**	**0.1809**	**0.0000**	**2,638.5755**	**2,638.5755**	**0.1280**		**2,641.7758**

3.51 Plots 12 and 21,22 (2034) Landscaping - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5460	7.0163	18.8043	0.0312		0.1932	0.1932		0.1932	0.1932		2,889.6536	2,889.6536	0.1364		2,893.0638
Total	**1.5460**	**7.0163**	**18.8043**	**0.0312**		**0.1932**	**0.1932**		**0.1932**	**0.1932**		**2,889.6536**	**2,889.6536**	**0.1364**		**2,893.0638**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5460	7.0163	18.8043	0.0312		0.1932	0.1932		0.1932	0.1932	0.0000	2,889.6536	2,889.6536	0.1364		2,893.0638
Total	**1.5460**	**7.0163**	**18.8043**	**0.0312**		**0.1932**	**0.1932**		**0.1932**	**0.1932**	**0.0000**	**2,889.6536**	**2,889.6536**	**0.1364**		**2,893.0638**

3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6316	1.9830	3.1011	0.0142		0.0654	0.0654		0.0654	0.0654		1,616.8479	1,616.8479	0.0569		1,618.2704
Total	**0.6316**	**1.9830**	**3.1011**	**0.0142**		**0.0654**	**0.0654**		**0.0654**	**0.0654**		**1,616.8479**	**1,616.8479**	**0.0569**		**1,618.2704**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.6316	1.9830	3.1011	0.0142		0.0654	0.0654		0.0654	0.0654	0.0000	1,616.8479	1,616.8479	0.0569		1,618.2704
Total	**0.6316**	**1.9830**	**3.1011**	**0.0142**		**0.0654**	**0.0654**		**0.0654**	**0.0654**	**0.0000**	**1,616.8479**	**1,616.8479**	**0.0569**		**1,618.2704**

3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches -

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0220	0.1381	0.1156	2.7000e-004		5.3700e-003	5.3700e-003		5.3700e-003	5.3700e-003		18.9436	18.9436	1.9700e-003		18.9928
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2675**	**0.1381**	**0.1156**	**2.7000e-004**		**5.3700e-003**	**5.3700e-003**		**5.3700e-003**	**5.3700e-003**		**18.9436**	**18.9436**	**1.9700e-003**		**18.9928**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0220	0.1381	0.1156	2.7000e-004		5.3700e-003	5.3700e-003		5.3700e-003	5.3700e-003	0.0000	18.9436	18.9436	1.9700e-003		18.9928
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2675**	**0.1381**	**0.1156**	**2.7000e-004**		**5.3700e-003**	**5.3700e-003**		**5.3700e-003**	**5.3700e-003**	**0.0000**	**18.9436**	**18.9436**	**1.9700e-003**		**18.9928**

3.54 Plots 12 and 21,22 (2034) Paving - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3933	11.4334	21.5018	0.0485		0.4258	0.4258		0.4258	0.4258		4,945.1364	4,945.1364	0.2131		4,950.4632
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.6388**	**11.4334**	**21.5018**	**0.0485**		**0.4258**	**0.4258**		**0.4258**	**0.4258**		**4,945.1364**	**4,945.1364**	**0.2131**		**4,950.4632**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3933	11.4334	21.5018	0.0485		0.4258	0.4258		0.4258	0.4258	0.0000	4,945.1364	4,945.1364	0.2131		4,950.4632
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.6388**	**11.4334**	**21.5018**	**0.0485**		**0.4258**	**0.4258**		**0.4258**	**0.4258**	**0.0000**	**4,945.1364**	**4,945.1364**	**0.2131**		**4,950.4632**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Total					

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
NaturalGas Unmitigated	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Unrefrigerated Warehouse-No	225803	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
Total		**2.4351**	**22.1375**	**18.5955**	**0.1328**		**1.6825**	**1.6825**		**1.6825**	**1.6825**		**26,565.0282**	**26,565.0282**	**0.5092**	**0.4870**	**26,722.8909**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	225.803	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
Total		**2.4351**	**22.1375**	**18.5955**	**0.1328**		**1.6825**	**1.6825**		**1.6825**	**1.6825**		**26,565.0282**	**26,565.0282**	**0.5092**	**0.4870**	**26,722.8909**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	909.6882	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Unmitigated	909.6882	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	103.5231					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	805.7870					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.3780	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Total	**909.6881**	**0.0371**	**4.1313**	**3.1000e-004**		**0.0147**	**0.0147**		**0.0147**	**0.0147**		**8.9125**	**8.9125**	**0.0230**		**9.4865**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	103.5231					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	805.7870					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.3780	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Total	**909.6881**	**0.0371**	**4.1313**	**3.1000e-004**		**0.0147**	**0.0147**		**0.0147**	**0.0147**		**8.9125**	**8.9125**	**0.0230**		**9.4865**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

A.2 Mitigated Air Quality Emissions

AQ Emissions Summary

MITIGATED Construction Year	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
	lb/day									
2020	159.83	148.07	789.39	1.67	126.55	3.73	130.28	27.30	3.63	30.93
2021	163.39	172.35	942.73	1.96	125.58	4.27	129.85	25.90	4.16	30.07
2022	165.88	190.94	994.85	2.10	154.38	5.10	159.48	36.85	4.93	41.78
2023	164.02	172.35	996.19	2.12	170.07	3.98	174.05	39.90	3.90	43.80
2024	162.21	164.97	939.16	1.99	151.29	3.69	154.98	31.40	3.61	35.01
2025	155.10	125.98	709.30	1.48	123.66	2.67	126.33	26.98	2.62	29.60
2026	149.25	86.74	493.19	1.08	91.07	1.91	92.98	18.28	1.88	20.16
2027	146.89	70.75	453.95	0.91	40.42	1.71	42.12	10.26	1.68	11.94
2028	151.12	102.84	475.64	1.22	171.95	1.97	173.92	24.46	1.92	26.38
2029	148.48	87.41	450.87	1.04	114.15	1.79	115.94	18.24	1.75	19.99
2030	148.28	82.25	429.88	1.07	113.94	1.64	115.58	18.17	1.62	19.79
2031	146.67	76.55	375.38	0.94	108.07	1.42	109.50	14.94	1.41	16.35
2032	145.39	71.72	347.91	0.87	103.10	1.31	104.41	14.44	1.29	15.73
2033	142.84	61.24	269.93	0.67	81.01	1.00	82.01	10.81	0.98	11.79
2034	143.09	64.29	263.25	0.70	99.42	1.01	100.44	12.82	0.99	13.81
Daily Maximum	**165.88**	**190.94**	**996.19**	**2.12**	**171.95**	**5.10**	**174.05**	**39.90**	**4.93**	**43.80**
SCAQMD Regional Significance Thresholds	75.00	100.00	550.00	150.00			150.00			55.00
Exceeds Threshold?	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No

Plots 2, 4, 9, 1, 3, and 20

World Logistcs Center Construction - Plots 2,4,9,1,3, and 20

Regional Emissions Mitigated

Summer	Onsite Emissions										Onsite Mobile Emissions									
Source	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
	lb/day										lb/day									
3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	9.22	44.26	317.38	0.70	23.58	1.41	24.99	10.33	1.38	11.71	0.22	0.16	0.28	0.01	13.64	0.00	13.64	1.36	0.00	1.36
3.3 Plots 2 and 4 (2020) Finish Grading - 2020	0.13	0.58	8.22	0.01	11.95	0.02	11.97	6.48	0.02	6.49	0.05	0.02	0.06	0.00	3.56	0.00	3.56	0.36	0.00	0.36
3.4 Plots 2 and 4 (2020) Utilities - 2020	3.73	22.23	152.27	0.29	0.00	0.48	0.48	0.00	0.48	0.48	0.49	0.48	0.43	0.03	18.51	0.00	18.51	1.85	0.00	1.85
3.5 Plots 2 and 4 (2020) Landscaping - 2020	1.50	13.40	38.80	0.05	0.00	0.38	0.38	0.00	0.36	0.36	0.11	0.04	0.05	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.6 Plots 2 and 4 (2020) Building Concrete - 2020	0.45	2.14	21.23	0.03	0.00	0.07	0.07	0.00	0.07	0.07	0.08	0.42	0.36	0.00	11.59	0.00	11.59	1.16	0.00	1.16
3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	1.71	7.39	93.16	0.14	0.00	0.23	0.23	0.00	0.23	0.23	0.29	0.21	0.21	0.02	10.07	0.00	10.07	1.01	0.00	1.01
3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	0.60	5.82	26.06	0.04	0.00	0.08	0.08	0.00	0.08	0.08	0.13	0.30	0.25	0.01	8.35	0.00	8.35	0.83	0.00	0.83
3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	0.34	1.48	12.52	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	1.40	12.94	32.26	0.04	0.00	0.37	0.37	0.00	0.34	0.34	0.13	0.04	0.06	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.11 Plots 2 and 4 (2020) Paving - 2020	2.27	4.49	52.34	0.09	0.00	0.14	0.14	0.00	0.14	0.14	0.13	0.07	0.13	0.01	6.87	0.00	6.87	0.69	0.00	0.69
3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	1.49	2.23	10.90	0.01	0.00	0.04	0.04	0.00	0.04	0.04	0.08	0.06	0.07	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.13 Plot 4 (2021) Mass Excavation - 2021	11.84	57.85	395.66	0.87	20.82	1.86	22.68	8.73	1.82	10.55	0.21	0.15	0.27	0.01	13.64	0.00	13.64	1.36	0.00	1.36
3.14 Plot 4 (2021) Finish Grading - 2021	0.13	0.58	8.22	0.01	11.95	0.02	11.97	6.48	0.02	6.50	0.05	0.02	0.06	0.00	3.58	0.00	3.58	0.36	0.00	0.36
3.15 Plot 4 (2021) Utilities - 2021	4.47	25.46	180.26	0.35	0.00	0.58	0.58	0.00	0.58	0.58	0.48	0.47	0.42	0.03	18.53	0.00	18.53	1.85	0.00	1.85
3.16 Plot 4 (2021) Building-Concrete - 2021	0.84	4.08	39.55	0.06	0.00	0.14	0.14	0.00	0.14	0.14	0.08	0.41	0.36	0.00	11.61	0.00	11.61	1.16	0.00	1.16
3.17 Plot 4 (2021) Building-Wet Utilities - 2021	1.75	7.59	95.93	0.14	0.00	0.23	0.23	0.00	0.23	0.23	0.08	0.41	0.36	0.00	11.61	0.00	11.61	1.16	0.00	1.16
3.18 Plot 4 (2021) Building-Electrical - 2021	1.12	12.59	50.67	0.07	0.00	0.14	0.14	0.00	0.14	0.14	0.13	0.30	0.24	0.01	8.37	0.00	8.37	0.84	0.00	0.84
3.19 Plot 4 (2021) Building-Landscaping - 2021	1.38	13.02	35.93	0.05	0.00	0.34	0.34	0.00	0.32	0.32	0.13	0.04	0.05	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.20 Plot 4 (2021) Landscaping - 2021	1.42	13.21	38.65	0.05	0.00	0.34	0.34	0.00	0.32	0.32	0.11	0.03	0.05	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.21 Plot 4 (2021) Temporary Utilities - 2021	0.34	1.48	12.52	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	1.50	2.23	10.90	0.01	0.00	0.04	0.04	0.00	0.04	0.04	0.08	0.06	0.07	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.23 Plot 4 (2021) Paving - 2021	2.28	4.49	52.34	0.09	0.00	0.14	0.14	0.00	0.14	0.14	0.13	0.07	0.12	0.01	6.87	0.00	6.88	0.69	0.00	0.69
3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	12.47	58.34	425.51	0.94	37.36	1.85	39.21	15.71	1.82	17.53	0.26	0.23	0.30	0.01	15.27	0.00	15.27	1.52	0.00	1.52
3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2.06	19.52	33.78	0.05	18.03	1.00	19.03	9.73	0.92	10.65	0.09	0.03	0.05	0.00	3.56	0.00	3.56	0.36	0.00	0.36
3.26 Plots 4 and 9 (2022) Utilities - 2022	4.47	25.46	180.26	0.35	0.00	0.58	0.58	0.00	0.58	0.58	0.28	0.26	0.24	0.02	10.98	0.00	10.98	1.10	0.00	1.10
3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	0.84	4.08	39.55	0.06	0.00	0.14	0.14	0.00	0.14	0.14	0.20	0.36	0.36	0.01	14.26	0.00	14.26	1.42	0.00	1.42
3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	1.71	7.39	93.16	0.14	0.00	0.23	0.23	0.00	0.23	0.23	0.28	0.19	0.19	0.02	10.08	0.00	10.08	1.01	0.00	1.01
3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	1.12	12.59	50.67	0.07	0.00	0.14	0.14	0.00	0.14	0.14	0.12	0.17	0.16	0.01	6.42	0.00	6.42	0.64	0.00	0.64
3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	1.31	12.89	36.35	0.05	0.00	0.31	0.31	0.00	0.29	0.29	0.10	0.22	0.20	0.01	7.59	0.00	7.59	0.76	0.00	0.76
3.31 Plots 4 and 9 (2022) Landscaping - 2022	1.35	13.05	38.53	0.05	0.00	0.31	0.31	0.00	0.29	0.29	0.29	0.24	0.23	0.02	10.94	0.00	10.94	1.09	0.00	1.09
3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	0.34	1.48	12.52	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	1.50	2.23	10.90	0.01	0.00	0.04	0.04	0.00	0.04	0.04	0.10	0.17	0.15	0.01	5.90	0.00	5.90	0.59	0.00	0.59
3.34 Plots 4 and 9 (2022) Paving - 2022	2.28	4.49	52.34	0.09	0.00	0.14	0.14	0.00	0.14	0.14	0.12	0.05	0.08	0.01	5.10	0.00	5.10	0.51	0.00	0.51
3.35 Plot 9 (2023) Mass Excavation - 2023	11.55	53.50	393.81	0.87	45.08	1.69	46.77	17.83	1.67	19.50	0.31	0.29	0.35	0.02	16.88	0.00	16.89	1.68	0.00	1.69
3.36 Plot 9 (2023) Finish Grading - 2023	0.27	1.16	16.45	0.02	18.24	0.04	18.27	9.75	0.04	9.79	0.13	0.03	0.04	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.37 Plot 9 (2023) Utilities - 2023	4.47	25.46	180.26	0.35	0.00	0.58	0.58	0.00	0.58	0.58	0.08	0.05	0.06	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.38 Plot 9 (2023) Building-Concrete - 2023	0.84	4.08	39.55	0.06	0.00	0.14	0.14	0.00	0.14	0.14	0.31	0.29	0.35	0.02	16.88	0.00	16.89	1.68	0.00	1.69
3.39 Plot 9 (2023) Building-Wet Utilities - 2023	1.71	7.39	93.16	0.14	0.00	0.23	0.23	0.00	0.23	0.23	0.28	0.18	0.19	0.02	10.08	0.00	10.08	1.01	0.00	1.01
3.40 Plot 9 (2023) Building-Electrical - 2023	1.12	12.59	50.67	0.07	0.00	0.14	0.14	0.00	0.14	0.14	0.11	0.03	0.06	0.01	4.46	0.00	4.46	0.44	0.00	0.44
3.41 Plot 9 (2023) Building-Landscaping - 2023	1.24	12.63	36.16	0.05	0.00	0.26	0.26	0.00	0.24	0.24	0.08	0.40	0.37	0.00	11.64	0.00	11.64	1.16	0.00	1.16
3.42 Plot 9 (2023) Interchange - 2023	1.24	5.44	50.62	0.10	0.00	0.17	0.17	0.00	0.17	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.43 Plot 9 (2023) Landscaping - 2023	1.28	12.78	38.34	0.05	0.00	0.26	0.26	0.00	0.25	0.25	0.47	0.44	0.41	0.03	18.55	0.00	18.55	1.85	0.00	1.85
3.44 Plot 9 (2023) Temporary Utilities - 2023	0.34	1.48	12.52	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	1.52	2.30	11.99	0.02	0.00	0.04	0.04	0.00	0.04	0.04	0.13	0.29	0.25	0.01	8.38	0.00	8.38	0.84	0.00	0.84
3.46 Plot 9 (2023) Paving - 2023	2.28	4.49	52.34	0.09	0.00	0.14	0.14	0.00	0.14	0.14	0.11	0.03	0.04	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	9.87	45.71	332.79	0.74	27.75	1.45	29.20	10.78	1.43	12.20	0.24	0.20	0.28	0.01	14.90	0.00	14.90	1.49	0.00	1.49
3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	0.19	0.83	11.88	0.02	15.09	0.03	15.12	8.11	0.03	8.14	0.27	0.24	0.23	0.02	10.96	0.00	10.96	1.09	0.00	1.09
3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	4.49	25.54	181.35	0.35	0.00	0.58	0.58	0.00	0.58	0.58	0.27	0.24	0.23	0.02	10.96	0.00	10.96	1.09	0.00	1.09
3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	0.84	4.08	39.55	0.06	0.00	0.14	0.14	0.00	0.14	0.14	0.19	0.34	0.35	0.01	14.22	0.00	14.23	1.42	0.00	1.42
3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	1.71	7.39	93.16	0.14	0.00	0.23	0.23	0.00	0.23	0.23	0.28	0.18	0.18	0.02	10.07	0.00	10.07	1.01	0.00	1.01
3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	1.08	12.31	50.44	0.07	0.00	0.13	0.13	0.00	0.13	0.13	0.12	0.16	0.15	0.01	6.40	0.00	6.40	0.64	0.00	0.64
3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	1.21	12.52	36.10	0.05	0.00	0.24	0.24	0.00	0.23	0.23	0.10	0.21	0.20	0.01	7.56	0.00	7.57	0.76	0.00	0.76
3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	1.24	5.44	50.62	0.10	0.00	0.17	0.17	0.00	0.17	0.17	0.05	0.08	0.10	0.00	4.14	0.00	4.14	0.41	0.00	0.41
3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	1.24	12.67	38.28	0.05	0.00	0.24	0.24	0.00	0.23	0.23	0.29	0.23	0.22	0.02	10.92	0.00	10.92	1.09	0.00	1.09
3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	0.34	1.48	12.52	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	1.67	4.01	20.41	0.03	0.00	0.06	0.06	0.00	0.06	0.06	0.10	0.04	0.05	0.01	3.47	0.00	3.48	0.35	0.00	0.35
3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2.27	4.49	52.34	0.09	0.00	0.14	0.14	0.00	0.14	0.14	0.12	0.04	0.07	0.01	5.10	0.00	5.10	0.51	0.00	0.51

World Logistcs Center Construction - Plots 2,4,9,1,3, and 20

Regional Emissions Mitigated

Summer	Offsite Mobile Emissions									
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Source	lb/day									
3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	0.21	2.85	3.72	0.02	1.30	0.05	1.35	0.35	0.05	0.40
3.3 Plots 2 and 4 (2020) Finish Grading - 2020	0.05	0.48	1.07	0.00	0.33	0.01	0.34	0.09	0.01	0.10
3.4 Plots 2 and 4 (2020) Utilities - 2020	0.34	8.16	3.95	0.04	1.86	0.13	1.99	0.51	0.12	0.63
3.5 Plots 2 and 4 (2020) Landscaping - 2020	0.07	1.21	0.90	0.01	0.33	0.02	0.35	0.09	0.02	0.11
3.6 Plots 2 and 4 (2020) Building Concrete - 2020	0.14	4.28	2.07	0.03	1.15	0.05	1.19	0.31	0.04	0.36
3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	0.20	4.12	2.36	0.02	1.00	0.07	1.07	0.28	0.07	0.34
3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	0.12	3.75	1.47	0.02	0.84	0.05	0.89	0.23	0.05	0.28
3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	0.08	1.40	0.94	0.01	0.35	0.03	0.38	0.10	0.03	0.12
3.11 Plots 2 and 4 (2020) Paving - 2020	0.11	1.55	1.91	0.01	0.66	0.03	0.69	0.18	0.03	0.20
3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	0.06	1.14	0.85	0.01	0.33	0.02	0.35	0.09	0.02	0.11
3.13 Plot 4 (2021) Mass Excavation - 2021	0.18	2.61	3.36	0.02	1.30	0.04	1.34	0.35	0.04	0.39
3.14 Plot 4 (2021) Finish Grading - 2021	0.05	0.43	0.96	0.00	0.34	0.01	0.34	0.09	0.01	0.10
3.15 Plot 4 (2021) Utilities - 2021	0.29	7.58	3.56	0.04	1.86	0.11	1.97	0.51	0.11	0.62
3.16 Plot 4 (2021) Building-Concrete - 2021	0.13	4.26	1.91	0.03	1.15	0.05	1.20	0.31	0.04	0.36
3.17 Plot 4 (2021) Building-Wet Utilities - 2021	0.13	4.26	1.91	0.03	1.15	0.05	1.20	0.31	0.04	0.36
3.18 Plot 4 (2021) Building-Electrical - 2021	0.11	3.62	1.34	0.02	0.84	0.05	0.89	0.23	0.04	0.27
3.19 Plot 4 (2021) Building-Landscaping - 2021	0.07	1.23	0.84	0.01	0.35	0.02	0.37	0.10	0.02	0.12
3.20 Plot 4 (2021) Landscaping - 2021	0.06	1.06	0.81	0.01	0.33	0.02	0.35	0.09	0.02	0.11
3.21 Plot 4 (2021) Temporary Utilities - 2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	0.05	1.04	0.76	0.01	0.33	0.02	0.35	0.09	0.02	0.11
3.23 Plot 4 (2021) Paving - 2021	0.10	1.40	1.72	0.01	0.66	0.02	0.68	0.18	0.02	0.20
3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	0.17	3.34	3.15	0.02	1.47	0.04	1.51	0.40	0.04	0.44
3.25 Plots 4 and 9 (2022) Finish Grading - 2022	0.04	0.67	0.79	0.00	0.34	0.01	0.35	0.09	0.01	0.10
3.26 Plots 4 and 9 (2022) Utilities - 2022	0.13	3.84	1.89	0.02	1.10	0.04	1.14	0.30	0.04	0.34
3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	0.15	4.31	2.52	0.03	1.40	0.05	1.45	0.38	0.04	0.42
3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	0.12	3.26	1.85	0.02	1.01	0.04	1.04	0.28	0.04	0.31
3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	0.07	2.19	1.09	0.01	0.64	0.02	0.66	0.17	0.02	0.20
3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	0.08	2.61	1.24	0.02	0.75	0.03	0.78	0.20	0.03	0.23
3.31 Plots 4 and 9 (2022) Landscaping - 2022	0.13	3.81	1.91	0.02	1.10	0.04	1.14	0.30	0.04	0.34
3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	0.06	2.18	0.94	0.01	0.59	0.02	0.61	0.16	0.02	0.18
3.34 Plots 4 and 9 (2022) Paving - 2022	0.06	1.02	1.11	0.01	0.49	0.01	0.51	0.13	0.01	0.15
3.35 Plot 9 (2023) Mass Excavation - 2023	0.12	3.88	2.92	0.03	1.65	0.03	1.68	0.45	0.03	0.48
3.36 Plot 9 (2023) Finish Grading - 2023	0.03	0.72	0.62	0.01	0.35	0.01	0.36	0.10	0.01	0.10
3.37 Plot 9 (2023) Utilities - 2023	0.03	0.76	0.59	0.01	0.33	0.01	0.34	0.09	0.01	0.10
3.38 Plot 9 (2023) Building-Concrete - 2023	0.12	3.88	2.92	0.03	1.65	0.03	1.68	0.45	0.03	0.48
3.39 Plot 9 (2023) Building-Wet Utilities - 2023	0.07	2.73	1.60	0.02	1.01	0.02	1.03	0.28	0.02	0.30
3.40 Plot 9 (2023) Building-Electrical - 2023	0.03	0.70	0.86	0.01	0.43	0.01	0.44	0.12	0.01	0.12
3.41 Plot 9 (2023) Building-Landscaping - 2023	0.08	4.29	1.58	0.02	1.15	0.04	1.19	0.31	0.03	0.35
3.42 Plot 9 (2023) Interchange - 2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.43 Plot 9 (2023) Landscaping - 2023	0.13	5.93	2.70	0.04	1.86	0.05	1.91	0.51	0.05	0.56
3.44 Plot 9 (2023) Temporary Utilities - 2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	0.05	3.31	1.06	0.02	0.84	0.03	0.87	0.23	0.03	0.26
3.46 Plot 9 (2023) Paving - 2023	0.02	0.62	0.61	0.01	0.33	0.01	0.33	0.09	0.01	0.10
3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	0.11	2.68	2.61	0.02	1.43	0.02	1.46	0.39	0.02	0.41
3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	0.07	3.33	1.55	0.02	1.10	0.03	1.12	0.30	0.03	0.33
3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	0.07	3.33	1.55	0.02	1.10	0.03	1.12	0.30	0.03	0.33
3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	0.09	4.05	2.12	0.03	1.40	0.03	1.43	0.38	0.03	0.41
3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	0.07	2.72	1.51	0.02	1.00	0.02	1.03	0.28	0.02	0.30
3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	0.04	1.99	0.90	0.01	0.64	0.02	0.65	0.17	0.02	0.19
3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	0.05	2.48	1.04	0.01	0.75	0.02	0.77	0.20	0.02	0.22
3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	0.03	0.98	0.67	0.01	0.40	0.01	0.41	0.11	0.01	0.12
3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	0.07	3.26	1.56	0.02	1.09	0.03	1.12	0.30	0.03	0.33
3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	0.02	0.74	0.57	0.01	0.34	0.01	0.35	0.09	0.01	0.10
3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	0.04	0.79	0.92	0.01	0.49	0.01	0.50	0.13	0.01	0.14

Regional Emissions	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	9.65	47.27	321.39	0.73	38.52	1.46	39.97	12.04	1.43	13.47
3.3 Plots 2 and 4 (2020) Finish Grading - 2020	0.24	1.07	9.35	0.02	15.84	0.03	15.87	6.92	0.03	6.95
3.4 Plots 2 and 4 (2020) Utilities - 2020	4.55	30.88	156.65	0.36	20.37	0.62	20.98	2.36	0.61	2.97
3.5 Plots 2 and 4 (2020) Landscaping - 2020	1.69	14.64	39.75	0.06	3.66	0.41	4.06	0.42	0.38	0.80
3.6 Plots 2 and 4 (2020) Building Concrete - 2020	0.67	6.84	23.66	0.06	12.74	0.12	12.86	1.47	0.12	1.59
3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2.19	11.72	95.72	0.18	11.07	0.30	11.37	1.28	0.30	1.58
3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	0.86	9.87	27.77	0.06	9.19	0.13	9.33	1.06	0.13	1.19
3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	0.34	1.48	12.52	0.03	0.00	0.05	0.05	0.00	0.05	0.05
3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	1.61	14.38	33.26	0.06	3.89	0.40	4.29	0.45	0.37	0.82
3.11 Plots 2 and 4 (2020) Paving - 2020	2.52	6.11	54.38	0.10	7.53	0.17	7.70	0.86	0.17	1.03
3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	1.64	3.42	11.82	0.03	3.74	0.06	3.80	0.43	0.06	0.49
3.13 Plot 4 (2021) Mass Excavation - 2021	12.23	60.62	399.29	0.90	35.76	1.90	37.66	10.44	1.86	12.30
3.14 Plot 4 (2021) Finish Grading - 2021	0.23	1.03	9.25	0.02	15.86	0.03	15.89	6.92	0.03	6.95
3.15 Plot 4 (2021) Utilities - 2021	5.25	33.52	184.24	0.41	20.39	0.70	21.09	2.36	0.69	3.05
3.16 Plot 4 (2021) Building-Concrete - 2021	1.05	8.75	41.82	0.09	12.76	0.18	12.95	1.47	0.18	1.65
3.17 Plot 4 (2021) Building-Wet Utilities - 2021	1.96	12.26	98.20	0.17	12.76	0.28	13.04	1.47	0.28	1.75
3.18 Plot 4 (2021) Building-Electrical - 2021	1.36	16.51	52.26	0.09	9.21	0.18	9.39	1.07	0.18	1.25
3.19 Plot 4 (2021) Building-Landscaping - 2021	1.57	14.29	36.82	0.06	3.89	0.36	4.25	0.45	0.34	0.79
3.20 Plot 4 (2021) Landscaping - 2021	1.59	14.30	39.51	0.06	3.66	0.36	4.02	0.42	0.34	0.76
3.21 Plot 4 (2021) Temporary Utilities - 2021	0.34	1.48	12.52	0.03	0.00	0.05	0.05	0.00	0.05	0.05
3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	1.63	3.32	11.73	0.03	3.75	0.05	3.80	0.43	0.05	0.49
3.23 Plot 4 (2021) Paving - 2021	2.50	5.95	54.18	0.10	7.53	0.16	7.70	0.86	0.16	1.03
3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	12.90	61.91	428.96	0.98	54.10	1.89	56.00	17.63	1.86	19.49
3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2.19	20.22	34.63	0.06	21.93	1.01	22.94	10.18	0.93	11.10
3.26 Plots 4 and 9 (2022) Utilities - 2022	4.88	29.56	182.39	0.39	12.08	0.63	12.71	1.40	0.62	2.02
3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	1.19	8.75	42.43	0.09	15.66	0.19	15.85	1.80	0.18	1.99
3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2.11	10.85	95.20	0.17	11.09	0.27	11.36	1.28	0.27	1.55
3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	1.32	14.95	51.92	0.09	7.06	0.16	7.22	0.81	0.16	0.98
3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	1.50	15.73	37.79	0.07	8.34	0.34	8.68	0.96	0.31	1.28
3.31 Plots 4 and 9 (2022) Landscaping - 2022	1.77	17.10	40.66	0.09	12.03	0.36	12.39	1.39	0.34	1.73
3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	0.34	1.48	12.52	0.03	0.00	0.05	0.05	0.00	0.05	0.05
3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	1.67	4.58	12.00	0.03	6.49	0.06	6.55	0.75	0.06	0.81
3.34 Plots 4 and 9 (2022) Paving - 2022	2.46	5.55	53.54	0.10	5.60	0.15	5.75	0.64	0.15	0.79
3.35 Plot 9 (2023) Mass Excavation - 2023	11.99	57.67	397.07	0.92	63.61	1.73	65.34	19.97	1.70	21.67
3.36 Plot 9 (2023) Finish Grading - 2023	0.42	1.91	17.12	0.04	22.13	0.04	22.17	10.20	0.04	10.24
3.37 Plot 9 (2023) Utilities - 2023	4.57	26.28	180.91	0.36	3.75	0.59	4.34	0.43	0.59	1.02
3.38 Plot 9 (2023) Building-Concrete - 2023	1.28	8.25	42.82	0.10	18.53	0.17	18.70	2.13	0.17	2.30
3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2.06	10.30	94.95	0.17	11.09	0.25	11.34	1.28	0.25	1.53
3.40 Plot 9 (2023) Building-Electrical - 2023	1.27	13.32	51.59	0.08	4.89	0.14	5.03	0.56	0.14	0.71
3.41 Plot 9 (2023) Building-Landscaping - 2023	1.40	17.31	38.11	0.08	12.79	0.30	13.08	1.47	0.28	1.75
3.42 Plot 9 (2023) Interchange - 2023	1.24	5.44	50.62	0.10	0.00	0.17	0.17	0.00	0.17	0.17
3.43 Plot 9 (2023) Landscaping - 2023	1.88	19.14	41.45	0.12	20.41	0.32	20.73	2.36	0.30	2.66
3.44 Plot 9 (2023) Temporary Utilities - 2023	0.34	1.48	12.52	0.03	0.00	0.05	0.05	0.00	0.05	0.05
3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	1.70	5.90	13.30	0.04	9.23	0.07	9.29	1.07	0.07	1.13
3.46 Plot 9 (2023) Paving - 2023	2.42	5.14	52.99	0.10	3.66	0.14	3.80	0.42	0.14	0.57
3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	10.22	48.59	335.68	0.77	44.08	1.48	45.55	12.65	1.45	14.10
3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	0.54	4.41	13.66	0.05	27.14	0.06	27.20	9.51	0.05	9.56
3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	4.83	29.11	183.13	0.39	12.06	0.61	12.67	1.39	0.61	2.01
3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	1.13	8.47	42.02	0.09	15.62	0.17	15.79	1.80	0.17	1.97
3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2.05	10.29	94.85	0.17	11.07	0.25	11.33	1.28	0.25	1.53
3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	1.24	14.46	51.50	0.09	7.04	0.14	7.18	0.81	0.14	0.96
3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	1.36	15.22	37.34	0.07	8.31	0.26	8.58	0.96	0.25	1.20
3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	1.32	6.50	51.39	0.11	4.54	0.18	4.72	0.52	0.18	0.70
3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	1.60	16.17	40.06	0.09	12.01	0.27	12.29	1.39	0.26	1.65
3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	0.34	1.48	12.52	0.03	0.00	0.05	0.05	0.00	0.05	0.05
3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	1.80	4.79	21.03	0.04	3.82	0.06	3.88	0.44	0.06	0.50
3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2.42	5.32	53.34	0.10	5.60	0.15	5.74	0.64	0.15	0.79
2020	158.04	147.68	786.27	1.67	126.55	3.72	130.28	27.30	3.63	30.92
2021	161.81	172.03	939.82	1.96	125.58	4.26	129.84	25.90	4.16	30.06
2022	164.40	190.67	992.03	2.10	154.38	5.10	159.48	36.85	4.93	41.78
2023	162.64	172.13	993.44	2.12	170.07	3.97	174.04	39.90	3.89	43.80
2024	160.93	164.80	936.50	1.99	151.29	3.69	154.97	31.40	3.61	35.01
Daily Maximum	**164.40**	**190.67**	**993.44**	**2.12**	**170.07**	**5.10**	**174.04**	**39.90**	**4.93**	**43.80**
SCAQMD Regional Significance Thresholds	75.00	100.00	550.00	150.00			150.00			55.00
Exceeds Threshold?	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No

	VOC Summary
2020	132.08
2021	132.08
2022	132.08
2023	132.08
2024	132.08

World Logistcs Center Construction - Plots 2,4,9,13, and 20

Localized Emissions Mitigated

Summer	Onsite Emissions										Onsite Mobile Emissions									
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Source	lb/day										lb/day									
3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	9.22	44.26	317.38	0.70	23.58	1.41	24.99	10.33	1.38	11.71	0.22	0.16	0.28	0.01	13.64	0.00166	13.64	1.36	0.00	1.36
3.3 Plots 2 and 4 (2020) Finish Grading - 2020	0.13	0.58	8.22	0.01	11.95	0.02	11.97	6.48	0.02	6.49	0.05	0.02	0.06	0.00	3.56	0.00	3.56	0.36	0.00	0.36
3.4 Plots 2 and 4 (2020) Utilities - 2020	3.73	22.23	152.27	0.29	0.00	0.48	0.48	0.00	0.48	0.48	0.49	0.48	0.43	0.03	18.51	0.00	18.51	1.85	0.00	1.85
3.5 Plots 2 and 4 (2020) Landscaping - 2020	1.50	13.40	38.80	0.05	0.00	0.38	0.38	0.00	0.36	0.36	0.11	0.04	0.05	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.6 Plots 2 and 4 (2020) Building Concrete - 2020	0.45	2.14	21.23	0.03	0.00	0.07	0.07	0.00	0.07	0.07	0.08	0.42	0.36	0.00	11.59	0.00	11.59	1.16	0.00	1.16
3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	1.71	7.39	93.16	0.14	0.00	0.23	0.23	0.00	0.23	0.23	0.29	0.21	0.21	0.02	10.07	0.00	10.07	1.01	0.00	1.01
3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	0.60	5.82	26.06	0.04	0.00	0.08	0.08	0.00	0.08	0.08	0.13	0.30	0.25	0.01	8.35	0.00	8.35	0.83	0.00	0.83
3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	0.34	1.48	12.52	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	1.40	12.94	32.26	0.04	0.00	0.37	0.37	0.00	0.34	0.34	0.13	0.04	0.06	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.11 Plots 2 and 4 (2020) Paving - 2020	2.27	4.49	52.34	0.09	0.00	0.14	0.14	0.00	0.14	0.14	0.13	0.07	0.13	0.01	6.87	0.00	6.87	0.69	0.00	0.69
3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	1.49	2.23	10.90	0.01	0.00	0.04	0.04	0.00	0.04	0.04	0.08	0.06	0.07	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.13 Plot 4 (2021) Mass Excavation - 2021	11.84	57.85	395.66	0.87	20.82	1.86	22.68	8.73	1.82	10.55	0.21	0.15	0.27	0.01	13.64	0.00	13.64	1.36	0.00	1.36
3.14 Plot 4 (2021) Finish Grading - 2021	0.13	0.58	8.22	0.01	11.95	0.02	11.97	6.48	0.02	6.50	0.05	0.02	0.06	0.00	3.58	0.00	3.58	0.36	0.00	0.36
3.15 Plot 4 (2021) Utilities - 2021	4.47	25.46	180.26	0.35	0.00	0.58	0.58	0.00	0.58	0.58	0.48	0.47	0.42	0.03	18.53	0.00	18.53	1.85	0.00	1.85
3.16 Plot 4 (2021) Building-Concrete - 2021	0.84	4.08	39.55	0.06	0.00	0.14	0.14	0.00	0.14	0.14	0.08	0.41	0.36	0.00	11.61	0.00	11.61	1.16	0.00	1.16
3.17 Plot 4 (2021) Building-Wet Utilities - 2021	1.75	7.59	95.93	0.14	0.00	0.23	0.23	0.00	0.23	0.23	0.08	0.41	0.36	0.00	11.61	0.00	11.61	1.16	0.00	1.16
3.18 Plot 4 (2021) Building-Electrical - 2021	1.12	12.59	50.67	0.07	0.00	0.14	0.14	0.00	0.14	0.14	0.13	0.30	0.24	0.01	8.37	0.00	8.37	0.84	0.00	0.84
3.19 Plot 4 (2021) Building-Landscaping - 2021	1.38	13.02	35.93	0.05	0.00	0.34	0.34	0.00	0.32	0.32	0.13	0.04	0.05	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.20 Plot 4 (2021) Landscaping - 2021	1.42	13.21	38.65	0.05	0.00	0.34	0.34	0.00	0.32	0.32	0.11	0.03	0.05	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.21 Plot 4 (2021) Temporary Utilities - 2021	0.34	1.48	12.52	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	1.50	2.23	10.90	0.01	0.00	0.04	0.04	0.00	0.04	0.04	0.08	0.06	0.07	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.23 Plot 4 (2021) Paving - 2021	2.28	4.49	52.34	0.09	0.00	0.14	0.14	0.00	0.14	0.14	0.13	0.07	0.12	0.01	6.87	0.00	6.88	0.69	0.00	0.69
3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	12.47	58.34	425.51	0.94	37.36	1.85	39.21	15.71	1.82	17.53	0.26	0.23	0.30	0.01	15.27	0.00	15.27	1.52	0.00	1.52
3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2.06	19.52	33.78	0.05	18.03	1.00	19.03	9.73	0.92	10.65	0.09	0.03	0.05	0.00	3.56	0.00	3.56	0.36	0.00	0.36
3.26 Plots 4 and 9 (2022) Utilities - 2022	4.47	25.46	180.26	0.35	0.00	0.58	0.58	0.00	0.58	0.58	0.28	0.26	0.24	0.02	10.98	0.00	10.98	1.10	0.00	1.10
3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	0.84	4.08	39.55	0.06	0.00	0.14	0.14	0.00	0.14	0.14	0.20	0.36	0.36	0.01	14.26	0.00	14.26	1.42	0.00	1.42
3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	1.71	7.39	93.16	0.14	0.00	0.23	0.23	0.00	0.23	0.23	0.28	0.19	0.19	0.02	10.08	0.00	10.08	1.01	0.00	1.01
3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	1.12	12.59	50.67	0.07	0.00	0.14	0.14	0.00	0.14	0.14	0.12	0.17	0.16	0.01	6.42	0.00	6.42	0.64	0.00	0.64
3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	1.31	12.89	36.35	0.05	0.00	0.31	0.31	0.00	0.29	0.29	0.10	0.22	0.20	0.01	7.59	0.00	7.59	0.76	0.00	0.76
3.31 Plots 4 and 9 (2022) Landscaping - 2022	1.35	13.05	38.53	0.05	0.00	0.31	0.31	0.00	0.29	0.29	0.29	0.24	0.23	0.02	10.94	0.00	10.94	1.09	0.00	1.09
3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	0.34	1.48	12.52	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	1.50	2.23	10.90	0.01	0.00	0.04	0.04	0.00	0.04	0.04	0.10	0.17	0.15	0.01	5.90	0.00	5.90	0.59	0.00	0.59
3.34 Plots 4 and 9 (2022) Paving - 2022	2.28	4.49	52.34	0.09	0.00	0.14	0.14	0.00	0.14	0.14	0.12	0.05	0.08	0.01	5.10	0.00	5.10	0.51	0.00	0.51
3.35 Plot 9 (2023) Mass Excavation - 2023	11.55	53.50	393.81	0.87	45.08	1.69	46.77	17.83	1.67	19.50	0.31	0.29	0.35	0.02	16.88	0.00	16.89	1.68	0.00	1.69
3.36 Plot 9 (2023) Finish Grading - 2023	0.27	1.16	16.45	0.02	18.24	0.04	18.27	9.75	0.04	9.79	0.13	0.03	0.04	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.37 Plot 9 (2023) Utilities - 2023	4.47	25.46	180.26	0.35	0.00	0.58	0.58	0.00	0.58	0.58	0.08	0.05	0.06	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.38 Plot 9 (2023) Building-Concrete - 2023	0.84	4.08	39.55	0.06	0.00	0.14	0.14	0.00	0.14	0.14	0.31	0.29	0.35	0.02	16.88	0.00	16.89	1.68	0.00	1.69
3.39 Plot 9 (2023) Building-Wet Utilities - 2023	1.71	7.39	93.16	0.14	0.00	0.23	0.23	0.00	0.23	0.23	0.28	0.18	0.19	0.02	10.08	0.00	10.08	1.01	0.00	1.01
3.40 Plot 9 (2023) Building-Electrical - 2023	1.12	12.59	50.67	0.07	0.00	0.14	0.14	0.00	0.14	0.14	0.11	0.03	0.06	0.01	4.46	0.00	4.46	0.44	0.00	0.44
3.41 Plot 9 (2023) Building-Landscaping - 2023	1.24	12.63	36.16	0.05	0.00	0.26	0.26	0.00	0.24	0.24	0.08	0.40	0.37	0.00	11.64	0.00	11.64	1.16	0.00	1.16
3.42 Plot 9 (2023) Interchange - 2023	1.24	5.44	50.62	0.10	0.00	0.17	0.17	0.00	0.17	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.43 Plot 9 (2023) Landscaping - 2023	1.28	12.78	38.34	0.05	0.00	0.26	0.26	0.00	0.25	0.25	0.47	0.44	0.41	0.03	18.55	0.00	18.55	1.85	0.00	1.85
3.44 Plot 9 (2023) Temporary Utilities - 2023	0.34	1.48	12.52	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	1.52	2.30	11.99	0.02	0.00	0.04	0.04	0.00	0.04	0.04	0.13	0.29	0.25	0.01	8.38	0.00	8.38	0.84	0.00	0.84
3.46 Plot 9 (2023) Paving - 2023	2.28	4.49	52.34	0.09	0.00	0.14	0.14	0.00	0.14	0.14	0.11	0.03	0.04	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	9.87	45.71	332.79	0.74	27.75	1.45	29.20	10.78	1.43	12.20	0.24	0.20	0.28	0.01	14.90	0.00	14.90	1.49	0.00	1.49
3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	0.19	0.83	11.88	0.02	15.09	0.03	15.12	8.11	0.03	8.14	0.27	0.24	0.23	0.02	10.96	0.00	10.96	1.09	0.00	1.09
3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	4.49	25.54	181.35	0.35	0.00	0.58	0.58	0.00	0.58	0.58	0.27	0.24	0.23	0.02	10.96	0.00	10.96	1.09	0.00	1.09
3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	0.84	4.08	39.55	0.06	0.00	0.14	0.14	0.00	0.14	0.14	0.19	0.34	0.35	0.01	14.22	0.00	14.23	1.42	0.00	1.42
3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	1.71	7.39	93.16	0.14	0.00	0.23	0.23	0.00	0.23	0.23	0.28	0.18	0.18	0.02	10.07	0.00	10.07	1.01	0.00	1.01
3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	1.08	12.31	50.44	0.07	0.00	0.13	0.13	0.00	0.13	0.13	0.12	0.16	0.15	0.01	6.40	0.00	6.40	0.64	0.00	0.64
3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	1.21	12.52	36.10	0.05	0.00	0.24	0.24	0.00	0.23	0.23	0.10	0.21	0.20	0.01	7.56	0.00	7.57	0.76	0.00	0.76
3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	1.24	5.44	50.62	0.10	0.00	0.17	0.17	0.00	0.17	0.17	0.05	0.08	0.10	0.00	4.14	0.00	4.14	0.41	0.00	0.41
3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	1.24	12.67	38.28	0.05	0.00	0.24	0.24	0.00	0.23	0.23	0.29	0.23	0.22	0.02	10.92	0.00	10.92	1.09	0.00	1.09
3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	0.34	1.48	12.52	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	1.67	4.01	20.41	0.03	0.00	0.06	0.06	0.00	0.06	0.06	0.10	0.04	0.05	0.01	3.47	0.00	3.48	0.35	0.00	0.35
3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2.27	4.49	52.34	0.09	0.00	0.14	0.14	0.00	0.14	0.14	0.12	0.04	0.07	0.01	5.10	0.00	5.10	0.51	0.00	0.51

Localized Emissions	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	9.44	44.42	317.66	0.71	37.22	1.41	38.62	11.69	1.38	13.07
3.3 Plots 2 and 4 (2020) Finish Grading - 2020	0.19	0.60	8.29	0.01	15.51	0.02	15.53	6.83	0.02	6.85
3.4 Plots 2 and 4 (2020) Utilities - 2020	4.21	22.72	152.70	0.31	18.51	0.49	18.99	1.85	0.48	2.33
3.5 Plots 2 and 4 (2020) Landscaping - 2020	1.62	13.43	38.85	0.06	3.33	0.38	3.71	0.33	0.36	0.69
3.6 Plots 2 and 4 (2020) Building Concrete - 2020	0.53	2.56	21.59	0.03	11.59	0.07	11.66	1.16	0.07	1.23
3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	1.99	7.60	93.37	0.16	10.07	0.23	10.30	1.01	0.23	1.23
3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	0.73	6.13	26.30	0.04	8.35	0.08	8.44	0.83	0.08	0.92
3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	0.34	1.48	12.52	0.03	0.00	0.05	0.05	0.00	0.05	0.05
3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	1.53	12.98	32.31	0.05	3.54	0.37	3.91	0.35	0.34	0.70
3.11 Plots 2 and 4 (2020) Paving - 2020	2.40	4.56	52.47	0.09	6.87	0.14	7.01	0.69	0.14	0.82
3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	1.57	2.28	10.97	0.02	3.41	0.04	3.45	0.34	0.04	0.38
3.13 Plot 4 (2021) Mass Excavation - 2021	12.05	58.00	395.92	0.88	34.46	1.86	36.32	10.09	1.82	11.91
3.14 Plot 4 (2021) Finish Grading - 2021	0.18	0.60	8.29	0.01	15.53	0.02	15.55	6.83	0.02	6.85
3.15 Plot 4 (2021) Utilities - 2021	4.95	25.94	180.68	0.37	18.53	0.59	19.11	1.85	0.58	2.43
3.16 Plot 4 (2021) Building-Concrete - 2021	0.92	4.49	39.91	0.06	11.61	0.14	11.75	1.16	0.14	1.30
3.17 Plot 4 (2021) Building-Wet Utilities - 2021	1.83	8.00	96.29	0.15	11.61	0.23	11.85	1.16	0.23	1.39
3.18 Plot 4 (2021) Building-Electrical - 2021	1.25	12.89	50.92	0.07	8.37	0.14	8.51	0.84	0.14	0.97
3.19 Plot 4 (2021) Building-Landscaping - 2021	1.51	13.06	35.98	0.05	3.54	0.34	3.88	0.35	0.32	0.67
3.20 Plot 4 (2021) Landscaping - 2021	1.53	13.24	38.70	0.06	3.33	0.34	3.68	0.33	0.32	0.66
3.21 Plot 4 (2021) Temporary Utilities - 2021	0.34	1.48	12.52	0.03	0.00	0.05	0.05	0.00	0.05	0.05
3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	1.58	2.28	10.97	0.02	3.41	0.04	3.45	0.34	0.04	0.38
3.23 Plot 4 (2021) Paving - 2021	2.41	4.55	52.46	0.09	6.87	0.14	7.01	0.69	0.14	0.82
3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	12.73	58.57	425.81	0.95	52.63	1.85	54.48	17.23	1.82	19.05
3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2.15	19.55	33.84	0.05	21.59	1.00	22.59	10.08	0.92	11.00
3.26 Plots 4 and 9 (2022) Utilities - 2022	4.75	25.72	180.50	0.36	10.98	0.58	11.56	1.10	0.58	1.68
3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	1.04	4.44	39.91	0.07	14.26	0.14	14.40	1.42	0.14	1.56
3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	1.99	7.58	93.35	0.16	10.08	0.23	10.31	1.01	0.23	1.23
3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	1.24	12.76	50.83	0.07	6.42	0.14	6.56	0.64	0.14	0.78
3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	1.42	13.12	36.55	0.05	7.59	0.31	7.90	0.76	0.29	1.05
3.31 Plots 4 and 9 (2022) Landscaping - 2022	1.64	13.29	38.75	0.07	10.94	0.31	11.25	1.09	0.29	1.39
3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	0.34	1.48	12.52	0.03	0.00	0.05	0.05	0.00	0.05	0.05
3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	1.61	2.40	11.06	0.02	5.90	0.04	5.94	0.59	0.04	0.63
3.34 Plots 4 and 9 (2022) Paving - 2022	2.40	4.53	52.42	0.09	5.10	0.14	5.24	0.51	0.14	0.65
3.35 Plot 9 (2023) Mass Excavation - 2023	11.86	53.80	394.15	0.89	61.96	1.70	63.66	19.52	1.67	21.19
3.36 Plot 9 (2023) Finish Grading - 2023	0.39	1.19	16.49	0.03	21.77	0.04	21.81	10.10	0.04	10.14
3.37 Plot 9 (2023) Utilities - 2023	4.55	25.52	180.32	0.35	3.41	0.58	4.00	0.34	0.58	0.92
3.38 Plot 9 (2023) Building-Concrete - 2023	1.15	4.37	39.90	0.07	16.88	0.14	17.02	1.68	0.14	1.82
3.39 Plot 9 (2023) Building-Wet Utilities - 2023	1.99	7.57	93.35	0.16	10.08	0.23	10.31	1.01	0.23	1.23
3.40 Plot 9 (2023) Building-Electrical - 2023	1.24	12.63	50.74	0.07	4.46	0.14	4.59	0.44	0.14	0.58
3.41 Plot 9 (2023) Building-Landscaping - 2023	1.32	13.03	36.53	0.05	11.64	0.26	11.90	1.16	0.24	1.41
3.42 Plot 9 (2023) Interchange - 2023	1.24	5.44	50.62	0.10	0.00	0.17	0.17	0.00	0.17	0.17
3.43 Plot 9 (2023) Landscaping - 2023	1.75	13.22	38.75	0.08	18.55	0.27	18.81	1.85	0.25	2.10
3.44 Plot 9 (2023) Temporary Utilities - 2023	0.34	1.48	12.52	0.03	0.00	0.05	0.05	0.00	0.05	0.05
3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	1.65	2.59	12.24	0.02	8.38	0.04	8.42	0.84	0.04	0.88
3.46 Plot 9 (2023) Paving - 2023	2.39	4.51	52.38	0.09	3.33	0.14	3.47	0.33	0.14	0.47
3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	10.12	45.90	333.07	0.75	42.64	1.45	44.09	12.26	1.43	13.69
3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	0.47	1.08	12.11	0.03	26.05	0.03	26.08	9.21	0.03	9.23
3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	4.76	25.78	181.58	0.36	10.96	0.59	11.54	1.09	0.58	1.68
3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	1.03	4.42	39.90	0.07	14.22	0.14	14.36	1.42	0.14	1.56
3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	1.98	7.57	93.34	0.16	10.07	0.23	10.30	1.01	0.23	1.23
3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	1.20	12.47	50.59	0.07	6.40	0.13	6.53	0.64	0.13	0.77
3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	1.31	12.73	36.30	0.05	7.56	0.24	7.80	0.76	0.23	0.98
3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	1.29	5.52	50.72	0.10	4.14	0.17	4.31	0.41	0.17	0.58
3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	1.53	12.90	38.50	0.07	10.92	0.25	11.17	1.09	0.23	1.32
3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	0.34	1.48	12.52	0.03	0.00	0.05	0.05	0.00	0.05	0.05
3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	1.78	4.05	20.46	0.03	3.47	0.06	3.53	0.35	0.06	0.40
3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2.39	4.53	52.41	0.09	5.10	0.14	5.24	0.51	0.14	0.65
2020	156.65	118.75	767.03	1.51	118.40	3.27	121.67	25.07	3.19	28.27
2021	160.64	144.53	922.65	1.80	117.27	3.88	121.15	23.64	3.79	27.44
2022	163.39	163.43	975.53	1.93	145.49	4.79	150.27	34.42	4.63	39.06
2023	161.95	145.33	977.99	1.94	160.46	3.74	164.21	37.28	3.68	40.96
2024	160.28	138.44	921.50	1.82	141.54	3.46	145.00	28.74	3.40	32.14
Daily Maximum	**163.39**	**163.43**	**977.99**	**1.94**	**160.46**	**4.79**	**164.21**	**37.28**	**4.63**	**40.96**
SCAQMD Regional Significance Thresholds	75.00	100.00	550.00	150.00			150.00			55.00
Exceeds Threshold?	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No

	VOC Summary
2020	132.08
2021	132.08
2022	132.08
2023	132.08
2024	132.08

ONSITE Mobile Emissions		ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2.17E-01	1.59E-01	2.77E-01	9.97E-03	1.36E+01	1.66E-03	1.36E+01	1.36E+00	1.08E-03	1.36E+00	5.48E+01	1.17E+00	1.05E-02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	5.22E-02	1.81E-02	6.48E-02	2.19E-03	3.56E+00	3.43E-04	3.56E+00	3.55E-01	2.16E-04	3.55E-01	9.46E+00	2.61E-01	1.16E-03
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	4.86E-01	4.83E-01	4.33E-01	2.75E-02	1.85E+01	4.31E-03	1.85E+01	1.85E+00	2.74E-03	1.85E+00	1.30E+02	3.25E+00	3.08E-02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	1.13E-01	3.66E-02	5.40E-02	6.42E-03	3.33E+00	8.47E-04	3.33E+00	3.32E-01	4.80E-04	3.33E-01	1.28E+01	7.79E-01	1.73E-03
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	8.40E-02	4.18E-01	3.61E-01	3.09E-03	1.16E+01	1.33E-03	1.16E+01	1.16E+00	1.16E-03	1.16E+00	1.06E+02	2.63E-01	2.98E-02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2.89E-01	2.07E-01	2.10E-01	1.63E-02	1.01E+01	2.39E-03	1.01E+01	1.01E+00	1.46E-03	1.01E+00	5.90E+01	1.95E+00	1.26E-02
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	1.32E-01	3.03E-01	2.46E-01	7.01E-03	8.35E+00	1.50E-03	8.35E+00	8.34E-01	1.10E-03	8.35E-01	7.64E+01	7.81E-01	2.09E-02
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	1.30E-01	4.20E-02	5.64E-02	7.49E-03	3.54E+00	9.80E-04	3.54E+00	3.53E-01	5.52E-04	3.54E-01	1.43E+01	9.09E-01	1.95E-03
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	1.33E-01	7.04E-02	1.31E-01	6.54E-03	6.87E+00	9.87E-04	6.87E+00	6.86E-01	6.11E-04	6.87E-01	2.56E+01	7.80E-01	4.35E-03
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	8.12E-02	5.87E-02	7.05E-02	4.37E-03	3.41E+00	6.59E-04	3.41E+00	3.40E-01	4.10E-04	3.41E-01	1.76E+01	5.20E-01	3.65E-03
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2.12E-01	1.53E-01	2.66E-01	9.95E-03	1.36E+01	1.64E-03	1.36E+01	1.36E+00	9.52E-04	1.36E+00	5.37E+01	1.15E+00	1.03E-02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	5.08E-02	1.82E-02	6.21E-02	2.19E-03	3.58E+00	3.42E-04	3.58E+00	3.57E-01	1.90E-04	3.57E-01	9.53E+00	2.57E-01	1.22E-03
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	4.81E-01	4.71E-01	4.23E-01	2.74E-02	1.85E+01	4.27E-03	1.85E+01	1.85E+00	2.40E-03	1.85E+00	1.28E+02	3.20E+00	3.05E-02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	8.14E-02	4.14E-01	3.60E-01	3.07E-03	1.16E+01	1.30E-03	1.16E+01	1.16E+00	1.10E-03	1.16E+00	1.04E+02	2.59E-01	2.97E-02
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	8.14E-02	4.14E-01	3.60E-01	3.07E-03	1.16E+01	1.30E-03	1.16E+01	1.16E+00	1.10E-03	1.16E+00	1.04E+02	2.59E-01	2.97E-02
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	1.31E-01	2.99E-01	2.44E-01	7.00E-03	8.37E+00	1.48E-03	8.37E+00	8.35E-01	1.01E-03	8.36E-01	7.54E+01	7.69E-01	2.07E-02
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	1.29E-01	3.92E-02	5.28E-02	7.48E-03	3.54E+00	9.77E-04	3.54E+00	3.53E-01	4.62E-04	3.54E-01	1.40E+01	8.95E-01	1.90E-03
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	1.12E-01	3.41E-02	5.05E-02	6.41E-03	3.33E+00	8.44E-04	3.33E+00	3.32E-01	4.02E-04	3.33E-01	1.25E+01	7.67E-01	1.68E-03
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	8.01E-02	5.68E-02	6.79E-02	4.36E-03	3.41E+00	6.54E-04	3.41E+00	3.41E-01	3.55E-04	3.41E-01	1.73E+01	5.12E-01	3.60E-03
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	1.30E-01	6.72E-02	1.25E-01	6.53E-03	6.87E+00	9.78E-04	6.88E+00	6.86E-01	5.28E-04	6.87E-01	2.50E+01	7.69E-01	4.26E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2.61E-01	2.26E-01	3.04E-01	1.33E-02	1.53E+01	2.15E-03	1.53E+01	1.52E+00	9.22E-04	1.52E+00	7.14E+01	1.51E+00	1.53E-02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	8.85E-02	2.62E-02	5.36E-02	4.84E-03	3.56E+00	6.55E-04	3.56E+00	3.55E-01	2.01E-04	3.55E-01	1.14E+01	5.65E-01	1.50E-03
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2.78E-01	2.56E-01	2.38E-01	1.59E-02	1.10E+01	2.43E-03	1.10E+01	1.10E+00	9.59E-04	1.10E+00	7.10E+01	1.82E+00	1.68E-02
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	1.97E-01	3.58E-01	3.57E-01	9.85E-03	1.43E+01	1.97E-03	1.43E+01	1.42E+00	1.08E-03	1.42E+00	9.65E+01	1.07E+00	2.50E-02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2.83E-01	1.92E-01	1.95E-01	1.63E-02	1.01E+01	2.36E-03	1.01E+01	1.01E+00	8.37E-04	1.01E+00	5.67E+01	1.88E+00	1.22E-02
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	1.23E-01	1.67E-01	1.55E-01	6.73E-03	6.42E+00	1.16E-03	6.42E+00	6.41E-01	5.41E-04	6.41E-01	4.48E+01	7.54E-01	1.13E-02
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	1.03E-01	2.24E-01	2.04E-01	5.28E-03	7.59E+00	1.11E-03	7.59E+00	7.57E-01	6.34E-04	7.58E-01	5.81E+01	5.66E-01	1.56E-02
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2.94E-01	2.44E-01	2.29E-01	1.70E-02	1.09E+01	2.53E-03	1.09E+01	1.09E+00	9.58E-04	1.09E+00	6.86E+01	1.95E+00	1.58E-02
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	1.04E-01	1.75E-01	1.54E-01	5.69E-03	5.90E+00	1.04E-03	5.90E+00	5.89E-01	5.27E-04	5.89E-01	4.55E+01	6.28E-01	1.20E-02
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	1.19E-01	4.73E-02	8.26E-02	6.49E-03	5.10E+00	9.04E-04	5.10E+00	5.09E-01	2.97E-04	5.10E-01	1.83E+01	7.53E-01	2.89E-03
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	3.09E-01	2.92E-01	3.49E-01	1.71E-02	1.69E+01	2.62E-03	1.69E+01	1.68E+00	8.08E-04	1.69E+00	8.70E+01	1.82E+00	2.02E-02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	1.26E-01	3.23E-02	4.47E-02	7.71E-03	3.54E+00	9.71E-04	3.54E+00	3.53E-01	1.38E-04	3.53E-01	1.30E+01	8.47E-01	1.75E-03
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	7.80E-02	5.16E-02	6.33E-02	4.49E-03	3.41E+00	6.36E-04	3.41E+00	3.41E-01	1.55E-04	3.41E-01	1.62E+01	4.84E-01	3.45E-03
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	3.09E-01	2.92E-01	3.49E-01	1.71E-02	1.69E+01	2.62E-03	1.69E+01	1.68E+00	8.08E-04	1.69E+00	8.70E+01	1.82E+00	2.02E-02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2.80E-01	1.82E-01	1.90E-01	1.68E-02	1.01E+01	2.32E-03	1.01E+01	1.01E+00	5.21E-04	1.01E+00	5.44E+01	1.82E+00	1.20E-02
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	1.15E-01	3.49E-02	6.38E-02	6.64E-03	4.46E+00	8.70E-04	4.46E+00	4.45E-01	1.52E-04	4.45E-01	1.47E+01	7.26E-01	2.11E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	7.65E-02	4.00E-01	3.69E-01	3.09E-03	1.16E+01	1.13E-03	1.16E+01	1.16E+00	8.51E-04	1.16E+00	9.89E+01	2.45E-01	2.90E-02
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	4.71E-01	4.37E-01	4.09E-01	2.82E-02	1.85E+01	4.12E-03	1.85E+01	1.85E+00	1.11E-03	1.85E+00	1.20E+02	3.03E+00	2.95E-02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	1.27E-01	2.86E-01	2.48E-01	7.17E-03	8.38E+00	1.37E-03	8.38E+00	8.37E-01	6.27E-04	8.37E-01	7.14E+01	7.27E-01	2.02E-02
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	1.10E-01	2.81E-02	4.31E-02	6.61E-03	3.33E+00	8.38E-04	3.33E+00	3.32E-01	1.23E-04	3.33E-01	1.17E+01	7.26E-01	1.55E-03
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2.44E-01	1.95E-01	2.76E-01	1.29E-02	1.49E+01	1.99E-03	1.49E+01	1.49E+00	5.98E-04	1.49E+00	6.31E+01	1.37E+00	1.35E-02
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2.73E-01	2.42E-01	2.30E-01	1.61E-02	1.10E+01	2.37E-03	1.10E+01	1.09E+00	6.28E-04	1.09E+00	6.69E+01	1.73E+00	1.62E-02
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2.73E-01	2.42E-01	2.30E-01	1.61E-02	1.10E+01	2.37E-03	1.10E+01	1.09E+00	6.28E-04	1.09E+00	6.69E+01	1.73E+00	1.62E-02
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	1.90E-01	3.42E-01	3.51E-01	9.93E-03	1.42E+01	1.86E-03	1.42E+01	1.42E+00	8.18E-04	1.42E+00	9.10E+01	1.02E+00	2.43E-02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2.78E-01	1.81E-01	1.85E-01	1.65E-02	1.01E+01	2.31E-03	1.01E+01	1.01E+00	5.15E-04	1.01E+00	5.34E+01	1.79E+00	1.18E-02
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	1.20E-01	1.59E-01	1.52E-01	6.80E-03	6.40E+00	1.11E-03	6.40E+00	6.39E-01	3.85E-04	6.39E-01	4.22E+01	7.16E-01	1.10E-02
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	1.00E-01	2.14E-01	2.03E-01	5.32E-03	7.56E+00	1.04E-03	7.57E+00	7.55E-01	4.88E-04	7.56E-01	5.48E+01	5.38E-01	1.52E-02
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	4.82E-02	8.32E-02	9.56E-02	2.35E-03	4.14E+00	4.56E-04	4.14E+00	4.13E-01	2.09E-04	4.13E-01	2.31E+01	2.39E-01	5.95E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2.89E-01	2.31E-01	2.20E-01	1.72E-02	1.09E+01	2.47E-03	1.09E+01	1.09E+00	6.12E-04	1.09E+00	6.46E+01	1.85E+00	1.53E-02
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	1.02E-01	4.17E-02	5.20E-02	6.01E-03	3.47E+00	8.01E-04	3.48E+00	3.47E-01	1.45E-04	3.47E-01	1.43E+01	6.56E-01	2.55E-03
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	1.17E-01	4.34E-02	7.50E-02	6.57E-03	5.10E+00	8.93E-04	5.10E+00	5.09E-01	1.74E-04	5.09E-01	1.72E+01	7.16E-01	2.73E-03

							Haul Starting Evaporative Emission Factors												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Emission Factor (g/min)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	15	1.39E-05	1.29E-02	6.10E-05	5.78E-09	0.00E+00	1.40E-08	1.40E-08	0.00E+00	1.29E-08	1.29E-08	5.84E-04	3.05E-09	2.65E-07
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	15	2.12E-07	1.96E-04	9.30E-07	8.82E-11	0.00E+00	2.13E-10	2.13E-10	0.00E+00	1.97E-10	1.97E-10	8.91E-06	4.66E-11	4.05E-09
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	15	5.09E-05	4.73E-02	2.24E-04	2.12E-08	0.00E+00	5.12E-08	5.12E-08	0.00E+00	4.74E-08	4.74E-08	2.14E-03	1.12E-08	9.74E-07
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	15	6.11E-05	5.68E-02	2.69E-04	2.55E-08	0.00E+00	6.15E-08	6.15E-08	0.00E+00	5.69E-08	5.69E-08	2.57E-03	1.34E-08	1.17E-06
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	15	1.78E-05	1.66E-02	7.84E-05	7.43E-09	0.00E+00	1.79E-08	1.79E-08	0.00E+00	1.66E-08	1.66E-08	7.51E-04	3.92E-09	3.41E-07
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	15	4.07E-05	3.78E-02	1.79E-04	1.70E-08	0.00E+00	4.10E-08	4.10E-08	0.00E+00	3.79E-08	3.79E-08	1.72E-03	8.97E-09	7.79E-07
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	15	4.30E-06	3.99E-03	1.89E-05	1.79E-09	0.00E+00	4.32E-09	4.32E-09	0.00E+00	4.00E-09	4.00E-09	1.81E-04	9.45E-10	8.22E-08
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	15	5.08E-06	4.71E-03	2.23E-05	2.12E-09	0.00E+00	5.11E-09	5.11E-09	0.00E+00	4.72E-09	4.72E-09	2.14E-04	1.12E-09	9.71E-08
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	15	1.10E-05	1.38E-02	5.75E-05	5.07E-09	0.00E+00	9.96E-09	9.96E-09	0.00E+00	9.16E-09	9.16E-09	5.12E-04	3.05E-09	2.15E-07
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	15	3.34E-07	4.22E-04	1.75E-06	1.55E-10	0.00E+00	3.04E-10	3.04E-10	0.00E+00	2.79E-10	2.79E-10	1.56E-05	9.31E-11	6.54E-09
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	15	4.02E-05	5.08E-02	2.11E-04	1.86E-08	0.00E+00	3.66E-08	3.66E-08	0.00E+00	3.36E-08	3.36E-08	1.88E-03	1.12E-08	7.88E-07
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	15	4.83E-05	6.10E-02	2.53E-04	2.23E-08	0.00E+00	4.39E-08	4.39E-08	0.00E+00	4.04E-08	4.04E-08	2.26E-03	1.35E-08	9.45E-07
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	15	4.83E-05	6.10E-02	2.53E-04	2.23E-08	0.00E+00	4.39E-08	4.39E-08	0.00E+00	4.04E-08	4.04E-08	2.26E-03	1.35E-08	9.45E-07
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	15	3.22E-05	4.06E-02	1.69E-04	1.49E-08	0.00E+00	2.93E-08	2.93E-08	0.00E+00	2.69E-08	2.69E-08	1.50E-03	8.97E-09	6.30E-07
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	15	4.01E-06	5.06E-03	2.11E-05	1.86E-09	0.00E+00	3.65E-09	3.65E-09	0.00E+00	3.35E-09	3.35E-09	1.87E-04	1.12E-09	7.85E-08
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	15	3.39E-06	4.29E-03	1.78E-05	1.57E-09	0.00E+00	3.08E-09	3.08E-09	0.00E+00	2.84E-09	2.84E-09	1.59E-04	9.46E-10	6.64E-08
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	15	1.57E-05	2.64E-02	8.96E-05	8.02E-09	0.00E+00	1.45E-08	1.45E-08	0.00E+00	1.33E-08	1.33E-08	8.10E-04	5.28E-09	2.66E-07
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	15	1.38E-07	2.33E-04	7.91E-07	7.08E-11	0.00E+00	1.28E-10	1.28E-10	0.00E+00	1.18E-10	1.18E-10	7.15E-06	4.67E-11	2.34E-09
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	15	1.83E-05	3.08E-02	1.05E-04	9.37E-09	0.00E+00	1.69E-08	1.69E-08	0.00E+00	1.56E-08	1.56E-08	9.47E-04	6.18E-09	3.10E-07
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	15	3.11E-05	5.24E-02	1.78E-04	1.59E-08	0.00E+00	2.88E-08	2.88E-08	0.00E+00	2.65E-08	2.65E-08	1.61E-03	1.05E-08	5.27E-07
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	15	1.17E-05	1.96E-02	6.67E-05	5.96E-09	0.00E+00	1.08E-08	1.08E-08	0.00E+00	9.91E-09	9.91E-09	6.03E-04	3.93E-09	1.98E-07
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	15	1.36E-05	2.29E-02	7.78E-05	6.96E-09	0.00E+00	1.26E-08	1.26E-08	0.00E+00	1.16E-08	1.16E-08	7.03E-04	4.59E-09	2.31E-07
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	15	2.00E-05	3.36E-02	1.14E-04	1.02E-08	0.00E+00	1.85E-08	1.85E-08	0.00E+00	1.70E-08	1.70E-08	1.03E-03	6.74E-09	3.39E-07
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	15	1.67E-05	2.80E-02	9.52E-05	8.52E-09	0.00E+00	1.54E-08	1.54E-08	0.00E+00	1.42E-08	1.42E-08	8.61E-04	5.62E-09	2.82E-07
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	15	1.50E-05	2.52E-02	8.57E-05	7.66E-09	0.00E+00	1.39E-08	1.39E-08	0.00E+00	1.27E-08	1.27E-08	7.75E-04	5.05E-09	2.54E-07
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	15	1.40E-06	2.36E-03	8.03E-06	7.19E-10	0.00E+00	1.30E-09	1.30E-09	0.00E+00	1.19E-09	1.19E-09	7.26E-05	4.74E-10	2.38E-08
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	15	1.81E-05	4.23E-02	1.27E-04	1.08E-08	0.00E+00	1.76E-08	1.76E-08	0.00E+00	1.62E-08	1.62E-08	1.09E-03	7.50E-09	3.19E-07
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	15	2.70E-06	6.31E-03	1.89E-05	1.61E-09	0.00E+00	2.62E-09	2.62E-09	0.00E+00	2.41E-09	2.41E-09	1.62E-04	1.12E-09	4.76E-08
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	15	1.81E-05	4.23E-02	1.27E-04	1.08E-08	0.00E+00	1.76E-08	1.76E-08	0.00E+00	1.62E-08	1.62E-08	1.09E-03	7.50E-09	3.19E-07
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	15	9.49E-06	2.22E-02	6.65E-05	5.64E-09	0.00E+00	9.20E-09	9.20E-09	0.00E+00	8.46E-09	8.46E-09	5.70E-04	3.93E-09	1.67E-07
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	15	4.51E-07	1.05E-03	3.15E-06	2.68E-10	0.00E+00	4.37E-10	4.37E-10	0.00E+00	4.02E-10	4.02E-10	2.70E-05	1.86E-10	7.94E-09
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	15	3.26E-05	7.60E-02	2.28E-04	1.93E-08	0.00E+00	3.16E-08	3.16E-08	0.00E+00	2.90E-08	2.90E-08	1.95E-03	1.35E-08	5.73E-07
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	15	2.71E-05	6.33E-02	1.90E-04	1.61E-08	0.00E+00	2.63E-08	2.63E-08	0.00E+00	2.42E-08	2.42E-08	1.63E-03	1.12E-08	4.78E-07
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	15	2.17E-05	5.07E-02	1.52E-04	1.29E-08	0.00E+00	2.10E-08	2.10E-08	0.00E+00	1.93E-08	1.93E-08	1.30E-03	8.97E-09	3.82E-07
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	15	9.59E-06	2.64E-02	7.31E-05	6.30E-09	0.00E+00	9.70E-09	9.70E-09	0.00E+00	8.92E-09	8.92E-09	6.36E-04	4.22E-09	1.59E-07
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	15	1.25E-05	3.45E-02	9.55E-05	8.23E-09	0.00E+00	1.27E-08	1.27E-08	0.00E+00	1.17E-08	1.17E-08	8.31E-04	5.51E-09	2.08E-07
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	15	1.25E-05	3.45E-02	9.55E-05	8.23E-09	0.00E+00	1.27E-08	1.27E-08	0.00E+00	1.17E-08	1.17E-08	8.31E-04	5.51E-09	2.08E-07
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	15	2.13E-05	5.87E-02	1.62E-04	1.40E-08	0.00E+00	2.15E-08	2.15E-08	0.00E+00	1.98E-08	1.98E-08	1.41E-03	9.37E-09	3.54E-07
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	15	7.98E-06	2.20E-02	6.08E-05	5.24E-09	0.00E+00	8.07E-09	8.07E-09	0.00E+00	7.42E-09	7.42E-09	5.29E-04	3.51E-09	1.32E-07
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	15	9.31E-06	2.57E-02	7.09E-05	6.11E-09	0.00E+00	9.41E-09	9.41E-09	0.00E+00	8.65E-09	8.65E-09	6.17E-04	4.10E-09	1.55E-07
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	15	1.37E-05	3.77E-02	1.04E-04	8.98E-09	0.00E+00	1.38E-08	1.38E-08	0.00E+00	1.27E-08	1.27E-08	9.07E-04	6.02E-09	2.27E-07
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	15	5.13E-06	1.41E-02	3.91E-05	3.37E-09	0.00E+00	5.19E-09	5.19E-09	0.00E+00	4.77E-09	4.77E-09	3.40E-04	2.26E-09	8.52E-08
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	15	1.14E-05	3.14E-02	8.68E-05	7.48E-09	0.00E+00	1.15E-08	1.15E-08	0.00E+00	1.06E-08	1.06E-08	7.56E-04	5.02E-09	1.89E-07
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	15	1.14E-06	3.13E-03	8.65E-06	7.46E-10	0.00E+00	1.15E-09	1.15E-09	0.00E+00	1.06E-09	1.06E-09	7.53E-05	5.00E-10	1.89E-08
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	15	9.61E-07	2.65E-03	7.32E-06	6.31E-10	0.00E+00	9.72E-10	9.72E-10	0.00E+00	8.94E-10	8.94E-10	6.38E-05	4.23E-10	1.60E-08

							Haul Idling Emission Factors												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Emission Factor (g/min)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	15	4.15E-03	6.05E-02	5.69E-02	1.00E-04	0.00E+00	4.87E-05	4.87E-05	0.00E+00	4.66E-05	4.66E-05	1.10E+01	3.41E-04	4.87E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	15	6.32E-05	9.22E-04	8.68E-04	1.53E-06	0.00E+00	7.43E-07	7.43E-07	0.00E+00	7.11E-07	7.11E-07	1.67E-01	5.20E-06	7.43E-05
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	15	1.52E-02	2.22E-01	2.09E-01	3.69E-04	0.00E+00	1.79E-04	1.79E-04	0.00E+00	1.71E-04	1.71E-04	4.03E+01	1.25E-03	1.79E-02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	15	1.83E-02	2.66E-01	2.51E-01	4.43E-04	0.00E+00	2.15E-04	2.15E-04	0.00E+00	2.05E-04	2.05E-04	4.83E+01	1.50E-03	2.15E-02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	15	5.33E-03	7.77E-02	7.31E-02	1.29E-04	0.00E+00	6.26E-05	6.26E-05	0.00E+00	5.99E-05	5.99E-05	1.41E+01	4.38E-04	6.26E-03
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	15	1.22E-02	1.78E-01	1.67E-01	2.95E-04	0.00E+00	1.43E-04	1.43E-04	0.00E+00	1.37E-04	1.37E-04	3.22E+01	1.00E-03	1.43E-02
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	15	1.28E-03	1.87E-02	1.76E-02	3.11E-05	0.00E+00	1.51E-05	1.51E-05	0.00E+00	1.44E-05	1.44E-05	3.40E+00	1.06E-04	1.51E-03
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	15	1.52E-03	2.21E-02	2.08E-02	3.68E-05	0.00E+00	1.78E-05	1.78E-05	0.00E+00	1.71E-05	1.71E-05	4.02E+00	1.25E-04	1.78E-03
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	15	4.13E-03	5.88E-02	5.80E-02	9.92E-05	0.00E+00	4.15E-05	4.15E-05	0.00E+00	3.97E-05	3.97E-05	1.09E+01	3.45E-04	4.86E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	15	1.26E-04	1.79E-03	1.77E-03	3.03E-06	0.00E+00	1.27E-06	1.27E-06	0.00E+00	1.21E-06	1.21E-06	3.31E-01	1.05E-05	1.48E-04
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	15	1.52E-02	2.16E-01	2.13E-01	3.64E-04	0.00E+00	1.52E-04	1.52E-04	0.00E+00	1.46E-04	1.46E-04	3.98E+01	1.27E-03	1.78E-02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	15	1.82E-02	2.59E-01	2.55E-01	4.37E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	4.78E+01	1.52E-03	2.14E-02
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	15	1.82E-02	2.59E-01	2.55E-01	4.37E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	4.78E+01	1.52E-03	2.14E-02
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	15	1.21E-02	1.73E-01	1.70E-01	2.91E-04	0.00E+00	1.22E-04	1.22E-04	0.00E+00	1.17E-04	1.17E-04	3.19E+01	1.01E-03	1.43E-02
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	15	1.51E-03	2.15E-02	2.12E-02	3.63E-05	0.00E+00	1.52E-05	1.52E-05	0.00E+00	1.45E-05	1.45E-05	3.97E+00	1.26E-04	1.78E-03
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	15	1.28E-03	1.82E-02	1.80E-02	3.07E-05	0.00E+00	1.28E-05	1.28E-05	0.00E+00	1.23E-05	1.23E-05	3.36E+00	1.07E-04	1.50E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	15	7.08E-03	9.83E-02	1.02E-01	1.69E-04	0.00E+00	5.34E-05	5.34E-05	0.00E+00	5.11E-05	5.11E-05	1.85E+01	6.02E-04	8.33E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	15	6.25E-05	8.68E-04	8.99E-04	1.49E-06	0.00E+00	4.71E-07	4.71E-07	0.00E+00	4.51E-07	4.51E-07	1.63E-01	5.31E-06	7.36E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	15	8.27E-03	1.15E-01	1.19E-01	1.97E-04	0.00E+00	6.24E-05	6.24E-05	0.00E+00	5.97E-05	5.97E-05	2.16E+01	7.03E-04	9.74E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	15	1.41E-02	1.95E-01	2.02E-01	3.35E-04	0.00E+00	1.06E-04	1.06E-04	0.00E+00	1.01E-04	1.01E-04	3.67E+01	1.20E-03	1.65E-02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	15	5.26E-03	7.32E-02	7.58E-02	1.25E-04	0.00E+00	3.97E-05	3.97E-05	0.00E+00	3.80E-05	3.80E-05	1.38E+01	4.48E-04	6.20E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	15	6.14E-03	8.53E-02	8.84E-02	1.46E-04	0.00E+00	4.63E-05	4.63E-05	0.00E+00	4.43E-05	4.43E-05	1.60E+01	5.22E-04	7.23E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	15	9.03E-03	1.25E-01	1.30E-01	2.15E-04	0.00E+00	6.81E-05	6.81E-05	0.00E+00	6.51E-05	6.51E-05	2.36E+01	7.68E-04	1.06E-02
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	15	7.52E-03	1.05E-01	1.08E-01	1.79E-04	0.00E+00	5.67E-05	5.67E-05	0.00E+00	5.43E-05	5.43E-05	1.97E+01	6.40E-04	8.85E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	15	6.77E-03	9.40E-02	9.74E-02	1.61E-04	0.00E+00	5.10E-05	5.10E-05	0.00E+00	4.88E-05	4.88E-05	1.77E+01	5.76E-04	7.97E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	15	6.34E-04	8.82E-03	9.13E-03	1.51E-05	0.00E+00	4.78E-06	4.78E-06	0.00E+00	4.58E-06	4.58E-06	1.66E+00	5.40E-05	7.47E-04
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	15	1.00E-02	1.28E-01	1.53E-01	2.29E-04	0.00E+00	6.61E-05	6.61E-05	0.00E+00	6.32E-05	6.32E-05	2.52E+01	8.65E-04	1.18E-02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	15	1.49E-03	1.91E-02	2.29E-02	3.42E-05	0.00E+00	9.85E-06	9.85E-06	0.00E+00	9.42E-06	9.42E-06	3.76E+00	1.29E-04	1.76E-03
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	15	1.00E-02	1.28E-01	1.53E-01	2.29E-04	0.00E+00	6.61E-05	6.61E-05	0.00E+00	6.32E-05	6.32E-05	2.52E+01	8.65E-04	1.18E-02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	15	5.24E-03	6.71E-02	8.03E-02	1.20E-04	0.00E+00	3.46E-05	3.46E-05	0.00E+00	3.31E-05	3.31E-05	1.32E+01	4.53E-04	6.18E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	15	2.49E-04	3.18E-03	3.81E-03	5.70E-06	0.00E+00	1.64E-06	1.64E-06	0.00E+00	1.57E-06	1.57E-06	6.27E-01	2.15E-05	2.93E-04
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	15	1.80E-02	2.30E-01	2.75E-01	4.12E-04	0.00E+00	1.19E-04	1.19E-04	0.00E+00	1.13E-04	1.13E-04	4.53E+01	1.55E-03	2.12E-02
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	15	1.50E-02	1.92E-01	2.29E-01	3.43E-04	0.00E+00	9.88E-05	9.88E-05	0.00E+00	9.45E-05	9.45E-05	3.77E+01	1.29E-03	1.77E-02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	15	1.20E-02	1.53E-01	1.84E-01	2.74E-04	0.00E+00	7.90E-05	7.90E-05	0.00E+00	7.56E-05	7.56E-05	3.02E+01	1.04E-03	1.41E-02
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	15	6.25E-03	7.98E-02	9.60E-02	1.41E-04	0.00E+00	3.98E-05	3.98E-05	0.00E+00	3.81E-05	3.81E-05	1.56E+01	5.44E-04	7.37E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	15	8.16E-03	1.04E-01	1.25E-01	1.85E-04	0.00E+00	5.20E-05	5.20E-05	0.00E+00	4.98E-05	4.98E-05	2.03E+01	7.11E-04	9.63E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	15	8.16E-03	1.04E-01	1.25E-01	1.85E-04	0.00E+00	5.20E-05	5.20E-05	0.00E+00	4.98E-05	4.98E-05	2.03E+01	7.11E-04	9.63E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	15	1.39E-02	1.77E-01	2.13E-01	3.14E-04	0.00E+00	8.84E-05	8.84E-05	0.00E+00	8.45E-05	8.45E-05	3.45E+01	1.21E-03	1.64E-02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	15	5.20E-03	6.64E-02	7.98E-02	1.18E-04	0.00E+00	3.31E-05	3.31E-05	0.00E+00	3.17E-05	3.17E-05	1.29E+01	4.52E-04	6.13E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	15	6.06E-03	7.74E-02	9.31E-02	1.37E-04	0.00E+00	3.86E-05	3.86E-05	0.00E+00	3.69E-05	3.69E-05	1.51E+01	5.28E-04	7.15E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	15	8.91E-03	1.14E-01	1.37E-01	2.01E-04	0.00E+00	5.68E-05	5.68E-05	0.00E+00	5.43E-05	5.43E-05	2.22E+01	7.76E-04	1.05E-02
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	15	3.34E-03	4.27E-02	5.13E-02	7.56E-05	0.00E+00	2.13E-05	2.13E-05	0.00E+00	2.04E-05	2.04E-05	8.32E+00	2.91E-04	3.94E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	15	7.42E-03	9.48E-02	1.14E-01	1.68E-04	0.00E+00	4.73E-05	4.73E-05	0.00E+00	4.52E-05	4.52E-05	1.85E+01	6.46E-04	8.76E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	15	7.40E-04	9.45E-03	1.14E-02	1.67E-05	0.00E+00	4.71E-06	4.71E-06	0.00E+00	4.51E-06	4.51E-06	1.84E+00	6.44E-05	8.73E-04
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	15	6.26E-04	8.00E-03	9.61E-03	1.42E-05	0.00E+00	3.99E-06	3.99E-06	0.00E+00	3.82E-06	3.82E-06	1.56E+00	5.45E-05	7.38E-04

							Haul Running Emission Factors											
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission Factor (g/mile)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	0.5	3.80E-02	2.35E+00	2.25E-01	1.31E-02	1.89E+02	2.31E-02	1.89E+02	1.89E+01	2.21E-02	1.89E+01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	0.5	3.80E-02	2.35E+00	2.25E-01	1.31E-02	1.89E+02	2.31E-02	1.89E+02	1.89E+01	2.21E-02	1.89E+01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	0.5	3.80E-02	2.35E+00	2.25E-01	1.31E-02	1.89E+02	2.31E-02	1.89E+02	1.89E+01	2.21E-02	1.89E+01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	0.5	3.80E-02	2.35E+00	2.25E-01	1.31E-02	1.89E+02	2.31E-02	1.89E+02	1.89E+01	2.21E-02	1.89E+01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	0.5	3.80E-02	2.35E+00	2.25E-01	1.31E-02	1.89E+02	2.31E-02	1.89E+02	1.89E+01	2.21E-02	1.89E+01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	0.5	3.80E-02	2.35E+00	2.25E-01	1.31E-02	1.89E+02	2.31E-02	1.89E+02	1.89E+01	2.21E-02	1.89E+01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	0.5	3.80E-02	2.35E+00	2.25E-01	1.31E-02	1.89E+02	2.31E-02	1.89E+02	1.89E+01	2.21E-02	1.89E+01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	0.5	3.80E-02	2.35E+00	2.25E-01	1.31E-02	1.89E+02	2.31E-02	1.89E+02	1.89E+01	2.21E-02	1.89E+01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	0.5	3.80E-02	2.35E+00	2.25E-01	1.31E-02	1.89E+02	2.31E-02	1.89E+02	1.89E+01	2.21E-02	1.89E+01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	0.5	3.80E-02	2.35E+00	2.25E-01	1.31E-02	1.89E+02	2.31E-02	1.89E+02	1.89E+01	2.21E-02	1.89E+01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	0.5	3.80E-02	2.35E+00	2.25E-01	1.31E-02	1.89E+02	2.31E-02	1.89E+02	1.89E+01	2.21E-02	1.89E+01	1.39E+03	1.77E-03	2.19E-01
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	0.5	3.66E-02	2.36E+00	2.26E-01	1.30E-02	1.89E+02	2.32E-02	1.89E+02	1.89E+01	2.22E-02	1.89E+01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	0.5	3.66E-02	2.36E+00	2.26E-01	1.30E-02	1.89E+02	2.32E-02	1.89E+02	1.89E+01	2.22E-02	1.89E+01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	0.5	3.66E-02	2.36E+00	2.26E-01	1.30E-02	1.89E+02	2.32E-02	1.89E+02	1.89E+01	2.22E-02	1.89E+01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	0.5	3.66E-02	2.36E+00	2.26E-01	1.30E-02	1.89E+02	2.32E-02	1.89E+02	1.89E+01	2.22E-02	1.89E+01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	0.5	3.66E-02	2.36E+00	2.26E-01	1.30E-02	1.89E+02	2.32E-02	1.89E+02	1.89E+01	2.22E-02	1.89E+01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	0.5	3.66E-02	2.36E+00	2.26E-01	1.30E-02	1.89E+02	2.32E-02	1.89E+02	1.89E+01	2.22E-02	1.89E+01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	0.5	3.66E-02	2.36E+00	2.26E-01	1.30E-02	1.89E+02	2.32E-02	1.89E+02	1.89E+01	2.22E-02	1.89E+01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	0.5	3.66E-02	2.36E+00	2.26E-01	1.30E-02	1.89E+02	2.32E-02	1.89E+02	1.89E+01	2.22E-02	1.89E+01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	0.5	3.66E-02	2.36E+00	2.26E-01	1.30E-02	1.89E+02	2.32E-02	1.89E+02	1.89E+01	2.22E-02	1.89E+01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	0.5	3.66E-02	2.36E+00	2.26E-01	1.30E-02	1.89E+02	2.32E-02	1.89E+02	1.89E+01	2.22E-02	1.89E+01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	0.5	3.66E-02	2.36E+00	2.26E-01	1.30E-02	1.89E+02	2.32E-02	1.89E+02	1.89E+01	2.22E-02	1.89E+01	1.37E+03	1.70E-03	2.16E-01
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	0.5	3.47E-02	2.39E+00	2.24E-01	1.27E-02	1.89E+02	2.30E-02	1.89E+02	1.89E+01	2.20E-02	1.89E+01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	0.5	3.47E-02	2.39E+00	2.24E-01	1.27E-02	1.89E+02	2.30E-02	1.89E+02	1.89E+01	2.20E-02	1.89E+01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	0.5	3.47E-02	2.39E+00	2.24E-01	1.27E-02	1.89E+02	2.30E-02	1.89E+02	1.89E+01	2.20E-02	1.89E+01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	0.5	3.47E-02	2.39E+00	2.24E-01	1.27E-02	1.89E+02	2.30E-02	1.89E+02	1.89E+01	2.20E-02	1.89E+01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	0.5	3.47E-02	2.39E+00	2.24E-01	1.27E-02	1.89E+02	2.30E-02	1.89E+02	1.89E+01	2.20E-02	1.89E+01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	0.5	3.47E-02	2.39E+00	2.24E-01	1.27E-02	1.89E+02	2.30E-02	1.89E+02	1.89E+01	2.20E-02	1.89E+01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	0.5	3.47E-02	2.39E+00	2.24E-01	1.27E-02	1.89E+02	2.30E-02	1.89E+02	1.89E+01	2.20E-02	1.89E+01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	0.5	3.47E-02	2.39E+00	2.24E-01	1.27E-02	1.89E+02	2.30E-02	1.89E+02	1.89E+01	2.20E-02	1.89E+01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	0.5	3.47E-02	2.39E+00	2.24E-01	1.27E-02	1.89E+02	2.30E-02	1.89E+02	1.89E+01	2.20E-02	1.89E+01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	0.5	3.47E-02	2.39E+00	2.24E-01	1.27E-02	1.89E+02	2.30E-02	1.89E+02	1.89E+01	2.20E-02	1.89E+01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	0.5	3.47E-02	2.39E+00	2.24E-01	1.27E-02	1.89E+02	2.30E-02	1.89E+02	1.89E+01	2.20E-02	1.89E+01	1.35E+03	1.61E-03	2.12E-01
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	0.5	1.82E-02	2.47E+00	1.93E-01	1.23E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	0.5	1.82E-02	2.47E+00	1.93E-01	1.23E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	0.5	1.82E-02	2.47E+00	1.93E-01	1.23E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	0.5	1.82E-02	2.47E+00	1.93E-01	1.23E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	0.5	1.82E-02	2.47E+00	1.93E-01	1.23E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	0.5	1.82E-02	2.47E+00	1.93E-01	1.23E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	0.5	1.82E-02	2.47E+00	1.93E-01	1.23E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	0.5	1.82E-02	2.47E+00	1.93E-01	1.23E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	0.5	1.82E-02	2.47E+00	1.93E-01	1.23E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	0.5	1.82E-02	2.47E+00	1.93E-01	1.23E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	0.5	1.82E-02	2.47E+00	1.93E-01	1.23E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	0.5	1.82E-02	2.47E+00	1.93E-01	1.23E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.30E+03	8.46E-04	2.05E-01
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	0.5	1.85E-02	2.47E+00	1.97E-01	1.22E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	0.5	1.85E-02	2.47E+00	1.97E-01	1.22E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	0.5	1.85E-02	2.47E+00	1.97E-01	1.22E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	0.5	1.85E-02	2.47E+00	1.97E-01	1.22E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	0.5	1.85E-02	2.47E+00	1.97E-01	1.22E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	0.5	1.85E-02	2.47E+00	1.97E-01	1.22E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	0.5	1.85E-02	2.47E+00	1.97E-01	1.22E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	0.5	1.85E-02	2.47E+00	1.97E-01	1.22E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	0.5	1.85E-02	2.47E+00	1.97E-01	1.22E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	0.5	1.85E-02	2.47E+00	1.97E-01	1.22E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	0.5	1.85E-02	2.47E+00	1.97E-01	1.22E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	0.5	1.85E-02	2.47E+00	1.97E-01	1.22E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.29E+03	8.57E-04	2.02E-01

							Daily Emissions												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	0.5	2.73E-04	1.68E-02	1.61E-03	9.43E-05	1.35E+00	1.65E-04	1.36E+00	1.35E-01	1.58E-04	1.35E-01	9.98E+00	1.27E-05	1.57E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	0.5	4.16E-06	2.57E-04	2.46E-05	1.44E-06	2.07E-02	2.52E-06	2.07E-02	2.06E-03	2.41E-06	2.07E-03	1.52E-01	1.93E-07	2.39E-05
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	0.5	1.00E-03	6.18E-02	5.92E-03	3.46E-04	4.97E+00	6.07E-04	4.98E+00	4.97E-01	5.81E-04	4.97E-01	3.66E+01	4.65E-05	5.76E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	0.5	1.20E-03	7.42E-02	7.11E-03	4.15E-04	5.97E+00	7.29E-04	5.97E+00	5.96E-01	6.97E-04	5.97E-01	4.40E+01	5.58E-05	6.91E-03
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	0.5	3.50E-04	2.16E-02	2.07E-03	1.21E-04	1.74E+00	2.13E-04	1.74E+00	1.74E-01	2.03E-04	1.74E-01	1.28E+01	1.63E-05	2.02E-03
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	0.5	8.01E-04	4.95E-02	4.74E-03	2.77E-04	3.98E+00	4.86E-04	3.98E+00	3.97E-01	4.65E-04	3.98E-01	2.93E+01	3.72E-05	4.61E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	0.5	8.44E-05	5.22E-03	5.00E-04	2.92E-05	4.20E-01	5.12E-05	4.20E-01	4.19E-02	4.90E-05	4.19E-02	3.09E+00	3.92E-06	4.86E-04
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	0.5	9.98E-05	6.16E-03	5.90E-04	3.45E-05	4.96E-01	6.05E-05	4.96E-01	4.95E-02	5.79E-05	4.96E-02	3.65E+00	4.64E-06	5.74E-04
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	0.5	2.64E-04	1.70E-02	1.63E-03	9.33E-05	1.36E+00	1.67E-04	1.36E+00	1.36E-01	1.60E-04	1.36E-01	9.88E+00	1.23E-05	1.55E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	0.5	8.05E-06	5.19E-04	4.96E-05	2.85E-06	4.15E-02	5.09E-06	4.15E-02	4.14E-03	4.87E-06	4.15E-03	3.01E-01	3.74E-07	4.73E-05
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	0.5	9.69E-04	6.24E-02	5.97E-03	3.43E-04	4.99E+00	6.13E-04	4.99E+00	4.99E-01	5.86E-04	4.99E-01	3.63E+01	4.50E-05	5.70E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	0.5	1.16E-03	7.49E-02	7.17E-03	4.11E-04	5.99E+00	7.35E-04	5.99E+00	5.98E-01	7.04E-04	5.99E-01	4.35E+01	5.40E-05	6.84E-03
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	0.5	1.16E-03	7.49E-02	7.17E-03	4.11E-04	5.99E+00	7.35E-04	5.99E+00	5.98E-01	7.04E-04	5.99E-01	4.35E+01	5.40E-05	6.84E-03
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	0.5	7.75E-04	5.00E-02	4.78E-03	2.74E-04	4.00E+00	4.90E-04	4.00E+00	3.99E-01	4.69E-04	3.99E-01	2.90E+01	3.60E-05	4.56E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	0.5	9.66E-05	6.23E-03	5.95E-04	3.41E-05	4.98E-01	6.11E-05	4.98E-01	4.97E-02	5.84E-05	4.98E-02	3.61E+00	4.49E-06	5.68E-04
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	0.5	8.17E-05	5.27E-03	5.04E-04	2.89E-05	4.21E-01	5.17E-05	4.21E-01	4.21E-02	4.95E-05	4.21E-02	3.06E+00	3.80E-06	4.81E-04
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	0.5	4.33E-04	2.98E-02	2.79E-03	1.59E-04	2.36E+00	2.87E-04	2.36E+00	2.35E-01	2.75E-04	2.36E-01	1.68E+01	2.01E-05	2.64E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	0.5	3.82E-06	2.63E-04	2.46E-05	1.40E-06	2.08E-02	2.54E-06	2.08E-02	2.08E-03	2.43E-06	2.08E-03	1.48E-01	1.77E-07	2.33E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	0.5	5.06E-04	3.48E-02	3.26E-03	1.86E-04	2.76E+00	3.36E-04	2.76E+00	2.75E-01	3.21E-04	2.76E-01	1.97E+01	2.35E-05	3.09E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	0.5	8.59E-04	5.92E-02	5.54E-03	3.15E-04	4.68E+00	5.71E-04	4.68E+00	4.68E-01	5.46E-04	4.68E-01	3.34E+01	3.99E-05	5.25E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	0.5	3.22E-04	2.22E-02	2.08E-03	1.18E-04	1.75E+00	2.14E-04	1.75E+00	1.75E-01	2.05E-04	1.75E-01	1.25E+01	1.50E-05	1.97E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	0.5	3.76E-04	2.59E-02	2.42E-03	1.38E-04	2.05E+00	2.49E-04	2.05E+00	2.04E-01	2.39E-04	2.05E-01	1.46E+01	1.74E-05	2.29E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	0.5	5.52E-04	3.80E-02	3.56E-03	2.03E-04	3.01E+00	3.66E-04	3.01E+00	3.00E-01	3.51E-04	3.01E-01	2.14E+01	2.56E-05	3.37E-03
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	0.5	4.60E-04	3.17E-02	2.97E-03	1.69E-04	2.51E+00	3.05E-04	2.51E+00	2.50E-01	2.92E-04	2.51E-01	1.79E+01	2.14E-05	2.81E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	0.5	4.14E-04	2.85E-02	2.67E-03	1.52E-04	2.26E+00	2.75E-04	2.26E+00	2.25E-01	2.63E-04	2.25E-01	1.61E+01	1.92E-05	2.53E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	0.5	3.88E-05	2.67E-03	2.50E-04	1.42E-05	2.11E-01	2.58E-05	2.11E-01	2.11E-02	2.46E-05	2.11E-02	1.51E+00	1.80E-06	2.37E-04
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	0.5	3.23E-04	4.38E-02	3.42E-03	2.19E-04	3.35E+00	3.58E-04	3.35E+00	3.35E-01	3.42E-04	3.35E-01	2.31E+01	1.50E-05	3.64E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	0.5	4.82E-05	6.52E-03	5.10E-04	3.26E-05	5.00E-01	5.33E-05	5.00E-01	4.99E-02	5.10E-05	4.99E-02	3.45E+00	2.24E-06	5.42E-04
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	0.5	3.23E-04	4.38E-02	3.42E-03	2.19E-04	3.35E+00	3.58E-04	3.35E+00	3.35E-01	3.42E-04	3.35E-01	2.31E+01	1.50E-05	3.64E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	0.5	1.69E-04	2.29E-02	1.79E-03	1.14E-04	1.75E+00	1.87E-04	1.75E+00	1.75E-01	1.79E-04	1.75E-01	1.21E+01	7.86E-06	1.90E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	0.5	8.03E-06	1.09E-03	8.50E-05	5.43E-06	8.33E-02	8.89E-06	8.33E-02	8.31E-03	8.50E-06	8.32E-03	5.75E-01	3.73E-07	9.04E-05
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	0.5	5.80E-04	7.85E-02	6.14E-03	3.92E-04	6.02E+00	6.42E-04	6.02E+00	6.01E-01	6.14E-04	6.01E-01	4.15E+01	2.69E-05	6.53E-03
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	0.5	4.83E-04	6.55E-02	5.12E-03	3.27E-04	5.01E+00	5.35E-04	5.01E+00	5.00E-01	5.12E-04	5.01E-01	3.46E+01	2.25E-05	5.44E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	0.5	3.87E-04	5.24E-02	4.09E-03	2.61E-04	4.01E+00	4.28E-04	4.01E+00	4.00E-01	4.09E-04	4.01E-01	2.77E+01	1.80E-05	4.35E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	0.5	2.05E-04	2.73E-02	2.19E-03	1.35E-04	2.09E+00	2.24E-04	2.09E+00	2.09E-01	2.15E-04	2.09E-01	1.43E+01	9.50E-06	2.24E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	0.5	2.67E-04	3.57E-02	2.86E-03	1.76E-04	2.74E+00	2.93E-04	2.74E+00	2.73E-01	2.81E-04	2.73E-01	1.86E+01	1.24E-05	2.93E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	0.5	2.67E-04	3.57E-02	2.86E-03	1.76E-04	2.74E+00	2.93E-04	2.74E+00	2.73E-01	2.81E-04	2.73E-01	1.86E+01	1.24E-05	2.93E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	0.5	4.54E-04	6.07E-02	4.86E-03	2.99E-04	4.65E+00	4.98E-04	4.65E+00	4.64E-01	4.77E-04	4.64E-01	3.17E+01	2.11E-05	4.98E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	0.5	1.70E-04	2.27E-02	1.82E-03	1.12E-04	1.74E+00	1.87E-04	1.74E+00	1.74E-01	1.79E-04	1.74E-01	1.19E+01	7.90E-06	1.86E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	0.5	1.98E-04	2.65E-02	2.12E-03	1.31E-04	2.03E+00	2.18E-04	2.03E+00	2.03E-01	2.08E-04	2.03E-01	1.38E+01	9.22E-06	2.18E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	0.5	2.92E-04	3.90E-02	3.12E-03	1.92E-04	2.98E+00	3.20E-04	2.99E+00	2.98E-01	3.06E-04	2.98E-01	2.03E+01	1.35E-05	3.20E-03
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	0.5	1.09E-04	1.46E-02	1.17E-03	7.21E-05	1.12E+00	1.20E-04	1.12E+00	1.12E-01	1.15E-04	1.12E-01	7.63E+00	5.08E-06	1.20E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	0.5	2.43E-04	3.25E-02	2.60E-03	1.60E-04	2.49E+00	2.67E-04	2.49E+00	2.48E-01	2.55E-04	2.49E-01	1.69E+01	1.13E-05	2.66E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	0.5	2.42E-05	3.24E-03	2.59E-04	1.60E-05	2.48E-01	2.66E-05	2.48E-01	2.48E-02	2.54E-05	2.48E-02	1.69E+00	1.12E-06	2.66E-04
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	0.5	2.05E-05	2.74E-03	2.19E-04	1.35E-05	2.10E-01	2.25E-05	2.10E-01	2.09E-02	2.15E-05	2.10E-02	1.43E+00	9.52E-07	2.25E-04

Vendor Starting/Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/trip)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	0.5	15	1.14E-03	1.40E-02	7.10E-03	5.85E-07	0.00E+00	6.74E-07	6.74E-07	0.00E+00	6.20E-07	6.20E-07	5.91E-02	6.03E-05	4.26E-05
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	0.5	15	2.54E-04	3.11E-03	1.58E-03	1.30E-07	0.00E+00	1.50E-07	1.50E-07	0.00E+00	1.38E-07	1.38E-07	1.31E-02	1.34E-05	9.47E-06
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	0.5	15	3.17E-03	3.88E-02	1.97E-02	1.63E-06	0.00E+00	1.87E-06	1.87E-06	0.00E+00	1.72E-06	1.72E-06	1.64E-01	1.67E-04	1.18E-04
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	0.5	15	7.62E-04	9.32E-03	4.74E-03	3.90E-07	0.00E+00	4.49E-07	4.49E-07	0.00E+00	4.13E-07	4.13E-07	3.94E-02	4.02E-05	2.84E-05
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	0.5	15	2.54E-04	3.11E-03	1.58E-03	1.30E-07	0.00E+00	1.50E-07	1.50E-07	0.00E+00	1.38E-07	1.38E-07	1.31E-02	1.34E-05	9.47E-06
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	0.5	15	1.90E-03	2.33E-02	1.18E-02	9.75E-07	0.00E+00	1.12E-06	1.12E-06	0.00E+00	1.03E-06	1.03E-06	9.85E-02	1.00E-04	7.10E-05
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	0.5	15	7.62E-04	9.32E-03	4.74E-03	3.90E-07	0.00E+00	4.49E-07	4.49E-07	0.00E+00	4.13E-07	4.13E-07	3.94E-02	4.02E-05	2.84E-05
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	0.5	15	8.89E-04	1.09E-02	5.53E-03	4.55E-07	0.00E+00	5.24E-07	5.24E-07	0.00E+00	4.82E-07	4.82E-07	4.60E-02	4.69E-05	3.31E-05
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	0.5	15	7.62E-04	9.32E-03	4.74E-03	3.90E-07	0.00E+00	4.49E-07	4.49E-07	0.00E+00	4.13E-07	4.13E-07	3.94E-02	4.02E-05	2.84E-05
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	0.5	15	5.08E-04	6.22E-03	3.16E-03	2.60E-07	0.00E+00	3.00E-07	3.00E-07	0.00E+00	2.75E-07	2.75E-07	2.63E-02	2.68E-05	1.89E-05
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	0.5	15	1.07E-03	1.51E-02	6.67E-03	5.67E-07	0.00E+00	6.33E-07	6.33E-07	0.00E+00	5.82E-07	5.82E-07	5.73E-02	5.76E-05	4.22E-05
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	0.5	15	2.38E-04	3.36E-03	1.48E-03	1.26E-07	0.00E+00	1.41E-07	1.41E-07	0.00E+00	1.29E-07	1.29E-07	1.27E-02	1.28E-05	9.38E-06
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	0.5	15	2.98E-03	4.20E-02	1.85E-02	1.58E-06	0.00E+00	1.76E-06	1.76E-06	0.00E+00	1.62E-06	1.62E-06	1.59E-01	1.60E-04	1.17E-04
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	0.5	15	2.38E-04	3.36E-03	1.48E-03	1.26E-07	0.00E+00	1.41E-07	1.41E-07	0.00E+00	1.29E-07	1.29E-07	1.27E-02	1.28E-05	9.38E-06
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	0.5	15	2.38E-04	3.36E-03	1.48E-03	1.26E-07	0.00E+00	1.41E-07	1.41E-07	0.00E+00	1.29E-07	1.29E-07	1.27E-02	1.28E-05	9.38E-06
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	0.5	15	7.15E-04	1.01E-02	4.44E-03	3.78E-07	0.00E+00	4.22E-07	4.22E-07	0.00E+00	3.88E-07	3.88E-07	3.82E-02	3.84E-05	2.81E-05
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	0.5	15	8.34E-04	1.18E-02	5.19E-03	4.41E-07	0.00E+00	4.92E-07	4.92E-07	0.00E+00	4.53E-07	4.53E-07	4.46E-02	4.48E-05	3.28E-05
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	0.5	15	7.15E-04	1.01E-02	4.44E-03	3.78E-07	0.00E+00	4.22E-07	4.22E-07	0.00E+00	3.88E-07	3.88E-07	3.82E-02	3.84E-05	2.81E-05
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	0.5	15	4.77E-04	6.72E-03	2.96E-03	2.52E-07	0.00E+00	2.81E-07	2.81E-07	0.00E+00	2.59E-07	2.59E-07	2.55E-02	2.56E-05	1.88E-05
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	0.5	15	7.15E-04	1.01E-02	4.44E-03	3.78E-07	0.00E+00	4.22E-07	4.22E-07	0.00E+00	3.88E-07	3.88E-07	3.82E-02	3.84E-05	2.81E-05
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	0.5	15	1.36E-03	2.27E-02	8.44E-03	7.42E-07	0.00E+00	8.10E-07	8.10E-07	0.00E+00	7.45E-07	7.45E-07	7.50E-02	7.43E-05	5.63E-05
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	0.5	15	5.10E-04	8.49E-03	3.16E-03	2.78E-07	0.00E+00	3.04E-07	3.04E-07	0.00E+00	2.79E-07	2.79E-07	2.81E-02	2.79E-05	2.11E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	0.5	15	1.64E-03	2.74E-02	1.02E-02	8.96E-07	0.00E+00	9.79E-07	9.79E-07	0.00E+00	9.00E-07	9.00E-07	9.06E-02	8.98E-05	6.80E-05
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	0.5	15	9.64E-04	1.60E-02	5.98E-03	5.26E-07	0.00E+00	5.74E-07	5.74E-07	0.00E+00	5.28E-07	5.28E-07	5.31E-02	5.26E-05	3.99E-05
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	0.5	15	1.70E-03	2.83E-02	1.05E-02	9.27E-07	0.00E+00	1.01E-06	1.01E-06	0.00E+00	9.31E-07	9.31E-07	9.37E-02	9.29E-05	7.04E-05
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	0.5	15	6.80E-04	1.13E-02	4.22E-03	3.71E-07	0.00E+00	4.05E-07	4.05E-07	0.00E+00	3.73E-07	3.73E-07	3.75E-02	3.71E-05	2.81E-05
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	0.5	15	5.10E-04	8.49E-03	3.16E-03	2.78E-07	0.00E+00	3.04E-07	3.04E-07	0.00E+00	2.79E-07	2.79E-07	2.81E-02	2.79E-05	2.11E-05
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	0.5	15	1.76E-03	2.93E-02	1.09E-02	9.58E-07	0.00E+00	1.05E-06	1.05E-06	0.00E+00	9.62E-07	9.62E-07	9.68E-02	9.60E-05	7.27E-05
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	0.5	15	5.67E-04	9.44E-03	3.51E-03	3.09E-07	0.00E+00	3.38E-07	3.38E-07	0.00E+00	3.10E-07	3.10E-07	3.12E-02	3.10E-05	2.35E-05
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	0.5	15	6.80E-04	1.13E-02	4.22E-03	3.71E-07	0.00E+00	4.05E-07	4.05E-07	0.00E+00	3.73E-07	3.73E-07	3.75E-02	3.71E-05	2.81E-05
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	0.5	15	1.64E-03	3.31E-02	1.02E-02	9.22E-07	0.00E+00	9.95E-07	9.95E-07	0.00E+00	9.15E-07	9.15E-07	9.31E-02	9.10E-05	7.13E-05
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	0.5	15	7.68E-04	1.54E-02	4.74E-03	4.30E-07	0.00E+00	4.64E-07	4.64E-07	0.00E+00	4.27E-07	4.27E-07	4.35E-02	4.25E-05	3.33E-05
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	0.5	15	4.39E-04	8.81E-03	2.71E-03	2.46E-07	0.00E+00	2.65E-07	2.65E-07	0.00E+00	2.44E-07	2.44E-07	2.48E-02	2.43E-05	1.90E-05
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	0.5	15	1.64E-03	3.31E-02	1.02E-02	9.22E-07	0.00E+00	9.95E-07	9.95E-07	0.00E+00	9.15E-07	9.15E-07	9.31E-02	9.10E-05	7.13E-05
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	0.5	15	1.64E-03	3.31E-02	1.02E-02	9.22E-07	0.00E+00	9.95E-07	9.95E-07	0.00E+00	9.15E-07	9.15E-07	9.31E-02	9.10E-05	7.13E-05
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	0.5	15	6.58E-04	1.32E-02	4.07E-03	3.69E-07	0.00E+00	3.98E-07	3.98E-07	0.00E+00	3.66E-07	3.66E-07	3.73E-02	3.64E-05	2.85E-05
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	0.5	15	2.19E-04	4.41E-03	1.36E-03	1.23E-07	0.00E+00	1.33E-07	1.33E-07	0.00E+00	1.22E-07	1.22E-07	1.24E-02	1.21E-05	9.50E-06
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	0.5	15	2.74E-03	5.51E-02	1.69E-02	1.54E-06	0.00E+00	1.66E-06	1.66E-06	0.00E+00	1.52E-06	1.52E-06	1.55E-01	1.52E-04	1.19E-04
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	0.5	15	6.58E-04	1.32E-02	4.07E-03	3.69E-07	0.00E+00	3.98E-07	3.98E-07	0.00E+00	3.66E-07	3.66E-07	3.73E-02	3.64E-05	2.85E-05
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	0.5	15	6.58E-04	1.32E-02	4.07E-03	3.69E-07	0.00E+00	3.98E-07	3.98E-07	0.00E+00	3.66E-07	3.66E-07	3.73E-02	3.64E-05	2.85E-05
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	0.5	15	1.18E-03	2.54E-02	7.23E-03	6.74E-07	0.00E+00	7.26E-07	7.26E-07	0.00E+00	6.68E-07	6.68E-07	6.81E-02	6.58E-05	5.31E-05
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	0.5	15	1.48E-03	3.21E-02	9.12E-03	8.49E-07	0.00E+00	9.16E-07	9.16E-07	0.00E+00	8.42E-07	8.42E-07	8.58E-02	8.30E-05	6.69E-05
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	0.5	15	1.48E-03	3.21E-02	9.12E-03	8.49E-07	0.00E+00	9.16E-07	9.16E-07	0.00E+00	8.42E-07	8.42E-07	8.58E-02	8.30E-05	6.69E-05
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	0.5	15	8.70E-04	1.88E-02	5.35E-03	4.98E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.03E-02	4.87E-05	3.92E-05
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	0.5	15	1.54E-03	3.32E-02	9.44E-03	8.79E-07	0.00E+00	9.47E-07	9.47E-07	0.00E+00	8.71E-07	8.71E-07	8.88E-02	8.59E-05	6.92E-05
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	0.5	15	6.14E-04	1.33E-02	3.77E-03	3.51E-07	0.00E+00	3.79E-07	3.79E-07	0.00E+00	3.48E-07	3.48E-07	3.55E-02	3.43E-05	2.77E-05
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	0.5	15	4.61E-04	9.96E-03	2.83E-03	2.64E-07	0.00E+00	2.84E-07	2.84E-07	0.00E+00	2.61E-07	2.61E-07	2.66E-02	2.58E-05	2.08E-05
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	0.5	15	2.05E-04	4.42E-03	1.26E-03	1.17E-07	0.00E+00	1.26E-07	1.26E-07	0.00E+00	1.16E-07	1.16E-07	1.18E-02	1.14E-05	9.23E-06
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	0.5	15	1.59E-03	3.43E-02	9.75E-03	9.08E-07	0.00E+00	9.79E-07	9.79E-07	0.00E+00	9.00E-07	9.00E-07	9.18E-02	8.87E-05	7.15E-05
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	0.5	15	5.63E-04	1.22E-02	3.46E-03	3.22E-07	0.00E+00	3.47E-07	3.47E-07	0.00E+00	3.19E-07	3.19E-07	3.26E-02	3.15E-05	2.54E-05
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	0.5	15	6.14E-04	1.33E-02	3.77E-03	3.51E-07	0.00E+00	3.79E-07	3.79E-07	0.00E+00	3.48E-07	3.48E-07	3.55E-02	3.43E-05	2.77E-05

Vendor Idling Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/min)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	0.5	15	1.49E-01	6.45E-04	7.49E-03	9.45E-03	1.11E-05	0.00E+00	1.94E-05	1.94E-05	0.00E+00	1.85E-05	1.85E-05	1.17E+00	6.67E-05
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	0.5	15	3.31E-02	1.43E-04	1.66E-03	2.10E-03	2.47E-06	0.00E+00	4.30E-06	4.30E-06	0.00E+00	4.12E-06	4.12E-06	2.59E-01	1.48E-05
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	0.5	15	4.13E-01	1.79E-03	2.08E-02	2.63E-02	3.09E-05	0.00E+00	5.38E-05	5.38E-05	0.00E+00	5.15E-05	5.15E-05	3.24E+00	1.85E-04
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	0.5	15	9.92E-02	4.30E-04	4.99E-03	6.30E-03	7.42E-06	0.00E+00	1.29E-05	1.29E-05	0.00E+00	1.24E-05	1.24E-05	7.78E-01	4.45E-05
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	0.5	15	3.31E-02	1.43E-04	1.66E-03	2.10E-03	2.47E-06	0.00E+00	4.30E-06	4.30E-06	0.00E+00	4.12E-06	4.12E-06	2.59E-01	1.48E-05
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	0.5	15	2.48E-01	1.08E-03	1.25E-02	1.58E-02	1.85E-05	0.00E+00	3.23E-05	3.23E-05	0.00E+00	3.09E-05	3.09E-05	1.94E+00	1.11E-04
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	0.5	15	9.92E-02	4.30E-04	4.99E-03	6.30E-03	7.42E-06	0.00E+00	1.29E-05	1.29E-05	0.00E+00	1.24E-05	1.24E-05	7.78E-01	4.45E-05
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	0.5	15	1.16E-01	5.02E-04	5.83E-03	7.35E-03	8.66E-06	0.00E+00	1.51E-05	1.51E-05	0.00E+00	1.44E-05	1.44E-05	9.08E-01	5.19E-05
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	0.5	15	9.92E-02	4.30E-04	4.99E-03	6.30E-03	7.42E-06	0.00E+00	1.29E-05	1.29E-05	0.00E+00	1.24E-05	1.24E-05	7.78E-01	4.45E-05
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	0.5	15	6.61E-02	2.87E-04	3.33E-03	4.20E-03	4.95E-06	0.00E+00	8.61E-06	8.61E-06	0.00E+00	8.24E-06	8.24E-06	5.19E-01	2.97E-05
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	0.5	15	1.49E-01	6.33E-04	7.01E-03	9.44E-03	1.10E-05	0.00E+00	1.60E-05	1.60E-05	0.00E+00	1.53E-05	1.53E-05	1.15E+00	6.61E-05
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	0.5	15	3.31E-02	1.41E-04	1.56E-03	2.10E-03	2.43E-06	0.00E+00	3.56E-06	3.56E-06	0.00E+00	3.40E-06	3.40E-06	2.55E-01	1.47E-05
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	0.5	15	4.13E-01	1.76E-03	1.95E-02	2.62E-02	3.04E-05	0.00E+00	4.45E-05	4.45E-05	0.00E+00	4.25E-05	4.25E-05	3.19E+00	1.83E-04
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	0.5	15	3.31E-02	1.41E-04	1.56E-03	2.10E-03	2.43E-06	0.00E+00	3.56E-06	3.56E-06	0.00E+00	3.40E-06	3.40E-06	2.55E-01	1.47E-05
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	0.5	15	3.31E-02	1.41E-04	1.56E-03	2.10E-03	2.43E-06	0.00E+00	3.56E-06	3.56E-06	0.00E+00	3.40E-06	3.40E-06	2.55E-01	1.47E-05
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	0.5	15	9.92E-02	4.22E-04	4.67E-03	6.30E-03	7.30E-06	0.00E+00	1.07E-05	1.07E-05	0.00E+00	1.02E-05	1.02E-05	7.66E-01	4.40E-05
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	0.5	15	1.16E-01	4.93E-04	5.45E-03	7.34E-03	8.52E-06	0.00E+00	1.25E-05	1.25E-05	0.00E+00	1.19E-05	1.19E-05	8.94E-01	5.14E-05
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	0.5	15	9.92E-02	4.22E-04	4.67E-03	6.30E-03	7.30E-06	0.00E+00	1.07E-05	1.07E-05	0.00E+00	1.02E-05	1.02E-05	7.66E-01	4.40E-05
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	0.5	15	6.61E-02	2.82E-04	3.11E-03	4.20E-03	4.87E-06	0.00E+00	7.11E-06	7.11E-06	0.00E+00	6.81E-06	6.81E-06	5.11E-01	2.94E-05
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	0.5	15	9.92E-02	4.22E-04	4.67E-03	6.30E-03	7.30E-06	0.00E+00	1.07E-05	1.07E-05	0.00E+00	1.02E-05	1.02E-05	7.66E-01	4.40E-05
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	0.5	15	1.98E-01	8.25E-04	8.21E-03	1.26E-02	1.43E-05	0.00E+00	1.26E-05	1.26E-05	0.00E+00	1.20E-05	1.20E-05	1.50E+00	8.74E-05
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	0.5	15	7.44E-02	3.09E-04	3.08E-03	4.73E-03	5.37E-06	0.00E+00	4.71E-06	4.71E-06	0.00E+00	4.50E-06	4.50E-06	5.64E-01	3.28E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	0.5	15	2.40E-01	9.97E-04	9.91E-03	1.53E-02	1.73E-05	0.00E+00	1.52E-05	1.52E-05	0.00E+00	1.45E-05	1.45E-05	1.82E+00	1.06E-04
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	0.5	15	1.41E-01	5.84E-04	5.81E-03	8.94E-03	1.01E-05	0.00E+00	8.89E-06	8.89E-06	0.00E+00	8.51E-06	8.51E-06	1.06E+00	6.19E-05
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	0.5	15	2.48E-01	1.03E-03	1.03E-02	1.58E-02	1.79E-05	0.00E+00	1.57E-05	1.57E-05	0.00E+00	1.50E-05	1.50E-05	1.88E+00	1.09E-04
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	0.5	15	9.92E-02	4.12E-04	4.10E-03	6.31E-03	7.16E-06	0.00E+00	6.28E-06	6.28E-06	0.00E+00	6.01E-06	6.01E-06	7.52E-01	4.37E-05
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	0.5	15	7.44E-02	3.09E-04	3.08E-03	4.73E-03	5.37E-06	0.00E+00	4.71E-06	4.71E-06	0.00E+00	4.50E-06	4.50E-06	5.64E-01	3.28E-05
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	0.5	15	2.56E-01	1.07E-03	1.06E-02	1.63E-02	1.85E-05	0.00E+00	1.62E-05	1.62E-05	0.00E+00	1.55E-05	1.55E-05	1.94E+00	1.13E-04
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	0.5	15	8.27E-02	3.44E-04	3.42E-03	5.26E-03	5.97E-06	0.00E+00	5.23E-06	5.23E-06	0.00E+00	5.01E-06	5.01E-06	6.26E-01	3.64E-05
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	0.5	15	9.92E-02	4.12E-04	4.10E-03	6.31E-03	7.16E-06	0.00E+00	6.28E-06	6.28E-06	0.00E+00	6.01E-06	6.01E-06	7.52E-01	4.37E-05
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	0.5	15	2.48E-01	1.02E-03	8.28E-03	1.63E-02	1.73E-05	0.00E+00	5.68E-06	5.68E-06	0.00E+00	5.44E-06	5.44E-06	1.81E+00	1.10E-04
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	0.5	15	1.16E-01	4.75E-04	3.86E-03	7.59E-03	8.05E-06	0.00E+00	2.65E-06	2.65E-06	0.00E+00	2.54E-06	2.54E-06	8.46E-01	5.12E-05
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	0.5	15	6.61E-02	2.71E-04	2.21E-03	4.34E-03	4.60E-06	0.00E+00	1.52E-06	1.52E-06	0.00E+00	1.45E-06	1.45E-06	4.83E-01	2.93E-05
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	0.5	15	2.48E-01	1.02E-03	8.28E-03	1.63E-02	1.73E-05	0.00E+00	5.68E-06	5.68E-06	0.00E+00	5.44E-06	5.44E-06	1.81E+00	1.10E-04
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	0.5	15	2.48E-01	1.02E-03	8.28E-03	1.63E-02	1.73E-05	0.00E+00	5.68E-06	5.68E-06	0.00E+00	5.44E-06	5.44E-06	1.81E+00	1.10E-04
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	0.5	15	9.92E-02	4.07E-04	3.31E-03	6.50E-03	6.90E-06	0.00E+00	2.27E-06	2.27E-06	0.00E+00	2.17E-06	2.17E-06	7.25E-01	4.39E-05
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	0.5	15	3.31E-02	1.36E-04	1.10E-03	2.17E-03	2.30E-06	0.00E+00	7.58E-07	7.58E-07	0.00E+00	7.25E-07	7.25E-07	2.42E-01	1.46E-05
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	0.5	15	4.13E-01	1.70E-03	1.38E-02	2.71E-02	2.88E-05	0.00E+00	9.47E-06	9.47E-06	0.00E+00	9.06E-06	9.06E-06	3.02E+00	1.83E-04
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	0.5	15	9.92E-02	4.07E-04	3.31E-03	6.50E-03	6.90E-06	0.00E+00	2.27E-06	2.27E-06	0.00E+00	2.17E-06	2.17E-06	7.25E-01	4.39E-05
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	0.5	15	9.92E-02	4.07E-04	3.31E-03	6.50E-03	6.90E-06	0.00E+00	2.27E-06	2.27E-06	0.00E+00	2.17E-06	2.17E-06	7.25E-01	4.39E-05
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	0.5	15	1.90E-01	7.65E-04	6.27E-03	1.23E-02	1.30E-05	0.00E+00	3.96E-06	3.96E-06	0.00E+00	3.79E-06	3.79E-06	1.37E+00	8.25E-05
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	0.5	15	2.40E-01	9.64E-04	7.91E-03	1.55E-02	1.64E-05	0.00E+00	4.99E-06	4.99E-06	0.00E+00	4.78E-06	4.78E-06	1.73E+00	1.04E-04
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	0.5	15	2.40E-01	9.64E-04	7.91E-03	1.55E-02	1.64E-05	0.00E+00	4.99E-06	4.99E-06	0.00E+00	4.78E-06	4.78E-06	1.73E+00	1.04E-04
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	0.5	15	1.41E-01	5.65E-04	4.63E-03	9.08E-03	9.63E-06	0.00E+00	2.93E-06	2.93E-06	0.00E+00	2.80E-06	2.80E-06	1.01E+00	6.10E-05
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	0.5	15	2.48E-01	9.98E-04	8.18E-03	1.60E-02	1.70E-05	0.00E+00	5.16E-06	5.16E-06	0.00E+00	4.94E-06	4.94E-06	1.79E+00	1.08E-04
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	0.5	15	9.92E-02	3.99E-04	3.27E-03	6.41E-03	6.79E-06	0.00E+00	2.07E-06	2.07E-06	0.00E+00	1.98E-06	1.98E-06	7.14E-01	4.30E-05
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	0.5	15	7.44E-02	2.99E-04	2.45E-03	4.81E-03	5.10E-06	0.00E+00	1.55E-06	1.55E-06	0.00E+00	1.48E-06	1.48E-06	5.36E-01	3.23E-05
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	0.5	15	3.31E-02	1.33E-04	1.09E-03	2.14E-03	2.26E-06	0.00E+00	6.88E-07	6.88E-07	0.00E+00	6.59E-07	6.59E-07	2.38E-01	1.43E-05
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	0.5	15	2.56E-01	1.03E-03	8.45E-03	1.66E-02	1.76E-05	0.00E+00	5.34E-06	5.34E-06	0.00E+00	5.10E-06	5.10E-06	1.85E+00	1.11E-04
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	0.5	15	9.09E-02	3.66E-04	3.00E-03	5.88E-03	6.23E-06	0.00E+00	1.89E-06	1.89E-06	0.00E+00	1.81E-06	1.81E-06	6.55E-01	3.94E-05
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	0.5	15	9.92E-02	3.99E-04	3.27E-03	6.41E-03	6.79E-06	0.00E+00	2.07E-06	2.07E-06	0.00E+00	1.98E-06	1.98E-06	7.14E-01	4.30E-05

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Vendor Running Emission Factors ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/mile)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	0.5	15	1.35E-03	3.44E-02	7.29E-03	1.21E-04	1.87	1.20E-03	1.88E+00	1.87E-01	6.51E-04	1.88E-01	1.29E+01	4.40E-04	1.86E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	0.5	15	3.01E-04	7.64E-03	1.62E-03	2.68E-05	0.42	2.66E-04	4.17E-01	4.16E-02	1.45E-04	4.17E-02	2.88E+00	9.77E-05	4.13E-04
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	0.5	15	3.76E-03	9.55E-02	2.02E-02	3.35E-04	5.21	3.32E-03	5.21E+00	5.20E-01	1.81E-03	5.22E-01	3.60E+01	1.22E-03	5.17E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	0.5	15	9.02E-04	2.29E-02	4.86E-03	8.04E-05	1.25	7.97E-04	1.25E+00	1.25E-01	4.34E-04	1.25E-01	8.63E+00	2.93E-04	1.24E-03
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	0.5	15	3.01E-04	7.64E-03	1.62E-03	2.68E-05	0.42	2.66E-04	4.17E-01	4.16E-02	1.45E-04	4.17E-02	2.88E+00	9.77E-05	4.13E-04
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	0.5	15	2.26E-03	5.73E-02	1.21E-02	2.01E-04	3.12	1.99E-03	3.13E+00	3.12E-01	1.08E-03	3.13E-01	2.16E+01	7.33E-04	3.10E-03
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	0.5	15	9.02E-04	2.29E-02	4.86E-03	8.04E-05	1.25	7.97E-04	1.25E+00	1.25E-01	4.34E-04	1.25E-01	8.63E+00	2.93E-04	1.24E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	0.5	15	1.05E-03	2.67E-02	5.67E-03	9.38E-05	1.46	9.30E-04	1.46E+00	1.46E-01	5.06E-04	1.46E-01	1.01E+01	3.42E-04	1.45E-03
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	0.5	15	9.02E-04	2.29E-02	4.86E-03	8.04E-05	1.25	7.97E-04	1.25E+00	1.25E-01	4.34E-04	1.25E-01	8.63E+00	2.93E-04	1.24E-03
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	0.5	15	6.01E-04	1.53E-02	3.24E-03	5.36E-05	0.83	5.31E-04	8.33E-01	8.32E-02	2.89E-04	8.35E-02	5.75E+00	1.95E-04	8.27E-04
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	0.5	15	1.10E-03	3.01E-02	6.29E-03	1.18E-04	1.87	1.20E-03	1.88E+00	1.87E-01	5.39E-04	1.88E-01	1.27E+01	4.31E-04	1.82E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	0.5	15	2.44E-04	6.70E-03	1.40E-03	2.62E-05	0.42	2.66E-04	4.17E-01	4.16E-02	1.20E-04	4.17E-02	2.82E+00	9.59E-05	4.05E-04
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	0.5	15	3.05E-03	8.37E-02	1.75E-02	3.28E-04	5.21	3.32E-03	5.21E+00	5.20E-01	1.50E-03	5.21E-01	3.52E+01	1.20E-03	5.07E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	0.5	15	2.44E-04	6.70E-03	1.40E-03	2.62E-05	0.42	2.66E-04	4.17E-01	4.16E-02	1.20E-04	4.17E-02	2.82E+00	9.59E-05	4.05E-04
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	0.5	15	2.44E-04	6.70E-03	1.40E-03	2.62E-05	0.42	2.66E-04	4.17E-01	4.16E-02	1.20E-04	4.17E-02	2.82E+00	9.59E-05	4.05E-04
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	0.5	15	7.33E-04	2.01E-02	4.20E-03	7.87E-05	1.25	7.97E-04	1.25E+00	1.25E-01	3.59E-04	1.25E-01	8.46E+00	2.88E-04	1.22E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	0.5	15	8.55E-04	2.34E-02	4.89E-03	9.18E-05	1.46	9.30E-04	1.46E+00	1.46E-01	4.19E-04	1.46E-01	9.86E+00	3.36E-04	1.42E-03
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	0.5	15	7.33E-04	2.01E-02	4.20E-03	7.87E-05	1.25	7.97E-04	1.25E+00	1.25E-01	3.59E-04	1.25E-01	8.46E+00	2.88E-04	1.22E-03
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	0.5	15	4.89E-04	1.34E-02	2.80E-03	5.25E-05	0.83	5.31E-04	8.33E-01	8.32E-02	2.39E-04	8.34E-02	5.64E+00	1.92E-04	8.11E-04
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	0.5	15	7.33E-04	2.01E-02	4.20E-03	7.87E-05	1.25	7.97E-04	1.25E+00	1.25E-01	3.59E-04	1.25E-01	8.46E+00	2.88E-04	1.22E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	0.5	15	8.52E-04	3.21E-02	6.18E-03	1.53E-04	2.50	1.59E-03	2.50E+00	2.50E-01	3.95E-04	2.50E-01	1.64E+01	5.49E-04	2.36E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	0.5	15	3.19E-04	1.20E-02	2.32E-03	5.72E-05	0.94	5.98E-04	9.38E-01	9.36E-02	1.48E-04	9.37E-02	6.16E+00	2.06E-04	8.85E-04
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	0.5	15	1.03E-03	3.88E-02	7.47E-03	1.84E-04	3.02	1.93E-03	3.02E+00	3.02E-01	4.77E-04	3.02E-01	1.98E+01	6.64E-04	2.85E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	0.5	15	6.03E-04	2.27E-02	4.38E-03	1.08E-04	1.77	1.13E-03	1.77E+00	1.77E-01	2.80E-04	1.77E-01	1.16E+01	3.89E-04	1.67E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	0.5	15	1.06E-03	4.01E-02	7.73E-03	1.91E-04	3.12	1.99E-03	3.13E+00	3.12E-01	4.94E-04	3.12E-01	2.05E+01	6.87E-04	2.95E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	0.5	15	4.26E-04	1.60E-02	3.09E-03	7.63E-05	1.25	7.97E-04	1.25E+00	1.25E-01	1.98E-04	1.25E-01	8.21E+00	2.75E-04	1.18E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	0.5	15	3.19E-04	1.20E-02	2.32E-03	5.72E-05	0.94	5.98E-04	9.38E-01	9.36E-02	1.48E-04	9.37E-02	6.16E+00	2.06E-04	8.85E-04
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	0.5	15	1.10E-03	4.15E-02	7.99E-03	1.97E-04	3.23	2.06E-03	3.23E+00	3.22E-01	5.10E-04	3.23E-01	2.12E+01	7.10E-04	3.05E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	0.5	15	3.55E-04	1.34E-02	2.58E-03	6.36E-05	1.04	6.64E-04	1.04E+00	1.04E-01	1.65E-04	1.04E-01	6.84E+00	2.29E-04	9.84E-04
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	0.5	15	4.26E-04	1.60E-02	3.09E-03	7.63E-05	1.25	7.97E-04	1.25E+00	1.25E-01	1.98E-04	1.25E-01	8.21E+00	2.75E-04	1.18E-03
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	0.5	15	3.06E-04	2.87E-02	5.40E-03	1.82E-04	3.12	1.99E-03	3.13E+00	3.12E-01	2.13E-04	3.12E-01	1.96E+01	6.54E-04	2.81E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	0.5	15	1.43E-04	1.34E-02	2.52E-03	8.47E-05	1.46	9.30E-04	1.46E+00	1.46E-01	9.95E-05	1.46E-01	9.13E+00	3.05E-04	1.31E-03
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	0.5	15	8.16E-05	7.66E-03	1.44E-03	4.84E-05	0.83	5.31E-04	8.33E-01	8.32E-02	5.69E-05	8.33E-02	5.22E+00	1.74E-04	7.49E-04
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	0.5	15	3.06E-04	2.87E-02	5.40E-03	1.82E-04	3.12	1.99E-03	3.13E+00	3.12E-01	2.13E-04	3.12E-01	1.96E+01	6.54E-04	2.81E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	0.5	15	3.06E-04	2.87E-02	5.40E-03	1.82E-04	3.12	1.99E-03	3.13E+00	3.12E-01	2.13E-04	3.12E-01	1.96E+01	6.54E-04	2.81E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	0.5	15	1.22E-04	1.15E-02	2.16E-03	7.26E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.53E-05	1.25E-01	7.82E+00	2.62E-04	1.12E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	0.5	15	4.08E-05	3.83E-03	7.20E-04	2.42E-05	0.42	2.66E-04	4.17E-01	4.16E-02	2.84E-05	4.16E-02	2.61E+00	8.72E-05	3.74E-04
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	0.5	15	5.10E-04	4.79E-02	9.00E-03	3.03E-04	5.21	3.32E-03	5.21E+00	5.20E-01	3.55E-04	5.20E-01	3.26E+01	1.09E-03	4.68E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	0.5	15	1.22E-04	1.15E-02	2.16E-03	7.26E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.53E-05	1.25E-01	7.82E+00	2.62E-04	1.12E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	0.5	15	1.22E-04	1.15E-02	2.16E-03	7.26E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.53E-05	1.25E-01	7.82E+00	2.62E-04	1.12E-03
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	0.5	15	2.26E-04	2.22E-02	4.03E-03	1.37E-04	2.39	1.53E-03	2.40E+00	2.39E-01	1.64E-04	2.39E-01	1.48E+01	5.02E-04	2.13E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	0.5	15	2.85E-04	2.80E-02	5.09E-03	1.73E-04	3.02	1.93E-03	3.02E+00	3.02E-01	2.07E-04	3.02E-01	1.86E+01	6.33E-04	2.68E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	0.5	15	2.85E-04	2.80E-02	5.09E-03	1.73E-04	3.02	1.93E-03	3.02E+00	3.02E-01	2.07E-04	3.02E-01	1.86E+01	6.33E-04	2.68E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	0.5	15	1.67E-04	1.64E-02	2.98E-03	1.01E-04	1.77	1.13E-03	1.77E+00	1.77E-01	1.21E-04	1.77E-01	1.09E+01	3.71E-04	1.57E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	0.5	15	2.95E-04	2.90E-02	5.26E-03	1.79E-04	3.12	1.99E-03	3.13E+00	3.12E-01	2.14E-04	3.12E-01	1.93E+01	6.55E-04	2.77E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	0.5	15	1.18E-04	1.16E-02	2.11E-03	7.15E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.56E-05	1.25E-01	7.71E+00	2.62E-04	1.11E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	0.5	15	8.85E-05	8.69E-03	1.58E-03	5.36E-05	0.94	5.98E-04	9.38E-01	9.36E-02	6.42E-05	9.37E-02	5.78E+00	1.96E-04	8.32E-04
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	0.5	15	3.94E-05	3.86E-03	7.02E-04	2.38E-05	0.42	2.66E-04	4.17E-01	4.16E-02	2.85E-05	4.16E-02	2.57E+00	8.73E-05	3.70E-04
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	0.5	15	3.05E-04	2.99E-02	5.44E-03	1.85E-04	3.23	2.06E-03	3.23E+00	3.22E-01	2.21E-04	3.23E-01	1.99E+01	6.77E-04	2.86E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	0.5	15	1.08E-04	1.06E-02	1.93E-03	6.56E-05	1.15	7.31E-04	1.15E+00	1.14E-01	7.84E-05	1.14E-01	7.07E+00	2.40E-04	1.02E-03
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	0.5	15	1.18E-04	1.16E-02	2.11E-03	7.15E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.56E-05	1.25E-01	7.71E+00	2.62E-04	1.11E-03

					Worker Starting/Evaporative Emission Factors												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission Factor (g/trip)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	0.5	6.03E-02	1.46E-02	1.34E-01	3.46E-05	0.00E+00	1.27E-04	1.27E-04	0.00E+00	1.17E-04	1.17E-04	3.50E+00	3.85E-03	1.67E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	0.5	1.81E-02	4.38E-03	4.02E-02	1.04E-05	0.00E+00	3.81E-05	3.81E-05	0.00E+00	3.50E-05	3.50E-05	1.05E+00	1.16E-03	5.01E-04
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	0.5	4.83E-02	1.17E-02	1.07E-01	2.77E-05	0.00E+00	1.02E-04	1.02E-04	0.00E+00	9.34E-05	9.34E-05	2.80E+00	3.08E-03	1.34E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	0.5	1.21E-02	2.92E-03	2.68E-02	6.92E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.34E-05	2.34E-05	7.00E-01	7.71E-04	3.34E-04
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	0.5	3.02E-02	7.31E-03	6.71E-02	1.73E-05	0.00E+00	6.35E-05	6.35E-05	0.00E+00	5.84E-05	5.84E-05	1.75E+00	1.93E-03	8.35E-04
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	0.5	3.02E-02	7.31E-03	6.71E-02	1.73E-05	0.00E+00	6.35E-05	6.35E-05	0.00E+00	5.84E-05	5.84E-05	1.75E+00	1.93E-03	8.35E-04
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	0.5	1.81E-02	4.38E-03	4.02E-02	1.04E-05	0.00E+00	3.81E-05	3.81E-05	0.00E+00	3.50E-05	3.50E-05	1.05E+00	1.16E-03	5.01E-04
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	0.5	1.21E-02	2.92E-03	2.68E-02	6.92E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.34E-05	2.34E-05	7.00E-01	7.71E-04	3.34E-04
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	0.5	3.02E-02	7.31E-03	6.71E-02	1.73E-05	0.00E+00	6.35E-05	6.35E-05	0.00E+00	5.84E-05	5.84E-05	1.75E+00	1.93E-03	8.35E-04
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	0.5	1.21E-02	2.92E-03	2.68E-02	6.92E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.34E-05	2.34E-05	7.00E-01	7.71E-04	3.34E-04
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	0.5	5.58E-02	1.34E-02	1.30E-01	3.36E-05	0.00E+00	1.19E-04	1.19E-04	0.00E+00	1.10E-04	1.10E-04	3.39E+00	3.54E-03	1.59E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	0.5	1.67E-02	4.03E-03	3.89E-02	1.01E-05	0.00E+00	3.58E-05	3.58E-05	0.00E+00	3.29E-05	3.29E-05	1.02E+00	1.06E-03	4.78E-04
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	0.5	4.46E-02	1.07E-02	1.04E-01	2.69E-05	0.00E+00	9.54E-05	9.54E-05	0.00E+00	8.77E-05	8.77E-05	2.71E+00	2.83E-03	1.27E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	0.5	2.79E-02	6.71E-03	6.48E-02	1.68E-05	0.00E+00	5.96E-05	5.96E-05	0.00E+00	5.48E-05	5.48E-05	1.70E+00	1.77E-03	7.96E-04
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	0.5	2.79E-02	6.71E-03	6.48E-02	1.68E-05	0.00E+00	5.96E-05	5.96E-05	0.00E+00	5.48E-05	5.48E-05	1.70E+00	1.77E-03	7.96E-04
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	0.5	1.67E-02	4.03E-03	3.89E-02	1.01E-05	0.00E+00	3.58E-05	3.58E-05	0.00E+00	3.29E-05	3.29E-05	1.02E+00	1.06E-03	4.78E-04
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	0.5	1.12E-02	2.68E-03	2.59E-02	6.71E-06	0.00E+00	2.38E-05	2.38E-05	0.00E+00	2.19E-05	2.19E-05	6.78E-01	7.08E-04	3.18E-04
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	0.5	1.12E-02	2.68E-03	2.59E-02	6.71E-06	0.00E+00	2.38E-05	2.38E-05	0.00E+00	2.19E-05	2.19E-05	6.78E-01	7.08E-04	3.18E-04
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	0.5	1.12E-02	2.68E-03	2.59E-02	6.71E-06	0.00E+00	2.38E-05	2.38E-05	0.00E+00	2.19E-05	2.19E-05	6.78E-01	7.08E-04	3.18E-04
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	0.5	2.79E-02	6.71E-03	6.48E-02	1.68E-05	0.00E+00	5.96E-05	5.96E-05	0.00E+00	5.48E-05	5.48E-05	1.70E+00	1.77E-03	7.96E-04
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	0.5	5.18E-02	1.24E-02	1.25E-01	3.25E-05	0.00E+00	1.12E-04	1.12E-04	0.00E+00	1.03E-04	1.03E-04	3.29E+00	3.26E-03	1.52E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	0.5	1.29E-02	3.09E-03	3.13E-02	8.13E-06	0.00E+00	2.81E-05	2.81E-05	0.00E+00	2.58E-05	2.58E-05	8.22E-01	8.15E-04	3.79E-04
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	0.5	2.59E-02	6.18E-03	6.26E-02	1.63E-05	0.00E+00	5.62E-05	5.62E-05	0.00E+00	5.17E-05	5.17E-05	1.64E+00	1.63E-03	7.59E-04
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	0.5	3.88E-02	9.27E-03	9.39E-02	2.44E-05	0.00E+00	8.43E-05	8.43E-05	0.00E+00	7.75E-05	7.75E-05	2.46E+00	2.45E-03	1.14E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	0.5	2.59E-02	6.18E-03	6.26E-02	1.63E-05	0.00E+00	5.62E-05	5.62E-05	0.00E+00	5.17E-05	5.17E-05	1.64E+00	1.63E-03	7.59E-04
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	0.5	1.55E-02	3.71E-03	3.76E-02	9.76E-06	0.00E+00	3.37E-05	3.37E-05	0.00E+00	3.10E-05	3.10E-05	9.86E-01	9.78E-04	4.55E-04
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	0.5	1.81E-02	4.33E-03	4.38E-02	1.14E-05	0.00E+00	3.93E-05	3.93E-05	0.00E+00	3.62E-05	3.62E-05	1.15E+00	1.14E-03	5.31E-04
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	0.5	2.59E-02	6.18E-03	6.26E-02	1.63E-05	0.00E+00	5.62E-05	5.62E-05	0.00E+00	5.17E-05	5.17E-05	1.64E+00	1.63E-03	7.59E-04
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	0.5	1.29E-02	3.09E-03	3.13E-02	8.13E-06	0.00E+00	2.81E-05	2.81E-05	0.00E+00	2.58E-05	2.58E-05	8.22E-01	8.15E-04	3.79E-04
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	0.5	1.81E-02	4.33E-03	4.38E-02	1.14E-05	0.00E+00	3.93E-05	3.93E-05	0.00E+00	3.62E-05	3.62E-05	1.15E+00	1.14E-03	5.31E-04
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	0.5	4.83E-02	1.14E-02	1.21E-01	3.15E-05	0.00E+00	1.07E-04	1.07E-04	0.00E+00	9.79E-05	9.79E-05	3.18E+00	3.00E-03	1.45E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	0.5	9.65E-03	2.29E-03	2.42E-02	6.30E-06	0.00E+00	2.13E-05	2.13E-05	0.00E+00	1.96E-05	1.96E-05	6.36E-01	6.01E-04	2.89E-04
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	0.5	9.65E-03	2.29E-03	2.42E-02	6.30E-06	0.00E+00	2.13E-05	2.13E-05	0.00E+00	1.96E-05	1.96E-05	6.36E-01	6.01E-04	2.89E-04
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	0.5	4.83E-02	1.14E-02	1.21E-01	3.15E-05	0.00E+00	1.07E-04	1.07E-04	0.00E+00	9.79E-05	9.79E-05	3.18E+00	3.00E-03	1.45E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	0.5	2.41E-02	5.71E-03	6.05E-02	1.57E-05	0.00E+00	5.33E-05	5.33E-05	0.00E+00	4.90E-05	4.90E-05	1.59E+00	1.50E-03	7.23E-04
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	0.5	1.45E-02	3.43E-03	3.63E-02	9.44E-06	0.00E+00	3.20E-05	3.20E-05	0.00E+00	2.94E-05	2.94E-05	9.54E-01	9.01E-04	4.34E-04
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	0.5	2.41E-02	5.71E-03	6.05E-02	1.57E-05	0.00E+00	5.33E-05	5.33E-05	0.00E+00	4.90E-05	4.90E-05	1.59E+00	1.50E-03	7.23E-04
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	0.5	3.86E-02	9.14E-03	9.67E-02	2.52E-05	0.00E+00	8.52E-05	8.52E-05	0.00E+00	7.84E-05	7.84E-05	2.54E+00	2.40E-03	1.16E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	0.5	1.45E-02	3.43E-03	3.63E-02	9.44E-06	0.00E+00	3.20E-05	3.20E-05	0.00E+00	2.94E-05	2.94E-05	9.54E-01	9.01E-04	4.34E-04
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	0.5	9.65E-03	2.29E-03	2.42E-02	6.30E-06	0.00E+00	2.13E-05	2.13E-05	0.00E+00	1.96E-05	1.96E-05	6.36E-01	6.01E-04	2.89E-04
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	0.5	4.51E-02	1.06E-02	1.17E-01	3.04E-05	0.00E+00	1.02E-04	1.02E-04	0.00E+00	9.34E-05	9.34E-05	3.08E+00	2.77E-03	1.38E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	0.5	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	0.5	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	0.5	3.38E-02	7.95E-03	8.74E-02	2.28E-05	0.00E+00	7.61E-05	7.61E-05	0.00E+00	7.00E-05	7.00E-05	2.31E+00	2.08E-03	1.03E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	0.5	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	0.5	1.35E-02	3.18E-03	3.50E-02	9.13E-06	0.00E+00	3.05E-05	3.05E-05	0.00E+00	2.80E-05	2.80E-05	9.23E-01	8.30E-04	4.13E-04
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	0.5	1.58E-02	3.71E-03	4.08E-02	1.07E-05	0.00E+00	3.55E-05	3.55E-05	0.00E+00	3.27E-05	3.27E-05	1.08E+00	9.69E-04	4.82E-04
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	0.5	1.13E-02	2.65E-03	2.91E-02	7.61E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.33E-05	2.33E-05	7.69E-01	6.92E-04	3.44E-04
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	0.5	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	0.5	9.02E-03	2.12E-03	2.33E-02	6.09E-06	0.00E+00	2.03E-05	2.03E-05	0.00E+00	1.87E-05	1.87E-05	6.15E-01	5.54E-04	2.75E-04
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	0.5	1.58E-02	3.71E-03	4.08E-02	1.07E-05	0.00E+00	3.55E-05	3.55E-05	0.00E+00	3.27E-05	3.27E-05	1.08E+00	9.69E-04	4.82E-04

					Worker Running Emission Factors												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission Factor (g/mile)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	0.5	1.32E-03	4.97E-03	6.28E-02	1.71E-04	1.04E+01	1.20E-04	1.04E+01	1.04E+00	1.11E-04	1.04E+00	1.73E+01	3.10E-04	4.18E-04
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	0.5	3.97E-04	1.49E-03	1.88E-02	5.14E-05	3.12E+00	3.61E-05	3.12E+00	3.12E-01	3.32E-05	3.12E-01	5.20E+00	9.29E-05	1.25E-04
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	0.5	1.06E-03	3.98E-03	5.02E-02	1.37E-04	8.33E+00	9.63E-05	8.33E+00	8.31E-01	8.87E-05	8.31E-01	1.39E+01	2.48E-04	3.34E-04
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	0.5	2.65E-04	9.94E-04	1.26E-02	3.43E-05	2.08E+00	2.41E-05	2.08E+00	2.08E-01	2.22E-05	2.08E-01	3.46E+00	6.19E-05	8.36E-05
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	0.5	6.62E-04	2.49E-03	3.14E-02	8.57E-05	5.20E+00	6.02E-05	5.20E+00	5.19E-01	5.54E-05	5.19E-01	8.66E+00	1.55E-04	2.09E-04
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	0.5	6.62E-04	2.49E-03	3.14E-02	8.57E-05	5.20E+00	6.02E-05	5.20E+00	5.19E-01	5.54E-05	5.19E-01	8.66E+00	1.55E-04	2.09E-04
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	0.5	3.97E-04	1.49E-03	1.88E-02	5.14E-05	3.12E+00	3.61E-05	3.12E+00	3.12E-01	3.32E-05	3.12E-01	5.20E+00	9.29E-05	1.25E-04
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	0.5	2.65E-04	9.94E-04	1.26E-02	3.43E-05	2.08E+00	2.41E-05	2.08E+00	2.08E-01	2.22E-05	2.08E-01	3.46E+00	6.19E-05	8.36E-05
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	0.5	6.62E-04	2.49E-03	3.14E-02	8.57E-05	5.20E+00	6.02E-05	5.20E+00	5.19E-01	5.54E-05	5.19E-01	8.66E+00	1.55E-04	2.09E-04
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	0.5	2.65E-04	9.94E-04	1.26E-02	3.43E-05	2.08E+00	2.41E-05	2.08E+00	2.08E-01	2.22E-05	2.08E-01	3.46E+00	6.19E-05	8.36E-05
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	0.5	1.14E-03	4.30E-03	5.66E-02	1.66E-04	1.04E+01	1.12E-04	1.04E+01	1.04E+00	1.03E-04	1.04E+00	1.68E+01	2.71E-04	3.77E-04
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	0.5	3.43E-04	1.29E-03	1.70E-02	4.99E-05	3.12E+00	3.37E-05	3.12E+00	3.12E-01	3.10E-05	3.12E-01	5.05E+00	8.12E-05	1.13E-04
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	0.5	9.14E-04	3.44E-03	4.53E-02	1.33E-04	8.33E+00	8.99E-05	8.33E+00	8.31E-01	8.28E-05	8.31E-01	1.35E+01	2.16E-04	3.02E-04
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	0.5	5.71E-04	2.15E-03	2.83E-02	8.32E-05	5.20E+00	5.62E-05	5.20E+00	5.19E-01	5.17E-05	5.19E-01	8.41E+00	1.35E-04	1.89E-04
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	0.5	5.71E-04	2.15E-03	2.83E-02	8.32E-05	5.20E+00	5.62E-05	5.20E+00	5.19E-01	5.17E-05	5.19E-01	8.41E+00	1.35E-04	1.89E-04
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	0.5	3.43E-04	1.29E-03	1.70E-02	4.99E-05	3.12E+00	3.37E-05	3.12E+00	3.12E-01	3.10E-05	3.12E-01	5.05E+00	8.12E-05	1.13E-04
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	0.5	2.29E-04	8.60E-04	1.13E-02	3.33E-05	2.08E+00	2.25E-05	2.08E+00	2.08E-01	2.07E-05	2.08E-01	3.36E+00	5.41E-05	7.55E-05
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	0.5	2.29E-04	8.60E-04	1.13E-02	3.33E-05	2.08E+00	2.25E-05	2.08E+00	2.08E-01	2.07E-05	2.08E-01	3.36E+00	5.41E-05	7.55E-05
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	0.5	2.29E-04	8.60E-04	1.13E-02	3.33E-05	2.08E+00	2.25E-05	2.08E+00	2.08E-01	2.07E-05	2.08E-01	3.36E+00	5.41E-05	7.55E-05
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	0.5	5.71E-04	2.15E-03	2.83E-02	8.32E-05	5.20E+00	5.62E-05	5.20E+00	5.19E-01	5.17E-05	5.19E-01	8.41E+00	1.35E-04	1.89E-04
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	0.5	9.88E-04	3.74E-03	5.14E-02	1.61E-04	1.04E+01	1.05E-04	1.04E+01	1.04E+00	9.67E-05	1.04E+00	1.63E+01	2.37E-04	3.43E-04
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	0.5	2.47E-04	9.36E-04	1.28E-02	4.03E-05	2.60E+00	2.63E-05	2.60E+00	2.60E-01	2.42E-05	2.60E-01	4.07E+00	5.92E-05	8.57E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	0.5	4.94E-04	1.87E-03	2.57E-02	8.06E-05	5.20E+00	5.25E-05	5.20E+00	5.19E-01	4.84E-05	5.19E-01	8.15E+00	1.18E-04	1.71E-04
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	0.5	7.41E-04	2.81E-03	3.85E-02	1.21E-04	7.81E+00	7.88E-05	7.81E+00	7.79E-01	7.25E-05	7.79E-01	1.22E+01	1.78E-04	2.57E-04
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	0.5	4.94E-04	1.87E-03	2.57E-02	8.06E-05	5.20E+00	5.25E-05	5.20E+00	5.19E-01	4.84E-05	5.19E-01	8.15E+00	1.18E-04	1.71E-04
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	0.5	2.96E-04	1.12E-03	1.54E-02	4.84E-05	3.12E+00	3.15E-05	3.12E+00	3.12E-01	2.90E-05	3.12E-01	4.89E+00	7.11E-05	1.03E-04
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	0.5	3.46E-04	1.31E-03	1.80E-02	5.64E-05	3.64E+00	3.68E-05	3.64E+00	3.63E-01	3.38E-05	3.63E-01	5.70E+00	8.29E-05	1.20E-04
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	0.5	4.94E-04	1.87E-03	2.57E-02	8.06E-05	5.20E+00	5.25E-05	5.20E+00	5.19E-01	4.84E-05	5.19E-01	8.15E+00	1.18E-04	1.71E-04
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	0.5	2.47E-04	9.36E-04	1.28E-02	4.03E-05	2.60E+00	2.63E-05	2.60E+00	2.60E-01	2.42E-05	2.60E-01	4.07E+00	5.92E-05	8.57E-05
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	0.5	3.46E-04	1.31E-03	1.80E-02	5.64E-05	3.64E+00	3.68E-05	3.64E+00	3.63E-01	3.38E-05	3.63E-01	5.70E+00	8.29E-05	1.20E-04
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	0.5	8.55E-04	3.28E-03	4.69E-02	1.56E-04	1.04E+01	9.88E-05	1.04E+01	1.04E+00	9.10E-05	1.04E+00	1.58E+01	2.08E-04	3.14E-04
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	0.5	1.71E-04	6.55E-04	9.39E-03	3.12E-05	2.08E+00	1.98E-05	2.08E+00	2.08E-01	1.82E-05	2.08E-01	3.15E+00	4.16E-05	6.27E-05
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	0.5	1.71E-04	6.55E-04	9.39E-03	3.12E-05	2.08E+00	1.98E-05	2.08E+00	2.08E-01	1.82E-05	2.08E-01	3.15E+00	4.16E-05	6.27E-05
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	0.5	8.55E-04	3.28E-03	4.69E-02	1.56E-04	1.04E+01	9.88E-05	1.04E+01	1.04E+00	9.10E-05	1.04E+00	1.58E+01	2.08E-04	3.14E-04
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	0.5	4.27E-04	1.64E-03	2.35E-02	7.80E-05	5.20E+00	4.94E-05	5.20E+00	5.19E-01	4.55E-05	5.19E-01	7.89E+00	1.04E-04	1.57E-04
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	0.5	2.56E-04	9.83E-04	1.41E-02	4.68E-05	3.12E+00	2.96E-05	3.12E+00	3.12E-01	2.73E-05	3.12E-01	4.73E+00	6.24E-05	9.41E-05
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	0.5	4.27E-04	1.64E-03	2.35E-02	7.80E-05	5.20E+00	4.94E-05	5.20E+00	5.19E-01	4.55E-05	5.19E-01	7.89E+00	1.04E-04	1.57E-04
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	0.5	6.84E-04	2.62E-03	3.76E-02	1.25E-04	8.33E+00	7.90E-05	8.33E+00	8.31E-01	7.28E-05	8.31E-01	1.26E+01	1.66E-04	2.51E-04
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	0.5	2.56E-04	9.83E-04	1.41E-02	4.68E-05	3.12E+00	2.96E-05	3.12E+00	3.12E-01	2.73E-05	3.12E-01	4.73E+00	6.24E-05	9.41E-05
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	0.5	1.71E-04	6.55E-04	9.39E-03	3.12E-05	2.08E+00	1.98E-05	2.08E+00	2.08E-01	1.82E-05	2.08E-01	3.15E+00	4.16E-05	6.27E-05
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	0.5	7.53E-04	2.90E-03	4.35E-02	1.51E-04	1.04E+01	9.45E-05	1.04E+01	1.04E+00	8.70E-05	1.04E+00	1.53E+01	1.86E-04	2.90E-04
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	0.5	3.77E-04	1.45E-03	2.17E-02	7.57E-05	5.20E+00	4.73E-05	5.20E+00	5.19E-01	4.35E-05	5.19E-01	7.66E+00	9.28E-05	1.45E-04
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	0.5	3.77E-04	1.45E-03	2.17E-02	7.57E-05	5.20E+00	4.73E-05	5.20E+00	5.19E-01	4.35E-05	5.19E-01	7.66E+00	9.28E-05	1.45E-04
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	0.5	5.65E-04	2.17E-03	3.26E-02	1.14E-04	7.81E+00	7.09E-05	7.81E+00	7.79E-01	6.53E-05	7.79E-01	1.15E+01	1.39E-04	2.17E-04
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	0.5	3.77E-04	1.45E-03	2.17E-02	7.57E-05	5.20E+00	4.73E-05	5.20E+00	5.19E-01	4.35E-05	5.19E-01	7.66E+00	9.28E-05	1.45E-04
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	0.5	2.26E-04	8.69E-04	1.30E-02	4.54E-05	3.12E+00	2.84E-05	3.12E+00	3.12E-01	2.61E-05	3.12E-01	4.59E+00	5.57E-05	8.69E-05
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	0.5	2.64E-04	1.01E-03	1.52E-02	5.30E-05	3.64E+00	3.31E-05	3.64E+00	3.63E-01	3.05E-05	3.63E-01	5.36E+00	6.49E-05	1.01E-04
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	0.5	1.88E-04	7.24E-04	1.09E-02	3.79E-05	2.60E+00	2.36E-05	2.60E+00	2.60E-01	2.18E-05	2.60E-01	3.83E+00	4.64E-05	7.24E-05
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	0.5	3.77E-04	1.45E-03	2.17E-02	7.57E-05	5.20E+00	4.73E-05	5.20E+00	5.19E-01	4.35E-05	5.19E-01	7.66E+00	9.28E-05	1.45E-04
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	0.5	1.51E-04	5.80E-04	8.70E-03	3.03E-05	2.08E+00	1.89E-05	2.08E+00	2.08E-01	1.74E-05	2.08E-01	3.06E+00	3.71E-05	5.79E-05
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	0.5	2.64E-04	1.01E-03	1.52E-02	5.30E-05	3.64E+00	3.31E-05	3.64E+00	3.63E-01	3.05E-05	3.63E-01	5.36E+00	6.49E-05	1.01E-04

						Vendor Starting Evaporative Emission Factors												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission Factor (g/trip)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	25	15	1.14E-03	1.40E-02	7.10E-03	5.85E-07	0.00E+00	6.74E-07	6.74E-07	0.00E+00	6.20E-07	6.20E-07	5.91E-02	6.03E-05	4.26E-05
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	25	15	2.54E-04	3.11E-03	1.58E-03	1.30E-07	0.00E+00	1.50E-07	1.50E-07	0.00E+00	1.38E-07	1.38E-07	1.31E-02	1.34E-05	9.47E-06
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	25	15	3.17E-03	3.88E-02	1.97E-02	1.63E-06	0.00E+00	1.87E-06	1.87E-06	0.00E+00	1.72E-06	1.72E-06	1.64E-01	1.67E-04	1.18E-04
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	25	15	7.62E-04	9.32E-03	4.74E-03	3.90E-07	0.00E+00	4.49E-07	4.49E-07	0.00E+00	4.13E-07	4.13E-07	3.94E-02	4.02E-05	2.84E-05
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	25	15	2.54E-04	3.11E-03	1.58E-03	1.30E-07	0.00E+00	1.50E-07	1.50E-07	0.00E+00	1.38E-07	1.38E-07	1.31E-02	1.34E-05	9.47E-06
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	25	15	1.90E-03	2.33E-02	1.18E-02	9.75E-07	0.00E+00	1.12E-06	1.12E-06	0.00E+00	1.03E-06	1.03E-06	9.85E-02	1.00E-04	7.10E-05
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	25	15	7.62E-04	9.32E-03	4.74E-03	3.90E-07	0.00E+00	4.49E-07	4.49E-07	0.00E+00	4.13E-07	4.13E-07	3.94E-02	4.02E-05	2.84E-05
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	25	15	8.89E-04	1.09E-02	5.53E-03	4.55E-07	0.00E+00	5.24E-07	5.24E-07	0.00E+00	4.82E-07	4.82E-07	4.60E-02	4.69E-05	3.31E-05
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	25	15	7.62E-04	9.32E-03	4.74E-03	3.90E-07	0.00E+00	4.49E-07	4.49E-07	0.00E+00	4.13E-07	4.13E-07	3.94E-02	4.02E-05	2.84E-05
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	25	15	5.08E-04	6.22E-03	3.16E-03	2.60E-07	0.00E+00	3.00E-07	3.00E-07	0.00E+00	2.75E-07	2.75E-07	2.63E-02	2.68E-05	1.89E-05
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	25	15	1.07E-03	1.51E-02	6.67E-03	5.67E-07	0.00E+00	6.33E-07	6.33E-07	0.00E+00	5.82E-07	5.82E-07	5.73E-02	5.76E-05	4.22E-05
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	25	15	2.38E-04	3.36E-03	1.48E-03	1.26E-07	0.00E+00	1.41E-07	1.41E-07	0.00E+00	1.29E-07	1.29E-07	1.27E-02	1.28E-05	9.38E-06
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	25	15	2.98E-03	4.20E-02	1.85E-02	1.58E-06	0.00E+00	1.76E-06	1.76E-06	0.00E+00	1.62E-06	1.62E-06	1.59E-01	1.60E-04	1.17E-04
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	25	15	2.38E-04	3.36E-03	1.48E-03	1.26E-07	0.00E+00	1.41E-07	1.41E-07	0.00E+00	1.29E-07	1.29E-07	1.27E-02	1.28E-05	9.38E-06
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	25	15	2.38E-04	3.36E-03	1.48E-03	1.26E-07	0.00E+00	1.41E-07	1.41E-07	0.00E+00	1.29E-07	1.29E-07	1.27E-02	1.28E-05	9.38E-06
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	25	15	7.15E-04	1.01E-02	4.44E-03	3.78E-07	0.00E+00	4.22E-07	4.22E-07	0.00E+00	3.88E-07	3.88E-07	3.82E-02	3.84E-05	2.81E-05
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	25	15	8.34E-04	1.18E-02	5.19E-03	4.41E-07	0.00E+00	4.92E-07	4.92E-07	0.00E+00	4.53E-07	4.53E-07	4.46E-02	4.48E-05	3.28E-05
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	25	15	7.15E-04	1.01E-02	4.44E-03	3.78E-07	0.00E+00	4.22E-07	4.22E-07	0.00E+00	3.88E-07	3.88E-07	3.82E-02	3.84E-05	2.81E-05
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	25	15	4.77E-04	6.72E-03	2.96E-03	2.52E-07	0.00E+00	2.81E-07	2.81E-07	0.00E+00	2.59E-07	2.59E-07	2.55E-02	2.56E-05	1.88E-05
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	25	15	7.15E-04	1.01E-02	4.44E-03	3.78E-07	0.00E+00	4.22E-07	4.22E-07	0.00E+00	3.88E-07	3.88E-07	3.82E-02	3.84E-05	2.81E-05
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	25	15	1.36E-03	2.27E-02	8.44E-03	7.42E-07	0.00E+00	8.10E-07	8.10E-07	0.00E+00	7.45E-07	7.45E-07	7.50E-02	7.43E-05	5.63E-05
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	25	15	5.10E-04	8.49E-03	3.16E-03	2.78E-07	0.00E+00	3.04E-07	3.04E-07	0.00E+00	2.79E-07	2.79E-07	2.81E-02	2.79E-05	2.11E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	25	15	1.64E-03	2.74E-02	1.02E-02	8.96E-07	0.00E+00	9.79E-07	9.79E-07	0.00E+00	9.00E-07	9.00E-07	9.06E-02	8.98E-05	6.80E-05
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	25	15	9.64E-04	1.60E-02	5.98E-03	5.26E-07	0.00E+00	5.74E-07	5.74E-07	0.00E+00	5.28E-07	5.28E-07	5.31E-02	5.26E-05	3.99E-05
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	25	15	1.70E-03	2.83E-02	1.05E-02	9.27E-07	0.00E+00	1.01E-06	1.01E-06	0.00E+00	9.31E-07	9.31E-07	9.37E-02	9.29E-05	7.04E-05
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	25	15	6.80E-04	1.13E-02	4.22E-03	3.71E-07	0.00E+00	4.05E-07	4.05E-07	0.00E+00	3.73E-07	3.73E-07	3.75E-02	3.71E-05	2.81E-05
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	25	15	5.10E-04	8.49E-03	3.16E-03	2.78E-07	0.00E+00	3.04E-07	3.04E-07	0.00E+00	2.79E-07	2.79E-07	2.81E-02	2.79E-05	2.11E-05
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	25	15	1.76E-03	2.93E-02	1.09E-02	9.58E-07	0.00E+00	1.05E-06	1.05E-06	0.00E+00	9.62E-07	9.62E-07	9.68E-02	9.60E-05	7.27E-05
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	25	15	5.67E-04	9.44E-03	3.51E-03	3.09E-07	0.00E+00	3.38E-07	3.38E-07	0.00E+00	3.10E-07	3.10E-07	3.12E-02	3.10E-05	2.35E-05
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	25	15	6.80E-04	1.13E-02	4.22E-03	3.71E-07	0.00E+00	4.05E-07	4.05E-07	0.00E+00	3.73E-07	3.73E-07	3.75E-02	3.71E-05	2.81E-05
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	25	15	1.64E-03	3.31E-02	1.02E-02	9.22E-07	0.00E+00	9.95E-07	9.95E-07	0.00E+00	9.15E-07	9.15E-07	9.31E-02	9.10E-05	7.13E-05
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	25	15	7.68E-04	1.54E-02	4.74E-03	4.30E-07	0.00E+00	4.64E-07	4.64E-07	0.00E+00	4.27E-07	4.27E-07	4.35E-02	4.25E-05	3.33E-05
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	25	15	4.39E-04	8.81E-03	2.71E-03	2.46E-07	0.00E+00	2.65E-07	2.65E-07	0.00E+00	2.44E-07	2.44E-07	2.48E-02	2.43E-05	1.90E-05
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	25	15	1.64E-03	3.31E-02	1.02E-02	9.22E-07	0.00E+00	9.95E-07	9.95E-07	0.00E+00	9.15E-07	9.15E-07	9.31E-02	9.10E-05	7.13E-05
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	25	15	1.64E-03	3.31E-02	1.02E-02	9.22E-07	0.00E+00	9.95E-07	9.95E-07	0.00E+00	9.15E-07	9.15E-07	9.31E-02	9.10E-05	7.13E-05
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	25	15	6.58E-04	1.32E-02	4.07E-03	3.69E-07	0.00E+00	3.98E-07	3.98E-07	0.00E+00	3.66E-07	3.66E-07	3.73E-02	3.64E-05	2.85E-05
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	25	15	2.19E-04	4.41E-03	1.36E-03	1.23E-07	0.00E+00	1.33E-07	1.33E-07	0.00E+00	1.22E-07	1.22E-07	1.24E-02	1.21E-05	9.50E-06
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	25	15	2.74E-03	5.51E-02	1.69E-02	1.54E-06	0.00E+00	1.66E-06	1.66E-06	0.00E+00	1.52E-06	1.52E-06	1.55E-01	1.52E-04	1.19E-04
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	25	15	6.58E-04	1.32E-02	4.07E-03	3.69E-07	0.00E+00	3.98E-07	3.98E-07	0.00E+00	3.66E-07	3.66E-07	3.73E-02	3.64E-05	2.85E-05
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	25	15	6.58E-04	1.32E-02	4.07E-03	3.69E-07	0.00E+00	3.98E-07	3.98E-07	0.00E+00	3.66E-07	3.66E-07	3.73E-02	3.64E-05	2.85E-05
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	25	15	1.18E-03	2.54E-02	7.23E-03	6.74E-07	0.00E+00	7.26E-07	7.26E-07	0.00E+00	6.68E-07	6.68E-07	6.81E-02	6.58E-05	5.31E-05
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	25	15	1.48E-03	3.21E-02	9.12E-03	8.49E-07	0.00E+00	9.16E-07	9.16E-07	0.00E+00	8.42E-07	8.42E-07	8.58E-02	8.30E-05	6.69E-05
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	25	15	1.48E-03	3.21E-02	9.12E-03	8.49E-07	0.00E+00	9.16E-07	9.16E-07	0.00E+00	8.42E-07	8.42E-07	8.58E-02	8.30E-05	6.69E-05
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	25	15	8.70E-04	1.88E-02	5.35E-03	4.98E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.03E-02	4.87E-05	3.92E-05
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	25	15	1.54E-03	3.32E-02	9.44E-03	8.79E-07	0.00E+00	9.47E-07	9.47E-07	0.00E+00	8.71E-07	8.71E-07	8.88E-02	8.59E-05	6.92E-05
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	25	15	6.14E-04	1.33E-02	3.77E-03	3.51E-07	0.00E+00	3.79E-07	3.79E-07	0.00E+00	3.48E-07	3.48E-07	3.55E-02	3.43E-05	2.77E-05
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	25	15	4.61E-04	9.96E-03	2.83E-03	2.64E-07	0.00E+00	2.84E-07	2.84E-07	0.00E+00	2.61E-07	2.61E-07	2.66E-02	2.58E-05	2.08E-05
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	25	15	2.05E-04	4.42E-03	1.26E-03	1.17E-07	0.00E+00	1.26E-07	1.26E-07	0.00E+00	1.16E-07	1.16E-07	1.18E-02	1.14E-05	9.23E-06
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	25	15	1.59E-03	3.43E-02	9.75E-03	9.08E-07	0.00E+00	9.79E-07	9.79E-07	0.00E+00	9.00E-07	9.00E-07	9.18E-02	8.87E-05	7.15E-05
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	25	15	5.63E-04	1.22E-02	3.46E-03	3.22E-07	0.00E+00	3.47E-07	3.47E-07	0.00E+00	3.19E-07	3.19E-07	3.26E-02	3.15E-05	2.54E-05
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	25	15	6.14E-04	1.33E-02	3.77E-03	3.51E-07	0.00E+00	3.79E-07	3.79E-07	0.00E+00	3.48E-07	3.48E-07	3.55E-02	3.43E-05	2.77E-05

							Haul Running Emission Factors												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission Factor (g/trip)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	25	1.39E-05	1.29E-02	6.10E-05	5.78E-09	0.00E+00	1.40E-08	1.40E-08	0.00E+00	1.29E-08	1.29E-08	5.84E-04	3.05E-09	2.65E-07
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	25	2.12E-07	1.96E-04	9.30E-07	8.82E-11	0.00E+00	2.13E-10	2.13E-10	0.00E+00	1.97E-10	1.97E-10	8.91E-06	4.66E-11	4.05E-09
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	25	5.09E-05	4.73E-02	2.24E-04	2.12E-08	0.00E+00	5.12E-08	5.12E-08	0.00E+00	4.74E-08	4.74E-08	2.14E-03	1.12E-08	9.74E-07
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	25	6.11E-05	5.68E-02	2.69E-04	2.55E-08	0.00E+00	6.15E-08	6.15E-08	0.00E+00	5.69E-08	5.69E-08	2.57E-03	1.34E-08	1.17E-06
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	25	1.78E-05	1.66E-02	7.84E-05	7.43E-09	0.00E+00	1.79E-08	1.79E-08	0.00E+00	1.66E-08	1.66E-08	7.51E-04	3.92E-09	3.41E-07
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	25	4.07E-05	3.78E-02	1.79E-04	1.70E-08	0.00E+00	4.10E-08	4.10E-08	0.00E+00	3.79E-08	3.79E-08	1.72E-03	8.97E-09	7.79E-07
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	25	4.30E-06	3.99E-03	1.89E-05	1.79E-09	0.00E+00	4.32E-09	4.32E-09	0.00E+00	4.00E-09	4.00E-09	1.81E-04	9.45E-10	8.22E-08
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	25	5.08E-06	4.71E-03	2.23E-05	2.12E-09	0.00E+00	5.11E-09	5.11E-09	0.00E+00	4.72E-09	4.72E-09	2.14E-04	1.12E-09	9.71E-08
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	25	1.10E-05	1.38E-02	5.75E-05	5.07E-09	0.00E+00	9.96E-09	9.96E-09	0.00E+00	9.16E-09	9.16E-09	5.12E-04	3.05E-09	2.15E-07
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	25	3.34E-07	4.22E-04	1.75E-06	1.55E-10	0.00E+00	3.04E-10	3.04E-10	0.00E+00	2.79E-10	2.79E-10	1.56E-05	9.31E-11	6.54E-09
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	25	4.02E-05	5.08E-02	2.11E-04	1.86E-08	0.00E+00	3.66E-08	3.66E-08	0.00E+00	3.36E-08	3.36E-08	1.88E-03	1.12E-08	7.88E-07
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	25	4.83E-05	6.10E-02	2.53E-04	2.23E-08	0.00E+00	4.39E-08	4.39E-08	0.00E+00	4.04E-08	4.04E-08	2.26E-03	1.35E-08	9.45E-07
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	25	4.83E-05	6.10E-02	2.53E-04	2.23E-08	0.00E+00	4.39E-08	4.39E-08	0.00E+00	4.04E-08	4.04E-08	2.26E-03	1.35E-08	9.45E-07
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	25	3.22E-05	4.06E-02	1.69E-04	1.49E-08	0.00E+00	2.93E-08	2.93E-08	0.00E+00	2.69E-08	2.69E-08	1.50E-03	8.97E-09	6.30E-07
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	25	4.01E-06	5.06E-03	2.11E-05	1.86E-09	0.00E+00	3.65E-09	3.65E-09	0.00E+00	3.35E-09	3.35E-09	1.87E-04	1.12E-09	7.85E-08
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	25	3.39E-06	4.29E-03	1.78E-05	1.57E-09	0.00E+00	3.08E-09	3.08E-09	0.00E+00	2.84E-09	2.84E-09	1.59E-04	9.46E-10	6.64E-08
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	25	1.57E-05	2.64E-02	8.96E-05	8.02E-09	0.00E+00	1.45E-08	1.45E-08	0.00E+00	1.33E-08	1.33E-08	8.10E-04	5.28E-09	2.66E-07
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	25	1.38E-07	2.33E-04	7.91E-07	7.08E-11	0.00E+00	1.28E-10	1.28E-10	0.00E+00	1.18E-10	1.18E-10	7.15E-06	4.67E-11	2.34E-09
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	25	1.83E-05	3.08E-02	1.05E-04	9.37E-09	0.00E+00	1.69E-08	1.69E-08	0.00E+00	1.56E-08	1.56E-08	9.47E-04	6.18E-09	3.10E-07
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	25	3.11E-05	5.24E-02	1.78E-04	1.59E-08	0.00E+00	2.88E-08	2.88E-08	0.00E+00	2.65E-08	2.65E-08	1.61E-03	1.05E-08	5.27E-07
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	25	1.17E-05	1.96E-02	6.67E-05	5.96E-09	0.00E+00	1.08E-08	1.08E-08	0.00E+00	9.91E-09	9.91E-09	6.03E-04	3.93E-09	1.98E-07
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	25	1.36E-05	2.29E-02	7.78E-05	6.96E-09	0.00E+00	1.26E-08	1.26E-08	0.00E+00	1.16E-08	1.16E-08	7.03E-04	4.59E-09	2.31E-07
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	25	2.00E-05	3.36E-02	1.14E-04	1.02E-08	0.00E+00	1.85E-08	1.85E-08	0.00E+00	1.70E-08	1.70E-08	1.03E-03	6.74E-09	3.39E-07
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	25	1.67E-05	2.80E-02	9.52E-05	8.52E-09	0.00E+00	1.54E-08	1.54E-08	0.00E+00	1.42E-08	1.42E-08	8.61E-04	5.62E-09	2.82E-07
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	25	1.50E-05	2.52E-02	8.57E-05	7.66E-09	0.00E+00	1.39E-08	1.39E-08	0.00E+00	1.27E-08	1.27E-08	7.75E-04	5.05E-09	2.54E-07
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	25	1.40E-06	2.36E-03	8.03E-06	7.19E-10	0.00E+00	1.30E-09	1.30E-09	0.00E+00	1.19E-09	1.19E-09	7.26E-05	4.74E-10	2.38E-08
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	25	1.81E-05	4.23E-02	1.27E-04	1.08E-08	0.00E+00	1.76E-08	1.76E-08	0.00E+00	1.62E-08	1.62E-08	1.09E-03	7.50E-09	3.19E-07
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	25	2.70E-06	6.31E-03	1.89E-05	1.61E-09	0.00E+00	2.62E-09	2.62E-09	0.00E+00	2.41E-09	2.41E-09	1.62E-04	1.12E-09	4.76E-08
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	25	1.81E-05	4.23E-02	1.27E-04	1.08E-08	0.00E+00	1.76E-08	1.76E-08	0.00E+00	1.62E-08	1.62E-08	1.09E-03	7.50E-09	3.19E-07
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	25	9.49E-06	2.22E-02	6.65E-05	5.64E-09	0.00E+00	9.20E-09	9.20E-09	0.00E+00	8.46E-09	8.46E-09	5.70E-04	3.93E-09	1.67E-07
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	25	4.51E-07	1.05E-03	3.15E-06	2.68E-10	0.00E+00	4.37E-10	4.37E-10	0.00E+00	4.02E-10	4.02E-10	2.70E-05	1.86E-10	7.94E-09
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	25	3.26E-05	7.60E-02	2.28E-04	1.93E-08	0.00E+00	3.16E-08	3.16E-08	0.00E+00	2.90E-08	2.90E-08	1.95E-03	1.35E-08	5.73E-07
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	25	2.71E-05	6.33E-02	1.90E-04	1.61E-08	0.00E+00	2.63E-08	2.63E-08	0.00E+00	2.42E-08	2.42E-08	1.63E-03	1.12E-08	4.78E-07
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	25	2.17E-05	5.07E-02	1.52E-04	1.29E-08	0.00E+00	2.10E-08	2.10E-08	0.00E+00	1.93E-08	1.93E-08	1.30E-03	8.97E-09	3.82E-07
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	25	9.59E-06	2.64E-02	7.31E-05	6.30E-09	0.00E+00	9.70E-09	9.70E-09	0.00E+00	8.92E-09	8.92E-09	6.36E-04	4.22E-09	1.59E-07
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	25	1.25E-05	3.45E-02	9.55E-05	8.23E-09	0.00E+00	1.27E-08	1.27E-08	0.00E+00	1.17E-08	1.17E-08	8.31E-04	5.51E-09	2.08E-07
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	25	1.25E-05	3.45E-02	9.55E-05	8.23E-09	0.00E+00	1.27E-08	1.27E-08	0.00E+00	1.17E-08	1.17E-08	8.31E-04	5.51E-09	2.08E-07
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	25	2.13E-05	5.87E-02	1.62E-04	1.40E-08	0.00E+00	2.15E-08	2.15E-08	0.00E+00	1.98E-08	1.98E-08	1.41E-03	9.37E-09	3.54E-07
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	25	7.98E-06	2.20E-02	6.08E-05	5.24E-09	0.00E+00	8.07E-09	8.07E-09	0.00E+00	7.42E-09	7.42E-09	5.29E-04	3.51E-09	1.32E-07
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	25	9.31E-06	2.57E-02	7.09E-05	6.11E-09	0.00E+00	9.41E-09	9.41E-09	0.00E+00	8.65E-09	8.65E-09	6.17E-04	4.10E-09	1.55E-07
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	25	1.37E-05	3.77E-02	1.04E-04	8.98E-09	0.00E+00	1.38E-08	1.38E-08	0.00E+00	1.27E-08	1.27E-08	9.07E-04	6.02E-09	2.27E-07
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	25	5.13E-06	1.41E-02	3.91E-05	3.37E-09	0.00E+00	5.19E-09	5.19E-09	0.00E+00	4.77E-09	4.77E-09	3.40E-04	2.26E-09	8.52E-08
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	25	1.14E-05	3.14E-02	8.68E-05	7.48E-09	0.00E+00	1.15E-08	1.15E-08	0.00E+00	1.06E-08	1.06E-08	7.56E-04	5.02E-09	1.89E-07
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	25	1.14E-06	3.13E-03	8.65E-06	7.46E-10	0.00E+00	1.15E-09	1.15E-09	0.00E+00	1.06E-09	1.06E-09	7.53E-05	5.00E-10	1.89E-08
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	25	9.61E-07	2.65E-03	7.32E-06	6.31E-10	0.00E+00	9.72E-10	9.72E-10	0.00E+00	8.94E-10	8.94E-10	6.38E-05	4.23E-10	1.60E-08

							Haul Running Emission Factors												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission Factor (g/mile)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	25	3.80E-02	2.35E+00	2.25E-01	1.31E-02	3.96E-01	2.31E-02	4.19E-01	1.09E-01	2.21E-02	1.31E-01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	25	3.80E-02	2.35E+00	2.25E-01	1.31E-02	3.96E-01	2.31E-02	4.19E-01	1.09E-01	2.21E-02	1.31E-01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	25	3.80E-02	2.35E+00	2.25E-01	1.31E-02	3.96E-01	2.31E-02	4.19E-01	1.09E-01	2.21E-02	1.31E-01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	25	3.80E-02	2.35E+00	2.25E-01	1.31E-02	3.96E-01	2.31E-02	4.19E-01	1.09E-01	2.21E-02	1.31E-01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	25	3.80E-02	2.35E+00	2.25E-01	1.31E-02	3.96E-01	2.31E-02	4.19E-01	1.09E-01	2.21E-02	1.31E-01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	25	3.80E-02	2.35E+00	2.25E-01	1.31E-02	3.96E-01	2.31E-02	4.19E-01	1.09E-01	2.21E-02	1.31E-01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	25	3.80E-02	2.35E+00	2.25E-01	1.31E-02	3.96E-01	2.31E-02	4.19E-01	1.09E-01	2.21E-02	1.31E-01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	25	3.80E-02	2.35E+00	2.25E-01	1.31E-02	3.96E-01	2.31E-02	4.19E-01	1.09E-01	2.21E-02	1.31E-01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	25	3.80E-02	2.35E+00	2.25E-01	1.31E-02	3.96E-01	2.31E-02	4.19E-01	1.09E-01	2.21E-02	1.31E-01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	25	3.80E-02	2.35E+00	2.25E-01	1.31E-02	3.96E-01	2.31E-02	4.19E-01	1.09E-01	2.21E-02	1.31E-01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	25	3.80E-02	2.35E+00	2.25E-01	1.31E-02	3.96E-01	2.31E-02	4.19E-01	1.09E-01	2.21E-02	1.31E-01	1.39E+03	1.77E-03	2.19E-01
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	25	3.66E-02	2.36E+00	2.26E-01	1.30E-02	3.96E-01	2.32E-02	4.20E-01	1.09E-01	2.22E-02	1.31E-01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	25	3.66E-02	2.36E+00	2.26E-01	1.30E-02	3.96E-01	2.32E-02	4.20E-01	1.09E-01	2.22E-02	1.31E-01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	25	3.66E-02	2.36E+00	2.26E-01	1.30E-02	3.96E-01	2.32E-02	4.20E-01	1.09E-01	2.22E-02	1.31E-01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	25	3.66E-02	2.36E+00	2.26E-01	1.30E-02	3.96E-01	2.32E-02	4.20E-01	1.09E-01	2.22E-02	1.31E-01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	25	3.66E-02	2.36E+00	2.26E-01	1.30E-02	3.96E-01	2.32E-02	4.20E-01	1.09E-01	2.22E-02	1.31E-01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	25	3.66E-02	2.36E+00	2.26E-01	1.30E-02	3.96E-01	2.32E-02	4.20E-01	1.09E-01	2.22E-02	1.31E-01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	25	3.66E-02	2.36E+00	2.26E-01	1.30E-02	3.96E-01	2.32E-02	4.20E-01	1.09E-01	2.22E-02	1.31E-01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	25	3.66E-02	2.36E+00	2.26E-01	1.30E-02	3.96E-01	2.32E-02	4.20E-01	1.09E-01	2.22E-02	1.31E-01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	25	3.66E-02	2.36E+00	2.26E-01	1.30E-02	3.96E-01	2.32E-02	4.20E-01	1.09E-01	2.22E-02	1.31E-01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	25	3.66E-02	2.36E+00	2.26E-01	1.30E-02	3.96E-01	2.32E-02	4.20E-01	1.09E-01	2.22E-02	1.31E-01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	25	3.66E-02	2.36E+00	2.26E-01	1.30E-02	3.96E-01	2.32E-02	4.20E-01	1.09E-01	2.22E-02	1.31E-01	1.37E+03	1.70E-03	2.16E-01
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	25	3.47E-02	2.39E+00	2.24E-01	1.27E-02	3.96E-01	2.30E-02	4.19E-01	1.09E-01	2.20E-02	1.31E-01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	25	3.47E-02	2.39E+00	2.24E-01	1.27E-02	3.96E-01	2.30E-02	4.19E-01	1.09E-01	2.20E-02	1.31E-01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	25	3.47E-02	2.39E+00	2.24E-01	1.27E-02	3.96E-01	2.30E-02	4.19E-01	1.09E-01	2.20E-02	1.31E-01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	25	3.47E-02	2.39E+00	2.24E-01	1.27E-02	3.96E-01	2.30E-02	4.19E-01	1.09E-01	2.20E-02	1.31E-01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	25	3.47E-02	2.39E+00	2.24E-01	1.27E-02	3.96E-01	2.30E-02	4.19E-01	1.09E-01	2.20E-02	1.31E-01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	25	3.47E-02	2.39E+00	2.24E-01	1.27E-02	3.96E-01	2.30E-02	4.19E-01	1.09E-01	2.20E-02	1.31E-01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	25	3.47E-02	2.39E+00	2.24E-01	1.27E-02	3.96E-01	2.30E-02	4.19E-01	1.09E-01	2.20E-02	1.31E-01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	25	3.47E-02	2.39E+00	2.24E-01	1.27E-02	3.96E-01	2.30E-02	4.19E-01	1.09E-01	2.20E-02	1.31E-01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	25	3.47E-02	2.39E+00	2.24E-01	1.27E-02	3.96E-01	2.30E-02	4.19E-01	1.09E-01	2.20E-02	1.31E-01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	25	3.47E-02	2.39E+00	2.24E-01	1.27E-02	3.96E-01	2.30E-02	4.19E-01	1.09E-01	2.20E-02	1.31E-01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	25	3.47E-02	2.39E+00	2.24E-01	1.27E-02	3.96E-01	2.30E-02	4.19E-01	1.09E-01	2.20E-02	1.31E-01	1.35E+03	1.61E-03	2.12E-01
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	25	1.82E-02	2.47E+00	1.93E-01	1.23E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	25	1.82E-02	2.47E+00	1.93E-01	1.23E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	25	1.82E-02	2.47E+00	1.93E-01	1.23E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	25	1.82E-02	2.47E+00	1.93E-01	1.23E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	25	1.82E-02	2.47E+00	1.93E-01	1.23E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	25	1.82E-02	2.47E+00	1.93E-01	1.23E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	25	1.82E-02	2.47E+00	1.93E-01	1.23E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	25	1.82E-02	2.47E+00	1.93E-01	1.23E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	25	1.82E-02	2.47E+00	1.93E-01	1.23E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	25	1.82E-02	2.47E+00	1.93E-01	1.23E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	25	1.82E-02	2.47E+00	1.93E-01	1.23E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	25	1.82E-02	2.47E+00	1.93E-01	1.23E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.30E+03	8.46E-04	2.05E-01
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	25	1.85E-02	2.47E+00	1.97E-01	1.22E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	25	1.85E-02	2.47E+00	1.97E-01	1.22E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	25	1.85E-02	2.47E+00	1.97E-01	1.22E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	25	1.85E-02	2.47E+00	1.97E-01	1.22E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	25	1.85E-02	2.47E+00	1.97E-01	1.22E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	25	1.85E-02	2.47E+00	1.97E-01	1.22E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	25	1.85E-02	2.47E+00	1.97E-01	1.22E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	25	1.85E-02	2.47E+00	1.97E-01	1.22E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	25	1.85E-02	2.47E+00	1.97E-01	1.22E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	25	1.85E-02	2.47E+00	1.97E-01	1.22E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	25	1.85E-02	2.47E+00	1.97E-01	1.22E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	25	1.85E-02	2.47E+00	1.97E-01	1.22E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.29E+03	8.57E-04	2.02E-01

							Daily Emissions												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	25	1.36E-02	8.42E-01	8.07E-02	4.71E-03	1.42E-01	8.27E-03	1.50E-01	3.90E-02	7.91E-03	4.69E-02	4.99E+02	6.33E-04	7.84E-02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	25	2.08E-04	1.28E-02	1.23E-03	7.19E-05	2.17E-03	1.26E-04	2.29E-03	5.94E-04	1.21E-04	7.15E-04	7.61E+00	9.66E-06	1.20E-03
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	25	5.01E-02	3.09E+00	2.96E-01	1.73E-02	5.22E-01	3.04E-02	5.52E-01	1.43E-01	2.90E-02	1.72E-01	1.83E+03	2.33E-03	2.88E-01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	25	6.01E-02	3.71E+00	3.55E-01	2.08E-02	6.26E-01	3.64E-02	6.63E-01	1.72E-01	3.49E-02	2.07E-01	2.20E+03	2.79E-03	3.45E-01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	25	1.75E-02	1.08E+00	1.04E-01	6.06E-03	1.83E-01	1.06E-02	1.93E-01	5.01E-02	1.02E-02	6.02E-02	6.41E+02	8.14E-04	1.01E-01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	25	4.00E-02	2.47E+00	2.37E-01	1.38E-02	4.18E-01	2.43E-02	4.42E-01	1.14E-01	2.32E-02	1.38E-01	1.47E+03	1.86E-03	2.30E-01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	25	4.22E-03	2.61E-01	2.50E-02	1.46E-03	4.40E-02	2.56E-03	4.66E-02	1.21E-02	2.45E-03	1.45E-02	1.54E+02	1.96E-04	2.43E-02
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	25	4.99E-03	3.08E-01	2.95E-02	1.72E-03	5.20E-02	3.03E-03	5.51E-02	1.43E-02	2.90E-03	1.72E-02	1.83E+02	2.32E-04	2.87E-02
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	25	1.32E-02	8.50E-01	8.13E-02	4.66E-03	1.43E-01	8.35E-03	1.51E-01	3.91E-02	7.99E-03	4.71E-02	4.94E+02	6.13E-04	7.76E-02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	25	4.02E-04	2.59E-02	2.48E-03	1.42E-04	4.35E-03	2.55E-04	4.61E-03	1.19E-03	2.44E-04	1.44E-03	1.51E+01	1.87E-05	2.37E-03
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	25	4.84E-02	3.12E+00	2.99E-01	1.71E-02	5.24E-01	3.06E-02	5.55E-01	1.44E-01	2.93E-02	1.73E-01	1.81E+03	2.25E-03	2.85E-01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	25	5.81E-02	3.75E+00	3.58E-01	2.06E-02	6.29E-01	3.68E-02	6.66E-01	1.72E-01	3.52E-02	2.07E-01	2.18E+03	2.70E-03	3.42E-01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	25	5.81E-02	3.75E+00	3.58E-01	2.06E-02	6.29E-01	3.68E-02	6.66E-01	1.72E-01	3.52E-02	2.07E-01	2.18E+03	2.70E-03	3.42E-01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	25	3.88E-02	2.50E+00	2.39E-01	1.37E-02	4.19E-01	2.45E-02	4.44E-01	1.15E-01	2.35E-02	1.38E-01	1.45E+03	1.80E-03	2.28E-01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	25	4.83E-03	3.11E-01	2.98E-02	1.71E-03	5.22E-02	3.05E-03	5.53E-02	1.43E-02	2.92E-03	1.72E-02	1.81E+02	2.24E-04	2.84E-02
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	25	4.09E-03	2.63E-01	2.52E-02	1.44E-03	4.42E-02	2.58E-03	4.68E-02	1.21E-02	2.47E-03	1.46E-02	1.53E+02	1.90E-04	2.40E-02
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	25	2.16E-02	1.49E+00	1.40E-01	7.94E-03	2.47E-01	1.44E-02	2.62E-01	6.78E-02	1.37E-02	8.15E-02	8.41E+02	1.00E-03	1.32E-01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	25	1.91E-04	1.32E-02	1.23E-03	7.01E-05	2.18E-03	1.27E-04	2.31E-03	5.98E-04	1.21E-04	7.20E-04	7.42E+00	8.87E-06	1.17E-03
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	25	2.53E-02	1.74E+00	1.63E-01	9.28E-03	2.89E-01	1.68E-02	3.06E-01	7.92E-02	1.61E-02	9.53E-02	9.83E+02	1.17E-03	1.54E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	25	4.30E-02	2.96E+00	2.77E-01	1.58E-02	4.91E-01	2.85E-02	5.20E-01	1.35E-01	2.73E-02	1.62E-01	1.67E+03	2.00E-03	2.62E-01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	25	1.61E-02	1.11E+00	1.04E-01	5.91E-03	1.84E-01	1.07E-02	1.95E-01	5.04E-02	1.02E-02	6.07E-02	6.25E+02	7.48E-04	9.83E-02
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	25	1.88E-02	1.29E+00	1.21E-01	6.89E-03	2.15E-01	1.25E-02	2.27E-01	5.88E-02	1.19E-02	7.08E-02	7.30E+02	8.72E-04	1.15E-01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	25	2.76E-02	1.90E+00	1.78E-01	1.01E-02	3.15E-01	1.83E-02	3.34E-01	8.64E-02	1.75E-02	1.04E-01	1.07E+03	1.28E-03	1.69E-01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	25	2.30E-02	1.58E+00	1.48E-01	8.44E-03	2.63E-01	1.53E-02	2.78E-01	7.20E-02	1.46E-02	8.66E-02	8.94E+02	1.07E-03	1.40E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	25	2.07E-02	1.42E+00	1.33E-01	7.59E-03	2.37E-01	1.37E-02	2.50E-01	6.48E-02	1.31E-02	7.80E-02	8.04E+02	9.61E-04	1.26E-01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	25	1.94E-03	1.34E-01	1.25E-02	7.12E-04	2.22E-02	1.29E-03	2.35E-02	6.08E-03	1.23E-03	7.31E-03	7.54E+01	9.01E-05	1.18E-02
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	25	1.62E-02	2.19E+00	1.71E-01	1.09E-02	3.51E-01	1.79E-02	3.69E-01	9.63E-02	1.71E-02	1.13E-01	1.16E+03	7.50E-04	1.82E-01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	25	2.41E-03	3.26E-01	2.55E-02	1.63E-03	5.24E-02	2.67E-03	5.51E-02	1.44E-02	2.55E-03	1.69E-02	1.72E+02	1.12E-04	2.71E-02
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	25	1.62E-02	2.19E+00	1.71E-01	1.09E-02	3.51E-01	1.79E-02	3.69E-01	9.63E-02	1.71E-02	1.13E-01	1.16E+03	7.50E-04	1.82E-01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	25	8.46E-03	1.15E+00	8.95E-02	5.72E-03	1.84E-01	9.36E-03	1.93E-01	5.04E-02	8.96E-03	5.94E-02	6.05E+02	3.93E-04	9.52E-02
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	25	4.02E-04	5.44E-02	4.25E-03	2.72E-04	8.73E-03	4.44E-04	9.18E-03	2.39E-03	4.25E-04	2.82E-03	2.87E+01	1.86E-05	4.52E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	25	2.90E-02	3.93E+00	3.07E-01	1.96E-02	6.31E-01	3.21E-02	6.63E-01	1.73E-01	3.07E-02	2.04E-01	2.08E+03	1.35E-03	3.26E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	25	2.42E-02	3.27E+00	2.56E-01	1.63E-02	5.26E-01	2.67E-02	5.52E-01	1.44E-01	2.56E-02	1.70E-01	1.73E+03	1.12E-03	2.72E-01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	25	1.93E-02	2.62E+00	2.05E-01	1.31E-02	4.21E-01	2.14E-02	4.42E-01	1.15E-01	2.05E-02	1.36E-01	1.38E+03	8.98E-04	2.18E-01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	25	1.02E-02	1.37E+00	1.09E-01	6.74E-03	2.20E-01	1.12E-02	2.31E-01	6.02E-02	1.07E-02	7.09E-02	7.13E+02	4.75E-04	1.12E-01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	25	1.34E-02	1.79E+00	1.43E-01	8.80E-03	2.87E-01	1.47E-02	3.02E-01	7.86E-02	1.40E-02	9.26E-02	9.32E+02	6.21E-04	1.46E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	25	1.34E-02	1.79E+00	1.43E-01	8.80E-03	2.87E-01	1.47E-02	3.02E-01	7.86E-02	1.40E-02	9.26E-02	9.32E+02	6.21E-04	1.46E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	25	2.27E-02	3.03E+00	2.43E-01	1.50E-02	4.87E-01	2.49E-02	5.12E-01	1.34E-01	2.38E-02	1.57E-01	1.58E+03	1.05E-03	2.49E-01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	25	8.50E-03	1.14E+00	9.10E-02	5.60E-03	1.83E-01	9.33E-03	1.92E-01	5.00E-02	8.93E-03	5.90E-02	5.93E+02	3.95E-04	9.32E-02
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	25	9.92E-03	1.33E+00	1.06E-01	6.54E-03	2.13E-01	1.09E-02	2.24E-01	5.84E-02	1.04E-02	6.88E-02	6.92E+02	4.61E-04	1.09E-01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	25	1.46E-02	1.95E+00	1.56E-01	9.61E-03	3.13E-01	1.60E-02	3.29E-01	8.58E-02	1.53E-02	1.01E-01	1.02E+03	6.77E-04	1.60E-01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	25	5.47E-03	7.30E-01	5.85E-02	3.60E-03	1.17E-01	6.00E-03	1.23E-01	3.22E-02	5.74E-03	3.79E-02	3.81E+02	2.54E-04	5.99E-02
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	25	1.21E-02	1.62E+00	1.30E-01	8.01E-03	2.61E-01	1.33E-02	2.74E-01	7.15E-02	1.28E-02	8.42E-02	8.47E+02	5.64E-04	1.33E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	25	1.21E-03	1.62E-01	1.30E-02	7.98E-04	2.60E-02	1.33E-03	2.73E-02	7.12E-03	1.27E-03	8.40E-03	8.45E+01	5.62E-05	1.33E-02
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	25	1.02E-03	1.37E-01	1.10E-02	6.75E-04	2.20E-02	1.12E-03	2.31E-02	6.03E-03	1.08E-03	7.10E-03	7.15E+01	4.76E-05	1.12E-02

OFFSITE Mobile Emissions		ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2.09E-01	2.85E+00	3.72E+00	1.93E-02	1.30E+00	4.84E-02	1.35E+00	3.50E-01	4.61E-02	3.97E-01	2.02E+03	4.20E-02	1.94E-01
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	5.35E-02	4.77E-01	1.07E+00	3.99E-03	3.33E-01	9.53E-03	3.43E-01	8.94E-02	9.05E-03	9.84E-02	4.12E+02	1.07E-02	2.87E-02
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	3.42E-01	8.16E+00	3.95E+00	4.09E-02	1.86E+00	1.30E-01	1.99E+00	5.10E-01	1.24E-01	6.34E-01	4.33E+03	7.91E-02	5.64E-01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	7.12E-02	1.21E+00	9.02E-01	5.74E-03	3.29E-01	2.39E-02	3.52E-01	9.02E-02	2.28E-02	1.13E-01	6.06E+02	1.86E-02	6.66E-02
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	1.39E-01	4.28E+00	2.07E+00	2.64E-02	1.15E+00	4.71E-02	1.19E+00	3.11E-01	4.49E-02	3.56E-01	2.78E+03	1.74E-02	3.77E-01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	1.95E-01	4.12E+00	2.36E+00	2.04E-02	1.00E+00	7.04E-02	1.07E+00	2.76E-01	6.72E-02	3.43E-01	2.15E+03	4.72E-02	2.67E-01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	1.24E-01	3.75E+00	1.47E+00	2.04E-02	8.41E-01	4.88E-02	8.90E-01	2.30E-01	4.66E-02	2.76E-01	2.16E+03	2.24E-02	2.99E-01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	7.88E-02	1.40E+00	9.43E-01	6.41E-03	3.52E-01	2.77E-02	3.79E-01	9.68E-02	2.64E-02	1.23E-01	6.77E+02	2.10E-02	7.69E-02
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	1.13E-01	1.55E+00	1.91E+00	9.78E-03	6.57E-01	2.83E-02	6.86E-01	1.78E-01	2.70E-02	2.05E-01	1.02E+03	2.46E-02	9.76E-02
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	6.09E-02	1.14E+00	8.49E-01	6.13E-03	3.34E-01	1.94E-02	3.54E-01	9.12E-02	1.85E-02	1.10E-01	6.44E+02	1.39E-02	7.46E-02
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	1.82E-01	2.61E+00	3.36E+00	1.89E-02	1.30E+00	4.22E-02	1.34E+00	3.51E-01	4.02E-02	3.91E-01	1.97E+03	3.93E-02	1.89E-01
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	4.67E-02	4.33E-01	9.62E-01	3.96E-03	3.35E-01	8.23E-03	3.44E-01	9.00E-02	7.81E-03	9.78E-02	4.09E+02	9.95E-03	2.88E-02
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2.94E-01	7.58E+00	3.56E+00	4.02E-02	1.86E+00	1.13E-01	1.97E+00	5.11E-01	1.08E-01	6.19E-01	4.25E+03	7.60E-02	5.55E-01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	1.27E-01	4.26E+00	1.91E+00	2.60E-02	1.15E+00	4.59E-02	1.20E+00	3.11E-01	4.38E-02	3.55E-01	2.74E+03	1.60E-02	3.72E-01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	1.27E-01	4.26E+00	1.91E+00	2.60E-02	1.15E+00	4.59E-02	1.20E+00	3.11E-01	4.38E-02	3.55E-01	2.74E+03	1.60E-02	3.72E-01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	1.10E-01	3.62E+00	1.34E+00	2.01E-02	8.43E-01	4.50E-02	8.88E-01	2.30E-01	4.30E-02	2.73E-01	2.13E+03	2.13E-02	2.95E-01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	6.62E-02	1.23E+00	8.42E-01	6.26E-03	3.52E-01	2.30E-02	3.75E-01	9.68E-02	2.20E-02	1.19E-01	6.62E+02	2.02E-02	7.51E-02
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	5.99E-02	1.06E+00	8.06E-01	5.61E-03	3.29E-01	1.99E-02	3.48E-01	9.02E-02	1.90E-02	1.09E-01	5.92E+02	1.78E-02	6.49E-02
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	5.23E-02	1.04E+00	7.64E-01	6.00E-03	3.35E-01	1.67E-02	3.51E-01	9.12E-02	1.59E-02	1.07E-01	6.31E+02	1.33E-02	7.31E-02
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	9.79E-02	1.40E+00	1.72E+00	9.56E-03	6.58E-01	2.42E-02	6.82E-01	1.78E-01	2.31E-02	2.01E-01	9.98E+02	2.31E-02	9.51E-02
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	1.67E-01	3.34E+00	3.15E+00	2.37E-02	1.47E+00	4.04E-02	1.51E+00	3.99E-01	3.84E-02	4.38E-01	2.48E+03	4.37E-02	2.69E-01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	4.20E-02	6.73E-01	7.94E-01	4.96E-03	3.44E-01	9.21E-03	3.53E-01	9.34E-02	8.76E-03	1.02E-01	5.20E+02	1.41E-02	5.01E-02
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	1.29E-01	3.84E+00	1.89E+00	2.26E-02	1.10E+00	4.44E-02	1.14E+00	3.01E-01	4.24E-02	3.44E-01	2.38E+03	4.20E-02	3.07E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	1.50E-01	4.31E+00	2.52E+00	2.72E-02	1.40E+00	4.72E-02	1.45E+00	3.80E-01	4.50E-02	4.25E-01	2.86E+03	3.28E-02	3.60E-01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	1.22E-01	3.26E+00	1.85E+00	1.95E-02	1.01E+00	3.92E-02	1.04E+00	2.76E-01	3.74E-02	3.13E-01	2.06E+03	4.27E-02	2.55E-01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	7.11E-02	2.19E+00	1.09E+00	1.31E-02	6.38E-01	2.44E-02	6.63E-01	1.74E-01	2.33E-02	1.97E-01	1.39E+03	1.92E-02	1.79E-01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	7.95E-02	2.61E+00	1.24E+00	1.58E-02	7.52E-01	2.79E-02	7.80E-01	2.04E-01	2.67E-02	2.31E-01	1.67E+03	1.69E-02	2.19E-01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	1.30E-01	3.81E+00	1.91E+00	2.23E-02	1.10E+00	4.46E-02	1.14E+00	3.01E-01	4.26E-02	3.43E-01	2.36E+03	4.42E-02	3.02E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	6.43E-02	2.18E+00	9.39E-01	1.28E-02	5.89E-01	2.37E-02	6.13E-01	1.61E-01	2.26E-02	1.84E-01	1.35E+03	1.62E-02	1.80E-01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	5.93E-02	1.02E+00	1.11E+00	7.36E-03	4.93E-01	1.35E-02	5.07E-01	1.34E-01	1.28E-02	1.47E-01	7.72E+02	1.91E-02	7.74E-02
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	1.24E-01	3.88E+00	2.92E+00	2.78E-02	1.65E+00	3.41E-02	1.68E+00	4.48E-01	3.24E-02	4.80E-01	2.93E+03	4.69E-02	3.39E-01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2.61E-02	7.21E-01	6.24E-01	5.80E-03	3.52E-01	6.21E-03	3.58E-01	9.68E-02	5.90E-03	1.03E-01	6.15E+02	1.80E-02	6.90E-02
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2.51E-02	7.60E-01	5.94E-01	5.62E-03	3.35E-01	6.65E-03	3.41E-01	9.13E-02	6.32E-03	9.76E-02	5.92E+02	1.15E-02	6.80E-02
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	1.24E-01	3.88E+00	2.92E+00	2.78E-02	1.65E+00	3.41E-02	1.68E+00	4.48E-01	3.24E-02	4.80E-01	2.93E+03	4.69E-02	3.39E-01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	7.09E-02	2.73E+00	1.60E+00	1.87E-02	1.01E+00	2.30E-02	1.03E+00	2.76E-01	2.19E-02	2.98E-01	1.98E+03	3.99E-02	2.44E-01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	3.45E-02	6.96E-01	8.57E-01	6.25E-03	4.32E-01	6.42E-03	4.39E-01	1.18E-01	6.08E-03	1.24E-01	6.57E+02	1.72E-02	6.58E-02
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	7.68E-02	4.29E+00	1.58E+00	2.47E-02	1.15E+00	3.61E-02	1.19E+00	3.12E-01	3.45E-02	3.46E-01	2.60E+03	1.24E-02	3.54E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	1.25E-01	5.93E+00	2.70E+00	3.77E-02	1.86E+00	4.94E-02	1.91E+00	5.11E-01	4.71E-02	5.59E-01	3.99E+03	6.65E-02	5.20E-01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	5.34E-02	3.31E+00	1.06E+00	1.91E-02	8.44E-01	2.74E-02	8.71E-01	2.31E-01	2.61E-02	2.57E-01	2.01E+03	1.80E-02	2.79E-01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2.50E-02	6.23E-01	6.06E-01	5.20E-03	3.29E-01	5.47E-03	3.34E-01	9.02E-02	5.19E-03	9.54E-02	5.50E+02	1.58E-02	5.96E-02
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	1.05E-01	2.68E+00	2.61E+00	2.12E-02	1.43E+00	2.46E-02	1.46E+00	3.88E-01	2.34E-02	4.12E-01	2.22E+03	3.77E-02	2.34E-01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	7.05E-02	3.33E+00	1.55E+00	2.12E-02	1.10E+00	2.79E-02	1.12E+00	3.01E-01	2.66E-02	3.27E-01	2.25E+03	3.84E-02	2.88E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	7.05E-02	3.33E+00	1.55E+00	2.12E-02	1.10E+00	2.79E-02	1.12E+00	3.01E-01	2.66E-02	3.27E-01	2.25E+03	3.84E-02	2.88E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	9.40E-02	4.05E+00	2.12E+00	2.57E-02	1.40E+00	3.49E-02	1.43E+00	3.79E-01	3.32E-02	4.12E-01	2.71E+03	2.87E-02	3.39E-01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	6.62E-02	2.72E+00	1.51E+00	1.83E-02	1.00E+00	2.29E-02	1.03E+00	2.76E-01	2.18E-02	2.97E-01	1.94E+03	3.92E-02	2.40E-01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	4.13E-02	1.99E+00	9.02E-01	1.24E-02	6.37E-01	1.68E-02	6.53E-01	1.74E-01	1.60E-02	1.90E-01	1.31E+03	1.72E-02	1.69E-01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	4.84E-02	2.48E+00	1.04E+00	1.50E-02	7.49E-01	2.10E-02	7.70E-01	2.04E-01	2.01E-02	2.24E-01	1.58E+03	1.47E-02	2.07E-01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2.83E-02	9.81E-01	6.67E-01	6.70E-03	4.01E-01	8.70E-03	4.10E-01	1.08E-01	8.28E-03	1.17E-01	7.02E+02	7.64E-03	8.24E-02
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	7.04E-02	3.26E+00	1.56E+00	2.10E-02	1.09E+00	2.73E-02	1.12E+00	3.00E-01	2.60E-02	3.26E-01	2.23E+03	4.05E-02	2.84E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2.37E-02	7.39E-01	5.71E-01	5.60E-03	3.43E-01	6.39E-03	3.49E-01	9.40E-02	6.08E-03	1.00E-01	5.92E+02	1.45E-02	6.73E-02
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	3.65E-02	7.87E-01	9.22E-01	6.91E-03	4.93E-01	7.29E-03	5.00E-01	1.34E-01	6.91E-03	1.41E-01	7.26E+02	1.74E-02	7.23E-02

						Vendor Running Emission Factors												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission Factor (g/mile)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	25	15	6.77E-02	1.72E+00	3.64E-01	6.03E-03	2.08E-01	3.40E-02	2.42E-01	5.98E-02	3.25E-02	9.23E-02	6.47E+02	2.20E-02	9.30E-02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	25	15	1.50E-02	3.82E-01	8.10E-02	1.34E-03	4.62E-02	7.56E-03	5.38E-02	1.33E-02	7.23E-03	2.05E-02	1.44E+02	4.89E-03	2.07E-02
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	25	15	1.88E-01	4.77E+00	1.01E+00	1.68E-02	5.78E-01	9.45E-02	6.72E-01	1.66E-01	9.04E-02	2.56E-01	1.80E+03	6.11E-02	2.58E-01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	25	15	4.51E-02	1.15E+00	2.43E-01	4.02E-03	1.39E-01	2.27E-02	1.61E-01	3.99E-02	2.17E-02	6.15E-02	4.32E+02	1.47E-02	6.20E-02
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	25	15	1.50E-02	3.82E-01	8.10E-02	1.34E-03	4.62E-02	7.56E-03	5.38E-02	1.33E-02	7.23E-03	2.05E-02	1.44E+02	4.89E-03	2.07E-02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	25	15	1.13E-01	2.86E+00	6.07E-01	1.01E-02	3.47E-01	5.67E-02	4.03E-01	9.96E-02	5.42E-02	1.54E-01	1.08E+03	3.67E-02	1.55E-01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	25	15	4.51E-02	1.15E+00	2.43E-01	4.02E-03	1.39E-01	2.27E-02	1.61E-01	3.99E-02	2.17E-02	6.15E-02	4.32E+02	1.47E-02	6.20E-02
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	25	15	5.26E-02	1.34E+00	2.83E-01	4.69E-03	1.62E-01	2.64E-02	1.88E-01	4.65E-02	2.53E-02	7.18E-02	5.04E+02	1.71E-02	7.24E-02
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	25	15	4.51E-02	1.15E+00	2.43E-01	4.02E-03	1.39E-01	2.27E-02	1.61E-01	3.99E-02	2.17E-02	6.15E-02	4.32E+02	1.47E-02	6.20E-02
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	25	15	3.01E-02	7.64E-01	1.62E-01	2.68E-03	9.24E-02	1.51E-02	1.08E-01	2.66E-02	1.45E-02	4.10E-02	2.88E+02	9.77E-03	4.13E-02
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	25	15	5.50E-02	1.51E+00	3.15E-01	5.90E-03	2.08E-01	2.81E-02	2.36E-01	5.98E-02	2.69E-02	8.67E-02	6.34E+02	2.16E-02	9.12E-02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	25	15	1.22E-02	3.35E-01	6.99E-02	1.31E-03	4.62E-02	6.25E-03	5.25E-02	1.33E-02	5.98E-03	1.93E-02	1.41E+02	4.79E-03	2.03E-02
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	25	15	1.53E-01	4.18E+00	8.74E-01	1.64E-02	5.78E-01	7.82E-02	6.56E-01	1.66E-01	7.48E-02	2.41E-01	1.76E+03	5.99E-02	2.53E-01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	25	15	1.22E-02	3.35E-01	6.99E-02	1.31E-03	4.62E-02	6.25E-03	5.25E-02	1.33E-02	5.98E-03	1.93E-02	1.41E+02	4.79E-03	2.03E-02
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	25	15	1.22E-02	3.35E-01	6.99E-02	1.31E-03	4.62E-02	6.25E-03	5.25E-02	1.33E-02	5.98E-03	1.93E-02	1.41E+02	4.79E-03	2.03E-02
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	25	15	3.66E-02	1.00E+00	2.10E-01	3.93E-03	1.39E-01	1.88E-02	1.57E-01	3.99E-02	1.80E-02	5.78E-02	4.23E+02	1.44E-02	6.08E-02
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	25	15	4.28E-02	1.17E+00	2.45E-01	4.59E-03	1.62E-01	2.19E-02	1.84E-01	4.65E-02	2.09E-02	6.74E-02	4.93E+02	1.68E-02	7.09E-02
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	25	15	3.66E-02	1.00E+00	2.10E-01	3.93E-03	1.39E-01	1.88E-02	1.57E-01	3.99E-02	1.80E-02	5.78E-02	4.23E+02	1.44E-02	6.08E-02
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	25	15	2.44E-02	6.70E-01	1.40E-01	2.62E-03	9.24E-02	1.25E-02	1.05E-01	2.66E-02	1.20E-02	3.85E-02	2.82E+02	9.59E-03	4.05E-02
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	25	15	3.66E-02	1.00E+00	2.10E-01	3.93E-03	1.39E-01	1.88E-02	1.57E-01	3.99E-02	1.80E-02	5.78E-02	4.23E+02	1.44E-02	6.08E-02
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	25	15	4.26E-02	1.60E+00	3.09E-01	7.63E-03	2.77E-01	2.06E-02	2.98E-01	7.97E-02	1.98E-02	9.95E-02	8.21E+02	2.75E-02	1.18E-01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	25	15	1.60E-02	6.02E-01	1.16E-01	2.86E-03	1.04E-01	7.74E-03	1.12E-01	2.99E-02	7.41E-03	3.73E-02	3.08E+02	1.03E-02	4.43E-02
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	25	15	5.15E-02	1.94E+00	3.74E-01	9.22E-03	3.35E-01	2.50E-02	3.60E-01	9.63E-02	2.39E-02	1.20E-01	9.92E+02	3.32E-02	1.43E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	25	15	3.02E-02	1.14E+00	2.19E-01	5.40E-03	1.96E-01	1.46E-02	2.11E-01	5.65E-02	1.40E-02	7.04E-02	5.81E+02	1.95E-02	8.36E-02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	25	15	5.32E-02	2.01E+00	3.86E-01	9.54E-03	3.47E-01	2.58E-02	3.72E-01	9.96E-02	2.47E-02	1.24E-01	1.03E+03	3.43E-02	1.48E-01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	25	15	2.13E-02	8.02E-01	1.55E-01	3.82E-03	1.39E-01	1.03E-02	1.49E-01	3.99E-02	9.88E-03	4.97E-02	4.10E+02	1.37E-02	5.90E-02
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	25	15	1.60E-02	6.02E-01	1.16E-01	2.86E-03	1.04E-01	7.74E-03	1.12E-01	2.99E-02	7.41E-03	3.73E-02	3.08E+02	1.03E-02	4.43E-02
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	25	15	5.50E-02	2.07E+00	3.99E-01	9.86E-03	3.58E-01	2.67E-02	3.85E-01	1.03E-01	2.55E-02	1.28E-01	1.06E+03	3.55E-02	1.52E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	25	15	1.77E-02	6.69E-01	1.29E-01	3.18E-03	1.16E-01	8.60E-03	1.24E-01	3.32E-02	8.23E-03	4.14E-02	3.42E+02	1.14E-02	4.92E-02
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	25	15	2.13E-02	8.02E-01	1.55E-01	3.82E-03	1.39E-01	1.03E-02	1.49E-01	3.99E-02	9.88E-03	4.97E-02	4.10E+02	1.37E-02	5.90E-02
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	25	15	1.53E-02	1.44E+00	2.70E-01	9.08E-03	3.47E-01	1.11E-02	3.58E-01	9.96E-02	1.07E-02	1.10E-01	9.78E+02	3.27E-02	1.40E-01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	25	15	7.14E-03	6.71E-01	1.26E-01	4.24E-03	1.62E-01	5.20E-03	1.67E-01	4.65E-02	4.98E-03	5.15E-02	4.56E+02	1.53E-02	6.55E-02
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	25	15	4.08E-03	3.83E-01	7.20E-02	2.42E-03	9.24E-02	2.97E-03	9.54E-02	2.66E-02	2.84E-03	2.94E-02	2.61E+02	8.72E-03	3.74E-02
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	25	15	1.53E-02	1.44E+00	2.70E-01	9.08E-03	3.47E-01	1.11E-02	3.58E-01	9.96E-02	1.07E-02	1.10E-01	9.78E+02	3.27E-02	1.40E-01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	25	15	1.53E-02	1.44E+00	2.70E-01	9.08E-03	3.47E-01	1.11E-02	3.58E-01	9.96E-02	1.07E-02	1.10E-01	9.78E+02	3.27E-02	1.40E-01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	25	15	6.12E-03	5.75E-01	1.08E-01	3.63E-03	1.39E-01	4.46E-03	1.43E-01	3.99E-02	4.26E-03	4.41E-02	3.91E+02	1.31E-02	5.62E-02
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	25	15	2.04E-03	1.92E-01	3.60E-02	1.21E-03	4.62E-02	1.49E-03	4.77E-02	1.33E-02	1.42E-03	1.47E-02	1.30E+02	4.36E-03	1.87E-02
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	25	15	2.55E-02	2.39E+00	4.50E-01	1.51E-02	5.78E-01	1.86E-02	5.96E-01	1.66E-01	1.78E-02	1.84E-01	1.63E+03	5.45E-02	2.34E-01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	25	15	6.12E-03	5.75E-01	1.08E-01	3.63E-03	1.39E-01	4.46E-03	1.43E-01	3.99E-02	4.26E-03	4.41E-02	3.91E+02	1.31E-02	5.62E-02
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	25	15	6.12E-03	5.75E-01	1.08E-01	3.63E-03	1.39E-01	4.46E-03	1.43E-01	3.99E-02	4.26E-03	4.41E-02	3.91E+02	1.31E-02	5.62E-02
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	25	15	1.13E-02	1.11E+00	2.02E-01	6.85E-03	2.66E-01	8.57E-03	2.74E-01	7.64E-02	8.20E-03	8.46E-02	7.39E+02	2.51E-02	1.06E-01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	25	15	1.43E-02	1.40E+00	2.54E-01	8.64E-03	3.35E-01	1.08E-02	3.46E-01	9.63E-02	1.03E-02	1.07E-01	9.32E+02	3.17E-02	1.34E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	25	15	1.43E-02	1.40E+00	2.54E-01	8.64E-03	3.35E-01	1.08E-02	3.46E-01	9.63E-02	1.03E-02	1.07E-01	9.32E+02	3.17E-02	1.34E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	25	15	8.36E-03	8.21E-01	1.49E-01	5.07E-03	1.96E-01	6.34E-03	2.03E-01	5.65E-02	6.06E-03	6.25E-02	5.46E+02	1.86E-02	7.85E-02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	25	15	1.48E-02	1.45E+00	2.63E-01	8.94E-03	3.47E-01	1.12E-02	3.58E-01	9.96E-02	1.07E-02	1.10E-01	9.64E+02	3.27E-02	1.39E-01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	25	15	5.90E-03	5.79E-01	1.05E-01	3.58E-03	1.39E-01	4.47E-03	1.43E-01	3.99E-02	4.28E-03	4.41E-02	3.86E+02	1.31E-02	5.54E-02
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	25	15	4.43E-03	4.34E-01	7.89E-02	2.68E-03	1.04E-01	3.35E-03	1.07E-01	2.99E-02	3.21E-03	3.31E-02	2.89E+02	9.82E-03	4.16E-02
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	25	15	1.97E-03	1.93E-01	3.51E-02	1.19E-03	4.62E-02	1.49E-03	4.77E-02	1.33E-02	1.43E-03	1.47E-02	1.29E+02	4.37E-03	1.85E-02
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	25	15	1.52E-02	1.50E+00	2.72E-01	9.24E-03	3.58E-01	1.16E-02	3.70E-01	1.03E-01	1.11E-02	1.14E-01	9.96E+02	3.38E-02	1.43E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	25	15	5.41E-03	5.31E-01	9.65E-02	3.28E-03	1.27E-01	4.10E-03	1.31E-01	3.65E-02	3.92E-03	4.05E-02	3.53E+02	1.20E-02	5.08E-02
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	25	15	5.90E-03	5.79E-01	1.05E-01	3.58E-03	1.39E-01	4.47E-03	1.43E-01	3.99E-02	4.28E-03	4.41E-02	3.86E+02	1.31E-02	5.54E-02

					Worker Starting Evaporative Emission Factors												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission Factor (g/trip)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	25	6.03E-02	1.46E-02	1.34E-01	3.46E-05	0.00E+00	1.27E-04	1.27E-04	0.00E+00	1.17E-04	1.17E-04	3.50E+00	3.85E-03	1.67E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	25	1.81E-02	4.38E-03	4.02E-02	1.04E-05	0.00E+00	3.81E-05	3.81E-05	0.00E+00	3.50E-05	3.50E-05	1.05E+00	1.16E-03	5.01E-04
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	25	4.83E-02	1.17E-02	1.07E-01	2.77E-05	0.00E+00	1.02E-04	1.02E-04	0.00E+00	9.34E-05	9.34E-05	2.80E+00	3.08E-03	1.34E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	25	1.21E-02	2.92E-03	2.68E-02	6.92E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.34E-05	2.34E-05	7.00E-01	7.71E-04	3.34E-04
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	25	3.02E-02	7.31E-03	6.71E-02	1.73E-05	0.00E+00	6.35E-05	6.35E-05	0.00E+00	5.84E-05	5.84E-05	1.75E+00	1.93E-03	8.35E-04
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	25	3.02E-02	7.31E-03	6.71E-02	1.73E-05	0.00E+00	6.35E-05	6.35E-05	0.00E+00	5.84E-05	5.84E-05	1.75E+00	1.93E-03	8.35E-04
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	25	1.81E-02	4.38E-03	4.02E-02	1.04E-05	0.00E+00	3.81E-05	3.81E-05	0.00E+00	3.50E-05	3.50E-05	1.05E+00	1.16E-03	5.01E-04
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	25	1.21E-02	2.92E-03	2.68E-02	6.92E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.34E-05	2.34E-05	7.00E-01	7.71E-04	3.34E-04
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	25	3.02E-02	7.31E-03	6.71E-02	1.73E-05	0.00E+00	6.35E-05	6.35E-05	0.00E+00	5.84E-05	5.84E-05	1.75E+00	1.93E-03	8.35E-04
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	25	1.21E-02	2.92E-03	2.68E-02	6.92E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.34E-05	2.34E-05	7.00E-01	7.71E-04	3.34E-04
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	25	5.58E-02	1.34E-02	1.30E-01	3.36E-05	0.00E+00	1.19E-04	1.19E-04	0.00E+00	1.10E-04	1.10E-04	3.39E+00	3.54E-03	1.59E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	25	1.67E-02	4.03E-03	3.89E-02	1.01E-05	0.00E+00	3.58E-05	3.58E-05	0.00E+00	3.29E-05	3.29E-05	1.02E+00	1.06E-03	4.78E-04
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	25	4.46E-02	1.07E-02	1.04E-01	2.69E-05	0.00E+00	9.54E-05	9.54E-05	0.00E+00	8.77E-05	8.77E-05	2.71E+00	2.83E-03	1.27E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	25	2.79E-02	6.71E-03	6.48E-02	1.68E-05	0.00E+00	5.96E-05	5.96E-05	0.00E+00	5.48E-05	5.48E-05	1.70E+00	1.77E-03	7.96E-04
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	25	2.79E-02	6.71E-03	6.48E-02	1.68E-05	0.00E+00	5.96E-05	5.96E-05	0.00E+00	5.48E-05	5.48E-05	1.70E+00	1.77E-03	7.96E-04
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	25	1.67E-02	4.03E-03	3.89E-02	1.01E-05	0.00E+00	3.58E-05	3.58E-05	0.00E+00	3.29E-05	3.29E-05	1.02E+00	1.06E-03	4.78E-04
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	25	1.12E-02	2.68E-03	2.59E-02	6.71E-06	0.00E+00	2.38E-05	2.38E-05	0.00E+00	2.19E-05	2.19E-05	6.78E-01	7.08E-04	3.18E-04
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	25	1.12E-02	2.68E-03	2.59E-02	6.71E-06	0.00E+00	2.38E-05	2.38E-05	0.00E+00	2.19E-05	2.19E-05	6.78E-01	7.08E-04	3.18E-04
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	25	1.12E-02	2.68E-03	2.59E-02	6.71E-06	0.00E+00	2.38E-05	2.38E-05	0.00E+00	2.19E-05	2.19E-05	6.78E-01	7.08E-04	3.18E-04
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	25	2.79E-02	6.71E-03	6.48E-02	1.68E-05	0.00E+00	5.96E-05	5.96E-05	0.00E+00	5.48E-05	5.48E-05	1.70E+00	1.77E-03	7.96E-04
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	25	5.18E-02	1.24E-02	1.25E-01	3.25E-05	0.00E+00	1.12E-04	1.12E-04	0.00E+00	1.03E-04	1.03E-04	3.29E+00	3.26E-03	1.52E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	25	1.29E-02	3.09E-03	3.13E-02	8.13E-06	0.00E+00	2.81E-05	2.81E-05	0.00E+00	2.58E-05	2.58E-05	8.22E-01	8.15E-04	3.79E-04
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	25	2.59E-02	6.18E-03	6.26E-02	1.63E-05	0.00E+00	5.62E-05	5.62E-05	0.00E+00	5.17E-05	5.17E-05	1.64E+00	1.63E-03	7.59E-04
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	25	3.88E-02	9.27E-03	9.39E-02	2.44E-05	0.00E+00	8.43E-05	8.43E-05	0.00E+00	7.75E-05	7.75E-05	2.46E+00	2.45E-03	1.14E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	25	2.59E-02	6.18E-03	6.26E-02	1.63E-05	0.00E+00	5.62E-05	5.62E-05	0.00E+00	5.17E-05	5.17E-05	1.64E+00	1.63E-03	7.59E-04
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	25	1.55E-02	3.71E-03	3.76E-02	9.76E-06	0.00E+00	3.37E-05	3.37E-05	0.00E+00	3.10E-05	3.10E-05	9.86E-01	9.78E-04	4.55E-04
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	25	1.81E-02	4.33E-03	4.38E-02	1.14E-05	0.00E+00	3.93E-05	3.93E-05	0.00E+00	3.62E-05	3.62E-05	1.15E+00	1.14E-03	5.31E-04
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	25	2.59E-02	6.18E-03	6.26E-02	1.63E-05	0.00E+00	5.62E-05	5.62E-05	0.00E+00	5.17E-05	5.17E-05	1.64E+00	1.63E-03	7.59E-04
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	25	1.29E-02	3.09E-03	3.13E-02	8.13E-06	0.00E+00	2.81E-05	2.81E-05	0.00E+00	2.58E-05	2.58E-05	8.22E-01	8.15E-04	3.79E-04
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	25	1.81E-02	4.33E-03	4.38E-02	1.14E-05	0.00E+00	3.93E-05	3.93E-05	0.00E+00	3.62E-05	3.62E-05	1.15E+00	1.14E-03	5.31E-04
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	25	4.83E-02	1.14E-02	1.21E-01	3.15E-05	0.00E+00	1.07E-04	1.07E-04	0.00E+00	9.79E-05	9.79E-05	3.18E+00	3.00E-03	1.45E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	25	9.65E-03	2.29E-03	2.42E-02	6.30E-06	0.00E+00	2.13E-05	2.13E-05	0.00E+00	1.96E-05	1.96E-05	6.36E-01	6.01E-04	2.89E-04
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	25	9.65E-03	2.29E-03	2.42E-02	6.30E-06	0.00E+00	2.13E-05	2.13E-05	0.00E+00	1.96E-05	1.96E-05	6.36E-01	6.01E-04	2.89E-04
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	25	4.83E-02	1.14E-02	1.21E-01	3.15E-05	0.00E+00	1.07E-04	1.07E-04	0.00E+00	9.79E-05	9.79E-05	3.18E+00	3.00E-03	1.45E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	25	2.41E-02	5.71E-03	6.05E-02	1.57E-05	0.00E+00	5.33E-05	5.33E-05	0.00E+00	4.90E-05	4.90E-05	1.59E+00	1.50E-03	7.23E-04
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	25	1.45E-02	3.43E-03	3.63E-02	9.44E-06	0.00E+00	3.20E-05	3.20E-05	0.00E+00	2.94E-05	2.94E-05	9.54E-01	9.01E-04	4.34E-04
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	25	2.41E-02	5.71E-03	6.05E-02	1.57E-05	0.00E+00	5.33E-05	5.33E-05	0.00E+00	4.90E-05	4.90E-05	1.59E+00	1.50E-03	7.23E-04
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	25	3.86E-02	9.14E-03	9.67E-02	2.52E-05	0.00E+00	8.52E-05	8.52E-05	0.00E+00	7.84E-05	7.84E-05	2.54E+00	2.40E-03	1.16E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	25	1.45E-02	3.43E-03	3.63E-02	9.44E-06	0.00E+00	3.20E-05	3.20E-05	0.00E+00	2.94E-05	2.94E-05	9.54E-01	9.01E-04	4.34E-04
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	25	9.65E-03	2.29E-03	2.42E-02	6.30E-06	0.00E+00	2.13E-05	2.13E-05	0.00E+00	1.96E-05	1.96E-05	6.36E-01	6.01E-04	2.89E-04
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	25	4.51E-02	1.06E-02	1.17E-01	3.04E-05	0.00E+00	1.02E-04	1.02E-04	0.00E+00	9.34E-05	9.34E-05	3.08E+00	2.77E-03	1.38E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	25	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	25	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	25	3.38E-02	7.95E-03	8.74E-02	2.28E-05	0.00E+00	7.61E-05	7.61E-05	0.00E+00	7.00E-05	7.00E-05	2.31E+00	2.08E-03	1.03E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	25	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	25	1.35E-02	3.18E-03	3.50E-02	9.13E-06	0.00E+00	3.05E-05	3.05E-05	0.00E+00	2.80E-05	2.80E-05	9.23E-01	8.30E-04	4.13E-04
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	25	1.58E-02	3.71E-03	4.08E-02	1.07E-05	0.00E+00	3.55E-05	3.55E-05	0.00E+00	3.27E-05	3.27E-05	1.08E+00	9.69E-04	4.82E-04
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	25	1.13E-02	2.65E-03	2.91E-02	7.61E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.33E-05	2.33E-05	7.69E-01	6.92E-04	3.44E-04
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	25	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	25	9.02E-03	2.12E-03	2.33E-02	6.09E-06	0.00E+00	2.03E-05	2.03E-05	0.00E+00	1.87E-05	1.87E-05	6.15E-01	5.54E-04	2.75E-04
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	25	1.58E-02	3.71E-03	4.08E-02	1.07E-05	0.00E+00	3.55E-05	3.55E-05	0.00E+00	3.27E-05	3.27E-05	1.08E+00	9.69E-04	4.82E-04

					Worker Running Emission Factors												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission Factor (g/mile)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	25	6.62E-02	2.49E-01	3.14E+00	8.57E-03	9.50E-01	6.02E-03	9.56E-01	2.52E-01	5.54E-03	2.57E-01	8.66E+02	1.55E-02	2.09E-02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	25	1.99E-02	7.46E-02	9.41E-01	2.57E-03	2.85E-01	1.81E-03	2.87E-01	7.55E-02	1.66E-03	7.72E-02	2.60E+02	4.65E-03	6.27E-03
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	25	5.30E-02	1.99E-01	2.51E+00	6.85E-03	7.60E-01	4.81E-03	7.65E-01	2.01E-01	4.43E-03	2.06E-01	6.93E+02	1.24E-02	1.67E-02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	25	1.32E-02	4.97E-02	6.28E-01	1.71E-03	1.90E-01	1.20E-03	1.91E-01	5.03E-02	1.11E-03	5.15E-02	1.73E+02	3.10E-03	4.18E-03
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	25	3.31E-02	1.24E-01	1.57E+00	4.28E-03	4.75E-01	3.01E-03	4.78E-01	1.26E-01	2.77E-03	1.29E-01	4.33E+02	7.74E-03	1.05E-02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	25	3.31E-02	1.24E-01	1.57E+00	4.28E-03	4.75E-01	3.01E-03	4.78E-01	1.26E-01	2.77E-03	1.29E-01	4.33E+02	7.74E-03	1.05E-02
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	25	1.99E-02	7.46E-02	9.41E-01	2.57E-03	2.85E-01	1.81E-03	2.87E-01	7.55E-02	1.66E-03	7.72E-02	2.60E+02	4.65E-03	6.27E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	25	1.32E-02	4.97E-02	6.28E-01	1.71E-03	1.90E-01	1.20E-03	1.91E-01	5.03E-02	1.11E-03	5.15E-02	1.73E+02	3.10E-03	4.18E-03
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	25	3.31E-02	1.24E-01	1.57E+00	4.28E-03	4.75E-01	3.01E-03	4.78E-01	1.26E-01	2.77E-03	1.29E-01	4.33E+02	7.74E-03	1.05E-02
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	25	1.32E-02	4.97E-02	6.28E-01	1.71E-03	1.90E-01	1.20E-03	1.91E-01	5.03E-02	1.11E-03	5.15E-02	1.73E+02	3.10E-03	4.18E-03
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	25	5.71E-02	2.15E-01	2.83E+00	8.32E-03	9.50E-01	5.62E-03	9.55E-01	2.52E-01	5.17E-03	2.57E-01	8.41E+02	1.35E-02	1.89E-02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	25	1.71E-02	6.45E-02	8.49E-01	2.50E-03	2.85E-01	1.69E-03	2.87E-01	7.55E-02	1.55E-03	7.71E-02	2.52E+02	4.06E-03	5.66E-03
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	25	4.57E-02	1.72E-01	2.26E+00	6.66E-03	7.60E-01	4.50E-03	7.64E-01	2.01E-01	4.14E-03	2.06E-01	6.73E+02	1.08E-02	1.51E-02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	25	2.86E-02	1.07E-01	1.41E+00	4.16E-03	4.75E-01	2.81E-03	4.78E-01	1.26E-01	2.59E-03	1.28E-01	4.20E+02	6.77E-03	9.43E-03
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	25	2.86E-02	1.07E-01	1.41E+00	4.16E-03	4.75E-01	2.81E-03	4.78E-01	1.26E-01	2.59E-03	1.28E-01	4.20E+02	6.77E-03	9.43E-03
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	25	1.71E-02	6.45E-02	8.49E-01	2.50E-03	2.85E-01	1.69E-03	2.87E-01	7.55E-02	1.55E-03	7.71E-02	2.52E+02	4.06E-03	5.66E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	25	1.14E-02	4.30E-02	5.66E-01	1.66E-03	1.90E-01	1.12E-03	1.91E-01	5.03E-02	1.03E-03	5.14E-02	1.68E+02	2.71E-03	3.77E-03
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	25	1.14E-02	4.30E-02	5.66E-01	1.66E-03	1.90E-01	1.12E-03	1.91E-01	5.03E-02	1.03E-03	5.14E-02	1.68E+02	2.71E-03	3.77E-03
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	25	1.14E-02	4.30E-02	5.66E-01	1.66E-03	1.90E-01	1.12E-03	1.91E-01	5.03E-02	1.03E-03	5.14E-02	1.68E+02	2.71E-03	3.77E-03
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	25	2.86E-02	1.07E-01	1.41E+00	4.16E-03	4.75E-01	2.81E-03	4.78E-01	1.26E-01	2.59E-03	1.28E-01	4.20E+02	6.77E-03	9.43E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	25	4.94E-02	1.87E-01	2.57E+00	8.06E-03	9.50E-01	5.25E-03	9.55E-01	2.52E-01	4.84E-03	2.57E-01	8.15E+02	1.18E-02	1.71E-02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	25	1.23E-02	4.68E-02	6.42E-01	2.02E-03	2.37E-01	1.31E-03	2.39E-01	6.29E-02	1.21E-03	6.41E-02	2.04E+02	2.96E-03	4.29E-03
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	25	2.47E-02	9.36E-02	1.28E+00	4.03E-03	4.75E-01	2.63E-03	4.77E-01	1.26E-01	2.42E-03	1.28E-01	4.07E+02	5.92E-03	8.57E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	25	3.70E-02	1.40E-01	1.93E+00	6.05E-03	7.12E-01	3.94E-03	7.16E-01	1.89E-01	3.63E-03	1.92E-01	6.11E+02	8.88E-03	1.29E-02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	25	2.47E-02	9.36E-02	1.28E+00	4.03E-03	4.75E-01	2.63E-03	4.77E-01	1.26E-01	2.42E-03	1.28E-01	4.07E+02	5.92E-03	8.57E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	25	1.48E-02	5.61E-02	7.71E-01	2.42E-03	2.85E-01	1.58E-03	2.86E-01	7.55E-02	1.45E-03	7.70E-02	2.44E+02	3.55E-03	5.14E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	25	1.73E-02	6.55E-02	8.99E-01	2.82E-03	3.32E-01	1.84E-03	3.34E-01	8.81E-02	1.69E-03	8.98E-02	2.85E+02	4.15E-03	6.00E-03
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	25	2.47E-02	9.36E-02	1.28E+00	4.03E-03	4.75E-01	2.63E-03	4.77E-01	1.26E-01	2.42E-03	1.28E-01	4.07E+02	5.92E-03	8.57E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	25	1.23E-02	4.68E-02	6.42E-01	2.02E-03	2.37E-01	1.31E-03	2.39E-01	6.29E-02	1.21E-03	6.41E-02	2.04E+02	2.96E-03	4.29E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	25	1.73E-02	6.55E-02	8.99E-01	2.82E-03	3.32E-01	1.84E-03	3.34E-01	8.81E-02	1.69E-03	8.98E-02	2.85E+02	4.15E-03	6.00E-03
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	25	4.27E-02	1.64E-01	2.35E+00	7.80E-03	9.50E-01	4.94E-03	9.55E-01	2.52E-01	4.55E-03	2.56E-01	7.89E+02	1.04E-02	1.57E-02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	25	8.55E-03	3.28E-02	4.69E-01	1.56E-03	1.90E-01	9.88E-04	1.91E-01	5.03E-02	9.10E-04	5.13E-02	1.58E+02	2.08E-03	3.14E-03
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	25	8.55E-03	3.28E-02	4.69E-01	1.56E-03	1.90E-01	9.88E-04	1.91E-01	5.03E-02	9.10E-04	5.13E-02	1.58E+02	2.08E-03	3.14E-03
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	25	4.27E-02	1.64E-01	2.35E+00	7.80E-03	9.50E-01	4.94E-03	9.55E-01	2.52E-01	4.55E-03	2.56E-01	7.89E+02	1.04E-02	1.57E-02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	25	2.14E-02	8.19E-02	1.17E+00	3.90E-03	4.75E-01	2.47E-03	4.77E-01	1.26E-01	2.27E-03	1.28E-01	3.94E+02	5.20E-03	7.84E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	25	1.28E-02	4.91E-02	7.04E-01	2.34E-03	2.85E-01	1.48E-03	2.86E-01	7.55E-02	1.36E-03	7.69E-02	2.37E+02	3.12E-03	4.70E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	25	2.14E-02	8.19E-02	1.17E+00	3.90E-03	4.75E-01	2.47E-03	4.77E-01	1.26E-01	2.27E-03	1.28E-01	3.94E+02	5.20E-03	7.84E-03
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	25	3.42E-02	1.31E-01	1.88E+00	6.24E-03	7.60E-01	3.95E-03	7.64E-01	2.01E-01	3.64E-03	2.05E-01	6.31E+02	8.32E-03	1.25E-02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	25	1.28E-02	4.91E-02	7.04E-01	2.34E-03	2.85E-01	1.48E-03	2.86E-01	7.55E-02	1.36E-03	7.69E-02	2.37E+02	3.12E-03	4.70E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	25	8.55E-03	3.28E-02	4.69E-01	1.56E-03	1.90E-01	9.88E-04	1.91E-01	5.03E-02	9.10E-04	5.13E-02	1.58E+02	2.08E-03	3.14E-03
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	25	3.77E-02	1.45E-01	2.17E+00	7.57E-03	9.50E-01	4.73E-03	9.54E-01	2.52E-01	4.35E-03	2.56E-01	7.66E+02	9.28E-03	1.45E-02
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	25	1.88E-02	7.24E-02	1.09E+00	3.79E-03	4.75E-01	2.36E-03	4.77E-01	1.26E-01	2.18E-03	1.28E-01	3.83E+02	4.64E-03	7.24E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	25	1.88E-02	7.24E-02	1.09E+00	3.79E-03	4.75E-01	2.36E-03	4.77E-01	1.26E-01	2.18E-03	1.28E-01	3.83E+02	4.64E-03	7.24E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	25	2.82E-02	1.09E-01	1.63E+00	5.68E-03	7.12E-01	3.55E-03	7.16E-01	1.89E-01	3.26E-03	1.92E-01	5.74E+02	6.96E-03	1.09E-02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	25	1.88E-02	7.24E-02	1.09E+00	3.79E-03	4.75E-01	2.36E-03	4.77E-01	1.26E-01	2.18E-03	1.28E-01	3.83E+02	4.64E-03	7.24E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	25	1.13E-02	4.35E-02	6.52E-01	2.27E-03	2.85E-01	1.42E-03	2.86E-01	7.55E-02	1.31E-03	7.68E-02	2.30E+02	2.78E-03	4.35E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	25	1.32E-02	5.07E-02	7.61E-01	2.65E-03	3.32E-01	1.65E-03	3.34E-01	8.81E-02	1.52E-03	8.96E-02	2.68E+02	3.25E-03	5.07E-03
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	25	9.42E-03	3.62E-02	5.43E-01	1.89E-03	2.37E-01	1.18E-03	2.39E-01	6.29E-02	1.09E-03	6.40E-02	1.91E+02	2.32E-03	3.62E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	25	1.88E-02	7.24E-02	1.09E+00	3.79E-03	4.75E-01	2.36E-03	4.77E-01	1.26E-01	2.18E-03	1.28E-01	3.83E+02	4.64E-03	7.24E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	25	7.53E-03	2.90E-02	4.35E-01	1.51E-03	1.90E-01	9.45E-04	1.91E-01	5.03E-02	8.70E-04	5.12E-02	1.53E+02	1.86E-03	2.90E-03
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	25	1.32E-02	5.07E-02	7.61E-01	2.65E-03	3.32E-01	1.65E-03	3.34E-01	8.81E-02	1.52E-03	8.96E-02	2.68E+02	3.25E-03	5.07E-03

World Logistics Center-Construction Plots 2, 4, 9, 1, 3,& 20 (2020-2024)-Mitigated

South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	40,600.00	1000sqft	2,419.90	40,600,000.00	0
Parking Lot	123.60	Acre	123.60	5,384,016.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Construction Assumptions

Construction Phase - Project Schedule

Off-road Equipment - Project Equipment

Off-road Equipment - Project Equipment

Off-road Equipment - Project Equipment

Off-road Equipment - Project Equipment

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Construction Off-road Equipment Mitigation -

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tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	89.5102	948.1994	673.7548	1.4224	91.0945	40.9676	132.0621	43.0859	37.7403	80.8261	0.0000	137,575.7237	137,575.7237	44.0001	0.0000	138,675.7263
2021	103.9519	1,085.2951	807.4951	1.7226	84.0217	46.1212	130.1429	38.9972	42.4782	81.4753	0.0000	166,594.5097	166,594.5097	53.3536	0.0000	167,928.3490
2022	103.7637	1,067.9548	842.4030	1.8254	142.0289	44.3914	186.4203	65.2105	40.8823	106.0928	0.0000	176,540.0583	176,540.0583	56.5647	0.0000	177,954.1754
2023	99.0169	980.7770	836.0340	1.8293	162.3356	40.4655	202.8011	70.7281	37.2670	107.9951	0.0000	176,897.2379	176,897.2379	56.6664	0.0000	178,313.8987
2024	83.4644	782.1172	749.9448	1.6999	109.8343	31.9953	141.8296	48.4343	29.4700	77.9043	0.0000	164,359.2210	164,359.2210	52.6170	0.0000	165,674.6451
Maximum	**103.9519**	**1,085.2951**	**842.4030**	**1.8293**	**162.3356**	**46.1212**	**202.8011**	**70.7281**	**42.4782**	**107.9951**	**0.0000**	**176,897.2379**	**176,897.2379**	**56.6664**	**0.0000**	**178,313.8987**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	22.8451	116.9556	765.1231	1.4224	35.5269	3.2552	38.7821	16.8035	3.1833	19.9868	0.0000	137,575.7235	137,575.7235	44.0001	0.0000	138,675.7262
2021	27.0711	142.5639	920.6329	1.7226	32.7685	3.8663	36.6347	15.2089	3.7847	18.9936	0.0000	166,594.5095	166,594.5095	53.3536	0.0000	167,928.3488
2022	29.4565	161.5169	973.5570	1.8254	55.3913	4.7693	60.1606	25.4321	4.6251	30.0571	0.0000	176,540.0582	176,540.0582	56.5647	0.0000	177,954.1752
2023	27.8662	143.2942	975.8582	1.8293	63.3109	3.7266	67.0375	27.5840	3.6707	31.2547	0.0000	176,897.2377	176,897.2377	56.6664	0.0000	178,313.8985
2024	26.1610	136.4668	919.4319	1.6999	42.8354	3.4419	46.2773	18.8894	3.3911	22.2804	0.0000	164,359.2208	164,359.2208	52.6170	0.0000	165,674.6449
Maximum	**29.4565**	**161.5169**	**975.8582**	**1.8293**	**63.3109**	**4.7693**	**67.0375**	**27.5840**	**4.6251**	**31.2547**	**0.0000**	**176,897.2377**	**176,897.2377**	**56.6664**	**0.0000**	**178,313.8985**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**72.19**	**85.59**	**-16.50**	**0.00**	**61.00**	**90.65**	**68.62**	**61.00**	**90.07**	**73.02**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	909.6882	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Energy	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
Total	**912.1233**	**22.1746**	**22.7268**	**0.1331**		**1.6971**	**1.6971**		**1.6971**	**1.6971**		**26,573.9407**	**26,573.9407**	**0.5321**	**0.4870**	**26,732.3774**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	909.6882	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Energy	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
Total	**912.1233**	**22.1746**	**22.7268**	**0.1331**		**1.6971**	**1.6971**		**1.6971**	**1.6971**		**26,573.9407**	**26,573.9407**	**0.5321**	**0.4870**	**26,732.3774**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Plots 2 and 4 (2020) Mass Excavation	Grading	1/1/2020	12/31/2020	5	262	11
2	Plots 2 and 4 (2020) Finish Grading	Grading	1/1/2020	12/31/2020	5	262	12
3	Plots 2 and 4 (2020) Utilities	Trenching	1/1/2020	12/31/2020	5	262	13
4	Plots 2 and 4 (2020) Landscaping	Building Construction	1/1/2020	12/31/2020	5	262	14
5	Plots 2 and 4 (2020) Building Concrete	Building Construction	1/1/2020	12/31/2020	5	262	15
6	Plots 2 and 4 (2020) Building-Wet Utilities	Building Construction	1/1/2020	12/31/2020	5	262	16
7	Plots 2 and 4 (2020) Building-Electrical	Building Construction	1/1/2020	12/31/2020	5	262	17
8	Plots 2 and 4 (2020) Temporary Utilities	Building Construction	1/1/2020	12/31/2020	5	262	18
9	Plots 2 and 4 (2020) Building-Landscaping	Building Construction	1/1/2020	12/31/2020	5	262	19
10	Plots 2 and 4 (2020) Paving	Paving	1/1/2020	12/31/2020	5	262	20
11	Plots 2 and 4 (2020) Curbing/Drive Approaches	Paving	1/1/2020	12/31/2020	5	262	21
12	Plot 4 (2021) Mass Excavation	Grading	1/1/2021	12/31/2021	5	261	22
13	Plot 4 (2021) Finish Grading	Grading	1/1/2021	12/31/2021	5	261	23
14	Plot 4 (2021) Utilities	Trenching	1/1/2021	12/31/2021	5	261	24
15	Plot 4 (2021) Building-Concrete	Building Construction	1/1/2021	12/31/2021	5	261	25
16	Plot 4 (2021) Building-Wet Utilities	Building Construction	1/1/2021	12/31/2021	5	261	26

17	Plot 4 (2021) Building-Electrical	Building Construction	1/1/2021	12/31/2021	5	261	27
18	Plot 4 (2021) Building-Landscaping	Building Construction	1/1/2021	12/31/2021	5	261	28
19	Plot 4 (2021) Landscaping	Building Construction	1/1/2021	12/31/2021	5	261	29
20	Plot 4 (2021) Temporary Utilities	Building Construction	1/1/2021	12/31/2021	5	261	30
21	Plot 4 (2021) Curbing/Drive Approaches	Paving	1/1/2021	12/31/2021	5	261	31
22	Plot 4 (2021) Paving	Paving	1/1/2021	12/31/2021	5	261	32
23	Plots 4 and 9 (2022) Mass Excavation	Grading	1/1/2022	12/31/2022	5	260	33
24	Plots 4 and 9 (2022) Finish Grading	Grading	1/1/2022	12/31/2022	5	260	34
25	Plots 4 and 9 (2022) Utilities	Trenching	1/1/2022	12/31/2022	5	260	35
26	Plots 4 and 9 (2022) Building-Concrete	Building Construction	1/1/2022	12/31/2022	5	260	36
27	Plots 4 and 9 (2022) Building-Wet Utilities	Building Construction	1/1/2022	12/31/2022	5	260	37
28	Plots 4 and 9 (2022) Building-Electrical	Building Construction	1/1/2022	12/31/2022	5	260	38
29	Plots 4 and 9 (2022) Building-Landscaping	Building Construction	1/1/2022	12/31/2022	5	260	39
30	Plots 4 and 9 (2022) Landscaping	Building Construction	1/1/2022	12/31/2022	5	260	40
31	Plots 4 and 9 (2022) Temporary Utilities	Building Construction	1/1/2022	12/31/2022	5	260	41
32	Plots 4 and 9 (2022) Curbing/Drive Approaches	Paving	1/1/2022	12/31/2022	5	260	42
33	Plots 4 and 9 (2022) Paving	Paving	1/1/2022	12/31/2022	5	260	43
34	Plot 9 (2023) Mass Excavation	Grading	1/1/2023	12/31/2023	5	260	44
35	Plot 9 (2023) Finish Grading	Grading	1/1/2023	12/31/2023	5	260	45
36	Plot 9 (2023) Utilities	Trenching	1/1/2023	12/31/2023	5	260	46
37	Plot 9 (2023) Building-Concrete	Building Construction	1/1/2023	12/31/2023	5	260	47
38	Plot 9 (2023) Building-Wet Utilities	Building Construction	1/1/2023	12/31/2023	5	260	48
39	Plot 9 (2023) Building-Electrical	Building Construction	1/1/2023	12/31/2023	5	260	49
40	Plot 9 (2023) Building-Landscaping	Building Construction	1/1/2023	12/31/2023	5	260	50
41	Plot 9 (2023) Interchange	Building Construction	1/1/2023	12/31/2023	5	260	51
42	Plot 9 (2023) Landscaping	Building Construction	1/1/2023	12/31/2023	5	260	52
43	Plot 9 (2023) Temporary Utilities	Building Construction	1/1/2023	12/31/2023	5	260	53
44	Plot 9 (2023) Curbing/Drive Approaches	Paving	1/1/2023	12/31/2023	5	260	54
45	Plot 9 (2023) Paving	Paving	1/1/2023	12/31/2023	5	260	55
46	Plots 9 and 1,3,20 (2024) Mass Excavation	Grading	1/1/2024	12/31/2024	5	261	56
47	Plots 9 and 1,3,20 (2024) Finish Grading	Grading	1/1/2024	12/31/2024	5	262	57
48	Plots 9 and 1,3,20 (2024) Utilities	Trenching	1/1/2024	12/31/2024	5	262	58

49	Plots 9 and 1,3,20 (2024) Building-Concrete	Building Construction	1/1/2024	12/31/2024	5	262	59
50	Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Building Construction	1/1/2024	12/31/2024	5	262	60
51	Plots 9 and 1,3,20 (2024) Building-Electrical	Building Construction	1/1/2024	12/31/2024	5	262	61
52	Plots 9 and 1,3,20 (2024) Building-Landscaping	Building Construction	1/1/2024	12/31/2024	5	262	62
53	Plots 9 and 1,3,20 (2024) Interchange	Building Construction	1/1/2024	12/31/2024	5	262	63
54	Plots 9 and 1,3,20 (2024) Landscaping	Building Construction	1/1/2024	12/31/2024	5	262	64
55	Plots 9 and 1,3,20 (2024) Temporary Utilities	Building Construction	1/1/2024	12/31/2024	5	262	65
56	Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	Paving	1/1/2024	12/31/2024	5	262	66
57	Plots 9 and 1,3,20 (2024) Paving	Paving	1/1/2024	12/31/2024	5	262	67

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 123.6

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Plots 2 and 4 (2020) Mass Excavation	Graders	1	10.00	193	0.41
Plots 2 and 4 (2020) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plots 2 and 4 (2020) Mass Excavation	Other Material Handling Equipment	4	1.00	167	0.40
Plots 2 and 4 (2020) Mass Excavation	Other Material Handling Equipment	4	1.00	167	0.40
Plots 2 and 4 (2020) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 2 and 4 (2020) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 2 and 4 (2020) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 2 and 4 (2020) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 2 and 4 (2020) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plots 2 and 4 (2020) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plots 2 and 4 (2020) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plots 2 and 4 (2020) Mass Excavation	Rubber Tired Dozers	3	10.00	85	0.40
Plots 2 and 4 (2020) Mass Excavation	Scrapers	6	10.00	550	0.48
Plots 2 and 4 (2020) Mass Excavation	Scrapers	12	10.00	550	0.48

Plots 2 and 4 (2020) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 2 and 4 (2020) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 2 and 4 (2020) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 2 and 4 (2020) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plots 2 and 4 (2020) Finish Grading	Rubber Tired Dozers	3	10.00	85	0.40
Plots 2 and 4 (2020) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 2 and 4 (2020) Utilities	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 2 and 4 (2020) Utilities	Excavators	2	10.00	523	0.38
Plots 2 and 4 (2020) Utilities	Excavators	5	10.00	286	0.38
Plots 2 and 4 (2020) Utilities	Excavators	2	10.00	190	0.38
Plots 2 and 4 (2020) Utilities	Excavators	4	10.00	396	0.38
Plots 2 and 4 (2020) Utilities	Excavators	2	10.00	190	0.38
Plots 2 and 4 (2020) Utilities	Excavators	2	10.00	188	0.38
Plots 2 and 4 (2020) Utilities	Excavators	8	10.00	40	0.38
Plots 2 and 4 (2020) Utilities	Forklifts	4	10.00	89	0.20
Plots 2 and 4 (2020) Utilities	Other Material Handling Equipment	7	1.00	167	0.40
Plots 2 and 4 (2020) Utilities	Other Material Handling Equipment	16	1.00	167	0.40
Plots 2 and 4 (2020) Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 2 and 4 (2020) Utilities	Tractors/Loaders/Backhoes	8	10.00	90	0.37
Plots 2 and 4 (2020) Landscaping	Excavators	2	10.00	29	0.38
Plots 2 and 4 (2020) Landscaping	Forklifts	2	10.00	125	0.20
Plots 2 and 4 (2020) Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 2 and 4 (2020) Landscaping	Other Material Handling Equipment	10	1.00	167	0.40
Plots 2 and 4 (2020) Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 2 and 4 (2020) Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 2 and 4 (2020) Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 2 and 4 (2020) Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plots 2 and 4 (2020) Landscaping	Trenchers	2	10.00	39	0.50
Plots 2 and 4 (2020) Building Concrete	Cement and Mortar Mixers	15	1.00	9	0.56
Plots 2 and 4 (2020) Building Concrete	Other Material Handling Equipment	2	1.00	167	0.40
Plots 2 and 4 (2020) Building Concrete	Pumps	2	10.00	84	0.74
Plots 2 and 4 (2020) Building Concrete	Tractors/Loaders/Backhoes	4	10.00	78	0.37

Plots 2 and 4 (2020) Building-Wet Utilities	Excavators	2	10.00	300	0.38
Plots 2 and 4 (2020) Building-Wet Utilities	Excavators	2	10.00	179	0.38
Plots 2 and 4 (2020) Building-Wet Utilities	Excavators	2	10.00	173	0.38
Plots 2 and 4 (2020) Building-Wet Utilities	Other Material Handling Equipment	15	1.00	167	0.40
Plots 2 and 4 (2020) Building-Wet Utilities	Rubber Tired Loaders	6	10.00	152	0.36
Plots 2 and 4 (2020) Building-Wet Utilities	Tractors/Loaders/Backhoes	4	10.00	85	0.37
Plots 2 and 4 (2020) Building-Wet Utilities	Tractors/Loaders/Backhoes	6	10.00	108	0.37
Plots 2 and 4 (2020) Building-Electrical	Cement and Mortar Mixers	16	1.00	9	0.56
Plots 2 and 4 (2020) Building-Electrical	Excavators	4	10.00	40	0.38
Plots 2 and 4 (2020) Building-Electrical	Forklifts	4	10.00	89	0.20
Plots 2 and 4 (2020) Building-Electrical	Other Material Handling Equipment	6	1.00	167	0.40
Plots 2 and 4 (2020) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 2 and 4 (2020) Temporary Utilities	Cranes	2	10.00	445	0.29
Plots 2 and 4 (2020) Building-Landscaping	Excavators	2	10.00	29	0.38
Plots 2 and 4 (2020) Building-Landscaping	Forklifts	2	10.00	125	0.20
Plots 2 and 4 (2020) Building-Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 2 and 4 (2020) Building-Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 2 and 4 (2020) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 2 and 4 (2020) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plots 2 and 4 (2020) Building-Landscaping	Trenchers	2	10.00	39	0.50
Plots 2 and 4 (2020) Paving	Other Material Handling Equipment	6	1.00	167	0.40
Plots 2 and 4 (2020) Paving	Pavers	2	10.00	126	0.42
Plots 2 and 4 (2020) Paving	Paving Equipment	2	10.00	131	0.36
Plots 2 and 4 (2020) Paving	Plate Compactors	2	10.00	8	0.43
Plots 2 and 4 (2020) Paving	Rollers	2	10.00	81	0.38
Plots 2 and 4 (2020) Paving	Scrapers	2	10.00	362	0.48
Plots 2 and 4 (2020) Paving	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 2 and 4 (2020) Curbing/Drive Approaches	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 2 and 4 (2020) Curbing/Drive Approaches	Other Material Handling Equipment	4	1.00	167	0.40
Plots 2 and 4 (2020) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plots 2 and 4 (2020) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plots 2 and 4 (2020) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37

Plot 4 (2021) Mass Excavation	Graders	2	10.00	193	0.41
Plot 4 (2021) Mass Excavation	Off-Highway Trucks	2	10.00	400	0.38
Plot 4 (2021) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40
Plot 4 (2021) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40
Plot 4 (2021) Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plot 4 (2021) Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plot 4 (2021) Mass Excavation	Rubber Tired Dozers	2	10.00	305	0.40
Plot 4 (2021) Mass Excavation	Rubber Tired Dozers	2	10.00	140	0.40
Plot 4 (2021) Mass Excavation	Rubber Tired Dozers	3	10.00	85	0.40
Plot 4 (2021) Mass Excavation	Rubber Tired Dozers	3	10.00	580	0.40
Plot 4 (2021) Mass Excavation	Rubber Tired Dozers	3	10.00	580	0.40
Plot 4 (2021) Mass Excavation	Rubber Tired Dozers	3	10.00	410	0.40
Plot 4 (2021) Mass Excavation	Scrapers	6	10.00	550	0.48
Plot 4 (2021) Mass Excavation	Scrapers	14	10.00	550	0.48
Plot 4 (2021) Mass Excavation	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 4 (2021) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 4 (2021) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 4 (2021) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plot 4 (2021) Finish Grading	Rubber Tired Dozers	3	10.00	85	0.40
Plot 4 (2021) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 4 (2021) Utilities	Cement and Mortar Mixers	8	1.00	9	0.56
Plot 4 (2021) Utilities	Excavators	2	10.00	523	0.38
Plot 4 (2021) Utilities	Excavators	10	10.00	286	0.38
Plot 4 (2021) Utilities	Excavators	2	10.00	190	0.38
Plot 4 (2021) Utilities	Excavators	4	10.00	396	0.38
Plot 4 (2021) Utilities	Excavators	2	10.00	190	0.38
Plot 4 (2021) Utilities	Excavators	2	10.00	188	0.38
Plot 4 (2021) Utilities	Excavators	8	10.00	40	0.38
Plot 4 (2021) Utilities	Forklifts	4	10.00	89	0.20
Plot 4 (2021) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 4 (2021) Utilities	Other Material Handling Equipment	18	1.00	167	0.40
Plot 4 (2021) Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37

Plot 4 (2021) Utilities	Tractors/Loaders/Backhoes	8	10.00	90	0.37
Plot 4 (2021) Building-Concrete	Cement and Mortar Mixers	30	1.00	9	0.56
Plot 4 (2021) Building-Concrete	Other Material Handling Equipment	2	1.00	167	0.40
Plot 4 (2021) Building-Concrete	Pumps	2	10.00	84	0.74
Plot 4 (2021) Building-Concrete	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plot 4 (2021) Building-Wet Utilities	Excavators	2	10.00	300	0.38
Plot 4 (2021) Building-Wet Utilities	Excavators	2	10.00	179	0.38
Plot 4 (2021) Building-Wet Utilities	Excavators	2	10.00	173	0.38
Plot 4 (2021) Building-Wet Utilities	Other Material Handling Equipment	15	1.00	167	0.40
Plot 4 (2021) Building-Wet Utilities	Rubber Tired Loaders	6	10.00	152	0.36
Plot 4 (2021) Building-Wet Utilities	Tractors/Loaders/Backhoes	4	10.00	108	0.37
Plot 4 (2021) Building-Wet Utilities	Tractors/Loaders/Backhoes	6	10.00	108	0.37
Plot 4 (2021) Building-Electrical	Cement and Mortar Mixers	18	1.00	9	0.56
Plot 4 (2021) Building-Electrical	Excavators	10	10.00	40	0.38
Plot 4 (2021) Building-Electrical	Forklifts	4	10.00	89	0.20
Plot 4 (2021) Building-Electrical	Other Material Handling Equipment	6	1.00	167	0.40
Plot 4 (2021) Building-Electrical	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plot 4 (2021) Building-Landscaping	Excavators	2	10.00	29	0.38
Plot 4 (2021) Building-Landscaping	Forklifts	2	10.00	125	0.20
Plot 4 (2021) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plot 4 (2021) Building-Landscaping	Other Material Handling Equipment	3	1.00	167	0.40
Plot 4 (2021) Building-Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plot 4 (2021) Building-Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plot 4 (2021) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plot 4 (2021) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plot 4 (2021) Building-Landscaping	Trenchers	2	10.00	39	0.50
Plot 4 (2021) Landscaping	Excavators	2	10.00	29	0.38
Plot 4 (2021) Landscaping	Forklifts	2	10.00	125	0.20
Plot 4 (2021) Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 4 (2021) Landscaping	Other Material Handling Equipment	10	1.00	167	0.40
Plot 4 (2021) Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plot 4 (2021) Landscaping	Skid Steer Loaders	2	10.00	69	0.37

Plot 4 (2021) Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plot 4 (2021) Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plot 4 (2021) Landscaping	Trenchers	2	10.00	39	0.50
Plot 4 (2021) Temporary Utilities	Cranes	2	10.00	445	0.29
Plot 4 (2021) Curbing/Drive Approaches	Cement and Mortar Mixers	8	1.00	9	0.56
Plot 4 (2021) Curbing/Drive Approaches	Other Material Handling Equipment	4	1.00	167	0.40
Plot 4 (2021) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plot 4 (2021) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plot 4 (2021) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plot 4 (2021) Paving	Other Material Handling Equipment	6	1.00	167	0.40
Plot 4 (2021) Paving	Pavers	2	10.00	126	0.42
Plot 4 (2021) Paving	Paving Equipment	2	10.00	131	0.36
Plot 4 (2021) Paving	Plate Compactors	2	10.00	8	0.43
Plot 4 (2021) Paving	Rollers	2	10.00	81	0.38
Plot 4 (2021) Paving	Scrapers	2	10.00	362	0.48
Plot 4 (2021) Paving	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 4 and 9 (2022) Mass Excavation	Graders	2	10.00	193	0.41
Plots 4 and 9 (2022) Mass Excavation	Off-Highway Trucks	2	10.00	400	0.38
Plots 4 and 9 (2022) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40
Plots 4 and 9 (2022) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40
Plots 4 and 9 (2022) Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plots 4 and 9 (2022) Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plots 4 and 9 (2022) Mass Excavation	Rubber Tired Dozers	4	10.00	580	0.40
Plots 4 and 9 (2022) Mass Excavation	Rubber Tired Dozers	4	10.00	580	0.40
Plots 4 and 9 (2022) Mass Excavation	Rubber Tired Dozers	4	10.00	410	0.40
Plots 4 and 9 (2022) Mass Excavation	Rubber Tired Dozers	2	10.00	305	0.40
Plots 4 and 9 (2022) Mass Excavation	Rubber Tired Dozers	2	10.00	140	0.40
Plots 4 and 9 (2022) Mass Excavation	Rubber Tired Dozers	3	10.00	85	0.40
Plots 4 and 9 (2022) Mass Excavation	Scrapers	6	10.00	550	0.48
Plots 4 and 9 (2022) Mass Excavation	Scrapers	14	10.00	550	0.48
Plots 4 and 9 (2022) Mass Excavation	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 4 and 9 (2022) Finish Grading	Other Construction Equipment	2	10.00	167	0.42

Plots 4 and 9 (2022) Finish Grading	Other Construction Equipment	2	10.00	167	0.42
Plots 4 and 9 (2022) Finish Grading	Rubber Tired Dozers	2	10.00	140	0.40
Plots 4 and 9 (2022) Finish Grading	Rubber Tired Dozers	4	10.00	85	0.40
Plots 4 and 9 (2022) Finish Grading	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 4 and 9 (2022) Utilities	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 4 and 9 (2022) Utilities	Excavators	2	10.00	523	0.38
Plots 4 and 9 (2022) Utilities	Excavators	10	10.00	286	0.38
Plots 4 and 9 (2022) Utilities	Excavators	2	10.00	190	0.38
Plots 4 and 9 (2022) Utilities	Excavators	4	10.00	396	0.38
Plots 4 and 9 (2022) Utilities	Excavators	2	10.00	190	0.38
Plots 4 and 9 (2022) Utilities	Excavators	2	10.00	188	0.38
Plots 4 and 9 (2022) Utilities	Excavators	8	10.00	40	0.38
Plots 4 and 9 (2022) Utilities	Forklifts	4	10.00	89	0.20
Plots 4 and 9 (2022) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 4 and 9 (2022) Utilities	Other Material Handling Equipment	18	1.00	167	0.40
Plots 4 and 9 (2022) Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 4 and 9 (2022) Utilities	Tractors/Loaders/Backhoes	8	10.00	90	0.37
Plots 4 and 9 (2022) Building-Concrete	Cement and Mortar Mixers	30	1.00	9	0.56
Plots 4 and 9 (2022) Building-Concrete	Other Material Handling Equipment	2	1.00	167	0.40
Plots 4 and 9 (2022) Building-Concrete	Pumps	2	10.00	84	0.74
Plots 4 and 9 (2022) Building-Concrete	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plots 4 and 9 (2022) Building-Wet Utilities	Excavators	2	10.00	300	0.38
Plots 4 and 9 (2022) Building-Wet Utilities	Excavators	2	10.00	179	0.38
Plots 4 and 9 (2022) Building-Wet Utilities	Excavators	2	10.00	173	0.38
Plots 4 and 9 (2022) Building-Wet Utilities	Other Material Handling Equipment	15	1.00	167	0.40
Plots 4 and 9 (2022) Building-Wet Utilities	Rubber Tired Loaders	6	10.00	152	0.36
Plots 4 and 9 (2022) Building-Wet Utilities	Tractors/Loaders/Backhoes	4	10.00	85	0.37
Plots 4 and 9 (2022) Building-Wet Utilities	Tractors/Loaders/Backhoes	6	10.00	108	0.37
Plots 4 and 9 (2022) Building-Electrical	Cement and Mortar Mixers	18	1.00	9	0.56
Plots 4 and 9 (2022) Building-Electrical	Excavators	10	10.00	40	0.38
Plots 4 and 9 (2022) Building-Electrical	Forklifts	4	10.00	89	0.20
Plots 4 and 9 (2022) Building-Electrical	Other Material Handling Equipment	6	1.00	167	0.40

Plots 4 and 9 (2022) Building-Electrical	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plots 4 and 9 (2022) Building-Landscaping	Excavators	2	10.00	29	0.38
Plots 4 and 9 (2022) Building-Landscaping	Forklifts	2	10.00	125	0.20
Plots 4 and 9 (2022) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plots 4 and 9 (2022) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plots 4 and 9 (2022) Building-Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 4 and 9 (2022) Building-Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 4 and 9 (2022) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 4 and 9 (2022) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plots 4 and 9 (2022) Building-Landscaping	Trenchers	2	10.00	39	0.50
Plots 4 and 9 (2022) Landscaping	Excavators	2	10.00	29	0.38
Plots 4 and 9 (2022) Landscaping	Forklifts	2	10.00	125	0.20
Plots 4 and 9 (2022) Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 4 and 9 (2022) Landscaping	Other Material Handling Equipment	10	1.00	167	0.40
Plots 4 and 9 (2022) Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 4 and 9 (2022) Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 4 and 9 (2022) Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 4 and 9 (2022) Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plots 4 and 9 (2022) Landscaping	Trenchers	2	10.00	39	0.50
Plots 4 and 9 (2022) Temporary Utilities	Cranes	2	10.00	445	0.29
Plots 4 and 9 (2022) Curbing/Drive Approaches	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 4 and 9 (2022) Curbing/Drive Approaches	Other Material Handling Equipment	4	1.00	167	0.40
Plots 4 and 9 (2022) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plots 4 and 9 (2022) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plots 4 and 9 (2022) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plots 4 and 9 (2022) Paving	Other Material Handling Equipment	6	1.00	167	0.40
Plots 4 and 9 (2022) Paving	Pavers	2	10.00	126	0.42
Plots 4 and 9 (2022) Paving	Paving Equipment	2	10.00	131	0.36
Plots 4 and 9 (2022) Paving	Plate Compactors	2	10.00	8	0.43
Plots 4 and 9 (2022) Paving	Rollers	2	10.00	81	0.38
Plots 4 and 9 (2022) Paving	Scrapers	2	10.00	362	0.48
Plots 4 and 9 (2022) Paving	Tractors/Loaders/Backhoes	4	10.00	90	0.37

Plot 9 (2023) Mass Excavation	Graders	2	10.00	193	0.41
Plot 9 (2023) Mass Excavation	Off-Highway Trucks	2	10.00	400	0.38
Plot 9 (2023) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40
Plot 9 (2023) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40
Plot 9 (2023) Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plot 9 (2023) Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plot 9 (2023) Mass Excavation	Rubber Tired Dozers	4	10.00	580	0.40
Plot 9 (2023) Mass Excavation	Rubber Tired Dozers	4	10.00	580	0.40
Plot 9 (2023) Mass Excavation	Rubber Tired Dozers	4	10.00	410	0.40
Plot 9 (2023) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plot 9 (2023) Mass Excavation	Rubber Tired Dozers	2	10.00	140	0.40
Plot 9 (2023) Mass Excavation	Rubber Tired Dozers	3	10.00	85	0.40
Plot 9 (2023) Mass Excavation	Scrapers	6	10.00	550	0.48
Plot 9 (2023) Mass Excavation	Scrapers	12	10.00	550	0.48
Plot 9 (2023) Mass Excavation	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 9 (2023) Finish Grading	Other Material Handling Equipment	2	1.00	167	0.40
Plot 9 (2023) Finish Grading	Other Material Handling Equipment	2	1.00	167	0.40
Plot 9 (2023) Finish Grading	Rubber Tired Dozers	2	10.00	140	0.40
Plot 9 (2023) Finish Grading	Rubber Tired Dozers	4	10.00	85	0.40
Plot 9 (2023) Finish Grading	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 9 (2023) Utilities	Cement and Mortar Mixers	8	1.00	9	0.56
Plot 9 (2023) Utilities	Excavators	2	10.00	523	0.38
Plot 9 (2023) Utilities	Excavators	10	10.00	286	0.38
Plot 9 (2023) Utilities	Excavators	2	10.00	190	0.38
Plot 9 (2023) Utilities	Excavators	4	10.00	396	0.38
Plot 9 (2023) Utilities	Excavators	2	10.00	190	0.38
Plot 9 (2023) Utilities	Excavators	2	10.00	188	0.38
Plot 9 (2023) Utilities	Excavators	8	10.00	40	0.38
Plot 9 (2023) Utilities	Forklifts	4	10.00	89	0.20
Plot 9 (2023) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 9 (2023) Utilities	Other Material Handling Equipment	18	1.00	167	0.40
Plot 9 (2023) Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37

Plot 9 (2023) Utilities	Tractors/Loaders/Backhoes	8	10.00	90	0.37
Plot 9 (2023) Building-Concrete	Cement and Mortar Mixers	30	1.00	9	0.56
Plot 9 (2023) Building-Concrete	Other Material Handling Equipment	2	1.00	167	0.40
Plot 9 (2023) Building-Concrete	Pumps	2	10.00	84	0.74
Plot 9 (2023) Building-Concrete	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plot 9 (2023) Building-Wet Utilities	Excavators	2	10.00	300	0.38
Plot 9 (2023) Building-Wet Utilities	Excavators	2	10.00	179	0.38
Plot 9 (2023) Building-Wet Utilities	Excavators	2	10.00	173	0.38
Plot 9 (2023) Building-Wet Utilities	Other Material Handling Equipment	15	1.00	167	0.40
Plot 9 (2023) Building-Wet Utilities	Rubber Tired Loaders	6	10.00	152	0.36
Plot 9 (2023) Building-Wet Utilities	Tractors/Loaders/Backhoes	6	10.00	108	0.37
Plot 9 (2023) Building-Wet Utilities	Tractors/Loaders/Backhoes	4	10.00	85	0.37
Plot 9 (2023) Building-Electrical	Cement and Mortar Mixers	18	1.00	9	0.56
Plot 9 (2023) Building-Electrical	Excavators	10	10.00	40	0.38
Plot 9 (2023) Building-Electrical	Forklifts	4	10.00	89	0.20
Plot 9 (2023) Building-Electrical	Other Material Handling Equipment	6	1.00	167	0.40
Plot 9 (2023) Building-Electrical	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plot 9 (2023) Building-Landscaping	Excavators	2	10.00	29	0.38
Plot 9 (2023) Building-Landscaping	Forklifts	2	10.00	125	0.20
Plot 9 (2023) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plot 9 (2023) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plot 9 (2023) Building-Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plot 9 (2023) Building-Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plot 9 (2023) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plot 9 (2023) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plot 9 (2023) Building-Landscaping	Trenchers	2	10.00	39	0.50
Plot 9 (2023) Landscaping	Excavators	2	10.00	29	0.38
Plot 9 (2023) Landscaping	Forklifts	2	10.00	125	0.20
Plot 9 (2023) Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 9 (2023) Landscaping	Other Material Handling Equipment	10	1.00	167	0.40
Plot 9 (2023) Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plot 9 (2023) Landscaping	Skid Steer Loaders	2	10.00	69	0.37

Plot 9 (2023) Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plot 9 (2023) Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plot 9 (2023) Landscaping	Trenchers	2	10.00	39	0.50
Plot 9 (2023) Temporary Utilities	Cranes	2	10.00	445	0.29
Plot 9 (2023) Curbing/Drive Approaches	Cement and Mortar Mixers	8	1.00	9	0.56
Plot 9 (2023) Curbing/Drive Approaches	Other Material Handling Equipment	6	1.00	167	0.40
Plot 9 (2023) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plot 9 (2023) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plot 9 (2023) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plot 9 (2023) Paving	Other Material Handling Equipment	6	1.00	167	0.40
Plot 9 (2023) Paving	Pavers	2	10.00	126	0.42
Plot 9 (2023) Paving	Paving Equipment	2	10.00	131	0.36
Plot 9 (2023) Paving	Plate Compactors	2	10.00	8	0.43
Plot 9 (2023) Paving	Rollers	2	10.00	81	0.38
Plot 9 (2023) Paving	Scrapers	2	10.00	362	0.48
Plot 9 (2023) Paving	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 9 (2023) Interchange	Bore/Drill Rigs	1	10.00	206	0.50
Plot 9 (2023) Interchange	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 9 (2023) Interchange	Cranes	1	10.00	226	0.29
Plot 9 (2023) Interchange	Excavators	1	10.00	190	0.38
Plot 9 (2023) Interchange	Graders	1	10.00	259	0.41
Plot 9 (2023) Interchange	Other General Industrial Equipment	1	10.00	88	0.34
Plot 9 (2023) Interchange	Other Material Handling Equipment	4	1.00	167	0.40
Plot 9 (2023) Interchange	Rubber Tired Dozers	1	10.00	410	0.40
Plot 9 (2023) Interchange	Rubber Tired Dozers	1	10.00	140	0.40
Plot 9 (2023) Interchange	Rubber Tired Loaders	1	10.00	180	0.36
Plot 9 (2023) Interchange	Scrapers	1	10.00	330	0.48
Plot 9 (2023) Interchange	Tractors/Loaders/Backhoes	1	10.00	98	0.37
Plot 9 (2023) Interchange	Tractors/Loaders/Backhoes	1	10.00	90	0.37
Plots 9 and 1,3,20 (2024) Mass Excavation	Graders	2	10.00	193	0.41
Plots 9 and 1,3,20 (2024) Mass Excavation	Off-Highway Trucks	2	10.00	400	0.38
Plots 9 and 1,3,20 (2024) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40

Plots 9 and 1,3,20 (2024) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plots 9 and 1,3,20 (2024) Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plots 9 and 1,3,20 (2024) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 9 and 1,3,20 (2024) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 9 and 1,3,20 (2024) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plots 9 and 1,3,20 (2024) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plots 9 and 1,3,20 (2024) Mass Excavation	Rubber Tired Dozers	2	10.00	140	0.40
Plots 9 and 1,3,20 (2024) Mass Excavation	Rubber Tired Dozers	3	10.00	85	0.40
Plots 9 and 1,3,20 (2024) Mass Excavation	Scrapers	6	10.00	550	0.48
Plots 9 and 1,3,20 (2024) Mass Excavation	Scrapers	12	10.00	550	0.48
Plots 9 and 1,3,20 (2024) Mass Excavation	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 9 and 1,3,20 (2024) Utilities	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 9 and 1,3,20 (2024) Utilities	Excavators	2	10.00	523	0.38
Plots 9 and 1,3,20 (2024) Utilities	Excavators	10	10.00	286	0.38
Plots 9 and 1,3,20 (2024) Utilities	Excavators	2	10.00	190	0.38
Plots 9 and 1,3,20 (2024) Utilities	Excavators	4	10.00	396	0.38
Plots 9 and 1,3,20 (2024) Utilities	Excavators	2	10.00	190	0.38
Plots 9 and 1,3,20 (2024) Utilities	Excavators	2	10.00	188	0.38
Plots 9 and 1,3,20 (2024) Utilities	Excavators	8	10.00	40	0.38
Plots 9 and 1,3,20 (2024) Utilities	Forklifts	4	10.00	89	0.20
Plots 9 and 1,3,20 (2024) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Utilities	Other Material Handling Equipment	20	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 9 and 1,3,20 (2024) Utilities	Tractors/Loaders/Backhoes	8	10.00	90	0.37
Plots 9 and 1,3,20 (2024) Building-Concrete	Cement and Mortar Mixers	30	1.00	9	0.56
Plots 9 and 1,3,20 (2024) Building-Concrete	Other Material Handling Equipment	2	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Building-Concrete	Pumps	2	10.00	84	0.74
Plots 9 and 1,3,20 (2024) Building-Concrete	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Excavators	2	10.00	300	0.38
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Excavators	2	10.00	179	0.38
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Excavators	2	10.00	173	0.38

Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Other Material Handling Equipment	15	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Rubber Tired Loaders	6	10.00	152	0.36
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Tractors/Loaders/Backhoes	6	10.00	108	0.37
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Tractors/Loaders/Backhoes	4	10.00	85	0.37
Plots 9 and 1,3,20 (2024) Building-Electrical	Cement and Mortar Mixers	12	1.00	9	0.56
Plots 9 and 1,3,20 (2024) Building-Electrical	Excavators	10	10.00	40	0.38
Plots 9 and 1,3,20 (2024) Building-Electrical	Forklifts	4	10.00	89	0.20
Plots 9 and 1,3,20 (2024) Building-Electrical	Other Material Handling Equipment	6	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Building-Electrical	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plots 9 and 1,3,20 (2024) Building-Landscaping	Excavators	2	10.00	29	0.38
Plots 9 and 1,3,20 (2024) Building-Landscaping	Forklifts	2	10.00	125	0.20
Plots 9 and 1,3,20 (2024) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Building-Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 9 and 1,3,20 (2024) Building-Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 9 and 1,3,20 (2024) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 9 and 1,3,20 (2024) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plots 9 and 1,3,20 (2024) Building-Landscaping	Trenchers	2	10.00	39	0.50
Plots 9 and 1,3,20 (2024) Landscaping	Excavators	2	10.00	29	0.38
Plots 9 and 1,3,20 (2024) Landscaping	Forklifts	2	10.00	125	0.20
Plots 9 and 1,3,20 (2024) Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Landscaping	Other Material Handling Equipment	10	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 9 and 1,3,20 (2024) Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 9 and 1,3,20 (2024) Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 9 and 1,3,20 (2024) Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plots 9 and 1,3,20 (2024) Landscaping	Trenchers	2	10.00	39	0.50
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	Other Material Handling Equipment	6	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	Paving Equipment	2	10.00	99	0.36
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	Paving Equipment	2	10.00	131	0.36
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	2	10.00	55	0.37

Plots 9 and 1,3,20 (2024) Temporary Utilities	Cranes	2	10.00	445	0.29
Plots 9 and 1,3,20 (2024) Interchange	Bore/Drill Rigs	1	10.00	206	0.50
Plots 9 and 1,3,20 (2024) Interchange	Cement and Mortar Mixers	4	1.00	9	0.56
Plots 9 and 1,3,20 (2024) Interchange	Cranes	1	10.00	226	0.29
Plots 9 and 1,3,20 (2024) Interchange	Excavators	1	10.00	190	0.38
Plots 9 and 1,3,20 (2024) Interchange	Graders	1	10.00	259	0.41
Plots 9 and 1,3,20 (2024) Interchange	Other General Industrial Equipment	1	10.00	88	0.34
Plots 9 and 1,3,20 (2024) Interchange	Other Material Handling Equipment	4	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Interchange	Rubber Tired Dozers	1	10.00	410	0.40
Plots 9 and 1,3,20 (2024) Interchange	Rubber Tired Dozers	1	10.00	140	0.40
Plots 9 and 1,3,20 (2024) Interchange	Rubber Tired Loaders	1	10.00	180	0.36
Plots 9 and 1,3,20 (2024) Interchange	Scrapers	1	10.00	330	0.48
Plots 9 and 1,3,20 (2024) Interchange	Tractors/Loaders/Backhoes	1	10.00	98	0.37
Plots 9 and 1,3,20 (2024) Interchange	Tractors/Loaders/Backhoes	1	10.00	90	0.37
Plots 9 and 1,3,20 (2024) Finish Grading	Other Material Handling Equipment	2	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Finish Grading	Other Material Handling Equipment	2	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plots 9 and 1,3,20 (2024) Finish Grading	Rubber Tired Dozers	4	10.00	85	0.40
Plots 9 and 1,3,20 (2024) Finish Grading	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 9 and 1,3,20 (2024) Paving	Other Material Handling Equipment	6	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Paving	Pavers	2	10.00	126	0.42
Plots 9 and 1,3,20 (2024) Paving	Paving Equipment	2	10.00	131	0.36
Plots 9 and 1,3,20 (2024) Paving	Plate Compactors	2	10.00	8	0.43
Plots 9 and 1,3,20 (2024) Paving	Rollers	2	10.00	81	0.38
Plots 9 and 1,3,20 (2024) Paving	Scrapers	2	10.00	362	0.48
Plots 9 and 1,3,20 (2024) Paving	Tractors/Loaders/Backhoes	4	10.00	90	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Plots 2 and 4 (2020) Mass Excavation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					60.4579	0.0000	60.4579	26.4779	0.0000	26.4779			0.0000			0.0000
Off-Road	44.9726	538.6955	295.8179	0.6996		20.2332	20.2332		18.6146	18.6146		67,752.2082	67,752.2082	21.9124		68,300.0191
Total	**44.9726**	**538.6955**	**295.8179**	**0.6996**	**60.4579**	**20.2332**	**80.6911**	**26.4779**	**18.6146**	**45.0925**		**67,752.2082**	**67,752.2082**	**21.9124**		**68,300.0191**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					23.5786	0.0000	23.5786	10.3264	0.0000	10.3264			0.0000			0.0000
Off-Road	9.2244	44.2625	317.3848	0.6996		1.4065	1.4065		1.3836	1.3836	0.0000	67,752.2081	67,752.2081	21.9124		68,300.0190
Total	**9.2244**	**44.2625**	**317.3848**	**0.6996**	**23.5786**	**1.4065**	**24.9851**	**10.3264**	**1.3836**	**11.7099**	**0.0000**	**67,752.2081**	**67,752.2081**	**21.9124**		**68,300.0190**

3.3 Plots 2 and 4 (2020) Finish Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					30.6366	0.0000	30.6366	16.6080	0.0000	16.6080			0.0000			0.0000
Off-Road	1.2005	11.8738	8.2372	0.0109		0.6876	0.6876		0.6326	0.6326		1,052.5112	1,052.5112	0.3404		1,061.0212
Total	**1.2005**	**11.8738**	**8.2372**	**0.0109**	**30.6366**	**0.6876**	**31.3242**	**16.6080**	**0.6326**	**17.2405**		**1,052.5112**	**1,052.5112**	**0.3404**		**1,061.0212**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					11.9483	0.0000	11.9483	6.4771	0.0000	6.4771			0.0000			0.0000
Off-Road	0.1334	0.5778	8.2232	0.0109		0.0178	0.0178		0.0178	0.0178	0.0000	1,052.5112	1,052.5112	0.3404		1,061.0212
Total	**0.1334**	**0.5778**	**8.2232**	**0.0109**	**11.9483**	**0.0178**	**11.9661**	**6.4771**	**0.0178**	**6.4949**	**0.0000**	**1,052.5112**	**1,052.5112**	**0.3404**		**1,061.0212**

3.4 Plots 2 and 4 (2020) Utilities - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	12.6739	124.5587	103.6513	0.2866		5.4480	5.4480		5.0133	5.0133		27,722.6210	27,722.6210	8.9550		27,946.4951
Total	**12.6739**	**124.5587**	**103.6513**	**0.2866**		**5.4480**	**5.4480**		**5.0133**	**5.0133**		**27,722.6210**	**27,722.6210**	**8.9550**		**27,946.4951**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.7253	22.2345	152.2672	0.2866		0.4817	0.4817		0.4817	0.4817	0.0000	27,722.6210	27,722.6210	8.9550		27,946.4951
Total	**3.7253**	**22.2345**	**152.2672**	**0.2866**		**0.4817**	**0.4817**		**0.4817**	**0.4817**	**0.0000**	**27,722.6210**	**27,722.6210**	**8.9550**		**27,946.4951**

3.5 Plots 2 and 4 (2020) Landscaping - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8074	33.1521	36.0541	0.0504		1.9188	1.9188		1.7653	1.7653		4,879.6100	4,879.6100	1.5782		4,919.0641
Total	**3.8074**	**33.1521**	**36.0541**	**0.0504**		**1.9188**	**1.9188**		**1.7653**	**1.7653**		**4,879.6100**	**4,879.6100**	**1.5782**		**4,919.0641**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.5048	13.3965	38.7957	0.0504		0.3806	0.3806		0.3561	0.3561	0.0000	4,879.6100	4,879.6100	1.5782		4,919.0641
Total	**1.5048**	**13.3965**	**38.7957**	**0.0504**		**0.3806**	**0.3806**		**0.3561**	**0.3561**	**0.0000**	**4,879.6100**	**4,879.6100**	**1.5782**		**4,919.0641**

3.6 Plots 2 and 4 (2020) Building Concrete - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.0847	18.6740	20.0845	0.0317		1.1148	1.1148		1.0692	1.0692		3,000.6663	3,000.6663	0.5391		3,014.1440
Total	**2.0847**	**18.6740**	**20.0845**	**0.0317**		**1.1148**	**1.1148**		**1.0692**	**1.0692**		**3,000.6663**	**3,000.6663**	**0.5391**		**3,014.1440**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4450	2.1412	21.2256	0.0317		0.0715	0.0715		0.0715	0.0715	0.0000	3,000.6663	3,000.6663	0.5391		3,014.1440
Total	**0.4450**	**2.1412**	**21.2256**	**0.0317**		**0.0715**	**0.0715**		**0.0715**	**0.0715**	**0.0000**	**3,000.6663**	**3,000.6663**	**0.5391**		**3,014.1440**

3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	7.9388	78.0761	78.2434	0.1387		4.1212	4.1212		3.7915	3.7915		13,431.4759	13,431.4759	4.3440		13,540.0762
Total	**7.9388**	**78.0761**	**78.2434**	**0.1387**		**4.1212**	**4.1212**		**3.7915**	**3.7915**		**13,431.4759**	**13,431.4759**	**4.3440**		**13,540.0762**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7059	7.3920	93.1555	0.1387		0.2275	0.2275		0.2275	0.2275	0.0000	13,431.4759	13,431.4759	4.3440		13,540.0762
Total	**1.7059**	**7.3920**	**93.1555**	**0.1387**		**0.2275**	**0.2275**		**0.2275**	**0.2275**	**0.0000**	**13,431.4759**	**13,431.4759**	**4.3440**		**13,540.0762**

3.8 Plots 2 and 4 (2020) Building-Electrical - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8273	24.4847	25.9283	0.0350		1.5316	1.5316		1.4114	1.4114		3,357.9717	3,357.9717	1.0639		3,384.5679

Total	**2.8273**	**24.4847**	**25.9283**	**0.0350**		**1.5316**	**1.5316**		**1.4114**	**1.4114**		**3,357.9717**	**3,357.9717**	**1.0639**		**3,384.5679**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6018	5.8239	26.0551	0.0350		0.0825	0.0825		0.0825	0.0825	0.0000	3,357.9717	3,357.9717	1.0639		3,384.5679
Total	**0.6018**	**5.8239**	**26.0551**	**0.0350**		**0.0825**	**0.0825**		**0.0825**	**0.0825**	**0.0000**	**3,357.9717**	**3,357.9717**	**1.0639**		**3,384.5679**

3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8243	21.9777	15.1378	0.0278		0.8809	0.8809		0.8105	0.8105		2,688.9163	2,688.9163	0.8697		2,710.6576
Total	**1.8243**	**21.9777**	**15.1378**	**0.0278**		**0.8809**	**0.8809**		**0.8105**	**0.8105**		**2,688.9163**	**2,688.9163**	**0.8697**		**2,710.6576**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3414	1.4794	12.5183	0.0278		0.0455	0.0455		0.0455	0.0455	0.0000	2,688.9163	2,688.9163	0.8697		2,710.6576
Total	**0.3414**	**1.4794**	**12.5183**	**0.0278**		**0.0455**	**0.0455**		**0.0455**	**0.0455**	**0.0000**	**2,688.9163**	**2,688.9163**	**0.8697**		**2,710.6576**

3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3620	28.9700	30.4504	0.0418		1.7102	1.7102		1.5733	1.5733		4,045.0920	4,045.0920	1.3083		4,077.7986
Total	**3.3620**	**28.9700**	**30.4504**	**0.0418**		**1.7102**	**1.7102**		**1.5733**	**1.5733**		**4,045.0920**	**4,045.0920**	**1.3083**		**4,077.7986**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3987	12.9370	32.2570	0.0418		0.3665	0.3665		0.3420	0.3420	0.0000	4,045.0920	4,045.0920	1.3083		4,077.7986
Total	**1.3987**	**12.9370**	**32.2570**	**0.0418**		**0.3665**	**0.3665**		**0.3420**	**0.3420**	**0.0000**	**4,045.0920**	**4,045.0920**	**1.3083**		**4,077.7986**

3.11 Plots 2 and 4 (2020) Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.4214	58.8557	50.3997	0.0854		2.8092	2.8092		2.5864	2.5864		8,241.4600	8,241.4600	2.6465		8,307.6231
Paving	1.2360					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**6.6574**	**58.8557**	**50.3997**	**0.0854**		**2.8092**	**2.8092**		**2.5864**	**2.5864**		**8,241.4600**	**8,241.4600**	**2.6465**		**8,307.6231**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0351	4.4854	52.3387	0.0854		0.1380	0.1380		0.1380	0.1380	0.0000	8,241.4599	8,241.4599	2.6465		8,307.6231
Paving	1.2360					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.2711**	**4.4854**	**52.3387**	**0.0854**		**0.1380**	**0.1380**		**0.1380**	**0.1380**	**0.0000**	**8,241.4599**	**8,241.4599**	**2.6465**		**8,307.6231**

3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.9253	8.8813	9.7503	0.0147		0.5120	0.5120		0.4722	0.4722		1,403.1911	1,403.1911	0.4427		1,414.2593
Paving	1.2360					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.1613**	**8.8813**	**9.7503**	**0.0147**		**0.5120**	**0.5120**		**0.4722**	**0.4722**		**1,403.1911**	**1,403.1911**	**0.4427**		**1,414.2593**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2575	2.2252	10.9021	0.0147		0.0372	0.0372		0.0372	0.0372	0.0000	1,403.1911	1,403.1911	0.4427		1,414.2593
Paving	1.2360					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4935**	**2.2252**	**10.9021**	**0.0147**		**0.0372**	**0.0372**		**0.0372**	**0.0372**	**0.0000**	**1,403.1911**	**1,403.1911**	**0.4427**		**1,414.2593**

3.13 Plot 4 (2021) Mass Excavation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					53.3830	0.0000	53.3830	22.3890	0.0000	22.3890			0.0000			0.0000
Off-Road	56.3594	659.0033	371.1338	0.8732		25.0454	25.0454		23.0418	23.0418		84,565.4129	84,565.4129	27.3502		85,249.1670
Total	**56.3594**	**659.0033**	**371.1338**	**0.8732**	**53.3830**	**25.0454**	**78.4284**	**22.3890**	**23.0418**	**45.4308**		**84,565.4129**	**84,565.4129**	**27.3502**		**85,249.1670**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					20.8194	0.0000	20.8194	8.7317	0.0000	8.7317			0.0000			0.0000
Off-Road	11.8354	57.8483	395.6582	0.8732		1.8573	1.8573		1.8189	1.8189	0.0000	84,565.4128	84,565.4128	27.3502		85,249.1670
Total	**11.8354**	**57.8483**	**395.6582**	**0.8732**	**20.8194**	**1.8573**	**22.6767**	**8.7317**	**1.8189**	**10.5506**	**0.0000**	**84,565.4128**	**84,565.4128**	**27.3502**		**85,249.1670**

3.14 Plot 4 (2021) Finish Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					30.6387	0.0000	30.6387	16.6082	0.0000	16.6082			0.0000			0.0000
Off-Road	1.1317	11.1215	8.1681	0.0109		0.6330	0.6330		0.5823	0.5823		1,052.6102	1,052.6102	0.3404		1,061.1210
Total	**1.1317**	**11.1215**	**8.1681**	**0.0109**	**30.6387**	**0.6330**	**31.2716**	**16.6082**	**0.5823**	**17.1905**		**1,052.6102**	**1,052.6102**	**0.3404**		**1,061.1210**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					11.9491	0.0000	11.9491	6.4772	0.0000	6.4772			0.0000			0.0000
Off-Road	0.1334	0.5778	8.2232	0.0109		0.0178	0.0178		0.0178	0.0178	0.0000	1,052.6102	1,052.6102	0.3404		1,061.1210

Total	**0.1334**	**0.5778**	**8.2232**	**0.0109**	**11.9491**	**0.0178**	**11.9669**	**6.4772**	**0.0178**	**6.4950**	**0.0000**	**1,052.6102**	**1,052.6102**	**0.3404**		**1,061.1210**

3.15 Plot 4 (2021) Utilities - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	13.6333	127.1106	117.3408	0.3468		5.3405	5.3405		4.9144	4.9144		33,546.6471	33,546.6471	10.8386		33,817.6114
Total	**13.6333**	**127.1106**	**117.3408**	**0.3468**		**5.3405**	**5.3405**		**4.9144**	**4.9144**		**33,546.6471**	**33,546.6471**	**10.8386**		**33,817.6114**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.4706	25.4642	180.2576	0.3468		0.5811	0.5811		0.5811	0.5811	0.0000	33,546.6471	33,546.6471	10.8386		33,817.6114
Total	**4.4706**	**25.4642**	**180.2576**	**0.3468**		**0.5811**	**0.5811**		**0.5811**	**0.5811**	**0.0000**	**33,546.6471**	**33,546.6471**	**10.8386**		**33,817.6114**

3.16 Plot 4 (2021) Building-Concrete - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Off-Road	3.4167	32.0548	37.6635	0.0566		1.8275	1.8275		1.7212	1.7212		5,375.9321	5,375.9321	1.2783		5,407.8895
Total	**3.4167**	**32.0548**	**37.6635**	**0.0566**		**1.8275**	**1.8275**		**1.7212**	**1.7212**		**5,375.9321**	**5,375.9321**	**1.2783**		**5,407.8895**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8429	4.0786	39.5502	0.0566		0.1367	0.1367		0.1367	0.1367	0.0000	5,375.9321	5,375.9321	1.2783		5,407.8895
Total	**0.8429**	**4.0786**	**39.5502**	**0.0566**		**0.1367**	**0.1367**		**0.1367**	**0.1367**	**0.0000**	**5,375.9321**	**5,375.9321**	**1.2783**		**5,407.8895**

3.17 Plot 4 (2021) Building-Wet Utilities - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	7.4953	71.6265	80.5260	0.1424		3.7081	3.7081		3.4115	3.4115		13,785.4390	13,785.4390	4.4585		13,896.9013
Total	**7.4953**	**71.6265**	**80.5260**	**0.1424**		**3.7081**	**3.7081**		**3.4115**	**3.4115**		**13,785.4390**	**13,785.4390**	**4.4585**		**13,896.9013**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7509	7.5871	95.9321	0.1424		0.2335	0.2335		0.2335	0.2335	0.0000	13,785.4390	13,785.4390	4.4585		13,896.9013
Total	**1.7509**	**7.5871**	**95.9321**	**0.1424**		**0.2335**	**0.2335**		**0.2335**	**0.2335**	**0.0000**	**13,785.4390**	**13,785.4390**	**4.4585**		**13,896.9013**

3.18 Plot 4 (2021) Building-Electrical - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.0553	43.8279	50.5202	0.0678		2.5233	2.5233		2.3240	2.3240		6,521.4488	6,521.4488	2.0842		6,573.5541
Total	**5.0553**	**43.8279**	**50.5202**	**0.0678**		**2.5233**	**2.5233**		**2.3240**	**2.3240**		**6,521.4488**	**6,521.4488**	**2.0842**		**6,573.5541**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1220	12.5904	50.6734	0.0678		0.1374	0.1374		0.1374	0.1374	0.0000	6,521.4488	6,521.4488	2.0842		6,573.5541

Total	**1.1220**	**12.5904**	**50.6734**	**0.0678**		**0.1374**	**0.1374**		**0.1374**	**0.1374**	**0.0000**	**6,521.4488**	**6,521.4488**	**2.0842**		**6,573.5541**

3.19 Plot 4 (2021) Building-Landscaping - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3130	28.6908	33.4533	0.0468		1.6052	1.6052		1.4768	1.4768		4,532.1064	4,532.1064	1.4658		4,568.7508
Total	**3.3130**	**28.6908**	**33.4533**	**0.0468**		**1.6052**	**1.6052**		**1.4768**	**1.4768**		**4,532.1064**	**4,532.1064**	**1.4658**		**4,568.7508**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3782	13.0180	35.9273	0.0468		0.3380	0.3380		0.3164	0.3164	0.0000	4,532.1064	4,532.1064	1.4658		4,568.7508
Total	**1.3782**	**13.0180**	**35.9273**	**0.0468**		**0.3380**	**0.3380**		**0.3164**	**0.3164**	**0.0000**	**4,532.1064**	**4,532.1064**	**1.4658**		**4,568.7508**

3.20 Plot 4 (2021) Landscaping - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4962	30.3448	35.8069	0.0504		1.6890	1.6890		1.5539	1.5539		4,879.8222	4,879.8222	1.5782		4,919.2781
Total	**3.4962**	**30.3448**	**35.8069**	**0.0504**		**1.6890**	**1.6890**		**1.5539**	**1.5539**		**4,879.8222**	**4,879.8222**	**1.5782**		**4,919.2781**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4224	13.2094	38.6518	0.0504		0.3438	0.3438		0.3223	0.3223	0.0000	4,879.8222	4,879.8222	1.5782		4,919.2781
Total	**1.4224**	**13.2094**	**38.6518**	**0.0504**		**0.3438**	**0.3438**		**0.3223**	**0.3223**	**0.0000**	**4,879.8222**	**4,879.8222**	**1.5782**		**4,919.2781**

3.21 Plot 4 (2021) Temporary Utilities - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6806	19.5885	13.9313	0.0278		0.7881	0.7881		0.7251	0.7251		2,688.3326	2,688.3326	0.8695		2,710.0691
Total	**1.6806**	**19.5885**	**13.9313**	**0.0278**		**0.7881**	**0.7881**		**0.7251**	**0.7251**		**2,688.3326**	**2,688.3326**	**0.8695**		**2,710.0691**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3414	1.4794	12.5183	0.0278		0.0455	0.0455		0.0455	0.0455	0.0000	2,688.3326	2,688.3326	0.8695		2,710.0691
Total	**0.3414**	**1.4794**	**12.5183**	**0.0278**		**0.0455**	**0.0455**		**0.0455**	**0.0455**	**0.0000**	**2,688.3326**	**2,688.3326**	**0.8695**		**2,710.0691**

3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8553	8.1534	9.7382	0.0147		0.4515	0.4515		0.4165	0.4165		1,403.1124	1,403.1124	0.4427		1,414.1800
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0960**	**8.1534**	**9.7382**	**0.0147**		**0.4515**	**0.4515**		**0.4165**	**0.4165**		**1,403.1124**	**1,403.1124**	**0.4427**		**1,414.1800**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.2575	2.2252	10.9020	0.0147		0.0372	0.0372		0.0372	0.0372	0.0000	1,403.1124	1,403.1124	0.4427		1,414.1800
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4982**	**2.2252**	**10.9020**	**0.0147**		**0.0372**	**0.0372**		**0.0372**	**0.0372**	**0.0000**	**1,403.1124**	**1,403.1124**	**0.4427**		**1,414.1800**

3.23 Plot 4 (2021) Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.0337	53.7732	49.2131	0.0855		2.5096	2.5096		2.3108	2.3108		8,243.6459	8,243.6459	2.6472		8,309.8267
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**6.2744**	**53.7732**	**49.2131**	**0.0855**		**2.5096**	**2.5096**		**2.3108**	**2.3108**		**8,243.6459**	**8,243.6459**	**2.6472**		**8,309.8267**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0351	4.4854	52.3387	0.0855		0.1380	0.1380		0.1380	0.1380	0.0000	8,243.6459	8,243.6459	2.6472		8,309.8267
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.2758**	**4.4854**	**52.3387**	**0.0855**		**0.1380**	**0.1380**		**0.1380**	**0.1380**	**0.0000**	**8,243.6459**	**8,243.6459**	**2.6472**		**8,309.8267**

3.24 Plots 4 and 9 (2022) Mass Excavation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					95.8028	0.0000	95.8028	40.2693	0.0000	40.2693			0.0000			0.0000
Off-Road	58.8805	678.4038	391.1420	0.9405		25.7114	25.7114		23.6545	23.6545		91,086.3418	91,086.3418	29.4592		91,822.8210
Total	**58.8805**	**678.4038**	**391.1420**	**0.9405**	**95.8028**	**25.7114**	**121.5142**	**40.2693**	**23.6545**	**63.9238**		**91,086.3418**	**91,086.3418**	**29.4592**		**91,822.8210**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					37.3631	0.0000	37.3631	15.7050	0.0000	15.7050			0.0000			0.0000
Off-Road	12.4733	58.3394	425.5063	0.9405		1.8509	1.8509		1.8219	1.8219	0.0000	91,086.3417	91,086.3417	29.4592		91,822.8209
Total	**12.4733**	**58.3394**	**425.5063**	**0.9405**	**37.3631**	**1.8509**	**39.2140**	**15.7050**	**1.8219**	**17.5269**	**0.0000**	**91,086.3417**	**91,086.3417**	**29.4592**		**91,822.8209**

3.25 Plots 4 and 9 (2022) Finish Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					46.2262	0.0000	46.2262	24.9412	0.0000	24.9412			0.0000			0.0000
Off-Road	3.6681	36.5324	33.6839	0.0489		1.9698	1.9698		1.8122	1.8122		4,734.7935	4,734.7935	1.5313		4,773.0767

Total	**3.6681**	**36.5324**	**33.6839**	**0.0489**	**46.2262**	**1.9698**	**48.1959**	**24.9412**	**1.8122**	**26.7534**		**4,734.7935**	**4,734.7935**	**1.5313**		**4,773.0767**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0282	0.0000	18.0282	9.7271	0.0000	9.7271			0.0000			0.0000
Off-Road	2.0566	19.5236	33.7838	0.0489		0.9972	0.9972		0.9199	0.9199	0.0000	4,734.7935	4,734.7935	1.5313		4,773.0767
Total	**2.0566**	**19.5236**	**33.7838**	**0.0489**	**18.0282**	**0.9972**	**19.0254**	**9.7271**	**0.9199**	**10.6470**	**0.0000**	**4,734.7935**	**4,734.7935**	**1.5313**		**4,773.0767**

3.26 Plots 4 and 9 (2022) Utilities - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	12.1504	105.2125	115.2854	0.3469		4.3467	4.3467		4.0002	4.0002		33,554.3569	33,554.3569	10.8411		33,825.3836
Total	**12.1504**	**105.2125**	**115.2854**	**0.3469**		**4.3467**	**4.3467**		**4.0002**	**4.0002**		**33,554.3569**	**33,554.3569**	**10.8411**		**33,825.3836**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Off-Road	4.4706	25.4642	180.2577	0.3469		0.5811	0.5811		0.5811	0.5811	0.0000	33,554.3569	33,554.3569	10.8411		33,825.3835
Total	**4.4706**	**25.4642**	**180.2577**	**0.3469**		**0.5811**	**0.5811**		**0.5811**	**0.5811**	**0.0000**	**33,554.3569**	**33,554.3569**	**10.8411**		**33,825.3835**

3.27 Plots 4 and 9 (2022) Building-Concrete - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0769	28.7945	37.3773	0.0566		1.5183	1.5183		1.4323	1.4323		5,379.8596	5,379.8596	1.2741		5,411.7117
Total	**3.0769**	**28.7945**	**37.3773**	**0.0566**		**1.5183**	**1.5183**		**1.4323**	**1.4323**		**5,379.8596**	**5,379.8596**	**1.2741**		**5,411.7117**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8429	4.0786	39.5505	0.0566		0.1367	0.1367		0.1367	0.1367	0.0000	5,379.8596	5,379.8596	1.2741		5,411.7117
Total	**0.8429**	**4.0786**	**39.5505**	**0.0566**		**0.1367**	**0.1367**		**0.1367**	**0.1367**	**0.0000**	**5,379.8596**	**5,379.8596**	**1.2741**		**5,411.7117**

3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	6.3724	57.9928	76.9293	0.1388		2.8986	2.8986		2.6667	2.6667		13,432.6463	13,432.6463	4.3444		13,541.2560
Total	**6.3724**	**57.9928**	**76.9293**	**0.1388**		**2.8986**	**2.8986**		**2.6667**	**2.6667**		**13,432.6463**	**13,432.6463**	**4.3444**		**13,541.2560**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7059	7.3920	93.1555	0.1388		0.2275	0.2275		0.2275	0.2275	0.0000	13,432.6462	13,432.6462	4.3444		13,541.2560
Total	**1.7059**	**7.3920**	**93.1555**	**0.1388**		**0.2275**	**0.2275**		**0.2275**	**0.2275**	**0.0000**	**13,432.6462**	**13,432.6462**	**4.3444**		**13,541.2560**

3.29 Plots 4 and 9 (2022) Building-Electrical - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.4114	39.6104	49.5450	0.0678		2.0526	2.0526		1.8910	1.8910		6,525.6116	6,525.6116	2.0856		6,577.7504

Total	**4.4114**	**39.6104**	**49.5450**	**0.0678**		**2.0526**	**2.0526**		**1.8910**	**1.8910**		**6,525.6116**	**6,525.6116**	**2.0856**		**6,577.7504**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1220	12.5904	50.6736	0.0678		0.1374	0.1374		0.1374	0.1374	0.0000	6,525.6116	6,525.6116	2.0856		6,577.7504
Total	**1.1220**	**12.5904**	**50.6736**	**0.0678**		**0.1374**	**0.1374**		**0.1374**	**0.1374**	**0.0000**	**6,525.6116**	**6,525.6116**	**2.0856**		**6,577.7504**

3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9427	25.3742	33.4286	0.0475		1.3449	1.3449		1.2373	1.2373		4,603.1600	4,603.1600	1.4888		4,640.3789
Total	**2.9427**	**25.3742**	**33.4286**	**0.0475**		**1.3449**	**1.3449**		**1.2373**	**1.2373**		**4,603.1600**	**4,603.1600**	**1.4888**		**4,640.3789**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3125	12.8927	36.3455	0.0475		0.3066	0.3066		0.2876	0.2876	0.0000	4,603.1600	4,603.1600	1.4888		4,640.3789
Total	**1.3125**	**12.8927**	**36.3455**	**0.0475**		**0.3066**	**0.3066**		**0.2876**	**0.2876**	**0.0000**	**4,603.1600**	**4,603.1600**	**1.4888**		**4,640.3789**

3.31 Plots 4 and 9 (2022) Landscaping - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0756	26.4898	35.2995	0.0504		1.4054	1.4054		1.2930	1.2930		4,881.3326	4,881.3326	1.5787		4,920.8007
Total	**3.0756**	**26.4898**	**35.2995**	**0.0504**		**1.4054**	**1.4054**		**1.2930**	**1.2930**		**4,881.3326**	**4,881.3326**	**1.5787**		**4,920.8007**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3478	13.0459	38.5251	0.0504		0.3113	0.3113		0.2923	0.2923	0.0000	4,881.3326	4,881.3326	1.5787		4,920.8007
Total	**1.3478**	**13.0459**	**38.5251**	**0.0504**		**0.3113**	**0.3113**		**0.2923**	**0.2923**	**0.0000**	**4,881.3326**	**4,881.3326**	**1.5787**		**4,920.8007**

3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4846	16.4655	12.5866	0.0278		0.6674	0.6674		0.6140	0.6140		2,686.7697	2,686.7697	0.8690		2,708.4936
Total	**1.4846**	**16.4655**	**12.5866**	**0.0278**		**0.6674**	**0.6674**		**0.6140**	**0.6140**		**2,686.7697**	**2,686.7697**	**0.8690**		**2,708.4936**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3414	1.4794	12.5183	0.0278		0.0455	0.0455		0.0455	0.0455	0.0000	2,686.7697	2,686.7697	0.8690		2,708.4936
Total	**0.3414**	**1.4794**	**12.5183**	**0.0278**		**0.0455**	**0.0455**		**0.0455**	**0.0455**	**0.0000**	**2,686.7697**	**2,686.7697**	**0.8690**		**2,708.4936**

3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.7617	7.1840	9.6746	0.0147		0.3783	0.3783		0.3491	0.3491		1,403.5467	1,403.5467	0.4428		1,414.6177
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0072**	**7.1840**	**9.6746**	**0.0147**		**0.3783**	**0.3783**		**0.3491**	**0.3491**		**1,403.5467**	**1,403.5467**	**0.4428**		**1,414.6177**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2575	2.2252	10.9021	0.0147		0.0372	0.0372		0.0372	0.0372	0.0000	1,403.5467	1,403.5467	0.4428		1,414.6177
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.5030**	**2.2252**	**10.9021**	**0.0147**		**0.0372**	**0.0372**		**0.0372**	**0.0372**	**0.0000**	**1,403.5467**	**1,403.5467**	**0.4428**		**1,414.6177**

3.34 Plots 4 and 9 (2022) Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.4484	45.8951	47.4508	0.0856		2.0979	2.0979		1.9321	1.9321		8,251.6397	8,251.6397	2.6498		8,317.8851
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**5.6939**	**45.8951**	**47.4508**	**0.0856**		**2.0979**	**2.0979**		**1.9321**	**1.9321**		**8,251.6397**	**8,251.6397**	**2.6498**		**8,317.8851**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0351	4.4854	52.3387	0.0856		0.1380	0.1380		0.1380	0.1380	0.0000	8,251.6397	8,251.6397	2.6498		8,317.8851
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.2806**	**4.4854**	**52.3387**	**0.0856**		**0.1380**	**0.1380**		**0.1380**	**0.1380**	**0.0000**	**8,251.6397**	**8,251.6397**	**2.6498**		**8,317.8851**

3.35 Plot 9 (2023) Mass Excavation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					115.5792	0.0000	115.5792	45.7296	0.0000	45.7296			0.0000			0.0000
Off-Road	52.5063	584.6327	359.1629	0.8707		22.4056	22.4056		20.6131	20.6131		84,317.1078	84,317.1078	27.2699		84,998.8543
Total	**52.5063**	**584.6327**	**359.1629**	**0.8707**	**115.5792**	**22.4056**	**137.9847**	**45.7296**	**20.6131**	**66.3428**		**84,317.1078**	**84,317.1078**	**27.2699**		**84,998.8543**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					45.0759	0.0000	45.0759	17.8346	0.0000	17.8346			0.0000			0.0000
Off-Road	11.5525	53.5046	393.8055	0.8707		1.6941	1.6941		1.6685	1.6685	0.0000	84,317.1077	84,317.1077	27.2699		84,998.8543

Total	**11.5525**	**53.5046**	**393.8055**	**0.8707**	**45.0759**	**1.6941**	**46.7700**	**17.8346**	**1.6685**	**19.5030**	**0.0000**	**84,317.1077**	**84,317.1077**	**27.2699**		**84,998.8543**

3.36 Plot 9 (2023) Finish Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					46.7564	0.0000	46.7564	24.9985	0.0000	24.9985			0.0000			0.0000
Off-Road	1.9119	18.3729	16.0559	0.0218		1.0024	1.0024		0.9222	0.9222		2,108.9883	2,108.9883	0.6821		2,126.0405
Total	**1.9119**	**18.3729**	**16.0559**	**0.0218**	**46.7564**	**1.0024**	**47.7588**	**24.9985**	**0.9222**	**25.9207**		**2,108.9883**	**2,108.9883**	**0.6821**		**2,126.0405**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.2350	0.0000	18.2350	9.7494	0.0000	9.7494			0.0000			0.0000
Off-Road	0.2667	1.1557	16.4464	0.0218		0.0356	0.0356		0.0356	0.0356	0.0000	2,108.9882	2,108.9882	0.6821		2,126.0405
Total	**0.2667**	**1.1557**	**16.4464**	**0.0218**	**18.2350**	**0.0356**	**18.2706**	**9.7494**	**0.0356**	**9.7850**	**0.0000**	**2,108.9882**	**2,108.9882**	**0.6821**		**2,126.0405**

3.37 Plot 9 (2023) Utilities - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Off-Road	11.4983	94.1000	114.5298	0.3470		3.7935	3.7935		3.4912	3.4912		33,561.1508	33,561.1508	10.8433		33,832.2324
Total	**11.4983**	**94.1000**	**114.5298**	**0.3470**		**3.7935**	**3.7935**		**3.4912**	**3.4912**		**33,561.1508**	**33,561.1508**	**10.8433**		**33,832.2324**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.4706	25.4642	180.2576	0.3470		0.5811	0.5811		0.5811	0.5811	0.0000	33,561.1508	33,561.1508	10.8433		33,832.2323
Total	**4.4706**	**25.4642**	**180.2576**	**0.3470**		**0.5811**	**0.5811**		**0.5811**	**0.5811**	**0.0000**	**33,561.1508**	**33,561.1508**	**10.8433**		**33,832.2323**

3.38 Plot 9 (2023) Building-Concrete - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8592	26.5946	37.2821	0.0567		1.2983	1.2983		1.2257	1.2257		5,383.7745	5,383.7745	1.2671		5,415.4526
Total	**2.8592**	**26.5946**	**37.2821**	**0.0567**		**1.2983**	**1.2983**		**1.2257**	**1.2257**		**5,383.7745**	**5,383.7745**	**1.2671**		**5,415.4526**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8429	4.0786	39.5502	0.0567		0.1367	0.1367		0.1367	0.1367	0.0000	5,383.7745	5,383.7745	1.2671		5,415.4526
Total	**0.8429**	**4.0786**	**39.5502**	**0.0567**		**0.1367**	**0.1367**		**0.1367**	**0.1367**	**0.0000**	**5,383.7745**	**5,383.7745**	**1.2671**		**5,415.4526**

3.39 Plot 9 (2023) Building-Wet Utilities - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.9105	51.7097	76.7094	0.1388		2.5035	2.5035		2.3033	2.3033		13,436.6704	13,436.6704	4.3457		13,545.3127
Total	**5.9105**	**51.7097**	**76.7094**	**0.1388**		**2.5035**	**2.5035**		**2.3033**	**2.3033**		**13,436.6704**	**13,436.6704**	**4.3457**		**13,545.3127**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7059	7.3920	93.1555	0.1388		0.2275	0.2275		0.2275	0.2275	0.0000	13,436.6704	13,436.6704	4.3457		13,545.3127

Total	**1.7059**	**7.3920**	**93.1555**	**0.1388**		**0.2275**	**0.2275**		**0.2275**	**0.2275**	**0.0000**	**13,436.6704**	**13,436.6704**	**4.3457**		**13,545.3127**

3.40 Plot 9 (2023) Building-Electrical - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.1005	37.0427	49.2861	0.0679		1.7599	1.7599		1.6217	1.6217		6,529.4653	6,529.4653	2.0868		6,581.6354
Total	**4.1005**	**37.0427**	**49.2861**	**0.0679**		**1.7599**	**1.7599**		**1.6217**	**1.6217**		**6,529.4653**	**6,529.4653**	**2.0868**		**6,581.6354**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1220	12.5904	50.6734	0.0679		0.1374	0.1374		0.1374	0.1374	0.0000	6,529.4653	6,529.4653	2.0868		6,581.6354
Total	**1.1220**	**12.5904**	**50.6734**	**0.0679**		**0.1374**	**0.1374**		**0.1374**	**0.1374**	**0.0000**	**6,529.4653**	**6,529.4653**	**2.0868**		**6,581.6354**

3.41 Plot 9 (2023) Building-Landscaping - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6931	23.0269	33.1429	0.0476		1.1424	1.1424		1.0510	1.0510		4,604.1445	4,604.1445	1.4891		4,641.3714
Total	**2.6931**	**23.0269**	**33.1429**	**0.0476**		**1.1424**	**1.1424**		**1.0510**	**1.0510**		**4,604.1445**	**4,604.1445**	**1.4891**		**4,641.3714**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2431	12.6262	36.1592	0.0476		0.2589	0.2589		0.2438	0.2438	0.0000	4,604.1445	4,604.1445	1.4891		4,641.3714
Total	**1.2431**	**12.6262**	**36.1592**	**0.0476**		**0.2589**	**0.2589**		**0.2438**	**0.2438**	**0.0000**	**4,604.1445**	**4,604.1445**	**1.4891**		**4,641.3714**

3.42 Plot 9 (2023) Interchange - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.8807	57.3493	45.9707	0.0991		2.5199	2.5199		2.3189	2.3189		9,590.6436	9,590.6436	3.0963		9,668.0502
Total	**5.8807**	**57.3493**	**45.9707**	**0.0991**		**2.5199**	**2.5199**		**2.3189**	**2.3189**		**9,590.6436**	**9,590.6436**	**3.0963**		**9,668.0502**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2415	5.4365	50.6230	0.0991		0.1688	0.1688		0.1688	0.1688	0.0000	9,590.6436	9,590.6436	3.0963		9,668.0502
Total	**1.2415**	**5.4365**	**50.6230**	**0.0991**		**0.1688**	**0.1688**		**0.1688**	**0.1688**	**0.0000**	**9,590.6436**	**9,590.6436**	**3.0963**		**9,668.0502**

3.43 Plot 9 (2023) Landscaping - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8208	24.0690	35.0106	0.0504		1.1989	1.1989		1.1030	1.1030		4,882.3172	4,882.3172	1.5790		4,921.7932
Total	**2.8208**	**24.0690**	**35.0106**	**0.0504**		**1.1989**	**1.1989**		**1.1030**	**1.1030**		**4,882.3172**	**4,882.3172**	**1.5790**		**4,921.7932**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.2784	12.7793	38.3387	0.0504		0.2636	0.2636		0.2485	0.2485	0.0000	4,882.3172	4,882.3172	1.5790		4,921.7932
Total	**1.2784**	**12.7793**	**38.3387**	**0.0504**		**0.2636**	**0.2636**		**0.2485**	**0.2485**	**0.0000**	**4,882.3172**	**4,882.3172**	**1.5790**		**4,921.7932**

3.44 Plot 9 (2023) Temporary Utilities - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3445	14.2851	11.4372	0.0278		0.5778	0.5778		0.5316	0.5316		2,687.4145	2,687.4145	0.8692		2,709.1436
Total	**1.3445**	**14.2851**	**11.4372**	**0.0278**		**0.5778**	**0.5778**		**0.5316**	**0.5316**		**2,687.4145**	**2,687.4145**	**0.8692**		**2,709.1436**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3414	1.4794	12.5183	0.0278		0.0455	0.0455		0.0455	0.0455	0.0000	2,687.4145	2,687.4145	0.8692		2,709.1436
Total	**0.3414**	**1.4794**	**12.5183**	**0.0278**		**0.0455**	**0.0455**		**0.0455**	**0.0455**	**0.0000**	**2,687.4145**	**2,687.4145**	**0.8692**		**2,709.1436**

3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7882	7.2374	10.6158	0.0161		0.3693	0.3693		0.3409	0.3409		1,542.8545	1,542.8545	0.4879		1,555.0519
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0337**	**7.2374**	**10.6158**	**0.0161**		**0.3693**	**0.3693**		**0.3409**	**0.3409**		**1,542.8545**	**1,542.8545**	**0.4879**		**1,555.0519**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2751	2.3018	11.9918	0.0161		0.0396	0.0396		0.0396	0.0396	0.0000	1,542.8545	1,542.8545	0.4879		1,555.0519
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.5207**	**2.3018**	**11.9918**	**0.0161**		**0.0396**	**0.0396**		**0.0396**	**0.0396**	**0.0000**	**1,542.8545**	**1,542.8545**	**0.4879**		**1,555.0519**

3.46 Plot 9 (2023) Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.2119	42.3567	46.8307	0.0856		1.8940	1.8940		1.7444	1.7444		8,252.7065	8,252.7065	2.6502		8,318.9606
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	**5.4575**	**42.3567**	**46.8307**	**0.0856**		**1.8940**	**1.8940**		**1.7444**	**1.7444**		**8,252.7065**	**8,252.7065**	**2.6502**		**8,318.9606**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0351	4.4854	52.3387	0.0856		0.1380	0.1380		0.1380	0.1380	0.0000	8,252.7065	8,252.7065	2.6502		8,318.9606
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.2806**	**4.4854**	**52.3387**	**0.0856**		**0.1380**	**0.1380**		**0.1380**	**0.1380**	**0.0000**	**8,252.7065**	**8,252.7065**	**2.6502**		**8,318.9606**

3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					71.1438	0.0000	71.1438	27.6317	0.0000	27.6317			0.0000			0.0000
Off-Road	39.2161	415.1450	271.5048	0.7352		15.8902	15.8902		14.6189	14.6189		71,185.2054	71,185.2054	23.0227		71,760.7738
Total	**39.2161**	**415.1450**	**271.5048**	**0.7352**	**71.1438**	**15.8902**	**87.0340**	**27.6317**	**14.6189**	**42.2507**		**71,185.2054**	**71,185.2054**	**23.0227**		**71,760.7738**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Fugitive Dust					27.7461	0.0000	27.7461	10.7764	0.0000	10.7764			0.0000			0.0000
Off-Road	9.8740	45.7081	332.7921	0.7352		1.4498	1.4498		1.4259	1.4259	0.0000	71,185.2053	71,185.2053	23.0227		71,760.7738
Total	**9.8740**	**45.7081**	**332.7921**	**0.7352**	**27.7461**	**1.4498**	**29.1959**	**10.7764**	**1.4259**	**12.2023**	**0.0000**	**71,185.2053**	**71,185.2053**	**23.0227**		**71,760.7738**

3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					38.6904	0.0000	38.6904	20.8026	0.0000	20.8026			0.0000			0.0000
Off-Road	1.0953	10.3287	11.3350	0.0157		0.5424	0.5424		0.4990	0.4990		1,523.8555	1,523.8555	0.4929		1,536.1766
Total	**1.0953**	**10.3287**	**11.3350**	**0.0157**	**38.6904**	**0.5424**	**39.2328**	**20.8026**	**0.4990**	**21.3016**		**1,523.8555**	**1,523.8555**	**0.4929**		**1,536.1766**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					15.0893	0.0000	15.0893	8.1130	0.0000	8.1130			0.0000			0.0000
Off-Road	0.1926	0.8347	11.8784	0.0157		0.0257	0.0257		0.0257	0.0257	0.0000	1,523.8555	1,523.8555	0.4929		1,536.1766
Total	**0.1926**	**0.8347**	**11.8784**	**0.0157**	**15.0893**	**0.0257**	**15.1150**	**8.1130**	**0.0257**	**8.1387**	**0.0000**	**1,523.8555**	**1,523.8555**	**0.4929**		**1,536.1766**

3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	11.2313	88.7322	115.5765	0.3484		3.4801	3.4801		3.2028	3.2028		33,699.1605	33,699.1605	10.8879		33,971.3580
Total	**11.2313**	**88.7322**	**115.5765**	**0.3484**		**3.4801**	**3.4801**		**3.2028**	**3.2028**		**33,699.1605**	**33,699.1605**	**10.8879**		**33,971.3580**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.4882	25.5408	181.3474	0.3484		0.5835	0.5835		0.5835	0.5835	0.0000	33,699.1605	33,699.1605	10.8879		33,971.3579
Total	**4.4882**	**25.5408**	**181.3474**	**0.3484**		**0.5835**	**0.5835**		**0.5835**	**0.5835**	**0.0000**	**33,699.1605**	**33,699.1605**	**10.8879**		**33,971.3579**

3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.7156	25.1064	37.3212	0.0567		1.1437	1.1437		1.0800	1.0800		5,385.9809	5,385.9809	1.2651		5,417.6084

Total	**2.7156**	**25.1064**	**37.3212**	**0.0567**		**1.1437**	**1.1437**		**1.0800**	**1.0800**		**5,385.9809**	**5,385.9809**	**1.2651**		**5,417.6084**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8429	4.0786	39.5502	0.0567		0.1367	0.1367		0.1367	0.1367	0.0000	5,385.9809	5,385.9809	1.2651		5,417.6084
Total	**0.8429**	**4.0786**	**39.5502**	**0.0567**		**0.1367**	**0.1367**		**0.1367**	**0.1367**	**0.0000**	**5,385.9809**	**5,385.9809**	**1.2651**		**5,417.6084**

3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.5918	47.0351	76.7944	0.1388		2.2085	2.2085		2.0318	2.0318		13,437.1218	13,437.1218	4.3458		13,545.7677
Total	**5.5918**	**47.0351**	**76.7944**	**0.1388**		**2.2085**	**2.2085**		**2.0318**	**2.0318**		**13,437.1218**	**13,437.1218**	**4.3458**		**13,545.7677**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7059	7.3920	93.1555	0.1388		0.2275	0.2275		0.2275	0.2275	0.0000	13,437.1218	13,437.1218	4.3458		13,545.7677
Total	**1.7059**	**7.3920**	**93.1555**	**0.1388**		**0.2275**	**0.2275**		**0.2275**	**0.2275**	**0.0000**	**13,437.1218**	**13,437.1218**	**4.3458**		**13,545.7677**

3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8081	34.9704	48.9903	0.0674		1.5258	1.5258		1.4054	1.4054		6,495.6291	6,495.6291	2.0842		6,547.7336
Total	**3.8081**	**34.9704**	**48.9903**	**0.0674**		**1.5258**	**1.5258**		**1.4054**	**1.4054**		**6,495.6291**	**6,495.6291**	**2.0842**		**6,547.7336**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0779	12.3142	50.4421	0.0674		0.1266	0.1266		0.1266	0.1266	0.0000	6,495.6291	6,495.6291	2.0842		6,547.7336
Total	**1.0779**	**12.3142**	**50.4421**	**0.0674**		**0.1266**	**0.1266**		**0.1266**	**0.1266**	**0.0000**	**6,495.6291**	**6,495.6291**	**2.0842**		**6,547.7336**

3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5185	21.2681	33.0813	0.0476		1.0028	1.0028		0.9226	0.9226		4,604.5862	4,604.5862	1.4892		4,641.8167
Total	**2.5185**	**21.2681**	**33.0813**	**0.0476**		**1.0028**	**1.0028**		**0.9226**	**0.9226**		**4,604.5862**	**4,604.5862**	**1.4892**		**4,641.8167**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2078	12.5191	36.1004	0.0476		0.2388	0.2388		0.2252	0.2252	0.0000	4,604.5862	4,604.5862	1.4892		4,641.8167
Total	**1.2078**	**12.5191**	**36.1004**	**0.0476**		**0.2388**	**0.2388**		**0.2252**	**0.2252**	**0.0000**	**4,604.5862**	**4,604.5862**	**1.4892**		**4,641.8167**

3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	5.5465	52.3943	44.7290	0.0991		2.2799	2.2799		2.0981	2.0981		9,589.9929	9,589.9929	3.0961		9,667.3942
Total	**5.5465**	**52.3943**	**44.7290**	**0.0991**		**2.2799**	**2.2799**		**2.0981**	**2.0981**		**9,589.9929**	**9,589.9929**	**3.0961**		**9,667.3942**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2415	5.4365	50.6230	0.0991		0.1688	0.1688		0.1688	0.1688	0.0000	9,589.9929	9,589.9929	3.0961		9,667.3942
Total	**1.2415**	**5.4365**	**50.6230**	**0.0991**		**0.1688**	**0.1688**		**0.1688**	**0.1688**	**0.0000**	**9,589.9929**	**9,589.9929**	**3.0961**		**9,667.3942**

3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6412	22.2334	34.9552	0.0504		1.0546	1.0546		0.9702	0.9702		4,882.7589	4,882.7589	1.5792		4,922.2385
Total	**2.6412**	**22.2334**	**34.9552**	**0.0504**		**1.0546**	**1.0546**		**0.9702**	**0.9702**		**4,882.7589**	**4,882.7589**	**1.5792**		**4,922.2385**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2431	12.6722	38.2800	0.0504		0.2435	0.2435		0.2300	0.2300	0.0000	4,882.7589	4,882.7589	1.5792		4,922.2385
Total	**1.2431**	**12.6722**	**38.2800**	**0.0504**		**0.2435**	**0.2435**		**0.2300**	**0.2300**	**0.0000**	**4,882.7589**	**4,882.7589**	**1.5792**		**4,922.2385**

3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3116	13.5590	10.9969	0.0278		0.5481	0.5481		0.5042	0.5042		2,686.1195	2,686.1195	0.8688		2,707.8382
Total	**1.3116**	**13.5590**	**10.9969**	**0.0278**		**0.5481**	**0.5481**		**0.5042**	**0.5042**		**2,686.1195**	**2,686.1195**	**0.8688**		**2,707.8382**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3414	1.4794	12.5183	0.0278		0.0455	0.0455		0.0455	0.0455	0.0000	2,686.1195	2,686.1195	0.8688		2,707.8382

Total	**0.3414**	**1.4794**	**12.5183**	**0.0278**		**0.0455**	**0.0455**		**0.0455**	**0.0455**	**0.0000**	**2,686.1195**	**2,686.1195**	**0.8688**		**2,707.8382**

3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches -

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2676	11.7817	18.1688	0.0272		0.5783	0.5783		0.5332	0.5332		2,617.8037	2,617.8037	0.8356		2,638.6926
Paving	1.2360					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.5036**	**11.7817**	**18.1688**	**0.0272**		**0.5783**	**0.5783**		**0.5332**	**0.5332**		**2,617.8037**	**2,617.8037**	**0.8356**		**2,638.6926**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4385	4.0057	20.4058	0.0272		0.0578	0.0578		0.0578	0.0578	0.0000	2,617.8037	2,617.8037	0.8356		2,638.6926
Paving	1.2360					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.6745**	**4.0057**	**20.4058**	**0.0272**		**0.0578**	**0.0578**		**0.0578**	**0.0578**	**0.0000**	**2,617.8037**	**2,617.8037**	**0.8356**		**2,638.6926**

3.58 Plots 9 and 1,3,20 (2024) Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.0488	39.5630	46.4915	0.0856		1.7411	1.7411		1.6038	1.6038		8,251.0065	8,251.0065	2.6496		8,317.2468
Paving	1.2360					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**5.2848**	**39.5630**	**46.4915**	**0.0856**		**1.7411**	**1.7411**		**1.6038**	**1.6038**		**8,251.0065**	**8,251.0065**	**2.6496**		**8,317.2468**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0351	4.4854	52.3387	0.0856		0.1380	0.1380		0.1380	0.1380	0.0000	8,251.0065	8,251.0065	2.6496		8,317.2468
Paving	1.2360					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.2711**	**4.4854**	**52.3387**	**0.0856**		**0.1380**	**0.1380**		**0.1380**	**0.1380**	**0.0000**	**8,251.0065**	**8,251.0065**	**2.6496**		**8,317.2468**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Total					

4.3 Trip Type Information

	Miles	Trip %	Trip Purpose %

Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
NaturalGas Unmitigated	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	225803	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909

Total		**2.4351**	**22.1375**	**18.5955**	**0.1328**		**1.6825**	**1.6825**		**1.6825**	**1.6825**		**26,565.0282**	**26,565.0282**	**0.5092**	**0.4870**	**26,722.8909**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	225.803	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
Total		**2.4351**	**22.1375**	**18.5955**	**0.1328**		**1.6825**	**1.6825**		**1.6825**	**1.6825**		**26,565.0282**	**26,565.0282**	**0.5092**	**0.4870**	**26,722.8909**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	909.6882	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Unmitigated	909.6882	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	103.5231					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	805.7870					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.3780	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Total	**909.6881**	**0.0371**	**4.1313**	**3.1000e-004**		**0.0147**	**0.0147**		**0.0147**	**0.0147**		**8.9125**	**8.9125**	**0.0230**		**9.4865**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	103.5231					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	805.7870					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.3780	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Total	**909.6881**	**0.0371**	**4.1313**	**3.1000e-004**		**0.0147**	**0.0147**		**0.0147**	**0.0147**		**8.9125**	**8.9125**	**0.0230**		**9.4865**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Plots 5, 10, 8, 6, 7, and 11

World Logistcs Center Construction - Plots 5, 19, 8, 6, 7, and 11

Regional Emissions Mitigated

Summer	Onsite Emissions										Onsite Mobile Emissions									
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Source	lb/day										lb/day									
3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	5.85	26.34	201.37	0.44	20.99	0.83	21.82	10.05	0.82	10.87	0.16	0.10	0.20	0.01	12.73	0.00	12.73	1.27	0.00	1.27
3.3 Plots 5 and 10 (2025) Finish Grading - 2025	0.13	0.58	8.22	0.01	11.95	0.02	11.97	6.48	0.02	6.50	0.08	0.03	0.06	0.00	4.12	0.00	4.12	0.41	0.00	0.41
3.4 Plots 5 and 10 (2025) Utilities - 2025	4.47	25.46	180.26	0.35	0.00	0.58	0.58	0.00	0.58	0.58	0.47	0.43	0.39	0.03	18.53	0.00	18.53	1.85	0.00	1.85
3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	0.59	2.85	28.30	0.04	0.00	0.10	0.10	0.00	0.10	0.10	0.07	0.40	0.36	0.00	11.61	0.00	11.61	1.16	0.00	1.16
3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	1.66	7.20	90.43	0.14	0.00	0.22	0.22	0.00	0.22	0.22	0.28	0.18	0.18	0.02	10.08	0.00	10.08	1.01	0.00	1.01
3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	0.71	7.68	33.93	0.05	0.00	0.09	0.09	0.00	0.09	0.09	0.13	0.28	0.24	0.01	8.37	0.00	8.37	0.84	0.00	0.84
3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	1.16	12.37	36.00	0.05	0.00	0.21	0.21	0.00	0.20	0.20	0.13	0.03	0.04	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.9 Plots 5 and 10 (2025) Landscaping - 2025	1.19	12.52	38.18	0.05	0.00	0.21	0.21	0.00	0.20	0.20	0.11	0.03	0.04	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	0.34	1.48	12.52	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	1.50	2.21	11.91	0.02	0.00	0.04	0.04	0.00	0.04	0.04	0.08	0.05	0.06	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.12 Plots 5 and 10 (2025) Paving - 2025	2.28	4.49	52.34	0.09	0.00	0.14	0.14	0.00	0.14	0.14	0.12	0.06	0.10	0.01	6.87	0.00	6.88	0.69	0.00	0.69
3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	5.49	24.79	188.02	0.42	12.80	0.78	13.58	5.27	0.77	6.04	0.20	0.16	0.19	0.01	11.00	0.00	11.00	1.10	0.00	1.10
3.14 Plots 10 and 8 (2026) Finish Grading - 2026	0.13	0.58	8.22	0.01	9.00	0.02	9.02	4.86	0.02	4.88	0.06	0.11	0.12	0.00	4.96	0.00	4.96	0.50	0.00	0.50
3.15 Plots 10 and 8 (2026) Utilities - 2026	2.96	15.89	117.03	0.23	0.00	0.39	0.39	0.00	0.39	0.39	0.30	0.26	0.24	0.02	11.78	0.00	11.78	1.18	0.00	1.18
3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	0.41	2.08	17.25	0.03	0.00	0.07	0.07	0.00	0.07	0.07	0.07	0.27	0.24	0.00	7.90	0.00	7.90	0.79	0.00	0.79
3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	0.86	3.72	46.85	0.07	0.00	0.11	0.11	0.00	0.11	0.11	0.17	0.10	0.10	0.01	5.92	0.00	5.92	0.59	0.00	0.59
3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	0.45	5.00	21.09	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.09	0.15	0.13	0.01	5.02	0.00	5.02	0.50	0.00	0.50
3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	0.60	6.26	19.09	0.03	0.00	0.11	0.11	0.00	0.10	0.10	0.08	0.03	0.03	0.00	2.62	0.00	2.62	0.26	0.00	0.26
3.20 Plots 10 and 8 (2026) Landscaping - 2026	0.60	6.26	19.09	0.03	0.00	0.11	0.11	0.00	0.10	0.10	0.08	0.03	0.04	0.00	3.38	0.00	3.38	0.34	0.00	0.34
3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	0.17	0.74	6.26	0.01	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	1.46	2.00	10.71	0.01	0.00	0.03	0.03	0.00	0.03	0.03	0.09	0.06	0.08	0.00	5.12	0.00	5.12	0.51	0.00	0.51
3.23 Plots 10 and 8 (2026) Paving - 2026	1.76	2.24	26.17	0.04	0.00	0.07	0.07	0.00	0.07	0.07	0.07	0.04	0.06	0.00	4.38	0.00	4.38	0.44	0.00	0.44
3.24 Plot 8 (2027) Mass Excavation - 2027	5.49	24.79	188.02	0.42	11.11	0.78	11.89	5.09	0.77	5.86	0.12	0.11	0.10	0.01	4.63	0.00	4.63	0.46	0.00	0.46
3.25 Plot 8 (2027) Finish Grading - 2027	0.13	0.58	8.22	0.01	3.03	0.02	3.04	1.62	0.02	1.64	0.02	0.10	0.09	0.00	2.90	0.00	2.90	0.29	0.00	0.29
3.26 Plot 8 (2027) Utilities - 2027	2.24	12.77	90.67	0.17	0.00	0.29	0.29	0.00	0.29	0.29	0.07	0.04	0.04	0.00	2.52	0.00	2.52	0.25	0.00	0.25
3.27 Plot 8 (2027) Building-Concrete - 2027	0.41	2.08	17.25	0.03	0.00	0.07	0.07	0.00	0.07	0.07	0.03	0.07	0.06	0.00	2.09	0.00	2.09	0.21	0.00	0.21
3.28 Plot 8 (2027) Building-Wet Utilities - 2027	0.86	3.72	46.85	0.07	0.00	0.11	0.11	0.00	0.11	0.11	0.03	0.01	0.01	0.00	0.88	0.00	0.89	0.09	0.00	0.09
3.29 Plot 8 (2027) Building-Electrical - 2027	0.45	5.00	21.09	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.03	0.01	0.01	0.00	0.83	0.00	0.83	0.08	0.00	0.08
3.30 Plot 8 (2027) Building-Landscaping - 2027	0.60	6.26	19.09	0.03	0.00	0.11	0.11	0.00	0.10	0.10	0.02	0.01	0.01	0.00	0.85	0.00	0.85	0.09	0.00	0.09
3.31 Plot 8 (2027) Landscaping - 2027	0.60	6.26	19.09	0.03	0.00	0.11	0.11	0.00	0.10	0.10	0.03	0.01	0.02	0.00	1.72	0.00	1.72	0.17	0.00	0.17
3.32 Plot 8 (2027) Temporary Utilities - 2027	0.17	0.74	6.26	0.01	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	1.28	0.21	1.21	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.05	0.03	0.05	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.34 Plot 8 (2027) Paving - 2027	1.76	2.24	26.17	0.04	0.00	0.07	0.07	0.00	0.07	0.07	0.01	0.01	0.01	0.00	0.95	0.00	0.95	0.09	0.00	0.09
3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	5.65	25.49	193.94	0.43	15.74	0.80	16.54	5.59	0.79	6.38	0.34	0.25	0.38	0.02	24.17	0.00	24.18	2.41	0.00	2.41
3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	0.13	0.58	8.22	0.01	3.41	0.02	3.43	1.67	0.02	1.68	0.10	0.06	0.11	0.00	7.03	0.00	7.03	0.70	0.00	0.70
3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2.24	12.77	90.67	0.17	0.00	0.29	0.29	0.00	0.29	0.29	0.80	0.75	0.66	0.05	32.45	0.01	32.46	3.24	0.00	3.24
3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	0.34	1.62	16.87	0.02	0.00	0.05	0.05	0.00	0.05	0.05	0.17	0.35	0.36	0.01	15.60	0.00	15.61	1.56	0.00	1.56
3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	0.86	3.72	46.85	0.07	0.00	0.11	0.11	0.00	0.11	0.11	0.48	0.31	0.30	0.03	17.64	0.00	17.65	1.76	0.00	1.76
3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	0.44	4.95	21.05	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.22	0.49	0.41	0.01	14.67	0.00	14.67	1.46	0.00	1.47
3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	0.58	6.18	18.00	0.02	0.00	0.10	0.10	0.00	0.10	0.10	0.22	0.05	0.06	0.01	6.19	0.00	6.20	0.62	0.00	0.62
3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	0.60	6.26	19.09	0.03	0.00	0.11	0.11	0.00	0.10	0.10	0.19	0.05	0.06	0.01	5.83	0.00	5.83	0.58	0.00	0.58
3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	0.17	0.74	6.26	0.01	0.00	0.02	0.02	0.00	0.02	0.02	0.08	0.05	0.06	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	1.45	1.92	9.62	0.01	0.00	0.03	0.03	0.00	0.03	0.03	0.18	0.09	0.14	0.01	9.44	0.00	9.44	0.94	0.00	0.94
3.45 Plots 11 and 6,7 (2028) Paving - 2028	1.76	2.24	26.17	0.04	0.00	0.07	0.07	0.00	0.07	0.07	0.09	0.04	0.07	0.00	5.16	0.00	5.16	0.51	0.00	0.51
3.46 Plot 11 (2029) Mass Excavation - 2029	5.13	23.24	174.67	0.39	18.02	0.73	18.75	5.84	0.72	6.56	0.21	0.16	0.22	0.01	14.22	0.00	14.22	1.42	0.00	1.42
3.47 Plot 11 (2029) Finish Grading - 2029	0.13	0.58	8.22	0.01	3.30	0.02	3.31	1.65	0.02	1.67	0.08	0.04	0.06	0.00	4.25	0.00	4.25	0.42	0.00	0.42
3.48 Plot 11 (2029) Utilities - 2029	2.24	12.77	90.67	0.17	0.00	0.29	0.29	0.00	0.29	0.29	0.46	0.43	0.37	0.03	18.53	0.00	18.53	1.85	0.00	1.85
3.49 Plot 11 (2029) Building-Concrete - 2029	0.34	1.62	16.87	0.02	0.00	0.05	0.05	0.00	0.05	0.05	0.07	0.39	0.35	0.00	11.61	0.00	11.61	1.16	0.00	1.16
3.50 Plot 11 (2029) Building-Wet Utilities - 2029	0.86	3.72	46.85	0.07	0.00	0.11	0.11	0.00	0.11	0.11	0.27	0.18	0.17	0.02	10.08	0.00	10.08	1.01	0.00	1.01
3.51 Plot 11 (2029) Building-Electrical - 2029	0.44	4.95	21.05	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.12	0.28	0.23	0.01	8.37	0.00	8.37	0.84	0.00	0.84
3.52 Plot 11 (2029) Building-Landscaping - 2029	0.57	6.15	17.46	0.02	0.00	0.10	0.10	0.00	0.10	0.10	0.12	0.03	0.04	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.53 Plot 11 (2029) Landscaping - 2029	0.60	6.26	19.09	0.03	0.00	0.11	0.11	0.00	0.10	0.10	0.11	0.03	0.03	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.54 Plot 11 (2029) Temporary Utilities - 2029	0.17	0.74	6.26	0.01	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	1.44	1.92	9.62	0.01	0.00	0.03	0.03	0.00	0.03	0.03	0.07	0.05	0.05	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.56 Plot 11 (2029) Paving - 2029	1.76	2.24	26.17	0.04	0.00	0.07	0.07	0.00	0.07	0.07	0.12	0.06	0.09	0.01	6.87	0.00	6.88	0.69	0.00	0.69

World Logistcs Center Construction - Plots 5, 19, 8, 6, 7, and 11

Regional Emissions Mitigated

Summer	Offsite Mobile Emissions									
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Source	lb/day									
3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	0.09	1.40	2.30	0.01	1.20	0.01	1.22	0.32	0.01	0.34
3.3 Plots 5 and 10 (2025) Finish Grading - 2025	0.03	0.54	0.72	0.01	0.39	0.01	0.40	0.11	0.00	0.11
3.4 Plots 5 and 10 (2025) Utilities - 2025	0.11	5.89	2.41	0.04	1.86	0.05	1.91	0.51	0.05	0.56
3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	0.06	4.21	0.81	0.02	0.86	0.03	0.90	0.24	0.03	0.27
3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	0.06	2.71	1.42	0.02	1.00	0.02	1.03	0.28	0.02	0.30
3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	0.06	3.31	1.36	0.02	1.03	0.03	1.06	0.28	0.03	0.31
3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	0.03	0.73	0.75	0.01	0.45	0.01	0.45	0.12	0.01	0.13
3.9 Plots 5 and 10 (2025) Landscaping - 2025	0.01	0.59	0.13	0.00	0.14	0.00	0.14	0.04	0.00	0.04
3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	0.01	0.03	0.40	0.00	0.19	0.00	0.19	0.05	0.00	0.05
3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	0.03	0.79	1.13	0.01	0.62	0.01	0.63	0.17	0.01	0.17
3.12 Plots 5 and 10 (2025) Paving - 2025	0.04	0.90	0.59	0.01	0.37	0.01	0.38	0.10	0.01	0.11
3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	0.08	2.19	2.22	0.02	1.35	0.02	1.37	0.36	0.02	0.38
3.14 Plots 10 and 8 (2026) Finish Grading - 2026	0.03	1.33	0.72	0.01	0.51	0.01	0.52	0.14	0.01	0.15
3.15 Plots 10 and 8 (2026) Utilities - 2026	0.07	3.63	2.00	0.02	1.44	0.03	1.47	0.39	0.03	0.42
3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	0.05	2.96	1.23	0.02	0.95	0.03	0.98	0.26	0.02	0.28
3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	0.04	1.54	1.18	0.01	0.78	0.01	0.79	0.21	0.01	0.23
3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	0.03	1.80	0.77	0.01	0.60	0.02	0.61	0.16	0.01	0.18
3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	0.02	0.55	0.48	0.00	0.31	0.00	0.31	0.08	0.00	0.09
3.20 Plots 10 and 8 (2026) Landscaping - 2026	0.02	0.53	0.48	0.00	0.30	0.00	0.31	0.08	0.00	0.09
3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	0.03	0.83	0.52	0.01	0.35	0.01	0.36	0.10	0.01	0.10
3.23 Plots 10 and 8 (2026) Paving - 2026	0.03	0.58	1.05	0.01	0.58	0.01	0.59	0.16	0.01	0.16
3.24 Plot 8 (2027) Mass Excavation - 2027	0.05	1.54	1.97	0.01	1.22	0.02	1.24	0.33	0.01	0.34
3.25 Plot 8 (2027) Finish Grading - 2027	0.02	1.07	0.54	0.01	0.41	0.01	0.42	0.11	0.01	0.12
3.26 Plot 8 (2027) Utilities - 2027	0.02	0.71	0.99	0.01	0.61	0.01	0.61	0.16	0.01	0.17
3.27 Plot 8 (2027) Building-Concrete - 2027	0.03	0.89	1.42	0.01	0.85	0.01	0.86	0.23	0.01	0.24
3.28 Plot 8 (2027) Building-Wet Utilities - 2027	0.02	0.22	0.92	0.00	0.52	0.00	0.52	0.14	0.00	0.14
3.29 Plot 8 (2027) Building-Electrical - 2027	0.01	0.18	0.56	0.00	0.32	0.00	0.32	0.09	0.00	0.09
3.30 Plot 8 (2027) Building-Landscaping - 2027	0.01	0.22	0.65	0.00	0.37	0.00	0.37	0.10	0.00	0.10
3.31 Plot 8 (2027) Landscaping - 2027	0.02	0.27	0.93	0.00	0.52	0.00	0.52	0.14	0.00	0.14
3.32 Plot 8 (2027) Temporary Utilities - 2027	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	0.02	0.47	0.53	0.00	0.33	0.00	0.33	0.09	0.00	0.09
3.34 Plot 8 (2027) Paving - 2027	0.01	0.13	0.64	0.00	0.35	0.00	0.35	0.09	0.00	0.10
3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	0.11	3.38	2.27	0.02	1.60	0.03	1.62	0.43	0.03	0.46
3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	0.03	0.87	0.50	0.01	0.36	0.01	0.37	0.10	0.01	0.11
3.37 Plots 11 and 6,7 (2028) Utilities - 2028	0.14	10.05	1.68	0.05	2.12	0.08	2.20	0.59	0.08	0.67
3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	0.09	4.10	2.16	0.03	1.64	0.04	1.68	0.44	0.03	0.48
3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	0.08	4.61	1.54	0.03	1.40	0.04	1.44	0.39	0.04	0.42
3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	0.07	5.70	1.11	0.03	1.26	0.05	1.31	0.35	0.04	0.39
3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	0.04	1.22	1.08	0.01	0.76	0.01	0.77	0.21	0.01	0.22
3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	0.04	1.09	1.56	0.01	1.00	0.01	1.01	0.27	0.01	0.28
3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	0.01	0.72	0.11	0.00	0.14	0.01	0.15	0.04	0.01	0.05
3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	0.04	1.43	0.76	0.01	0.58	0.01	0.59	0.16	0.01	0.17
3.45 Plots 11 and 6,7 (2028) Paving - 2028	0.02	0.66	0.47	0.00	0.33	0.01	0.33	0.09	0.01	0.09
3.46 Plot 11 (2029) Mass Excavation - 2029	0.07	2.20	1.96	0.02	1.36	0.02	1.38	0.37	0.02	0.39
3.47 Plot 11 (2029) Finish Grading - 2029	0.03	0.62	0.91	0.01	0.60	0.01	0.60	0.16	0.01	0.17
3.48 Plot 11 (2029) Utilities - 2029	0.08	5.74	1.56	0.03	1.58	0.05	1.62	0.44	0.04	0.48
3.49 Plot 11 (2029) Building-Concrete - 2029	0.06	4.24	1.60	0.02	1.39	0.04	1.42	0.37	0.03	0.41
3.50 Plot 11 (2029) Building-Wet Utilities - 2029	0.05	2.63	1.19	0.02	1.00	0.02	1.03	0.28	0.02	0.30
3.51 Plot 11 (2029) Building-Electrical - 2029	0.04	3.25	0.82	0.02	0.84	0.03	0.87	0.23	0.03	0.26
3.52 Plot 11 (2029) Building-Landscaping - 2029	0.02	0.70	0.70	0.01	0.49	0.01	0.50	0.13	0.01	0.14
3.53 Plot 11 (2029) Landscaping - 2029	0.02	0.59	0.52	0.00	0.38	0.01	0.38	0.10	0.01	0.11
3.54 Plot 11 (2029) Temporary Utilities - 2029	0.01	0.04	0.80	0.00	0.47	0.00	0.48	0.13	0.00	0.13
3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	0.01	0.71	0.11	0.00	0.14	0.01	0.15	0.04	0.01	0.05
3.56 Plot 11 (2029) Paving - 2029	0.03	0.87	0.49	0.01	0.37	0.01	0.38	0.10	0.01	0.11

Regional Emissions	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	6.10	27.84	203.87	0.47	34.92	0.84	35.77	11.64	0.83	12.47
3.3 Plots 5 and 10 (2025) Finish Grading - 2025	0.24	1.15	9.00	0.02	16.47	0.02	16.49	7.00	0.02	7.02
3.4 Plots 5 and 10 (2025) Utilities - 2025	5.05	31.78	183.06	0.41	20.39	0.63	21.02	2.36	0.63	2.99
3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	0.73	7.46	29.47	0.07	12.48	0.13	12.61	1.39	0.13	1.52
3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2.00	10.09	92.03	0.17	11.08	0.25	11.33	1.28	0.24	1.53
3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	0.89	11.28	35.53	0.07	9.40	0.11	9.51	1.12	0.11	1.23
3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	1.31	13.13	36.79	0.06	3.99	0.22	4.20	0.48	0.21	0.68
3.9 Plots 5 and 10 (2025) Landscaping - 2025	1.32	13.14	38.35	0.06	3.47	0.22	3.69	0.37	0.21	0.58
3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	0.35	1.51	12.92	0.03	0.19	0.05	0.24	0.05	0.05	0.10
3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	1.61	3.05	13.10	0.03	4.03	0.04	4.08	0.51	0.04	0.55
3.12 Plots 5 and 10 (2025) Paving - 2025	2.43	5.44	53.03	0.10	7.25	0.15	7.39	0.79	0.15	0.93
3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	5.76	27.14	190.43	0.44	25.15	0.80	25.95	6.73	0.79	7.52
3.14 Plots 10 and 8 (2026) Finish Grading - 2026	0.22	2.02	9.06	0.02	14.47	0.03	14.50	5.50	0.03	5.52
3.15 Plots 10 and 8 (2026) Utilities - 2026	3.34	19.78	119.27	0.27	13.22	0.42	13.65	1.57	0.42	1.99
3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	0.53	5.31	18.72	0.05	8.85	0.10	8.95	1.05	0.10	1.14
3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	1.07	5.36	48.13	0.09	6.70	0.13	6.83	0.80	0.13	0.93
3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	0.57	6.95	21.99	0.04	5.61	0.07	5.68	0.66	0.07	0.73
3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	0.69	6.83	19.60	0.03	2.93	0.11	3.04	0.35	0.11	0.45
3.20 Plots 10 and 8 (2026) Landscaping - 2026	0.70	6.82	19.62	0.03	3.69	0.11	3.80	0.42	0.11	0.53
3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	0.17	0.74	6.26	0.01	0.00	0.02	0.02	0.00	0.02	0.02
3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	1.58	2.89	11.31	0.02	5.47	0.04	5.50	0.61	0.04	0.64
3.23 Plots 10 and 8 (2026) Paving - 2026	1.86	2.86	27.29	0.05	4.97	0.08	5.04	0.59	0.08	0.67
3.24 Plot 8 (2027) Mass Excavation - 2027	5.65	26.44	190.08	0.44	16.97	0.80	17.76	5.88	0.79	6.67
3.25 Plot 8 (2027) Finish Grading - 2027	0.17	1.75	8.86	0.02	6.34	0.03	6.36	2.02	0.03	2.05
3.26 Plot 8 (2027) Utilities - 2027	2.34	13.52	91.70	0.19	3.13	0.30	3.43	0.41	0.30	0.71
3.27 Plot 8 (2027) Building-Concrete - 2027	0.47	3.04	18.73	0.04	2.94	0.08	3.02	0.44	0.08	0.52
3.28 Plot 8 (2027) Building-Wet Utilities - 2027	0.90	3.95	47.78	0.08	1.40	0.12	1.52	0.23	0.12	0.34
3.29 Plot 8 (2027) Building-Electrical - 2027	0.49	5.18	21.66	0.03	1.15	0.06	1.21	0.17	0.06	0.22
3.30 Plot 8 (2027) Building-Landscaping - 2027	0.63	6.49	19.76	0.03	1.22	0.11	1.33	0.18	0.10	0.29
3.31 Plot 8 (2027) Landscaping - 2027	0.65	6.54	20.05	0.03	2.24	0.11	2.35	0.31	0.11	0.42
3.32 Plot 8 (2027) Temporary Utilities - 2027	0.17	0.74	6.26	0.01	0.00	0.02	0.02	0.00	0.02	0.02
3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	1.35	0.72	1.79	0.01	3.74	0.01	3.75	0.43	0.01	0.44
3.34 Plot 8 (2027) Paving - 2027	1.78	2.38	26.82	0.05	1.30	0.07	1.37	0.19	0.07	0.26
3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	6.11	29.12	196.58	0.47	41.51	0.83	42.35	8.44	0.82	9.26
3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	0.26	1.51	8.83	0.02	10.80	0.03	10.83	2.46	0.03	2.49
3.37 Plots 11 and 6,7 (2028) Utilities - 2028	3.19	23.57	93.01	0.27	34.58	0.38	34.95	3.83	0.37	4.20
3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	0.60	6.07	19.38	0.06	17.24	0.09	17.33	2.00	0.09	2.09
3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	1.42	8.64	48.68	0.12	19.05	0.16	19.20	2.15	0.15	2.30
3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	0.72	11.15	22.57	0.07	15.93	0.10	16.03	1.81	0.10	1.91
3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	0.83	7.46	19.15	0.05	6.95	0.12	7.07	0.83	0.11	0.94
3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	0.82	7.39	20.71	0.05	6.83	0.12	6.95	0.85	0.11	0.97
3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	0.26	1.51	6.43	0.02	3.56	0.03	3.59	0.38	0.03	0.41
3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	1.67	3.44	10.52	0.03	10.01	0.04	10.05	1.10	0.04	1.14
3.45 Plots 11 and 6,7 (2028) Paving - 2028	1.88	2.95	26.71	0.05	5.48	0.08	5.56	0.60	0.07	0.68
3.46 Plot 11 (2029) Mass Excavation - 2029	5.41	25.60	176.85	0.41	33.60	0.75	34.36	7.62	0.74	8.37
3.47 Plot 11 (2029) Finish Grading - 2029	0.24	1.23	9.19	0.02	8.14	0.02	8.17	2.24	0.02	2.26
3.48 Plot 11 (2029) Utilities - 2029	2.79	18.94	92.61	0.23	20.10	0.34	20.44	2.28	0.34	2.62
3.49 Plot 11 (2029) Building-Concrete - 2029	0.47	6.25	18.82	0.05	13.00	0.09	13.09	1.53	0.09	1.62
3.50 Plot 11 (2029) Building-Wet Utilities - 2029	1.18	6.53	48.21	0.10	11.08	0.14	11.22	1.28	0.14	1.42
3.51 Plot 11 (2029) Building-Electrical - 2029	0.60	8.49	22.11	0.05	9.21	0.08	9.29	1.07	0.08	1.14
3.52 Plot 11 (2029) Building-Landscaping - 2029	0.71	6.87	18.19	0.04	4.03	0.11	4.14	0.49	0.10	0.59
3.53 Plot 11 (2029) Landscaping - 2029	0.72	6.88	19.65	0.04	3.71	0.11	3.82	0.44	0.11	0.54
3.54 Plot 11 (2029) Temporary Utilities - 2029	0.18	0.78	7.06	0.02	0.47	0.02	0.50	0.13	0.02	0.15
3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	1.53	2.68	9.79	0.02	3.56	0.03	3.59	0.38	0.03	0.41
3.56 Plot 11 (2029) Paving - 2029	1.90	3.17	26.75	0.05	7.25	0.08	7.32	0.79	0.08	0.86
2025	154.11	125.87	707.15	1.48	123.66	2.67	126.33	26.98	2.62	29.60
2026	148.58	86.69	491.69	1.08	91.07	1.91	92.98	18.28	1.88	20.15
2027	146.68	70.74	453.49	0.91	40.42	1.71	42.12	10.26	1.68	11.94
2028	149.84	102.80	472.58	1.21	171.95	1.97	173.92	24.46	1.91	26.37
2029	147.83	87.42	449.22	1.04	114.15	1.79	115.94	18.24	1.75	19.99
Daily Maximum	**154.11**	**125.87**	**707.15**	**1.48**	**171.95**	**2.67**	**173.92**	**26.98**	**2.62**	**29.60**
SCAQMD Regional Significance Thresholds	75.00	100.00	550.00	150.00			150.00			55.00
Exceeds Threshold?	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No

	VOC Summary
2025	132.08
2026	132.08
2027	132.09
2028	132.08
2029	132.08

World Logistcs Center Construction - Plots 5, 19, 8, 6, 7, and 11

Localized Emissions Mitigated

Summer	Onsite Emissions										Onsite Mobile Emissions									
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Source	lb/day										lb/day									
3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	5.85	26.34	201.37	0.44	20.99	0.83	21.82	10.05	0.82	10.87	0.16	0.10	0.20	0.01	12.73	0.00	12.73	1.27	0.00	1.27
3.3 Plots 5 and 10 (2025) Finish Grading - 2025	0.13	0.58	8.22	0.01	11.95	0.02	11.97	6.48	0.02	6.50	0.08	0.03	0.06	0.00	4.12	0.00	4.12	0.41	0.00	0.41
3.4 Plots 5 and 10 (2025) Utilities - 2025	4.47	25.46	180.26	0.35	0.00	0.58	0.58	0.00	0.58	0.58	0.47	0.43	0.39	0.03	18.53	0.00	18.53	1.85	0.00	1.85
3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	0.59	2.85	28.30	0.04	0.00	0.10	0.10	0.00	0.10	0.10	0.07	0.40	0.36	0.00	11.61	0.00	11.61	1.16	0.00	1.16
3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	1.66	7.20	90.43	0.14	0.00	0.22	0.22	0.00	0.22	0.22	0.28	0.18	0.18	0.02	10.08	0.00	10.08	1.01	0.00	1.01
3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	0.71	7.68	33.93	0.05	0.00	0.09	0.09	0.00	0.09	0.09	0.13	0.28	0.24	0.01	8.37	0.00	8.37	0.84	0.00	0.84
3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	1.16	12.37	36.00	0.05	0.00	0.21	0.21	0.00	0.20	0.20	0.13	0.03	0.04	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.9 Plots 5 and 10 (2025) Landscaping - 2025	1.19	12.52	38.18	0.05	0.00	0.21	0.21	0.00	0.20	0.20	0.11	0.03	0.04	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	0.34	1.48	12.52	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	1.50	2.21	11.91	0.02	0.00	0.04	0.04	0.00	0.04	0.04	0.08	0.05	0.06	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.12 Plots 5 and 10 (2025) Paving - 2025	2.28	4.49	52.34	0.09	0.00	0.14	0.14	0.00	0.14	0.14	0.12	0.06	0.10	0.01	6.87	0.00	6.88	0.69	0.00	0.69
3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	5.49	24.79	188.02	0.42	12.80	0.78	13.58	5.27	0.77	6.04	0.20	0.16	0.19	0.01	11.00	0.00	11.00	1.10	0.00	1.10
3.14 Plots 10 and 8 (2026) Finish Grading - 2026	0.13	0.58	8.22	0.01	9.00	0.02	9.02	4.86	0.02	4.88	0.06	0.11	0.12	0.00	4.96	0.00	4.96	0.50	0.00	0.50
3.15 Plots 10 and 8 (2026) Utilities - 2026	2.96	15.89	117.03	0.23	0.00	0.39	0.39	0.00	0.39	0.39	0.30	0.26	0.24	0.02	11.78	0.00	11.78	1.18	0.00	1.18
3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	0.41	2.08	17.25	0.03	0.00	0.07	0.07	0.00	0.07	0.07	0.07	0.27	0.24	0.00	7.90	0.00	7.90	0.79	0.00	0.79
3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	0.86	3.72	46.85	0.07	0.00	0.11	0.11	0.00	0.11	0.11	0.17	0.10	0.10	0.01	5.92	0.00	5.92	0.59	0.00	0.59
3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	0.45	5.00	21.09	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.09	0.15	0.13	0.01	5.02	0.00	5.02	0.50	0.00	0.50
3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	0.60	6.26	19.09	0.03	0.00	0.11	0.11	0.00	0.10	0.10	0.08	0.03	0.03	0.00	2.62	0.00	2.62	0.26	0.00	0.26
3.20 Plots 10 and 8 (2026) Landscaping - 2026	0.60	6.26	19.09	0.03	0.00	0.11	0.11	0.00	0.10	0.10	0.08	0.03	0.04	0.00	3.38	0.00	3.38	0.34	0.00	0.34
3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	0.17	0.74	6.26	0.01	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	1.46	2.00	10.71	0.01	0.00	0.03	0.03	0.00	0.03	0.03	0.09	0.06	0.08	0.00	5.12	0.00	5.12	0.51	0.00	0.51
3.23 Plots 10 and 8 (2026) Paving - 2026	1.76	2.24	26.17	0.04	0.00	0.07	0.07	0.00	0.07	0.07	0.07	0.04	0.06	0.00	4.38	0.00	4.38	0.44	0.00	0.44
3.24 Plot 8 (2027) Mass Excavation - 2027	5.49	24.79	188.02	0.42	11.11	0.78	11.89	5.09	0.77	5.86	0.12	0.11	0.10	0.01	4.63	0.00	4.63	0.46	0.00	0.46
3.25 Plot 8 (2027) Finish Grading - 2027	0.13	0.58	8.22	0.01	3.03	0.02	3.04	1.62	0.02	1.64	0.02	0.10	0.09	0.00	2.90	0.00	2.90	0.29	0.00	0.29
3.26 Plot 8 (2027) Utilities - 2027	2.24	12.77	90.67	0.17	0.00	0.29	0.29	0.00	0.29	0.29	0.07	0.04	0.04	0.00	2.52	0.00	2.52	0.25	0.00	0.25
3.27 Plot 8 (2027) Building-Concrete - 2027	0.41	2.08	17.25	0.03	0.00	0.07	0.07	0.00	0.07	0.07	0.03	0.07	0.06	0.00	2.09	0.00	2.09	0.21	0.00	0.21
3.28 Plot 8 (2027) Building-Wet Utilities - 2027	0.86	3.72	46.85	0.07	0.00	0.11	0.11	0.00	0.11	0.11	0.03	0.01	0.01	0.00	0.88	0.00	0.89	0.09	0.00	0.09
3.29 Plot 8 (2027) Building-Electrical - 2027	0.45	5.00	21.09	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.03	0.01	0.01	0.00	0.83	0.00	0.83	0.08	0.00	0.08
3.30 Plot 8 (2027) Building-Landscaping - 2027	0.60	6.26	19.09	0.03	0.00	0.11	0.11	0.00	0.10	0.10	0.02	0.01	0.01	0.00	0.85	0.00	0.85	0.09	0.00	0.09
3.31 Plot 8 (2027) Landscaping - 2027	0.60	6.26	19.09	0.03	0.00	0.11	0.11	0.00	0.10	0.10	0.03	0.01	0.02	0.00	1.72	0.00	1.72	0.17	0.00	0.17
3.32 Plot 8 (2027) Temporary Utilities - 2027	0.17	0.74	6.26	0.01	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	1.28	0.21	1.21	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.05	0.03	0.05	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.34 Plot 8 (2027) Paving - 2027	1.76	2.24	26.17	0.04	0.00	0.07	0.07	0.00	0.07	0.07	0.01	0.01	0.01	0.00	0.95	0.00	0.95	0.09	0.00	0.09
3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	5.65	25.49	193.94	0.43	15.74	0.80	16.54	5.59	0.79	6.38	0.34	0.25	0.38	0.02	24.17	0.00	24.18	2.41	0.00	2.41
3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	0.13	0.58	8.22	0.01	3.41	0.02	3.43	1.67	0.02	1.68	0.10	0.06	0.11	0.00	7.03	0.00	7.03	0.70	0.00	0.70
3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2.24	12.77	90.67	0.17	0.00	0.29	0.29	0.00	0.29	0.29	0.80	0.75	0.66	0.05	32.45	0.01	32.46	3.24	0.00	3.24
3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	0.34	1.62	16.87	0.02	0.00	0.05	0.05	0.00	0.05	0.05	0.17	0.35	0.36	0.01	15.60	0.00	15.61	1.56	0.00	1.56
3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	0.86	3.72	46.85	0.07	0.00	0.11	0.11	0.00	0.11	0.11	0.48	0.31	0.30	0.03	17.64	0.00	17.65	1.76	0.00	1.76
3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	0.44	4.95	21.05	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.22	0.49	0.41	0.01	14.67	0.00	14.67	1.46	0.00	1.47
3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	0.58	6.18	18.00	0.02	0.00	0.10	0.10	0.00	0.10	0.10	0.22	0.05	0.06	0.01	6.19	0.00	6.20	0.62	0.00	0.62
3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	0.60	6.26	19.09	0.03	0.00	0.11	0.11	0.00	0.10	0.10	0.19	0.05	0.06	0.01	5.83	0.00	5.83	0.58	0.00	0.58
3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	0.17	0.74	6.26	0.01	0.00	0.02	0.02	0.00	0.02	0.02	0.08	0.05	0.06	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	1.45	1.92	9.62	0.01	0.00	0.03	0.03	0.00	0.03	0.03	0.18	0.09	0.14	0.01	9.44	0.00	9.44	0.94	0.00	0.94
3.45 Plots 11 and 6,7 (2028) Paving - 2028	1.76	2.24	26.17	0.04	0.00	0.07	0.07	0.00	0.07	0.07	0.09	0.04	0.07	0.00	5.16	0.00	5.16	0.51	0.00	0.51
3.46 Plot 11 (2029) Mass Excavation - 2029	5.13	23.24	174.67	0.39	18.02	0.73	18.75	5.84	0.72	6.56	0.21	0.16	0.22	0.01	14.22	0.00	14.22	1.42	0.00	1.42
3.47 Plot 11 (2029) Finish Grading - 2029	0.13	0.58	8.22	0.01	3.30	0.02	3.31	1.65	0.02	1.67	0.08	0.04	0.06	0.00	4.25	0.00	4.25	0.42	0.00	0.42
3.48 Plot 11 (2029) Utilities - 2029	2.24	12.77	90.67	0.17	0.00	0.29	0.29	0.00	0.29	0.29	0.46	0.43	0.37	0.03	18.53	0.00	18.53	1.85	0.00	1.85
3.49 Plot 11 (2029) Building-Concrete - 2029	0.34	1.62	16.87	0.02	0.00	0.05	0.05	0.00	0.05	0.05	0.07	0.39	0.35	0.00	11.61	0.00	11.61	1.16	0.00	1.16
3.50 Plot 11 (2029) Building-Wet Utilities - 2029	0.86	3.72	46.85	0.07	0.00	0.11	0.11	0.00	0.11	0.11	0.27	0.18	0.17	0.02	10.08	0.00	10.08	1.01	0.00	1.01
3.51 Plot 11 (2029) Building-Electrical - 2029	0.44	4.95	21.05	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.12	0.28	0.23	0.01	8.37	0.00	8.37	0.84	0.00	0.84
3.52 Plot 11 (2029) Building-Landscaping - 2029	0.57	6.15	17.46	0.02	0.00	0.10	0.10	0.00	0.10	0.10	0.12	0.03	0.04	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.53 Plot 11 (2029) Landscaping - 2029	0.60	6.26	19.09	0.03	0.00	0.11	0.11	0.00	0.10	0.10	0.11	0.03	0.03	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.54 Plot 11 (2029) Temporary Utilities - 2029	0.17	0.74	6.26	0.01	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	1.44	1.92	9.62	0.01	0.00	0.03	0.03	0.00	0.03	0.03	0.07	0.05	0.05	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.56 Plot 11 (2029) Paving - 2029	1.76	2.24	26.17	0.04	0.00	0.07	0.07	0.00	0.07	0.07	0.12	0.06	0.09	0.01	6.87	0.00	6.88	0.69	0.00	0.69

Localized Emissions		ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
3.2 Plots 5 and 10 (2025) Mass Excavation - 2025		6.01	26.44	201.57	0.45	33.72	0.83	34.55	11.32	0.82	12.14
3.3 Plots 5 and 10 (2025) Finish Grading - 2025		0.21	0.61	8.28	0.02	16.07	0.02	16.09	6.89	0.02	6.91
3.4 Plots 5 and 10 (2025) Utilities - 2025		4.94	25.90	180.65	0.37	18.53	0.59	19.11	1.85	0.58	2.43
3.5 Plots 5 and 10 (2025) Building-Concrete - 2025		0.67	3.25	28.66	0.04	11.61	0.10	11.71	1.16	0.10	1.26
3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025		1.94	7.38	90.61	0.15	10.08	0.22	10.30	1.01	0.22	1.23
3.7 Plots 5 and 10 (2025) Building-Electrical - 2025		0.84	7.96	34.17	0.05	8.37	0.09	8.45	0.84	0.09	0.92
3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025		1.28	12.40	36.04	0.06	3.54	0.21	3.75	0.35	0.20	0.55
3.9 Plots 5 and 10 (2025) Landscaping - 2025		1.30	12.55	38.22	0.06	3.33	0.22	3.55	0.33	0.20	0.54
3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025		0.34	1.48	12.52	0.03	0.00	0.05	0.05	0.00	0.05	0.05
3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025		1.58	2.26	11.97	0.02	3.41	0.04	3.45	0.34	0.04	0.38
3.12 Plots 5 and 10 (2025) Paving - 2025		2.40	4.54	52.44	0.09	6.87	0.14	7.01	0.69	0.14	0.82
3.13 Plots 10 and 8 (2026) Mass Excavation - 2026		5.69	24.95	188.21	0.43	23.80	0.78	24.58	6.37	0.77	7.14
3.14 Plots 10 and 8 (2026) Finish Grading - 2026		0.19	0.69	8.34	0.01	13.96	0.02	13.98	5.36	0.02	5.38
3.15 Plots 10 and 8 (2026) Utilities - 2026		3.26	16.15	117.27	0.25	11.78	0.39	12.17	1.18	0.39	1.56
3.16 Plots 10 and 8 (2026) Building-Concrete - 2026		0.48	2.35	17.49	0.03	7.90	0.07	7.97	0.79	0.07	0.86
3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026		1.03	3.81	46.95	0.08	5.92	0.12	6.04	0.59	0.11	0.71
3.18 Plots 10 and 8 (2026) Building-Electrical - 2026		0.54	5.15	21.22	0.03	5.02	0.05	5.07	0.50	0.05	0.55
3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026		0.68	6.29	19.13	0.03	2.62	0.11	2.73	0.26	0.10	0.36
3.20 Plots 10 and 8 (2026) Landscaping - 2026		0.68	6.29	19.14	0.03	3.38	0.11	3.49	0.34	0.10	0.44
3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026		0.17	0.74	6.26	0.01	0.00	0.02	0.02	0.00	0.02	0.02
3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026		1.55	2.05	10.79	0.02	5.12	0.03	5.15	0.51	0.03	0.54
3.23 Plots 10 and 8 (2026) Paving - 2026		1.83	2.28	26.23	0.05	4.38	0.07	4.45	0.44	0.07	0.51
3.24 Plot 8 (2027) Mass Excavation - 2027		5.61	24.90	188.11	0.42	15.74	0.78	16.52	5.55	0.77	6.32
3.25 Plot 8 (2027) Finish Grading - 2027		0.15	0.68	8.31	0.01	5.93	0.02	5.95	1.91	0.02	1.93
3.26 Plot 8 (2027) Utilities - 2027		2.31	12.82	90.72	0.18	2.52	0.29	2.81	0.25	0.29	0.54
3.27 Plot 8 (2027) Building-Concrete - 2027		0.44	2.15	17.31	0.03	2.09	0.07	2.16	0.21	0.07	0.28
3.28 Plot 8 (2027) Building-Wet Utilities - 2027		0.89	3.72	46.86	0.07	0.88	0.11	1.00	0.09	0.11	0.20
3.29 Plot 8 (2027) Building-Electrical - 2027		0.47	5.01	21.10	0.03	0.83	0.05	0.89	0.08	0.05	0.14
3.30 Plot 8 (2027) Building-Landscaping - 2027		0.62	6.27	19.11	0.03	0.85	0.11	0.96	0.09	0.10	0.19
3.31 Plot 8 (2027) Landscaping - 2027		0.63	6.27	19.12	0.03	1.72	0.11	1.83	0.17	0.10	0.27
3.32 Plot 8 (2027) Temporary Utilities - 2027		0.17	0.74	6.26	0.01	0.00	0.02	0.02	0.00	0.02	0.02
3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027		1.33	0.25	1.26	0.00	3.41	0.01	3.42	0.34	0.01	0.35
3.34 Plot 8 (2027) Paving - 2027		1.77	2.25	26.18	0.04	0.95	0.07	1.02	0.09	0.07	0.16
3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028		6.00	25.74	194.31	0.45	39.92	0.80	40.72	8.00	0.79	8.80
3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028		0.23	0.64	8.33	0.02	10.44	0.02	10.46	2.37	0.02	2.38
3.37 Plots 11 and 6,7 (2028) Utilities - 2028		3.05	13.52	91.33	0.22	32.45	0.30	32.75	3.24	0.29	3.53
3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028		0.51	1.97	17.23	0.03	15.60	0.06	15.66	1.56	0.05	1.61
3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028		1.33	4.03	47.15	0.10	17.64	0.12	17.76	1.76	0.12	1.88
3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028		0.66	5.45	21.47	0.04	14.67	0.05	14.72	1.46	0.05	1.52
3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028		0.80	6.24	18.06	0.04	6.19	0.11	6.30	0.62	0.10	0.72
3.42 Plots 11 and 6,7 (2028) Landscaping - 2028		0.78	6.31	19.15	0.04	5.83	0.11	5.94	0.58	0.10	0.68
3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028		0.25	0.79	6.31	0.02	3.41	0.02	3.44	0.34	0.02	0.36
3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028		1.62	2.01	9.76	0.02	9.44	0.03	9.46	0.94	0.03	0.97
3.45 Plots 11 and 6,7 (2028) Paving - 2028		1.85	2.29	26.24	0.05	5.16	0.07	5.23	0.51	0.07	0.58
3.46 Plot 11 (2029) Mass Excavation - 2029		5.34	23.40	174.89	0.40	32.24	0.73	32.97	7.26	0.72	7.98
3.47 Plot 11 (2029) Finish Grading - 2029		0.21	0.62	8.28	0.02	7.54	0.02	7.56	2.08	0.02	2.09
3.48 Plot 11 (2029) Utilities - 2029		2.70	13.20	91.05	0.20	18.53	0.30	18.82	1.85	0.29	2.14
3.49 Plot 11 (2029) Building-Concrete - 2029		0.41	2.01	17.22	0.03	11.61	0.05	11.67	1.16	0.05	1.21
3.50 Plot 11 (2029) Building-Wet Utilities - 2029		1.13	3.89	47.02	0.09	10.08	0.12	10.19	1.01	0.11	1.12
3.51 Plot 11 (2029) Building-Electrical - 2029		0.56	5.23	21.29	0.03	8.37	0.05	8.42	0.84	0.05	0.89
3.52 Plot 11 (2029) Building-Landscaping - 2029		0.69	6.18	17.49	0.03	3.54	0.10	3.64	0.35	0.10	0.45
3.53 Plot 11 (2029) Landscaping - 2029		0.70	6.29	19.12	0.03	3.33	0.11	3.44	0.33	0.10	0.43
3.54 Plot 11 (2029) Temporary Utilities - 2029		0.17	0.74	6.26	0.01	0.00	0.02	0.02	0.00	0.02	0.02
3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029		1.52	1.97	9.67	0.02	3.41	0.03	3.44	0.34	0.03	0.37
3.56 Plot 11 (2029) Paving - 2029		1.88	2.30	26.26	0.05	6.87	0.07	6.94	0.69	0.07	0.76
	2025	153.59	104.77	695.14	1.34	115.53	2.49	118.02	24.77	2.45	27.21
	2026	148.18	70.74	481.03	0.97	83.89	1.77	85.66	16.33	1.74	18.07
	2027	146.48	65.05	444.34	0.85	34.93	1.65	36.58	8.79	1.62	10.41
	2028	149.16	68.99	459.35	1.01	160.76	1.69	162.44	21.39	1.65	23.03
	2029	147.40	65.82	438.55	0.90	105.52	1.60	107.13	15.89	1.57	17.47
Daily Maximum		**153.59**	**104.77**	**695.14**	**1.34**	**160.76**	**2.49**	**162.44**	**24.77**	**2.45**	**27.21**
SCAQMD Regional Significance Thresholds		75.00	100.00	550.00	150.00			150.00			55.00
Exceeds Threshold?		Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No

	VOC Summary
2025.00	132.08
2026.00	132.08
2027.00	132.09
2028.00	132.08
2029.00	132.08

ONSITE Mobile Emissions		ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	1.62E-01	9.70E-02	2.03E-01	7.76E-03	1.27E+01	1.23E-03	1.27E+01	1.27E+00	3.77E-04	1.27E+00	3.88E+01	8.24E-01	6.89E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	8.00E-02	3.11E-02	5.93E-02	4.34E-03	4.12E+00	6.09E-04	4.12E+00	4.11E-01	1.29E-04	4.11E-01	1.27E+01	4.70E-01	2.00E-03
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	4.66E-01	4.33E-01	3.93E-01	2.75E-02	1.85E+01	4.10E-03	1.85E+01	1.85E+00	1.10E-03	1.85E+00	1.16E+02	2.93E+00	2.89E-02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	7.33E-02	3.96E-01	3.60E-01	3.00E-03	1.16E+01	1.12E-03	1.16E+01	1.16E+00	8.38E-04	1.16E+00	9.54E+01	2.37E-01	2.86E-02
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2.77E-01	1.81E-01	1.80E-01	1.63E-02	1.01E+01	2.31E-03	1.01E+01	1.01E+00	5.13E-04	1.01E+00	5.24E+01	1.76E+00	1.17E-02
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	1.25E-01	2.83E-01	2.42E-01	6.97E-03	8.37E+00	1.36E-03	8.37E+00	8.35E-01	6.20E-04	8.36E-01	6.89E+01	7.05E-01	1.99E-02
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	1.25E-01	3.19E-02	4.07E-02	7.50E-03	3.54E+00	9.68E-04	3.54E+00	3.53E-01	1.35E-04	3.53E-01	1.24E+01	8.21E-01	1.67E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	1.08E-01	2.77E-02	3.92E-02	6.44E-03	3.33E+00	8.35E-04	3.33E+00	3.32E-01	1.21E-04	3.33E-01	1.12E+01	7.04E-01	1.48E-03
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	7.67E-02	5.10E-02	5.97E-02	4.37E-03	3.41E+00	6.32E-04	3.41E+00	3.41E-01	1.52E-04	3.41E-01	1.56E+01	4.70E-01	3.36E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	1.23E-01	5.83E-02	1.05E-01	6.54E-03	6.87E+00	9.44E-04	6.88E+00	6.86E-01	2.23E-04	6.86E-01	2.24E+01	7.05E-01	3.87E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	1.96E-01	1.56E-01	1.94E-01	1.06E-02	1.10E+01	1.63E-03	1.10E+01	1.10E+00	4.56E-04	1.10E+00	4.73E+01	1.13E+00	1.06E-02
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	5.76E-02	1.14E-01	1.18E-01	2.89E-03	4.96E+00	5.79E-04	4.96E+00	4.95E-01	2.70E-04	4.96E-01	2.96E+01	2.90E-01	8.08E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	3.01E-01	2.61E-01	2.37E-01	1.76E-02	1.18E+01	2.62E-03	1.18E+01	1.18E+00	6.71E-04	1.18E+00	6.96E+01	1.88E+00	1.72E-02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	6.70E-02	2.68E-01	2.38E-01	3.20E-03	7.90E+00	8.91E-04	7.90E+00	7.88E-01	5.68E-04	7.89E-01	6.37E+01	2.90E-01	1.91E-02
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	1.69E-01	9.78E-02	9.78E-02	9.93E-03	5.92E+00	1.39E-03	5.92E+00	5.91E-01	2.87E-04	5.91E-01	2.87E+01	1.07E+00	6.18E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	8.91E-02	1.48E-01	1.29E-01	5.04E-03	5.02E+00	8.84E-04	5.02E+00	5.01E-01	3.37E-04	5.01E-01	3.65E+01	5.20E-01	1.02E-02
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	8.13E-02	2.85E-02	3.40E-02	4.79E-03	2.62E+00	6.40E-04	2.62E+00	2.62E-01	1.04E-04	2.62E-01	9.89E+00	5.20E-01	1.65E-03
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	8.43E-02	2.82E-02	4.40E-02	4.80E-03	3.38E+00	6.51E-04	3.38E+00	3.38E-01	1.14E-04	3.38E-01	1.09E+01	5.20E-01	1.67E-03
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	8.67E-02	5.93E-02	8.45E-02	4.62E-03	5.12E+00	7.01E-04	5.12E+00	5.11E-01	1.89E-04	5.11E-01	1.94E+01	4.92E-01	4.01E-03
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	7.22E-02	3.58E-02	6.50E-02	3.78E-03	4.38E+00	5.57E-04	4.38E+00	4.38E-01	1.36E-04	4.38E-01	1.37E+01	4.05E-01	2.39E-03
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	1.15E-01	1.08E-01	9.52E-02	6.72E-03	4.63E+00	1.02E-03	4.63E+00	4.62E-01	2.69E-04	4.63E-01	2.78E+01	7.10E-01	7.10E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	1.77E-02	9.85E-02	8.86E-02	7.30E-04	2.90E+00	2.74E-04	2.90E+00	2.90E-01	2.05E-04	2.90E-01	2.29E+01	5.75E-02	7.05E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	6.85E-02	4.48E-02	4.31E-02	3.99E-03	2.52E+00	5.74E-04	2.52E+00	2.51E-01	1.25E-04	2.52E-01	1.26E+01	4.26E-01	2.86E-03
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	3.09E-02	7.05E-02	5.95E-02	1.70E-03	2.09E+00	3.36E-04	2.09E+00	2.09E-01	1.52E-04	2.09E-01	1.66E+01	1.71E-01	4.91E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	3.10E-02	7.86E-03	9.38E-03	1.84E-03	8.85E-01	2.41E-04	8.85E-01	8.83E-02	3.27E-05	8.84E-02	2.97E+00	1.99E-01	3.98E-04
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2.69E-02	6.81E-03	9.03E-03	1.58E-03	8.33E-01	2.08E-04	8.33E-01	8.31E-02	2.92E-05	8.31E-02	2.66E+00	1.70E-01	3.52E-04
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	1.89E-02	1.26E-02	1.42E-02	1.07E-03	8.53E-01	1.57E-04	8.53E-01	8.51E-02	3.68E-05	8.52E-02	3.74E+00	1.14E-01	8.22E-04
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	3.00E-02	1.43E-02	2.44E-02	1.60E-03	1.72E+00	2.33E-04	1.72E+00	1.72E-01	5.33E-05	1.72E-01	5.34E+00	1.71E-01	9.36E-04
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	4.80E-02	3.37E-02	5.39E-02	2.43E-03	3.41E+00	3.83E-04	3.41E+00	3.40E-01	1.11E-04	3.40E-01	1.15E+01	2.56E-01	2.32E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	1.14E-02	6.85E-03	1.41E-02	5.42E-04	9.47E-01	8.68E-05	9.47E-01	9.45E-02	2.62E-05	9.45E-02	2.70E+00	5.70E-02	4.83E-04
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	3.41E-01	2.49E-01	3.78E-01	1.74E-02	2.42E+01	2.75E-03	2.42E+01	2.41E+00	7.89E-04	2.41E+00	8.21E+01	1.82E+00	1.70E-02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	9.56E-02	6.37E-02	1.06E-01	4.83E-03	7.03E+00	7.58E-04	7.03E+00	7.01E-01	2.14E-04	7.01E-01	2.22E+01	5.04E-01	4.37E-03
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	8.05E-01	7.53E-01	6.60E-01	4.66E-02	3.25E+01	7.12E-03	3.25E+01	3.24E+00	1.86E-03	3.24E+00	1.91E+02	4.89E+00	4.94E-02
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	1.71E-01	3.53E-01	3.60E-01	8.52E-03	1.56E+01	1.74E-03	1.56E+01	1.56E+00	8.16E-04	1.56E+00	8.86E+01	8.41E-01	2.48E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	4.77E-01	3.13E-01	2.97E-01	2.77E-02	1.76E+01	4.01E-03	1.76E+01	1.76E+00	8.63E-04	1.76E+00	8.63E+01	2.94E+00	1.98E-02
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2.15E-01	4.94E-01	4.15E-01	1.18E-02	1.47E+01	2.34E-03	1.47E+01	1.46E+00	1.05E-03	1.47E+00	1.14E+02	1.18E+00	3.42E-02
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2.16E-01	5.46E-02	6.34E-02	1.28E-02	6.19E+00	1.68E-03	6.20E+00	6.18E-01	2.25E-04	6.18E-01	2.03E+01	1.37E+00	2.73E-03
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	1.87E-01	4.73E-02	6.11E-02	1.09E-02	5.83E+00	1.45E-03	5.83E+00	5.82E-01	2.00E-04	5.82E-01	1.82E+01	1.17E+00	2.41E-03
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	7.52E-02	5.04E-02	5.57E-02	4.24E-03	3.41E+00	6.25E-04	3.41E+00	3.41E-01	1.45E-04	3.41E-01	1.47E+01	4.47E-01	3.26E-03
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	1.75E-01	9.47E-02	1.37E-01	9.53E-03	9.44E+00	1.40E-03	9.44E+00	9.42E-01	3.16E-04	9.42E-01	3.19E+01	1.01E+00	6.14E-03
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	8.93E-02	4.27E-02	7.12E-02	4.76E-03	5.16E+00	6.96E-04	5.16E+00	5.15E-01	1.56E-04	5.15E-01	1.57E+01	5.04E-01	2.77E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2.05E-01	1.61E-01	2.24E-01	1.07E-02	1.42E+01	1.69E-03	1.42E+01	1.42E+00	4.80E-04	1.42E+00	5.01E+01	1.10E+00	1.09E-02
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	7.76E-02	3.79E-02	5.78E-02	4.20E-03	4.25E+00	6.11E-04	4.25E+00	4.24E-01	1.31E-04	4.24E-01	1.32E+01	4.40E-01	2.42E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	4.58E-01	4.28E-01	3.72E-01	2.65E-02	1.85E+01	4.05E-03	1.85E+01	1.85E+00	1.05E-03	1.85E+00	1.07E+02	2.75E+00	2.79E-02
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	6.85E-02	3.93E-01	3.50E-01	2.86E-03	1.16E+01	1.07E-03	1.16E+01	1.16E+00	7.97E-04	1.16E+00	8.82E+01	2.23E-01	2.79E-02
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2.72E-01	1.78E-01	1.67E-01	1.57E-02	1.01E+01	2.28E-03	1.01E+01	1.01E+00	4.85E-04	1.01E+00	4.83E+01	1.65E+00	1.12E-02
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	1.22E-01	2.81E-01	2.35E-01	6.70E-03	8.37E+00	1.33E-03	8.37E+00	8.35E-01	5.93E-04	8.36E-01	6.37E+01	6.61E-01	1.94E-02
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	1.23E-01	3.10E-02	3.51E-02	7.24E-03	3.54E+00	9.60E-04	3.54E+00	3.53E-01	1.26E-04	3.53E-01	1.14E+01	7.70E-01	1.53E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	1.07E-01	2.69E-02	3.38E-02	6.21E-03	3.33E+00	8.27E-04	3.33E+00	3.32E-01	1.12E-04	3.33E-01	1.02E+01	6.60E-01	1.35E-03
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	7.48E-02	5.01E-02	5.46E-02	4.21E-03	3.41E+00	6.22E-04	3.41E+00	3.41E-01	1.42E-04	3.41E-01	1.43E+01	4.40E-01	3.22E-03
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	1.18E-01	5.65E-02	9.24E-02	6.31E-03	6.87E+00	9.23E-04	6.88E+00	6.86E-01	2.02E-04	6.86E-01	2.05E+01	6.61E-01	3.64E-03

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Haul Starting Evaporative Emission Factors ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission Factor (g/min)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1085	4	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	208	1	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	7512	29	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	2191	8	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	5008	19	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	0	0	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	624	2	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	528	2	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	2107.5	8	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	1982	8	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	3677.75	14	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	5008	19	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	1095.5	4	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	2504	10	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	156	1	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	132	1	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	738.25	3	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	342	1	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	1565	6	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	1878	7	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	547.75	2	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	1252	5	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	0	0	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	0	0	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	156	1	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	132	1	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	426.25	2	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	78	0	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	3216.25	12	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	780	3	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	10955	42	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	6162	24	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	3834.25	15	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	8764	34	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	0	0	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	624	2	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	996	4	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	396	2	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	2170	8	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	364	1	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	6260	24	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	7512	29	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	2191	8	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	5008	19	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	0	0	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	0	0	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	0	0	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	624	2	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	528	2	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06

							Daily Emissions													
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1085	4	15	3.38E-06	1.09E-02	2.98E-05	2.49E-09	0.00E+00	3.57E-09	3.57E-09	0.00E+00	3.28E-09	3.28E-09	2.52E-04	1.73E-09	4.91E-08
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	208	1	15	6.47E-07	2.09E-03	5.71E-06	4.78E-10	0.00E+00	6.85E-10	6.85E-10	0.00E+00	6.30E-10	6.30E-10	4.83E-05	3.31E-10	9.41E-09
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	15	1.95E-05	6.30E-02	1.72E-04	1.44E-08	0.00E+00	2.06E-08	2.06E-08	0.00E+00	1.90E-08	1.90E-08	1.45E-03	9.97E-09	2.83E-07
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	7512	29	15	2.34E-05	7.56E-02	2.06E-04	1.73E-08	0.00E+00	2.47E-08	2.47E-08	0.00E+00	2.27E-08	2.27E-08	1.74E-03	1.20E-08	3.40E-07
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	2191	8	15	6.82E-06	2.21E-02	6.01E-05	5.03E-09	0.00E+00	7.21E-09	7.21E-09	0.00E+00	6.63E-09	6.63E-09	5.09E-04	3.49E-09	9.91E-08
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	5008	19	15	1.56E-05	5.04E-02	1.37E-04	1.15E-08	0.00E+00	1.65E-08	1.65E-08	0.00E+00	1.52E-08	1.52E-08	1.16E-03	7.97E-09	2.27E-07
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	624	2	15	1.94E-06	6.28E-03	1.71E-05	1.43E-09	0.00E+00	2.05E-09	2.05E-09	0.00E+00	1.89E-09	1.89E-09	1.45E-04	9.93E-10	2.82E-08
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	528	2	15	1.64E-06	5.32E-03	1.45E-05	1.21E-09	0.00E+00	1.74E-09	1.74E-09	0.00E+00	1.60E-09	1.60E-09	1.23E-04	8.41E-10	2.39E-08
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	2107.5	8	15	5.29E-06	2.12E-02	5.45E-05	4.60E-09	0.00E+00	5.88E-09	5.88E-09	0.00E+00	5.41E-09	5.41E-09	4.65E-04	3.34E-09	6.09E-08
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	1982	8	15	4.97E-06	1.99E-02	5.13E-05	4.33E-09	0.00E+00	5.53E-09	5.53E-09	0.00E+00	5.08E-09	5.08E-09	4.37E-04	3.14E-09	5.73E-08
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	3677.75	14	15	9.23E-06	3.70E-02	9.52E-05	8.03E-09	0.00E+00	1.03E-08	1.03E-08	0.00E+00	9.43E-09	9.43E-09	8.12E-04	5.82E-09	1.06E-07
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	5008	19	15	1.26E-05	5.04E-02	1.30E-04	1.09E-08	0.00E+00	1.40E-08	1.40E-08	0.00E+00	1.28E-08	1.28E-08	1.11E-03	7.93E-09	1.45E-07
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	1095.5	4	15	2.75E-06	1.10E-02	2.84E-05	2.39E-09	0.00E+00	3.06E-09	3.06E-09	0.00E+00	2.81E-09	2.81E-09	2.42E-04	1.73E-09	3.17E-08
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	2504	10	15	6.28E-06	2.52E-02	6.48E-05	5.47E-09	0.00E+00	6.99E-09	6.99E-09	0.00E+00	6.42E-09	6.42E-09	5.53E-04	3.96E-09	7.24E-08
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	156	1	15	3.91E-07	1.57E-03	4.04E-06	3.41E-10	0.00E+00	4.35E-10	4.35E-10	0.00E+00	4.00E-10	4.00E-10	3.44E-05	2.47E-10	4.51E-09
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	132	1	15	3.31E-07	1.33E-03	3.42E-06	2.88E-10	0.00E+00	3.68E-10	3.68E-10	0.00E+00	3.39E-10	3.39E-10	2.91E-05	2.09E-10	3.82E-09
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	738.25	3	15	1.85E-06	7.43E-03	1.91E-05	1.61E-09	0.00E+00	2.06E-09	2.06E-09	0.00E+00	1.89E-09	1.89E-09	1.63E-04	1.17E-09	2.13E-08
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	342	1	15	8.58E-07	3.44E-03	8.85E-06	7.47E-10	0.00E+00	9.54E-10	9.54E-10	0.00E+00	8.77E-10	8.77E-10	7.55E-05	5.41E-10	9.89E-09
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	1565	6	15	3.44E-06	1.57E-02	4.08E-05	3.37E-09	0.00E+00	4.05E-09	4.05E-09	0.00E+00	3.73E-09	3.73E-09	3.41E-04	2.46E-09	3.82E-08
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	1878	7	15	4.13E-06	1.89E-02	4.90E-05	4.04E-09	0.00E+00	4.87E-09	4.87E-09	0.00E+00	4.47E-09	4.47E-09	4.09E-04	2.95E-09	4.59E-08
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	547.75	2	15	1.21E-06	5.51E-03	1.43E-05	1.18E-09	0.00E+00	1.42E-09	1.42E-09	0.00E+00	1.30E-09	1.30E-09	1.19E-04	8.59E-10	1.34E-08
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	1252	5	15	2.75E-06	1.26E-02	3.27E-05	2.70E-09	0.00E+00	3.24E-09	3.24E-09	0.00E+00	2.98E-09	2.98E-09	2.72E-04	1.96E-09	3.06E-08
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	156	1	15	3.43E-07	1.57E-03	4.07E-06	3.36E-10	0.00E+00	4.04E-10	4.04E-10	0.00E+00	3.72E-10	3.72E-10	3.39E-05	2.45E-10	3.81E-09
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	132	1	15	2.90E-07	1.33E-03	3.44E-06	2.84E-10	0.00E+00	3.42E-10	3.42E-10	0.00E+00	3.14E-10	3.14E-10	2.87E-05	2.07E-10	3.22E-09
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	426.25	2	15	9.38E-07	4.29E-03	1.11E-05	9.18E-10	0.00E+00	1.10E-09	1.10E-09	0.00E+00	1.02E-09	1.02E-09	9.28E-05	6.69E-10	1.04E-08
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	78	0	15	1.72E-07	7.85E-04	2.03E-06	1.68E-10	0.00E+00	2.02E-10	2.02E-10	0.00E+00	1.86E-10	1.86E-10	1.70E-05	1.22E-10	1.90E-09
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	3216.25	12	15	6.49E-06	3.25E-02	8.41E-05	6.93E-09	0.00E+00	8.15E-09	8.15E-09	0.00E+00	7.49E-09	7.49E-09	7.00E-04	5.05E-09	6.58E-08
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	780	3	15	1.57E-06	7.88E-03	2.04E-05	1.68E-09	0.00E+00	1.98E-09	1.98E-09	0.00E+00	1.82E-09	1.82E-09	1.70E-04	1.22E-09	1.60E-08
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	10955	42	15	2.21E-05	1.11E-01	2.86E-04	2.36E-08	0.00E+00	2.78E-08	2.78E-08	0.00E+00	2.55E-08	2.55E-08	2.39E-03	1.72E-08	2.24E-07
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	6162	24	15	1.24E-05	6.23E-02	1.61E-04	1.33E-08	0.00E+00	1.56E-08	1.56E-08	0.00E+00	1.44E-08	1.44E-08	1.34E-03	9.68E-09	1.26E-07
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	3834.25	15	15	7.74E-06	3.87E-02	1.00E-04	8.26E-09	0.00E+00	9.72E-09	9.72E-09	0.00E+00	8.93E-09	8.93E-09	8.35E-04	6.02E-09	7.85E-08
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	8764	34	15	1.77E-05	8.85E-02	2.29E-04	1.89E-08	0.00E+00	2.22E-08	2.22E-08	0.00E+00	2.04E-08	2.04E-08	1.91E-03	1.38E-08	1.79E-07
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	624	2	15	1.26E-06	6.30E-03	1.63E-05	1.34E-09	0.00E+00	1.58E-09	1.58E-09	0.00E+00	1.45E-09	1.45E-09	1.36E-04	9.80E-10	1.28E-08
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	996	4	15	2.01E-06	1.01E-02	2.60E-05	2.15E-09	0.00E+00	2.52E-09	2.52E-09	0.00E+00	2.32E-09	2.32E-09	2.17E-04	1.56E-09	2.04E-08
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	396	2	15	7.99E-07	4.00E-03	1.04E-05	8.53E-10	0.00E+00	1.00E-09	1.00E-09	0.00E+00	9.23E-10	9.23E-10	8.62E-05	6.22E-10	8.11E-09
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	2170	8	15	3.90E-06	2.19E-02	5.63E-05	4.63E-09	0.00E+00	5.20E-09	5.20E-09	0.00E+00	4.78E-09	4.78E-09	4.68E-04	3.38E-09	3.73E-08
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	364	1	15	6.55E-07	3.67E-03	9.45E-06	7.77E-10	0.00E+00	8.73E-10	8.73E-10	0.00E+00	8.02E-10	8.02E-10	7.86E-05	5.67E-10	6.26E-09
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	6260	24	15	1.13E-05	6.30E-02	1.63E-04	1.34E-08	0.00E+00	1.50E-08	1.50E-08	0.00E+00	1.38E-08	1.38E-08	1.35E-03	9.75E-09	1.08E-07
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	7512	29	15	1.35E-05	7.57E-02	1.95E-04	1.60E-08	0.00E+00	1.80E-08	1.80E-08	0.00E+00	1.66E-08	1.66E-08	1.62E-03	1.17E-08	1.29E-07
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	2191	8	15	3.94E-06	2.21E-02	5.69E-05	4.68E-09	0.00E+00	5.25E-09	5.25E-09	0.00E+00	4.83E-09	4.83E-09	4.73E-04	3.41E-09	3.77E-08
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	5008	19	15	9.01E-06	5.04E-02	1.30E-04	1.07E-08	0.00E+00	1.20E-08	1.20E-08	0.00E+00	1.10E-08	1.10E-08	1.08E-03	7.80E-09	8.62E-08
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	624	2	15	1.12E-06	6.28E-03	1.62E-05	1.33E-09	0.00E+00	1.50E-09	1.50E-09	0.00E+00	1.38E-09	1.38E-09	1.35E-04	9.72E-10	1.07E-08
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	528	2	15	9.50E-07	5.32E-03	1.37E-05	1.13E-09	0.00E+00	1.27E-09	1.27E-09	0.00E+00	1.16E-09	1.16E-09	1.14E-04	8.23E-10	9.09E-09

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Haul Idling Emission Factors ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission Factor (g/min)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1085	4	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	208	1	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	7512	29	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	2191	8	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	5008	19	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	0	0	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	624	2	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	528	2	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	2107.5	8	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	1982	8	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	3677.75	14	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	5008	19	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	1095.5	4	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	2504	10	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	156	1	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	132	1	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	738.25	3	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	342	1	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	1565	6	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	1878	7	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	547.75	2	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	1252	5	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	0	0	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	0	0	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	156	1	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	132	1	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	426.25	2	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	78	0	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	3216.25	12	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	780	3	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	10955	42	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	6162	24	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	3834.25	15	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	8764	34	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	0	0	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	624	2	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	996	4	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	396	2	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	2170	8	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	364	1	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	6260	24	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	7512	29	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	2191	8	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	5008	19	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	0	0	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	0	0	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	0	0	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	624	2	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	528	2	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02

							Daily Emissions												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1085	4	15	2.58E-03	3.29E-02	3.97E-02	5.75E-05	0.00E+00	1.59E-05	1.59E-05	0.00E+00	1.52E-05	1.52E-05	6.33E+00	2.27E-04	3.04E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	208	1	15	4.95E-04	6.31E-03	7.61E-03	1.10E-05	0.00E+00	3.05E-06	3.05E-06	0.00E+00	2.92E-06	2.92E-06	1.21E+00	4.35E-05	5.84E-04
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	15	1.49E-02	1.90E-01	2.29E-01	3.32E-04	0.00E+00	9.19E-05	9.19E-05	0.00E+00	8.79E-05	8.79E-05	3.66E+01	1.31E-03	1.76E-02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	7512	29	15	1.79E-02	2.28E-01	2.75E-01	3.98E-04	0.00E+00	1.10E-04	1.10E-04	0.00E+00	1.06E-04	1.06E-04	4.39E+01	1.57E-03	2.11E-02
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	2191	8	15	5.21E-03	6.64E-02	8.02E-02	1.16E-04	0.00E+00	3.22E-05	3.22E-05	0.00E+00	3.08E-05	3.08E-05	1.28E+01	4.58E-04	6.15E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	5008	19	15	1.19E-02	1.52E-01	1.83E-01	2.65E-04	0.00E+00	7.35E-05	7.35E-05	0.00E+00	7.04E-05	7.04E-05	2.92E+01	1.05E-03	1.41E-02
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	624	2	15	1.48E-03	1.89E-02	2.28E-02	3.31E-05	0.00E+00	9.16E-06	9.16E-06	0.00E+00	8.77E-06	8.77E-06	3.64E+00	1.30E-04	1.75E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	528	2	15	1.26E-03	1.60E-02	1.93E-02	2.80E-05	0.00E+00	7.75E-06	7.75E-06	0.00E+00	7.42E-06	7.42E-06	3.08E+00	1.10E-04	1.48E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	2107.5	8	15	5.00E-03	6.37E-02	7.72E-02	1.10E-04	0.00E+00	2.99E-05	2.99E-05	0.00E+00	2.86E-05	2.86E-05	1.21E+01	4.45E-04	5.91E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	1982	8	15	4.71E-03	6.00E-02	7.26E-02	1.03E-04	0.00E+00	2.81E-05	2.81E-05	0.00E+00	2.69E-05	2.69E-05	1.14E+01	4.18E-04	5.56E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	3677.75	14	15	8.73E-03	1.11E-01	1.35E-01	1.91E-04	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.99E-05	4.99E-05	2.11E+01	7.76E-04	1.03E-02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	5008	19	15	1.19E-02	1.51E-01	1.83E-01	2.61E-04	0.00E+00	7.11E-05	7.11E-05	0.00E+00	6.80E-05	6.80E-05	2.88E+01	1.06E-03	1.40E-02
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	1095.5	4	15	2.60E-03	3.31E-02	4.01E-02	5.70E-05	0.00E+00	1.55E-05	1.55E-05	0.00E+00	1.49E-05	1.49E-05	6.29E+00	2.31E-04	3.07E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	2504	10	15	5.95E-03	7.57E-02	9.17E-02	1.30E-04	0.00E+00	3.55E-05	3.55E-05	0.00E+00	3.40E-05	3.40E-05	1.44E+01	5.28E-04	7.02E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	156	1	15	3.70E-04	4.72E-03	5.71E-03	8.12E-06	0.00E+00	2.21E-06	2.21E-06	0.00E+00	2.12E-06	2.12E-06	8.96E-01	3.29E-05	4.37E-04
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	132	1	15	3.13E-04	3.99E-03	4.83E-03	6.87E-06	0.00E+00	1.87E-06	1.87E-06	0.00E+00	1.79E-06	1.79E-06	7.58E-01	2.78E-05	3.70E-04
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	738.25	3	15	1.75E-03	2.23E-02	2.70E-02	3.84E-05	0.00E+00	1.05E-05	1.05E-05	0.00E+00	1.00E-05	1.00E-05	4.24E+00	1.56E-04	2.07E-03
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	342	1	15	8.12E-04	1.03E-02	1.25E-02	1.78E-05	0.00E+00	4.85E-06	4.85E-06	0.00E+00	4.64E-06	4.64E-06	1.96E+00	7.22E-05	9.59E-04
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	1565	6	15	3.71E-03	4.72E-02	5.74E-02	7.99E-05	0.00E+00	2.15E-05	2.15E-05	0.00E+00	2.06E-05	2.06E-05	8.84E+00	3.33E-04	4.39E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	1878	7	15	4.45E-03	5.67E-02	6.88E-02	9.59E-05	0.00E+00	2.58E-05	2.58E-05	0.00E+00	2.47E-05	2.47E-05	1.06E+01	4.00E-04	5.26E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	547.75	2	15	1.30E-03	1.65E-02	2.01E-02	2.80E-05	0.00E+00	7.53E-06	7.53E-06	0.00E+00	7.21E-06	7.21E-06	3.09E+00	1.17E-04	1.54E-03
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	1252	5	15	2.97E-03	3.78E-02	4.59E-02	6.39E-05	0.00E+00	1.72E-05	1.72E-05	0.00E+00	1.65E-05	1.65E-05	7.07E+00	2.66E-04	3.51E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	156	1	15	3.70E-04	4.71E-03	5.72E-03	7.97E-06	0.00E+00	2.15E-06	2.15E-06	0.00E+00	2.05E-06	2.05E-06	8.81E-01	3.32E-05	4.37E-04
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	132	1	15	3.13E-04	3.98E-03	4.84E-03	6.74E-06	0.00E+00	1.82E-06	1.82E-06	0.00E+00	1.74E-06	1.74E-06	7.45E-01	2.81E-05	3.70E-04
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	426.25	2	15	1.01E-03	1.29E-02	1.56E-02	2.18E-05	0.00E+00	5.86E-06	5.86E-06	0.00E+00	5.61E-06	5.61E-06	2.41E+00	9.07E-05	1.19E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	78	0	15	1.85E-04	2.35E-03	2.86E-03	3.98E-06	0.00E+00	1.07E-06	1.07E-06	0.00E+00	1.03E-06	1.03E-06	4.40E-01	1.66E-05	2.19E-04
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	3216.25	12	15	7.65E-03	9.73E-02	1.18E-01	1.62E-04	0.00E+00	4.32E-05	4.32E-05	0.00E+00	4.14E-05	4.14E-05	1.79E+01	6.94E-04	9.04E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	780	3	15	1.85E-03	2.36E-02	2.87E-02	3.92E-05	0.00E+00	1.05E-05	1.05E-05	0.00E+00	1.00E-05	1.00E-05	4.34E+00	1.68E-04	2.19E-03
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	10955	42	15	2.60E-02	3.31E-01	4.03E-01	5.51E-04	0.00E+00	1.47E-04	1.47E-04	0.00E+00	1.41E-04	1.41E-04	6.10E+01	2.36E-03	3.08E-02
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	6162	24	15	1.46E-02	1.86E-01	2.27E-01	3.10E-04	0.00E+00	8.28E-05	8.28E-05	0.00E+00	7.92E-05	7.92E-05	3.43E+01	1.33E-03	1.73E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	3834.25	15	15	9.11E-03	1.16E-01	1.41E-01	1.93E-04	0.00E+00	5.15E-05	5.15E-05	0.00E+00	4.93E-05	4.93E-05	2.13E+01	8.27E-04	1.08E-02
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	8764	34	15	2.08E-02	2.65E-01	3.23E-01	4.41E-04	0.00E+00	1.18E-04	1.18E-04	0.00E+00	1.13E-04	1.13E-04	4.88E+01	1.89E-03	2.46E-02
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	624	2	15	1.48E-03	1.89E-02	2.30E-02	3.14E-05	0.00E+00	8.39E-06	8.39E-06	0.00E+00	8.02E-06	8.02E-06	3.47E+00	1.35E-04	1.75E-03
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	996	4	15	2.37E-03	3.01E-02	3.67E-02	5.01E-05	0.00E+00	1.34E-05	1.34E-05	0.00E+00	1.28E-05	1.28E-05	5.54E+00	2.15E-04	2.80E-03
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	396	2	15	9.41E-04	1.20E-02	1.46E-02	1.99E-05	0.00E+00	5.32E-06	5.32E-06	0.00E+00	5.09E-06	5.09E-06	2.20E+00	8.54E-05	1.11E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	2170	8	15	5.13E-03	6.53E-02	7.97E-02	1.07E-04	0.00E+00	2.83E-05	2.83E-05	0.00E+00	2.70E-05	2.70E-05	1.18E+01	4.71E-04	6.08E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	364	1	15	8.61E-04	1.09E-02	1.34E-02	1.79E-05	0.00E+00	4.74E-06	4.74E-06	0.00E+00	4.54E-06	4.54E-06	1.98E+00	7.90E-05	1.02E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	6260	24	15	1.48E-02	1.88E-01	2.30E-01	3.07E-04	0.00E+00	8.15E-05	8.15E-05	0.00E+00	7.80E-05	7.80E-05	3.41E+01	1.36E-03	1.75E-02
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	7512	29	15	1.78E-02	2.26E-01	2.76E-01	3.69E-04	0.00E+00	9.79E-05	9.79E-05	0.00E+00	9.36E-05	9.36E-05	4.09E+01	1.63E-03	2.10E-02
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	2191	8	15	5.18E-03	6.59E-02	8.04E-02	1.08E-04	0.00E+00	2.85E-05	2.85E-05	0.00E+00	2.73E-05	2.73E-05	1.19E+01	4.75E-04	6.13E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	5008	19	15	1.18E-02	1.51E-01	1.84E-01	2.46E-04	0.00E+00	6.52E-05	6.52E-05	0.00E+00	6.24E-05	6.24E-05	2.73E+01	1.09E-03	1.40E-02
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	624	2	15	1.48E-03	1.88E-02	2.29E-02	3.06E-05	0.00E+00	8.13E-06	8.13E-06	0.00E+00	7.78E-06	7.78E-06	3.40E+00	1.35E-04	1.75E-03
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	528	2	15	1.25E-03	1.59E-02	1.94E-02	2.59E-05	0.00E+00	6.88E-06	6.88E-06	0.00E+00	6.58E-06	6.58E-06	2.87E+00	1.15E-04	1.48E-03

							Haul Running Emission Factors												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission Factor (g/mile)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1085	4	0.5	1.85E-02	2.46E+00	1.99E-01	1.19E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	208	1	0.5	1.85E-02	2.46E+00	1.99E-01	1.19E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	0.5	1.85E-02	2.46E+00	1.99E-01	1.19E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	7512	29	0.5	1.85E-02	2.46E+00	1.99E-01	1.19E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	2191	8	0.5	1.85E-02	2.46E+00	1.99E-01	1.19E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	5008	19	0.5	1.85E-02	2.46E+00	1.99E-01	1.19E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	0	0	0.5	1.85E-02	2.46E+00	1.99E-01	1.19E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	0.5	1.85E-02	2.46E+00	1.99E-01	1.19E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	0.5	1.85E-02	2.46E+00	1.99E-01	1.19E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	624	2	0.5	1.85E-02	2.46E+00	1.99E-01	1.19E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	528	2	0.5	1.85E-02	2.46E+00	1.99E-01	1.19E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.26E+03	8.61E-04	1.99E-01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	2107.5	8	0.5	1.85E-02	2.46E+00	1.99E-01	1.17E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	1982	8	0.5	1.85E-02	2.46E+00	1.99E-01	1.17E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	3677.75	14	0.5	1.85E-02	2.46E+00	1.99E-01	1.17E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	5008	19	0.5	1.85E-02	2.46E+00	1.99E-01	1.17E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	1095.5	4	0.5	1.85E-02	2.46E+00	1.99E-01	1.17E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	2504	10	0.5	1.85E-02	2.46E+00	1.99E-01	1.17E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	156	1	0.5	1.85E-02	2.46E+00	1.99E-01	1.17E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	132	1	0.5	1.85E-02	2.46E+00	1.99E-01	1.17E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	0.5	1.85E-02	2.46E+00	1.99E-01	1.17E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	738.25	3	0.5	1.85E-02	2.46E+00	1.99E-01	1.17E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	342	1	0.5	1.85E-02	2.46E+00	1.99E-01	1.17E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.24E+03	8.61E-04	1.95E-01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	1565	6	0.5	1.85E-02	2.46E+00	1.99E-01	1.15E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	1878	7	0.5	1.85E-02	2.46E+00	1.99E-01	1.15E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	547.75	2	0.5	1.85E-02	2.46E+00	1.99E-01	1.15E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	1252	5	0.5	1.85E-02	2.46E+00	1.99E-01	1.15E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	0	0	0.5	1.85E-02	2.46E+00	1.99E-01	1.15E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	0	0	0.5	1.85E-02	2.46E+00	1.99E-01	1.15E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	156	1	0.5	1.85E-02	2.46E+00	1.99E-01	1.15E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	132	1	0.5	1.85E-02	2.46E+00	1.99E-01	1.15E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	0.5	1.85E-02	2.46E+00	1.99E-01	1.15E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	426.25	2	0.5	1.85E-02	2.46E+00	1.99E-01	1.15E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	78	0	0.5	1.85E-02	2.46E+00	1.99E-01	1.15E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.22E+03	8.61E-04	1.91E-01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	3216.25	12	0.5	1.85E-02	2.46E+00	1.99E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	780	3	0.5	1.85E-02	2.46E+00	1.99E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	10955	42	0.5	1.85E-02	2.46E+00	1.99E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	6162	24	0.5	1.85E-02	2.46E+00	1.99E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	3834.25	15	0.5	1.85E-02	2.46E+00	1.99E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	8764	34	0.5	1.85E-02	2.46E+00	1.99E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	0	0	0.5	1.85E-02	2.46E+00	1.99E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	0.5	1.85E-02	2.46E+00	1.99E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	624	2	0.5	1.85E-02	2.46E+00	1.99E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	996	4	0.5	1.85E-02	2.46E+00	1.99E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	396	2	0.5	1.85E-02	2.46E+00	1.99E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.19E+03	8.60E-04	1.87E-01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	2170	8	0.5	1.85E-02	2.46E+00	1.99E-01	1.10E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	364	1	0.5	1.85E-02	2.46E+00	1.99E-01	1.10E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	6260	24	0.5	1.85E-02	2.46E+00	1.99E-01	1.10E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	7512	29	0.5	1.85E-02	2.46E+00	1.99E-01	1.10E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	2191	8	0.5	1.85E-02	2.46E+00	1.99E-01	1.10E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	5008	19	0.5	1.85E-02	2.46E+00	1.99E-01	1.10E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	0	0	0.5	1.85E-02	2.46E+00	1.99E-01	1.10E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	0	0	0.5	1.85E-02	2.46E+00	1.99E-01	1.10E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	0	0	0.5	1.85E-02	2.46E+00	1.99E-01	1.10E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	624	2	0.5	1.85E-02	2.46E+00	1.99E-01	1.10E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	528	2	0.5	1.85E-02	2.46E+00	1.99E-01	1.10E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.17E+03	8.59E-04	1.83E-01

							Daily Emissions													
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1085	4	0.5	8.49E-05	1.13E-02	9.10E-04	5.47E-05	8.66E-01	9.32E-05	8.66E-01	8.64E-02	8.92E-05	8.65E-02	5.79E+00	3.94E-06	9.11E-04
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	208	1	0.5	1.63E-05	2.16E-03	1.74E-04	1.05E-05	1.66E-01	1.79E-05	1.66E-01	1.66E-02	1.71E-05	1.66E-02	1.11E+00	7.56E-07	1.75E-04
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	0.5	4.90E-04	6.51E-02	5.25E-03	3.16E-04	4.99E+00	5.38E-04	4.99E+00	4.99E-01	5.14E-04	4.99E-01	3.34E+01	2.28E-05	5.25E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	7512	29	0.5	5.88E-04	7.82E-02	6.30E-03	3.79E-04	5.99E+00	6.45E-04	5.99E+00	5.98E-01	6.17E-04	5.99E-01	4.01E+01	2.73E-05	6.30E-03
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	2191	8	0.5	1.71E-04	2.28E-02	1.84E-03	1.11E-04	1.75E+00	1.88E-04	1.75E+00	1.74E-01	1.80E-04	1.75E-01	1.17E+01	7.96E-06	1.84E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	5008	19	0.5	3.92E-04	5.21E-02	4.20E-03	2.53E-04	4.00E+00	4.30E-04	4.00E+00	3.99E-01	4.12E-04	3.99E-01	2.67E+01	1.82E-05	4.20E-03
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	624	2	0.5	4.88E-05	6.49E-03	5.23E-04	3.15E-05	4.98E-01	5.36E-05	4.98E-01	4.97E-02	5.13E-05	4.97E-02	3.33E+00	2.27E-06	5.24E-04
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	528	2	0.5	4.13E-05	5.49E-03	4.43E-04	2.66E-05	4.21E-01	4.54E-05	4.21E-01	4.21E-02	4.34E-05	4.21E-02	2.82E+00	1.92E-06	4.43E-04
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	2107.5	8	0.5	1.65E-04	2.19E-02	1.77E-03	1.04E-04	1.68E+00	1.81E-04	1.68E+00	1.68E-01	1.73E-04	1.68E-01	1.10E+01	7.67E-06	1.74E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	1982	8	0.5	1.55E-04	2.06E-02	1.67E-03	9.81E-05	1.58E+00	1.70E-04	1.58E+00	1.58E-01	1.63E-04	1.58E-01	1.04E+01	7.21E-06	1.63E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	3677.75	14	0.5	2.88E-04	3.82E-02	3.09E-03	1.82E-04	2.93E+00	3.15E-04	2.93E+00	2.93E-01	3.02E-04	2.93E-01	1.93E+01	1.34E-05	3.03E-03
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	5008	19	0.5	3.92E-04	5.21E-02	4.21E-03	2.48E-04	4.00E+00	4.29E-04	4.00E+00	3.99E-01	4.11E-04	3.99E-01	2.62E+01	1.82E-05	4.12E-03
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	1095.5	4	0.5	8.58E-05	1.14E-02	9.21E-04	5.42E-05	8.74E-01	9.39E-05	8.74E-01	8.72E-02	8.99E-05	8.73E-02	5.74E+00	3.99E-06	9.02E-04
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	2504	10	0.5	1.96E-04	2.60E-02	2.10E-03	1.24E-04	2.00E+00	2.15E-04	2.00E+00	1.99E-01	2.05E-04	2.00E-01	1.31E+01	9.11E-06	2.06E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	156	1	0.5	1.22E-05	1.62E-03	1.31E-04	7.72E-06	1.24E-01	1.34E-05	1.24E-01	1.24E-02	1.28E-05	1.24E-02	8.17E-01	5.67E-07	1.28E-04
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	132	1	0.5	1.03E-05	1.37E-03	1.11E-04	6.53E-06	1.05E-01	1.13E-05	1.05E-01	1.05E-02	1.08E-05	1.05E-02	6.92E-01	4.80E-07	1.09E-04
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	738.25	3	0.5	5.78E-05	7.68E-03	6.21E-04	3.65E-05	5.89E-01	6.33E-05	5.89E-01	5.88E-02	6.06E-05	5.89E-02	3.87E+00	2.69E-06	6.08E-04
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	342	1	0.5	2.68E-05	3.56E-03	2.87E-04	1.69E-05	2.73E-01	2.93E-05	2.73E-01	2.72E-02	2.81E-05	2.73E-02	1.79E+00	1.24E-06	2.82E-04
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	1565	6	0.5	1.23E-04	1.63E-02	1.32E-03	7.59E-05	1.25E+00	1.34E-04	1.25E+00	1.25E-01	1.28E-04	1.25E-01	8.03E+00	5.69E-06	1.26E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	1878	7	0.5	1.47E-04	1.95E-02	1.58E-03	9.11E-05	1.50E+00	1.60E-04	1.50E+00	1.50E-01	1.53E-04	1.50E-01	9.64E+00	6.83E-06	1.52E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	547.75	2	0.5	4.29E-05	5.69E-03	4.61E-04	2.66E-05	4.37E-01	4.68E-05	4.37E-01	4.36E-02	4.48E-05	4.37E-02	2.81E+00	1.99E-06	4.42E-04
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	1252	5	0.5	9.80E-05	1.30E-02	1.05E-03	6.07E-05	9.99E-01	1.07E-04	9.99E-01	9.97E-02	1.02E-04	9.98E-02	6.43E+00	4.55E-06	1.01E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	156	1	0.5	1.22E-05	1.62E-03	1.31E-04	7.57E-06	1.24E-01	1.33E-05	1.24E-01	1.24E-02	1.27E-05	1.24E-02	8.01E-01	5.67E-07	1.26E-04
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	132	1	0.5	1.03E-05	1.37E-03	1.11E-04	6.40E-06	1.05E-01	1.13E-05	1.05E-01	1.05E-02	1.08E-05	1.05E-02	6.78E-01	4.80E-07	1.07E-04
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	426.25	2	0.5	3.34E-05	4.43E-03	3.59E-04	2.07E-05	3.40E-01	3.64E-05	3.40E-01	3.39E-02	3.48E-05	3.40E-02	2.19E+00	1.55E-06	3.44E-04
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	78	0	0.5	6.11E-06	8.11E-04	6.56E-05	3.78E-06	6.22E-02	6.66E-06	6.22E-02	6.21E-03	6.37E-06	6.22E-03	4.00E-01	2.84E-07	6.29E-05
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	3216.25	12	0.5	2.53E-04	3.36E-02	2.72E-03	1.53E-04	2.58E+00	2.74E-04	2.58E+00	2.57E-01	2.63E-04	2.57E-01	1.62E+01	1.17E-05	2.55E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	780	3	0.5	6.12E-05	8.14E-03	6.59E-04	3.72E-05	6.25E-01	6.66E-05	6.25E-01	6.24E-02	6.37E-05	6.24E-02	3.94E+00	2.84E-06	6.19E-04
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	10955	42	0.5	8.60E-04	1.14E-01	9.26E-03	5.22E-04	8.77E+00	9.35E-04	8.77E+00	8.76E-01	8.94E-04	8.77E-01	5.53E+01	4.00E-05	8.69E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	6162	24	0.5	4.84E-04	6.43E-02	5.21E-03	2.94E-04	4.93E+00	5.26E-04	4.94E+00	4.93E-01	5.03E-04	4.93E-01	3.11E+01	2.25E-05	4.89E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	3834.25	15	0.5	3.01E-04	4.00E-02	3.24E-03	1.83E-04	3.07E+00	3.27E-04	3.07E+00	3.07E-01	3.13E-04	3.07E-01	1.94E+01	1.40E-05	3.04E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	8764	34	0.5	6.88E-04	9.14E-02	7.41E-03	4.18E-04	7.02E+00	7.48E-04	7.02E+00	7.01E-01	7.15E-04	7.01E-01	4.42E+01	3.20E-05	6.95E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	624	2	0.5	4.90E-05	6.51E-03	5.27E-04	2.98E-05	5.00E-01	5.32E-05	5.00E-01	4.99E-02	5.09E-05	4.99E-02	3.15E+00	2.28E-06	4.95E-04
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	996	4	0.5	7.82E-05	1.04E-02	8.42E-04	4.75E-05	7.98E-01	8.50E-05	7.98E-01	7.96E-02	8.13E-05	7.97E-02	5.03E+00	3.63E-06	7.90E-04
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	396	2	0.5	3.11E-05	4.13E-03	3.35E-04	1.89E-05	3.17E-01	3.38E-05	3.17E-01	3.17E-02	3.23E-05	3.17E-02	2.00E+00	1.44E-06	3.14E-04
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	2170	8	0.5	1.69E-04	2.26E-02	1.83E-03	1.01E-04	1.73E+00	1.83E-04	1.73E+00	1.73E-01	1.75E-04	1.73E-01	1.07E+01	7.87E-06	1.68E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	364	1	0.5	2.84E-05	3.78E-03	3.06E-04	1.69E-05	2.90E-01	3.07E-05	2.90E-01	2.90E-02	2.94E-05	2.90E-02	1.79E+00	1.32E-06	2.82E-04
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	6260	24	0.5	4.89E-04	6.51E-02	5.27E-03	2.91E-04	4.99E+00	5.29E-04	4.99E+00	4.99E-01	5.06E-04	4.99E-01	3.08E+01	2.27E-05	4.85E-03
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	7512	29	0.5	5.86E-04	7.81E-02	6.32E-03	3.50E-04	5.99E+00	6.35E-04	5.99E+00	5.98E-01	6.07E-04	5.99E-01	3.70E+01	2.72E-05	5.82E-03
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	2191	8	0.5	1.71E-04	2.28E-02	1.84E-03	1.02E-04	1.75E+00	1.85E-04	1.75E+00	1.74E-01	1.77E-04	1.75E-01	1.08E+01	7.95E-06	1.70E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	5008	19	0.5	3.91E-04	5.21E-02	4.21E-03	2.33E-04	4.00E+00	4.23E-04	4.00E+00	3.99E-01	4.05E-04	3.99E-01	2.47E+01	1.82E-05	3.88E-03
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	624	2	0.5	4.87E-05	6.49E-03	5.25E-04	2.90E-05	4.98E-01	5.27E-05	4.98E-01	4.97E-02	5.04E-05	4.97E-02	3.07E+00	2.26E-06	4.83E-04
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	528	2	0.5	4.12E-05	5.49E-03	4.44E-04	2.46E-05	4.21E-01	4.46E-05	4.21E-01	4.21E-02	4.27E-05	4.21E-02	2.60E+00	1.91E-06	4.09E-04

						Vendor Starting/Evaporative Emission Factors												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission Factor (g/trip)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	7	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	4	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	2	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	15	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	6	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	7	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	6	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	0	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	4	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	6	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9.75	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2.5	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	16.25	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2.5	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	9.25	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	4.5	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	4.5	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	4.5	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4.25	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	3.5	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	6.25	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	0.5	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	3.75	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	1.5	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	1.75	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	1.5	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	1	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	1.5	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	2.25	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	0.5	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	16.25	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	4.5	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	43.75	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	7.5	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	26.25	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	10.5	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	12.25	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	10.5	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	4	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	9	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	4.5	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	4	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	2	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	15	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	6	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	7	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	6	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	4	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	6	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name		Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)											
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025		2025	7	0.5	15	6.74E-04	1.55E-02	4.12E-03	3.92E-07	0.00E+00	4.25E-07	4.25E-07	0.00E+00	3.91E-07	3.91E-07	3.97E-02	3.81E-05	3.15E-05
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025		2025	4	0.5	15	3.85E-04	8.88E-03	2.35E-03	2.24E-07	0.00E+00	2.43E-07	2.43E-07	0.00E+00	2.23E-07	2.23E-07	2.27E-02	2.18E-05	1.80E-05
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025		2025	25	0.5	15	2.41E-03	5.55E-02	1.47E-02	1.40E-06	0.00E+00	1.52E-06	1.52E-06	0.00E+00	1.39E-06	1.39E-06	1.42E-01	1.36E-04	1.12E-04
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025		2025	2	0.5	15	1.93E-04	4.44E-03	1.18E-03	1.12E-07	0.00E+00	1.21E-07	1.21E-07	0.00E+00	1.12E-07	1.12E-07	1.13E-02	1.09E-05	8.99E-06
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025		2025	15	0.5	15	1.44E-03	3.33E-02	8.83E-03	8.41E-07	0.00E+00	9.10E-07	9.10E-07	0.00E+00	8.37E-07	8.37E-07	8.50E-02	8.16E-05	6.74E-05
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025		2025	6	0.5	15	5.78E-04	1.33E-02	3.53E-03	3.36E-07	0.00E+00	3.64E-07	3.64E-07	0.00E+00	3.35E-07	3.35E-07	3.40E-02	3.26E-05	2.70E-05
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025		2025	7	0.5	15	6.74E-04	1.55E-02	4.12E-03	3.92E-07	0.00E+00	4.25E-07	4.25E-07	0.00E+00	3.91E-07	3.91E-07	3.97E-02	3.81E-05	3.15E-05
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025		2025	6	0.5	15	5.78E-04	1.33E-02	3.53E-03	3.36E-07	0.00E+00	3.64E-07	3.64E-07	0.00E+00	3.35E-07	3.35E-07	3.40E-02	3.26E-05	2.70E-05
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025		2025	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025		2025	4	0.5	15	3.85E-04	8.88E-03	2.35E-03	2.24E-07	0.00E+00	2.43E-07	2.43E-07	0.00E+00	2.23E-07	2.23E-07	2.27E-02	2.18E-05	1.80E-05
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025		2025	6	0.5	15	5.78E-04	1.33E-02	3.53E-03	3.36E-07	0.00E+00	3.64E-07	3.64E-07	0.00E+00	3.35E-07	3.35E-07	3.40E-02	3.26E-05	2.70E-05
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026		2026	9.75	0.5	15	8.87E-04	2.17E-02	5.40E-03	5.25E-07	0.00E+00	5.75E-07	5.75E-07	0.00E+00	5.29E-07	5.29E-07	5.31E-02	5.07E-05	4.28E-05
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026		2026	2.5	0.5	15	2.27E-04	5.56E-03	1.39E-03	1.35E-07	0.00E+00	1.47E-07	1.47E-07	0.00E+00	1.36E-07	1.36E-07	1.36E-02	1.30E-05	1.10E-05
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026		2026	16.25	0.5	15	1.48E-03	3.62E-02	9.01E-03	8.75E-07	0.00E+00	9.59E-07	9.59E-07	0.00E+00	8.81E-07	8.81E-07	8.85E-02	8.45E-05	7.13E-05
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026		2026	2.5	0.5	15	2.27E-04	5.56E-03	1.39E-03	1.35E-07	0.00E+00	1.47E-07	1.47E-07	0.00E+00	1.36E-07	1.36E-07	1.36E-02	1.30E-05	1.10E-05
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026		2026	9.25	0.5	15	8.41E-04	2.06E-02	5.13E-03	4.98E-07	0.00E+00	5.46E-07	5.46E-07	0.00E+00	5.02E-07	5.02E-07	5.04E-02	4.81E-05	4.06E-05
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026		2026	4.5	0.5	15	4.09E-04	1.00E-02	2.49E-03	2.42E-07	0.00E+00	2.65E-07	2.65E-07	0.00E+00	2.44E-07	2.44E-07	2.45E-02	2.34E-05	1.98E-05
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026		2026	4.5	0.5	15	4.09E-04	1.00E-02	2.49E-03	2.42E-07	0.00E+00	2.65E-07	2.65E-07	0.00E+00	2.44E-07	2.44E-07	2.45E-02	2.34E-05	1.98E-05
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026		2026	4.5	0.5	15	4.09E-04	1.00E-02	2.49E-03	2.42E-07	0.00E+00	2.65E-07	2.65E-07	0.00E+00	2.44E-07	2.44E-07	2.45E-02	2.34E-05	1.98E-05
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026		2026	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026		2026	4.25	0.5	15	3.87E-04	9.46E-03	2.36E-03	2.29E-07	0.00E+00	2.51E-07	2.51E-07	0.00E+00	2.30E-07	2.30E-07	2.31E-02	2.21E-05	1.87E-05
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026		2026	3.5	0.5	15	3.18E-04	7.79E-03	1.94E-03	1.89E-07	0.00E+00	2.06E-07	2.06E-07	0.00E+00	1.90E-07	1.90E-07	1.91E-02	1.82E-05	1.54E-05
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027		2027	6.25	0.5	15	5.39E-04	1.39E-02	3.28E-03	3.24E-07	0.00E+00	3.60E-07	3.60E-07	0.00E+00	3.31E-07	3.31E-07	3.27E-02	3.11E-05	2.68E-05
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027		2027	0.5	0.5	15	4.31E-05	1.12E-03	2.62E-04	2.59E-08	0.00E+00	2.88E-08	2.88E-08	0.00E+00	2.65E-08	2.65E-08	2.62E-03	2.49E-06	2.15E-06
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027		2027	3.75	0.5	15	3.24E-04	8.37E-03	1.97E-03	1.94E-07	0.00E+00	2.16E-07	2.16E-07	0.00E+00	1.98E-07	1.98E-07	1.96E-02	1.87E-05	1.61E-05
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027		2027	1.5	0.5	15	1.29E-04	3.35E-03	7.86E-04	7.77E-08	0.00E+00	8.63E-08	8.63E-08	0.00E+00	7.94E-08	7.94E-08	7.85E-03	7.47E-06	6.44E-06
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027		2027	1.75	0.5	15	1.51E-04	3.91E-03	9.17E-04	9.06E-08	0.00E+00	1.01E-07	1.01E-07	0.00E+00	9.26E-08	9.26E-08	9.16E-03	8.72E-06	7.52E-06
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027		2027	1.5	0.5	15	1.29E-04	3.35E-03	7.86E-04	7.77E-08	0.00E+00	8.63E-08	8.63E-08	0.00E+00	7.94E-08	7.94E-08	7.85E-03	7.47E-06	6.44E-06
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027		2027	1	0.5	15	8.63E-05	2.23E-03	5.24E-04	5.18E-08	0.00E+00	5.76E-08	5.76E-08	0.00E+00	5.29E-08	5.29E-08	5.23E-03	4.98E-06	4.30E-06
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027		2027	1.5	0.5	15	1.29E-04	3.35E-03	7.86E-04	7.77E-08	0.00E+00	8.63E-08	8.63E-08	0.00E+00	7.94E-08	7.94E-08	7.85E-03	7.47E-06	6.44E-06
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027		2027	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027		2027	2.25	0.5	15	1.94E-04	5.02E-03	1.18E-03	1.17E-07	0.00E+00	1.30E-07	1.30E-07	0.00E+00	1.19E-07	1.19E-07	1.18E-02	1.12E-05	9.66E-06
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027		2027	0.5	0.5	15	4.31E-05	1.12E-03	2.62E-04	2.59E-08	0.00E+00	2.88E-08	2.88E-08	0.00E+00	2.65E-08	2.65E-08	2.62E-03	2.49E-06	2.15E-06
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028		2028	16.25	0.5	15	1.34E-03	3.63E-02	8.12E-03	8.13E-07	0.00E+00	9.20E-07	9.20E-07	0.00E+00	8.46E-07	8.46E-07	8.22E-02	7.82E-05	6.87E-05
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028		2028	4.5	0.5	15	3.71E-04	1.01E-02	2.25E-03	2.25E-07	0.00E+00	2.55E-07	2.55E-07	0.00E+00	2.34E-07	2.34E-07	2.28E-02	2.17E-05	1.90E-05
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028		2028	43.75	0.5	15	3.60E-03	9.79E-02	2.19E-02	2.19E-06	0.00E+00	2.48E-06	2.48E-06	0.00E+00	2.28E-06	2.28E-06	2.21E-01	2.10E-04	1.85E-04
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028		2028	7.5	0.5	15	6.18E-04	1.68E-02	3.75E-03	3.75E-07	0.00E+00	4.25E-07	4.25E-07	0.00E+00	3.91E-07	3.91E-07	3.79E-02	3.61E-05	3.17E-05
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028		2028	26.25	0.5	15	2.16E-03	5.87E-02	1.31E-02	1.31E-06	0.00E+00	1.49E-06	1.49E-06	0.00E+00	1.37E-06	1.37E-06	1.33E-01	1.26E-04	1.11E-04
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028		2028	10.5	0.5	15	8.65E-04	2.35E-02	5.24E-03	5.26E-07	0.00E+00	5.95E-07	5.95E-07	0.00E+00	5.47E-07	5.47E-07	5.31E-02	5.05E-05	4.44E-05
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028		2028	12.25	0.5	15	1.01E-03	2.74E-02	6.12E-03	6.13E-07	0.00E+00	6.94E-07	6.94E-07	0.00E+00	6.38E-07	6.38E-07	6.20E-02	5.89E-05	5.18E-05
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028		2028	10.5	0.5	15	8.65E-04	2.35E-02	5.24E-03	5.26E-07	0.00E+00	5.95E-07	5.95E-07	0.00E+00	5.47E-07	5.47E-07	5.31E-02	5.05E-05	4.44E-05
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028		2028	4	0.5	15	3.30E-04	8.95E-03	2.00E-03	2.00E-07	0.00E+00	2.27E-07	2.27E-07	0.00E+00	2.08E-07	2.08E-07	2.02E-02	1.92E-05	1.69E-05
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028		2028	9	0.5	15	7.42E-04	2.01E-02	4.50E-03	4.50E-07	0.00E+00	5.10E-07	5.10E-07	0.00E+00	4.69E-07	4.69E-07	4.55E-02	4.33E-05	3.81E-05
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028		2028	4.5	0.5	15	3.71E-04	1.01E-02	2.25E-03	2.25E-07	0.00E+00	2.55E-07	2.55E-07	0.00E+00	2.34E-07	2.34E-07	2.28E-02	2.17E-05	1.90E-05
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029		2029	10	0.5	15	7.88E-04	2.24E-02	4.77E-03	4.85E-07	0.00E+00	5.59E-07	5.59E-07	0.00E+00	5.14E-07	5.14E-07	4.90E-02	4.66E-05	4.17E-05
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029		2029	4	0.5	15	3.15E-04	8.97E-03	1.91E-03	1.94E-07	0.00E+00	2.23E-07	2.23E-07	0.00E+00	2.05E-07	2.05E-07	1.96E-02	1.87E-05	1.67E-05
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029		2029	25	0.5	15	1.97E-03	5.61E-02	1.19E-02	1.21E-06	0.00E+00	1.40E-06	1.40E-06	0.00E+00	1.28E-06	1.28E-06	1.22E-01	1.17E-04	1.04E-04
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029		2029	2	0.5	15	1.58E-04	4.48E-03	9.55E-04	9.70E-08	0.00E+00	1.12E-07	1.12E-07	0.00E+00	1.03E-07	1.03E-07	9.80E-03	9.33E-06	8.35E-06
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029		2029	15	0.5	15	1.18E-03	3.36E-02	7.16E-03	7.27E-07	0.00E+00	8.38E-07	8.38E-07	0.00E+00	7.71E-07	7.71E-07	7.35E-02	6.99E-05	6.26E-05
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029		2029	6	0.5	15	4.73E-04	1.35E-02	2.86E-03	2.91E-07	0.00E+00	3.35E-07	3.35E-07	0.00E+00	3.08E-07	3.08E-07	2.94E-02	2.80E-05	2.50E-05
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029		2029	7	0.5	15	5.52E-04	1.57E-02	3.34E-03	3.39E-07	0.00E+00	3.91E-07	3.91E-07	0.00E+00	3.60E-07	3.60E-07	3.43E-02	3.26E-05	2.92E-05
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029		2029	6	0.5	15	4.73E-04	1.35E-02	2.86E-03	2.91E-07	0.00E+00	3.35E-07	3.35E-07	0.00E+00	3.08E-07	3.08E-07	2.94E-02	2.80E-05	2.50E-05
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029		2029	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029		2029	4	0.5	15	3.15E-04	8.97E-03	1.91E-03	1.94E-07	0.00E+00	2.23E-07	2.23E-07	0.00E+00	2.05E-07	2.05E-07	1.96E-02	1.87E-05	1.67E-05
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029		2029	6	0.5	15	4.73E-04	1.35E-02	2.86E-03	2.91E-07	0.00E+00	3.35E-07	3.35E-07	0.00E+00	3.08E-07	3.08E-07	2.94E-02	2.80E-05	2.50E-05

						Vendor Idling Emission Factors												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission Factor (g/min)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	7	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	4	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	2	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	15	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	6	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	7	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	6	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	0	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	4	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	6	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9.75	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2.5	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	16.25	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2.5	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	9.25	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	4.5	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	4.5	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	4.5	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4.25	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	3.5	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	6.25	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	0.5	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	3.75	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	1.5	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	1.75	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	1.5	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	1	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	1.5	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	2.25	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	0.5	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	16.25	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	4.5	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	43.75	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	7.5	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	26.25	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	10.5	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	12.25	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	10.5	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	4	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	9	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	4.5	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	4	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	2	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	15	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	6	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	7	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	6	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	4	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	6	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	7	0.5	15	1.16E-01	4.58E-04	3.77E-03	7.39E-03	7.80E-06	0.00E+00	2.19E-06	2.19E-06	0.00E+00	2.10E-06	2.10E-06	8.20E-01	4.94E-05
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	4	0.5	15	6.61E-02	2.62E-04	2.16E-03	4.22E-03	4.46E-06	0.00E+00	1.25E-06	1.25E-06	0.00E+00	1.20E-06	1.20E-06	4.69E-01	2.82E-05
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	0.5	15	4.13E-01	1.63E-03	1.35E-02	2.64E-02	2.78E-05	0.00E+00	7.83E-06	7.83E-06	0.00E+00	7.49E-06	7.49E-06	2.93E+00	1.76E-04
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	2	0.5	15	3.31E-02	1.31E-04	1.08E-03	2.11E-03	2.23E-06	0.00E+00	6.27E-07	6.27E-07	0.00E+00	5.99E-07	5.99E-07	2.34E-01	1.41E-05
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	15	0.5	15	2.48E-01	9.81E-04	8.09E-03	1.58E-02	1.67E-05	0.00E+00	4.70E-06	4.70E-06	0.00E+00	4.50E-06	4.50E-06	1.76E+00	1.06E-04
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	6	0.5	15	9.92E-02	3.92E-04	3.23E-03	6.33E-03	6.68E-06	0.00E+00	1.88E-06	1.88E-06	0.00E+00	1.80E-06	1.80E-06	7.03E-01	4.23E-05
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	7	0.5	15	1.16E-01	4.58E-04	3.77E-03	7.39E-03	7.80E-06	0.00E+00	2.19E-06	2.19E-06	0.00E+00	2.10E-06	2.10E-06	8.20E-01	4.94E-05
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	6	0.5	15	9.92E-02	3.92E-04	3.23E-03	6.33E-03	6.68E-06	0.00E+00	1.88E-06	1.88E-06	0.00E+00	1.80E-06	1.80E-06	7.03E-01	4.23E-05
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	4	0.5	15	6.61E-02	2.62E-04	2.16E-03	4.22E-03	4.46E-06	0.00E+00	1.25E-06	1.25E-06	0.00E+00	1.20E-06	1.20E-06	4.69E-01	2.82E-05
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	6	0.5	15	9.92E-02	3.92E-04	3.23E-03	6.33E-03	6.68E-06	0.00E+00	1.88E-06	1.88E-06	0.00E+00	1.80E-06	1.80E-06	7.03E-01	4.23E-05
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9.75	0.5	15	1.61E-01	6.28E-04	5.20E-03	1.02E-02	1.07E-05	0.00E+00	2.79E-06	2.79E-06	0.00E+00	2.67E-06	2.67E-06	1.12E+00	6.78E-05
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2.5	0.5	15	4.13E-02	1.61E-04	1.33E-03	2.61E-03	2.74E-06	0.00E+00	7.16E-07	7.16E-07	0.00E+00	6.85E-07	6.85E-07	2.88E-01	1.74E-05
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	16.25	0.5	15	2.69E-01	1.05E-03	8.67E-03	1.70E-02	1.78E-05	0.00E+00	4.65E-06	4.65E-06	0.00E+00	4.45E-06	4.45E-06	1.87E+00	1.13E-04
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2.5	0.5	15	4.13E-02	1.61E-04	1.33E-03	2.61E-03	2.74E-06	0.00E+00	7.16E-07	7.16E-07	0.00E+00	6.85E-07	6.85E-07	2.88E-01	1.74E-05
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	9.25	0.5	15	1.53E-01	5.96E-04	4.94E-03	9.66E-03	1.01E-05	0.00E+00	2.65E-06	2.65E-06	0.00E+00	2.53E-06	2.53E-06	1.07E+00	6.43E-05
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	4.5	0.5	15	7.44E-02	2.90E-04	2.40E-03	4.70E-03	4.93E-06	0.00E+00	1.29E-06	1.29E-06	0.00E+00	1.23E-06	1.23E-06	5.19E-01	3.13E-05
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	4.5	0.5	15	7.44E-02	2.90E-04	2.40E-03	4.70E-03	4.93E-06	0.00E+00	1.29E-06	1.29E-06	0.00E+00	1.23E-06	1.23E-06	5.19E-01	3.13E-05
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	4.5	0.5	15	7.44E-02	2.90E-04	2.40E-03	4.70E-03	4.93E-06	0.00E+00	1.29E-06	1.29E-06	0.00E+00	1.23E-06	1.23E-06	5.19E-01	3.13E-05
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4.25	0.5	15	7.03E-02	2.74E-04	2.27E-03	4.44E-03	4.66E-06	0.00E+00	1.22E-06	1.22E-06	0.00E+00	1.16E-06	1.16E-06	4.90E-01	2.95E-05
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	3.5	0.5	15	5.79E-02	2.25E-04	1.87E-03	3.65E-03	3.83E-06	0.00E+00	1.00E-06	1.00E-06	0.00E+00	9.58E-07	9.58E-07	4.04E-01	2.43E-05
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	6.25	0.5	15	1.03E-01	3.97E-04	3.30E-03	6.46E-03	6.73E-06	0.00E+00	1.65E-06	1.65E-06	0.00E+00	1.57E-06	1.57E-06	7.09E-01	4.29E-05
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	0.5	0.5	15	8.27E-03	3.17E-05	2.64E-04	5.17E-04	5.38E-07	0.00E+00	1.32E-07	1.32E-07	0.00E+00	1.26E-07	1.26E-07	5.67E-02	3.43E-06
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	3.75	0.5	15	6.20E-02	2.38E-04	1.98E-03	3.87E-03	4.04E-06	0.00E+00	9.87E-07	9.87E-07	0.00E+00	9.45E-07	9.45E-07	4.26E-01	2.57E-05
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	1.5	0.5	15	2.48E-02	9.52E-05	7.93E-04	1.55E-03	1.62E-06	0.00E+00	3.95E-07	3.95E-07	0.00E+00	3.78E-07	3.78E-07	1.70E-01	1.03E-05
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	1.75	0.5	15	2.89E-02	1.11E-04	9.25E-04	1.81E-03	1.88E-06	0.00E+00	4.61E-07	4.61E-07	0.00E+00	4.41E-07	4.41E-07	1.99E-01	1.20E-05
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	1.5	0.5	15	2.48E-02	9.52E-05	7.93E-04	1.55E-03	1.62E-06	0.00E+00	3.95E-07	3.95E-07	0.00E+00	3.78E-07	3.78E-07	1.70E-01	1.03E-05
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	1	0.5	15	1.65E-02	6.35E-05	5.29E-04	1.03E-03	1.08E-06	0.00E+00	2.63E-07	2.63E-07	0.00E+00	2.52E-07	2.52E-07	1.13E-01	6.86E-06
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	1.5	0.5	15	2.48E-02	9.52E-05	7.93E-04	1.55E-03	1.62E-06	0.00E+00	3.95E-07	3.95E-07	0.00E+00	3.78E-07	3.78E-07	1.70E-01	1.03E-05
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	2.25	0.5	15	3.72E-02	1.43E-04	1.19E-03	2.32E-03	2.42E-06	0.00E+00	5.92E-07	5.92E-07	0.00E+00	5.67E-07	5.67E-07	2.55E-01	1.54E-05
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	0.5	0.5	15	8.27E-03	3.17E-05	2.64E-04	5.17E-04	5.38E-07	0.00E+00	1.32E-07	1.32E-07	0.00E+00	1.26E-07	1.26E-07	5.67E-02	3.43E-06
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	16.25	0.5	15	2.69E-01	1.02E-03	8.52E-03	1.67E-02	1.72E-05	0.00E+00	3.98E-06	3.98E-06	0.00E+00	3.80E-06	3.80E-06	1.81E+00	1.10E-04
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	4.5	0.5	15	7.44E-02	2.83E-04	2.36E-03	4.61E-03	4.76E-06	0.00E+00	1.10E-06	1.10E-06	0.00E+00	1.05E-06	1.05E-06	5.02E-01	3.06E-05
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	43.75	0.5	15	7.23E-01	2.75E-03	2.29E-02	4.49E-02	4.63E-05	0.00E+00	1.07E-05	1.07E-05	0.00E+00	1.02E-05	1.02E-05	4.89E+00	2.97E-04
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	7.5	0.5	15	1.24E-01	4.71E-04	3.93E-03	7.69E-03	7.94E-06	0.00E+00	1.84E-06	1.84E-06	0.00E+00	1.76E-06	1.76E-06	8.37E-01	5.10E-05
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	26.25	0.5	15	4.34E-01	1.65E-03	1.38E-02	2.69E-02	2.78E-05	0.00E+00	6.42E-06	6.42E-06	0.00E+00	6.15E-06	6.15E-06	2.93E+00	1.78E-04
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	10.5	0.5	15	1.74E-01	6.59E-04	5.50E-03	1.08E-02	1.11E-05	0.00E+00	2.57E-06	2.57E-06	0.00E+00	2.46E-06	2.46E-06	1.17E+00	7.13E-05
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	12.25	0.5	15	2.03E-01	7.69E-04	6.42E-03	1.26E-02	1.30E-05	0.00E+00	3.00E-06	3.00E-06	0.00E+00	2.87E-06	2.87E-06	1.37E+00	8.32E-05
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	10.5	0.5	15	1.74E-01	6.59E-04	5.50E-03	1.08E-02	1.11E-05	0.00E+00	2.57E-06	2.57E-06	0.00E+00	2.46E-06	2.46E-06	1.17E+00	7.13E-05
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	4	0.5	15	6.61E-02	2.51E-04	2.10E-03	4.10E-03	4.24E-06	0.00E+00	9.79E-07	9.79E-07	0.00E+00	9.37E-07	9.37E-07	4.47E-01	2.72E-05
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	9	0.5	15	1.49E-01	5.65E-04	4.72E-03	9.23E-03	9.53E-06	0.00E+00	2.20E-06	2.20E-06	0.00E+00	2.11E-06	2.11E-06	1.00E+00	6.11E-05
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	4.5	0.5	15	7.44E-02	2.83E-04	2.36E-03	4.61E-03	4.76E-06	0.00E+00	1.10E-06	1.10E-06	0.00E+00	1.05E-06	1.05E-06	5.02E-01	3.06E-05
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	0.5	15	1.65E-01	6.22E-04	5.20E-03	1.02E-02	1.04E-05	0.00E+00	2.29E-06	2.29E-06	0.00E+00	2.19E-06	2.19E-06	1.10E+00	6.74E-05
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	4	0.5	15	6.61E-02	2.49E-04	2.08E-03	4.07E-03	4.17E-06	0.00E+00	9.14E-07	9.14E-07	0.00E+00	8.75E-07	8.75E-07	4.40E-01	2.70E-05
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	0.5	15	4.13E-01	1.55E-03	1.30E-02	2.55E-02	2.60E-05	0.00E+00	5.71E-06	5.71E-06	0.00E+00	5.47E-06	5.47E-06	2.75E+00	1.68E-04
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	2	0.5	15	3.31E-02	1.24E-04	1.04E-03	2.04E-03	2.08E-06	0.00E+00	4.57E-07	4.57E-07	0.00E+00	4.37E-07	4.37E-07	2.20E-01	1.35E-05
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	15	0.5	15	2.48E-01	9.33E-04	7.80E-03	1.53E-02	1.56E-05	0.00E+00	3.43E-06	3.43E-06	0.00E+00	3.28E-06	3.28E-06	1.65E+00	1.01E-04
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	6	0.5	15	9.92E-02	3.73E-04	3.12E-03	6.11E-03	6.25E-06	0.00E+00	1.37E-06	1.37E-06	0.00E+00	1.31E-06	1.31E-06	6.59E-01	4.04E-05
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	7	0.5	15	1.16E-01	4.35E-04	3.64E-03	7.13E-03	7.29E-06	0.00E+00	1.60E-06	1.60E-06	0.00E+00	1.53E-06	1.53E-06	7.69E-01	4.72E-05
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	6	0.5	15	9.92E-02	3.73E-04	3.12E-03	6.11E-03	6.25E-06	0.00E+00	1.37E-06	1.37E-06	0.00E+00	1.31E-06	1.31E-06	6.59E-01	4.04E-05
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	4	0.5	15	6.61E-02	2.49E-04	2.08E-03	4.07E-03	4.17E-06	0.00E+00	9.14E-07	9.14E-07	0.00E+00	8.75E-07	8.75E-07	4.40E-01	2.70E-05
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	6	0.5	15	9.92E-02	3.73E-04	3.12E-03	6.11E-03	6.25E-06	0.00E+00	1.37E-06	1.37E-06	0.00E+00	1.31E-06	1.31E-06	6.59E-01	4.04E-05

Vendor Running Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/mile)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	7	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	4	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	2	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	15	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	6	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	7	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	6	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	0	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	4	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	6	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9.75	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2.5	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	16.25	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2.5	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	9.25	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	4.5	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	4.5	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	4.5	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4.25	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	3.5	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	6.25	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	0.5	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	3.75	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	1.5	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	1.75	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	1.5	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	1	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	1.5	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	2.25	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	0.5	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	16.25	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	4.5	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	43.75	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	7.5	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	26.25	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	10.5	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	12.25	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	10.5	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	4	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	9	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	4.5	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	4	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	2	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	15	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	6	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	7	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	6	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	4	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	6	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01

						Daily Emissions													
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	7	0.5	15	1.33E-04	1.34E-02	2.40E-03	8.19E-05	1.46	9.30E-04	1.46E+00	1.46E-01	1.00E-04	1.46E-01	8.83E+00	3.07E-04	1.27E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	4	0.5	15	7.58E-05	7.68E-03	1.37E-03	4.68E-05	0.83	5.31E-04	8.33E-01	8.32E-02	5.73E-05	8.33E-02	5.05E+00	1.75E-04	7.27E-04
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	0.5	15	4.74E-04	4.80E-02	8.56E-03	2.92E-04	5.21	3.32E-03	5.21E+00	5.20E-01	3.58E-04	5.20E-01	3.15E+01	1.10E-03	4.54E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	2	0.5	15	3.79E-05	3.84E-03	6.85E-04	2.34E-05	0.42	2.66E-04	4.17E-01	4.16E-02	2.86E-05	4.16E-02	2.52E+00	8.77E-05	3.63E-04
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	15	0.5	15	2.84E-04	2.88E-02	5.14E-03	1.75E-04	3.12	1.99E-03	3.13E+00	3.12E-01	2.15E-04	3.12E-01	1.89E+01	6.58E-04	2.72E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	6	0.5	15	1.14E-04	1.15E-02	2.06E-03	7.02E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.59E-05	1.25E-01	7.57E+00	2.63E-04	1.09E-03
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	7	0.5	15	1.33E-04	1.34E-02	2.40E-03	8.19E-05	1.46	9.30E-04	1.46E+00	1.46E-01	1.00E-04	1.46E-01	8.83E+00	3.07E-04	1.27E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	6	0.5	15	1.14E-04	1.15E-02	2.06E-03	7.02E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.59E-05	1.25E-01	7.57E+00	2.63E-04	1.09E-03
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	4	0.5	15	7.58E-05	7.68E-03	1.37E-03	4.68E-05	0.83	5.31E-04	8.33E-01	8.32E-02	5.73E-05	8.33E-02	5.05E+00	1.75E-04	7.27E-04
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	6	0.5	15	1.14E-04	1.15E-02	2.06E-03	7.02E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.59E-05	1.25E-01	7.57E+00	2.63E-04	1.09E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9.75	0.5	15	1.79E-04	1.86E-02	3.28E-03	1.12E-04	2.03	1.30E-03	2.03E+00	2.03E-01	1.39E-04	2.03E-01	1.21E+01	4.29E-04	1.74E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2.5	0.5	15	4.58E-05	4.76E-03	8.41E-04	2.87E-05	0.52	3.32E-04	5.21E-01	5.20E-02	3.57E-05	5.20E-02	3.10E+00	1.10E-04	4.46E-04
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	16.25	0.5	15	2.98E-04	3.09E-02	5.47E-03	1.86E-04	3.38	2.16E-03	3.39E+00	3.38E-01	2.32E-04	3.38E-01	2.01E+01	7.15E-04	2.90E-03
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2.5	0.5	15	4.58E-05	4.76E-03	8.41E-04	2.87E-05	0.52	3.32E-04	5.21E-01	5.20E-02	3.57E-05	5.20E-02	3.10E+00	1.10E-04	4.46E-04
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	9.25	0.5	15	1.70E-04	1.76E-02	3.11E-03	1.06E-04	1.93	1.23E-03	1.93E+00	1.92E-01	1.32E-04	1.93E-01	1.15E+01	4.07E-04	1.65E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	4.5	0.5	15	8.25E-05	8.57E-03	1.51E-03	5.16E-05	0.94	5.98E-04	9.38E-01	9.36E-02	6.43E-05	9.37E-02	5.57E+00	1.98E-04	8.03E-04
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	4.5	0.5	15	8.25E-05	8.57E-03	1.51E-03	5.16E-05	0.94	5.98E-04	9.38E-01	9.36E-02	6.43E-05	9.37E-02	5.57E+00	1.98E-04	8.03E-04
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	4.5	0.5	15	8.25E-05	8.57E-03	1.51E-03	5.16E-05	0.94	5.98E-04	9.38E-01	9.36E-02	6.43E-05	9.37E-02	5.57E+00	1.98E-04	8.03E-04
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4.25	0.5	15	7.79E-05	8.09E-03	1.43E-03	4.87E-05	0.89	5.65E-04	8.86E-01	8.84E-02	6.07E-05	8.85E-02	5.26E+00	1.87E-04	7.58E-04
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	3.5	0.5	15	6.41E-05	6.66E-03	1.18E-03	4.01E-05	0.73	4.65E-04	7.29E-01	7.28E-02	5.00E-05	7.29E-02	4.33E+00	1.54E-04	6.24E-04
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	6.25	0.5	15	1.11E-04	1.18E-02	2.07E-03	7.02E-05	1.30	8.30E-04	1.30E+00	1.30E-01	8.90E-05	1.30E-01	7.58E+00	2.75E-04	1.09E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	0.5	0.5	15	8.89E-06	9.43E-04	1.66E-04	5.62E-06	0.10	6.64E-05	1.04E-01	1.04E-02	7.12E-06	1.04E-02	6.07E-01	2.20E-05	8.75E-05
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	3.75	0.5	15	6.67E-05	7.07E-03	1.24E-03	4.21E-05	0.78	4.98E-04	7.81E-01	7.80E-02	5.34E-05	7.81E-02	4.55E+00	1.65E-04	6.56E-04
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	1.5	0.5	15	2.67E-05	2.83E-03	4.97E-04	1.68E-05	0.31	1.99E-04	3.13E-01	3.12E-02	2.14E-05	3.12E-02	1.82E+00	6.59E-05	2.63E-04
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	1.75	0.5	15	3.11E-05	3.30E-03	5.80E-04	1.97E-05	0.36	2.32E-04	3.65E-01	3.64E-02	2.49E-05	3.64E-02	2.12E+00	7.69E-05	3.06E-04
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	1.5	0.5	15	2.67E-05	2.83E-03	4.97E-04	1.68E-05	0.31	1.99E-04	3.13E-01	3.12E-02	2.14E-05	3.12E-02	1.82E+00	6.59E-05	2.63E-04
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	1	0.5	15	1.78E-05	1.89E-03	3.31E-04	1.12E-05	0.21	1.33E-04	2.08E-01	2.08E-02	1.42E-05	2.08E-02	1.21E+00	4.39E-05	1.75E-04
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	1.5	0.5	15	2.67E-05	2.83E-03	4.97E-04	1.68E-05	0.31	1.99E-04	3.13E-01	3.12E-02	2.14E-05	3.12E-02	1.82E+00	6.59E-05	2.63E-04
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	2.25	0.5	15	4.00E-05	4.24E-03	7.46E-04	2.53E-05	0.47	2.99E-04	4.69E-01	4.68E-02	3.20E-05	4.68E-02	2.73E+00	9.89E-05	3.94E-04
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	0.5	0.5	15	8.89E-06	9.43E-04	1.66E-04	5.62E-06	0.10	6.64E-05	1.04E-01	1.04E-02	7.12E-06	1.04E-02	6.07E-01	2.20E-05	8.75E-05
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	16.25	0.5	15	2.82E-04	3.04E-02	5.34E-03	1.79E-04	3.38	2.16E-03	3.39E+00	3.38E-01	2.30E-04	3.38E-01	1.93E+01	7.16E-04	2.79E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	4.5	0.5	15	7.80E-05	8.42E-03	1.48E-03	4.95E-05	0.94	5.98E-04	9.38E-01	9.36E-02	6.38E-05	9.37E-02	5.35E+00	1.98E-04	7.73E-04
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	43.75	0.5	15	7.58E-04	8.18E-02	1.44E-02	4.81E-04	9.11	5.81E-03	9.12E+00	9.10E-01	6.20E-04	9.11E-01	5.21E+01	1.93E-03	7.52E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	7.5	0.5	15	1.30E-04	1.40E-02	2.46E-03	8.25E-05	1.56	9.96E-04	1.56E+00	1.56E-01	1.06E-04	1.56E-01	8.92E+00	3.31E-04	1.29E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	26.25	0.5	15	4.55E-04	4.91E-02	8.62E-03	2.89E-04	5.47	3.49E-03	5.47E+00	5.46E-01	3.72E-04	5.46E-01	3.12E+01	1.16E-03	4.51E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	10.5	0.5	15	1.82E-04	1.96E-02	3.45E-03	1.16E-04	2.19	1.39E-03	2.19E+00	2.18E-01	1.49E-04	2.19E-01	1.25E+01	4.63E-04	1.80E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	12.25	0.5	15	2.12E-04	2.29E-02	4.02E-03	1.35E-04	2.55	1.63E-03	2.55E+00	2.55E-01	1.74E-04	2.55E-01	1.46E+01	5.40E-04	2.10E-03
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	10.5	0.5	15	1.82E-04	1.96E-02	3.45E-03	1.16E-04	2.19	1.39E-03	2.19E+00	2.18E-01	1.49E-04	2.19E-01	1.25E+01	4.63E-04	1.80E-03
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	4	0.5	15	6.93E-05	7.48E-03	1.31E-03	4.40E-05	0.83	5.31E-04	8.33E-01	8.32E-02	5.67E-05	8.33E-02	4.76E+00	1.76E-04	6.87E-04
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	9	0.5	15	1.56E-04	1.68E-02	2.95E-03	9.90E-05	1.87	1.20E-03	1.88E+00	1.87E-01	1.28E-04	1.87E-01	1.07E+01	3.97E-04	1.55E-03
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	4.5	0.5	15	7.80E-05	8.42E-03	1.48E-03	4.95E-05	0.94	5.98E-04	9.38E-01	9.36E-02	6.38E-05	9.37E-02	5.35E+00	1.98E-04	7.73E-04
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	0.5	15	1.69E-04	1.85E-02	3.26E-03	1.08E-04	2.08	1.33E-03	2.08E+00	2.08E-01	1.41E-04	2.08E-01	1.17E+01	4.42E-04	1.69E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	4	0.5	15	6.77E-05	7.42E-03	1.30E-03	4.32E-05	0.83	5.31E-04	8.33E-01	8.32E-02	5.64E-05	8.33E-02	4.67E+00	1.77E-04	6.75E-04
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	0.5	15	4.23E-04	4.64E-02	8.15E-03	2.70E-04	5.21	3.32E-03	5.21E+00	5.20E-01	3.53E-04	5.20E-01	2.92E+01	1.11E-03	4.22E-03
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	2	0.5	15	3.39E-05	3.71E-03	6.52E-04	2.16E-05	0.42	2.66E-04	4.17E-01	4.16E-02	2.82E-05	4.16E-02	2.33E+00	8.84E-05	3.37E-04
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	15	0.5	15	2.54E-04	2.78E-02	4.89E-03	1.62E-04	3.12	1.99E-03	3.13E+00	3.12E-01	2.12E-04	3.12E-01	1.75E+01	6.63E-04	2.53E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	6	0.5	15	1.02E-04	1.11E-02	1.96E-03	6.47E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.46E-05	1.25E-01	7.00E+00	2.65E-04	1.01E-03
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	7	0.5	15	1.19E-04	1.30E-02	2.28E-03	7.55E-05	1.46	9.30E-04	1.46E+00	1.46E-01	9.87E-05	1.46E-01	8.17E+00	3.09E-04	1.18E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	6	0.5	15	1.02E-04	1.11E-02	1.96E-03	6.47E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.46E-05	1.25E-01	7.00E+00	2.65E-04	1.01E-03
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	4	0.5	15	6.77E-05	7.42E-03	1.30E-03	4.32E-05	0.83	5.31E-04	8.33E-01	8.32E-02	5.64E-05	8.33E-02	4.67E+00	1.77E-04	6.75E-04
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	6	0.5	15	1.02E-04	1.11E-02	1.96E-03	6.47E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.46E-05	1.25E-01	7.00E+00	2.65E-04	1.01E-03

					Worker Starting/Evaporative Emission Factors													
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission Factor (g/trip)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	25	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	10	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	10	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	0	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	10	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	25	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	35	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	13.75	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	26.25	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	16.25	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	15	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	10	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7.5	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	11.25	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	17.5	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	16.25	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	10	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	6.25	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	6.25	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	3.75	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	2.5	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	2.5	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	2.5	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	6.25	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	3.75	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	87.5	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	26.25	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	70	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	43.75	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	43.75	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	26.25	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	17.5	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	17.5	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	10	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	32.5	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	18.75	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	50	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	15	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	40	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	25	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	10	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	10	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	10	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	25	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	0.5	4.23E-02	9.85E-03	1.12E-01	2.94E-05	0.00E+00	9.74E-05	9.74E-05	0.00E+00	8.95E-05	8.95E-05	2.97E+00	2.55E-03	1.31E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	0.5	1.27E-02	2.95E-03	3.35E-02	8.83E-06	0.00E+00	2.92E-05	2.92E-05	0.00E+00	2.69E-05	2.69E-05	8.92E-01	7.65E-04	3.93E-04
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	0.5	3.38E-02	7.88E-03	8.94E-02	2.35E-05	0.00E+00	7.79E-05	7.79E-05	0.00E+00	7.16E-05	7.16E-05	2.38E+00	2.04E-03	1.05E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	25	0.5	2.12E-02	4.92E-03	5.59E-02	1.47E-05	0.00E+00	4.87E-05	4.87E-05	0.00E+00	4.48E-05	4.48E-05	1.49E+00	1.27E-03	6.55E-04
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	0.5	2.12E-02	4.92E-03	5.59E-02	1.47E-05	0.00E+00	4.87E-05	4.87E-05	0.00E+00	4.48E-05	4.48E-05	1.49E+00	1.27E-03	6.55E-04
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	0.5	1.27E-02	2.95E-03	3.35E-02	8.83E-06	0.00E+00	2.92E-05	2.92E-05	0.00E+00	2.69E-05	2.69E-05	8.92E-01	7.65E-04	3.93E-04
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	10	0.5	8.46E-03	1.97E-03	2.23E-02	5.88E-06	0.00E+00	1.95E-05	1.95E-05	0.00E+00	1.79E-05	1.79E-05	5.95E-01	5.10E-04	2.62E-04
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	10	0.5	8.46E-03	1.97E-03	2.23E-02	5.88E-06	0.00E+00	1.95E-05	1.95E-05	0.00E+00	1.79E-05	1.79E-05	5.95E-01	5.10E-04	2.62E-04
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	10	0.5	8.46E-03	1.97E-03	2.23E-02	5.88E-06	0.00E+00	1.95E-05	1.95E-05	0.00E+00	1.79E-05	1.79E-05	5.95E-01	5.10E-04	2.62E-04
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	25	0.5	2.12E-02	4.92E-03	5.59E-02	1.47E-05	0.00E+00	4.87E-05	4.87E-05	0.00E+00	4.48E-05	4.48E-05	1.49E+00	1.27E-03	6.55E-04
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	35	0.5	2.79E-02	6.46E-03	7.52E-02	1.99E-05	0.00E+00	6.52E-05	6.52E-05	0.00E+00	5.99E-05	5.99E-05	2.02E+00	1.65E-03	8.78E-04
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	13.75	0.5	1.09E-02	2.54E-03	2.95E-02	7.84E-06	0.00E+00	2.56E-05	2.56E-05	0.00E+00	2.35E-05	2.35E-05	7.92E-01	6.48E-04	3.45E-04
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	26.25	0.5	2.09E-02	4.84E-03	5.64E-02	1.50E-05	0.00E+00	4.89E-05	4.89E-05	0.00E+00	4.50E-05	4.50E-05	1.51E+00	1.24E-03	6.58E-04
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	16.25	0.5	1.29E-02	3.00E-03	3.49E-02	9.26E-06	0.00E+00	3.03E-05	3.03E-05	0.00E+00	2.78E-05	2.78E-05	9.36E-01	7.66E-04	4.07E-04
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	15	0.5	1.19E-02	2.77E-03	3.22E-02	8.55E-06	0.00E+00	2.79E-05	2.79E-05	0.00E+00	2.57E-05	2.57E-05	8.64E-01	7.07E-04	3.76E-04
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	10	0.5	7.96E-03	1.84E-03	2.15E-02	5.70E-06	0.00E+00	1.86E-05	1.86E-05	0.00E+00	1.71E-05	1.71E-05	5.76E-01	4.72E-04	2.51E-04
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7.5	0.5	5.97E-03	1.38E-03	1.61E-02	4.27E-06	0.00E+00	1.40E-05	1.40E-05	0.00E+00	1.28E-05	1.28E-05	4.32E-01	3.54E-04	1.88E-04
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	11.25	0.5	8.95E-03	2.07E-03	2.42E-02	6.41E-06	0.00E+00	2.10E-05	2.10E-05	0.00E+00	1.93E-05	1.93E-05	6.48E-01	5.31E-04	2.82E-04
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	17.5	0.5	1.39E-02	3.23E-03	3.76E-02	9.97E-06	0.00E+00	3.26E-05	3.26E-05	0.00E+00	3.00E-05	3.00E-05	1.01E+00	8.25E-04	4.39E-04
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	16.25	0.5	1.29E-02	3.00E-03	3.49E-02	9.26E-06	0.00E+00	3.03E-05	3.03E-05	0.00E+00	2.78E-05	2.78E-05	9.36E-01	7.66E-04	4.07E-04
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	10	0.5	7.51E-03	1.74E-03	2.07E-02	5.53E-06	0.00E+00	1.77E-05	1.77E-05	0.00E+00	1.63E-05	1.63E-05	5.59E-01	4.38E-04	2.41E-04
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	6.25	0.5	4.69E-03	1.09E-03	1.30E-02	3.46E-06	0.00E+00	1.11E-05	1.11E-05	0.00E+00	1.02E-05	1.02E-05	3.49E-01	2.74E-04	1.51E-04
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	6.25	0.5	4.69E-03	1.09E-03	1.30E-02	3.46E-06	0.00E+00	1.11E-05	1.11E-05	0.00E+00	1.02E-05	1.02E-05	3.49E-01	2.74E-04	1.51E-04
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	3.75	0.5	2.81E-03	6.52E-04	7.77E-03	2.07E-06	0.00E+00	6.63E-06	6.63E-06	0.00E+00	6.10E-06	6.10E-06	2.10E-01	1.64E-04	9.05E-05
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	2.5	0.5	1.88E-03	4.35E-04	5.18E-03	1.38E-06	0.00E+00	4.42E-06	4.42E-06	0.00E+00	4.06E-06	4.06E-06	1.40E-01	1.10E-04	6.03E-05
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	2.5	0.5	1.88E-03	4.35E-04	5.18E-03	1.38E-06	0.00E+00	4.42E-06	4.42E-06	0.00E+00	4.06E-06	4.06E-06	1.40E-01	1.10E-04	6.03E-05
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	2.5	0.5	1.88E-03	4.35E-04	5.18E-03	1.38E-06	0.00E+00	4.42E-06	4.42E-06	0.00E+00	4.06E-06	4.06E-06	1.40E-01	1.10E-04	6.03E-05
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	6.25	0.5	4.69E-03	1.09E-03	1.30E-02	3.46E-06	0.00E+00	1.11E-05	1.11E-05	0.00E+00	1.02E-05	1.02E-05	3.49E-01	2.74E-04	1.51E-04
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	0.5	9.38E-03	2.17E-03	2.59E-02	6.92E-06	0.00E+00	2.21E-05	2.21E-05	0.00E+00	2.03E-05	2.03E-05	6.99E-01	5.48E-04	3.02E-04
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	3.75	0.5	2.81E-03	6.52E-04	7.77E-03	2.07E-06	0.00E+00	6.63E-06	6.63E-06	0.00E+00	6.10E-06	6.10E-06	2.10E-01	1.64E-04	9.05E-05
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	87.5	0.5	6.20E-02	1.44E-02	1.76E-01	4.71E-05	0.00E+00	1.46E-04	1.46E-04	0.00E+00	1.34E-04	1.34E-04	4.76E+00	3.58E-03	2.04E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	26.25	0.5	1.86E-02	4.33E-03	5.27E-02	1.41E-05	0.00E+00	4.37E-05	4.37E-05	0.00E+00	4.02E-05	4.02E-05	1.43E+00	1.07E-03	6.12E-04
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	70	0.5	4.96E-02	1.15E-02	1.40E-01	3.77E-05	0.00E+00	1.17E-04	1.17E-04	0.00E+00	1.07E-04	1.07E-04	3.81E+00	2.86E-03	1.63E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	43.75	0.5	3.10E-02	7.22E-03	8.78E-02	2.36E-05	0.00E+00	7.29E-05	7.29E-05	0.00E+00	6.70E-05	6.70E-05	2.38E+00	1.79E-03	1.02E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	43.75	0.5	3.10E-02	7.22E-03	8.78E-02	2.36E-05	0.00E+00	7.29E-05	7.29E-05	0.00E+00	6.70E-05	6.70E-05	2.38E+00	1.79E-03	1.02E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	26.25	0.5	1.86E-02	4.33E-03	5.27E-02	1.41E-05	0.00E+00	4.37E-05	4.37E-05	0.00E+00	4.02E-05	4.02E-05	1.43E+00	1.07E-03	6.12E-04
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	17.5	0.5	1.24E-02	2.89E-03	3.51E-02	9.42E-06	0.00E+00	2.91E-05	2.91E-05	0.00E+00	2.68E-05	2.68E-05	9.52E-01	7.16E-04	4.08E-04
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	17.5	0.5	1.24E-02	2.89E-03	3.51E-02	9.42E-06	0.00E+00	2.91E-05	2.91E-05	0.00E+00	2.68E-05	2.68E-05	9.52E-01	7.16E-04	4.08E-04
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	10	0.5	7.09E-03	1.65E-03	2.01E-02	5.38E-06	0.00E+00	1.67E-05	1.67E-05	0.00E+00	1.53E-05	1.53E-05	5.44E-01	4.09E-04	2.33E-04
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	32.5	0.5	2.30E-02	5.36E-03	6.52E-02	1.75E-05	0.00E+00	5.41E-05	5.41E-05	0.00E+00	4.98E-05	4.98E-05	1.77E+00	1.33E-03	7.58E-04
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	18.75	0.5	1.33E-02	3.09E-03	3.76E-02	1.01E-05	0.00E+00	3.12E-05	3.12E-05	0.00E+00	2.87E-05	2.87E-05	1.02E+00	7.67E-04	4.37E-04
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	50	0.5	3.34E-02	7.86E-03	9.73E-02	2.62E-05	0.00E+00	7.84E-05	7.84E-05	0.00E+00	7.21E-05	7.21E-05	2.65E+00	1.91E-03	1.13E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	15	0.5	1.00E-02	2.36E-03	2.92E-02	7.87E-06	0.00E+00	2.35E-05	2.35E-05	0.00E+00	2.16E-05	2.16E-05	7.95E-01	5.74E-04	3.40E-04
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	40	0.5	2.67E-02	6.29E-03	7.78E-02	2.10E-05	0.00E+00	6.27E-05	6.27E-05	0.00E+00	5.77E-05	5.77E-05	2.12E+00	1.53E-03	9.06E-04
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	0.5	1.67E-02	3.93E-03	4.87E-02	1.31E-05	0.00E+00	3.92E-05	3.92E-05	0.00E+00	3.60E-05	3.60E-05	1.33E+00	9.57E-04	5.66E-04
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	25	0.5	1.67E-02	3.93E-03	4.87E-02	1.31E-05	0.00E+00	3.92E-05	3.92E-05	0.00E+00	3.60E-05	3.60E-05	1.33E+00	9.57E-04	5.66E-04
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	0.5	1.00E-02	2.36E-03	2.92E-02	7.87E-06	0.00E+00	2.35E-05	2.35E-05	0.00E+00	2.16E-05	2.16E-05	7.95E-01	5.74E-04	3.40E-04
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	10	0.5	6.68E-03	1.57E-03	1.95E-02	5.25E-06	0.00E+00	1.57E-05	1.57E-05	0.00E+00	1.44E-05	1.44E-05	5.30E-01	3.83E-04	2.26E-04
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	10	0.5	6.68E-03	1.57E-03	1.95E-02	5.25E-06	0.00E+00	1.57E-05	1.57E-05	0.00E+00	1.44E-05	1.44E-05	5.30E-01	3.83E-04	2.26E-04
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	10	0.5	6.68E-03	1.57E-03	1.95E-02	5.25E-06	0.00E+00	1.57E-05	1.57E-05	0.00E+00	1.44E-05	1.44E-05	5.30E-01	3.83E-04	2.26E-04
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	25	0.5	1.67E-02	3.93E-03	4.87E-02	1.31E-05	0.00E+00	3.92E-05	3.92E-05	0.00E+00	3.60E-05	3.60E-05	1.33E+00	9.57E-04	5.66E-04

					Worker Running Emission Factors												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission Factor (g/mile)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	25	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	10	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	10	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	0	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	10	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	25	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	35	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	13.75	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	26.25	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	16.25	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	15	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	10	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7.5	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	11.25	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	17.5	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	16.25	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	10	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	6.25	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	6.25	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	3.75	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	2.5	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	2.5	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	2.5	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	6.25	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	3.75	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	87.5	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	26.25	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	70	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	43.75	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	43.75	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	26.25	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	17.5	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	17.5	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	10	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	32.5	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	18.75	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	50	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	15	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	40	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	25	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	10	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	10	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	10	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	25	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	0.5	6.60E-04	2.58E-03	4.03E-02	1.46E-04	1.04E+01	8.99E-05	1.04E+01	1.04E+00	8.28E-05	1.04E+00	1.48E+01	1.64E-04	2.69E-04
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	0.5	1.98E-04	7.74E-04	1.21E-02	4.39E-05	3.12E+00	2.70E-05	3.12E+00	3.12E-01	2.48E-05	3.12E-01	4.44E+00	4.93E-05	8.08E-05
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	0.5	5.28E-04	2.06E-03	3.22E-02	1.17E-04	8.33E+00	7.19E-05	8.33E+00	8.31E-01	6.62E-05	8.31E-01	1.18E+01	1.32E-04	2.15E-04
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	25	0.5	3.30E-04	1.29E-03	2.02E-02	7.32E-05	5.20E+00	4.50E-05	5.20E+00	5.19E-01	4.14E-05	5.19E-01	7.40E+00	8.22E-05	1.35E-04
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	0.5	3.30E-04	1.29E-03	2.02E-02	7.32E-05	5.20E+00	4.50E-05	5.20E+00	5.19E-01	4.14E-05	5.19E-01	7.40E+00	8.22E-05	1.35E-04
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	0.5	1.98E-04	7.74E-04	1.21E-02	4.39E-05	3.12E+00	2.70E-05	3.12E+00	3.12E-01	2.48E-05	3.12E-01	4.44E+00	4.93E-05	8.08E-05
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	10	0.5	1.32E-04	5.16E-04	8.06E-03	2.93E-05	2.08E+00	1.80E-05	2.08E+00	2.08E-01	1.66E-05	2.08E-01	2.96E+00	3.29E-05	5.38E-05
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	10	0.5	1.32E-04	5.16E-04	8.06E-03	2.93E-05	2.08E+00	1.80E-05	2.08E+00	2.08E-01	1.66E-05	2.08E-01	2.96E+00	3.29E-05	5.38E-05
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	10	0.5	1.32E-04	5.16E-04	8.06E-03	2.93E-05	2.08E+00	1.80E-05	2.08E+00	2.08E-01	1.66E-05	2.08E-01	2.96E+00	3.29E-05	5.38E-05
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	25	0.5	3.30E-04	1.29E-03	2.02E-02	7.32E-05	5.20E+00	4.50E-05	5.20E+00	5.19E-01	4.14E-05	5.19E-01	7.40E+00	8.22E-05	1.35E-04
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	35	0.5	4.07E-04	1.63E-03	2.64E-02	9.93E-05	7.29E+00	5.96E-05	7.29E+00	7.27E-01	5.49E-05	7.27E-01	1.00E+01	1.03E-04	1.77E-04
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	13.75	0.5	1.60E-04	6.39E-04	1.04E-02	3.90E-05	2.86E+00	2.34E-05	2.86E+00	2.86E-01	2.16E-05	2.86E-01	3.94E+00	4.04E-05	6.95E-05
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	26.25	0.5	3.06E-04	1.22E-03	1.98E-02	7.45E-05	5.46E+00	4.47E-05	5.46E+00	5.45E-01	4.12E-05	5.45E-01	7.53E+00	7.71E-05	1.33E-04
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	16.25	0.5	1.89E-04	7.55E-04	1.23E-02	4.61E-05	3.38E+00	2.77E-05	3.38E+00	3.37E-01	2.55E-05	3.38E-01	4.66E+00	4.77E-05	8.21E-05
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	15	0.5	1.75E-04	6.97E-04	1.13E-02	4.26E-05	3.12E+00	2.56E-05	3.12E+00	3.12E-01	2.35E-05	3.12E-01	4.30E+00	4.41E-05	7.58E-05
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	10	0.5	1.16E-04	4.65E-04	7.54E-03	2.84E-05	2.08E+00	1.70E-05	2.08E+00	2.08E-01	1.57E-05	2.08E-01	2.87E+00	2.94E-05	5.05E-05
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7.5	0.5	8.73E-05	3.49E-04	5.65E-03	2.13E-05	1.56E+00	1.28E-05	1.56E+00	1.56E-01	1.18E-05	1.56E-01	2.15E+00	2.20E-05	3.79E-05
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	11.25	0.5	1.31E-04	5.23E-04	8.48E-03	3.19E-05	2.34E+00	1.92E-05	2.34E+00	2.34E-01	1.76E-05	2.34E-01	3.23E+00	3.30E-05	5.68E-05
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	17.5	0.5	2.04E-04	8.13E-04	1.32E-02	4.96E-05	3.64E+00	2.98E-05	3.64E+00	3.63E-01	2.74E-05	3.63E-01	5.02E+00	5.14E-05	8.84E-05
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	16.25	0.5	1.89E-04	7.55E-04	1.23E-02	4.61E-05	3.38E+00	2.77E-05	3.38E+00	3.37E-01	2.55E-05	3.38E-01	4.66E+00	4.77E-05	8.21E-05
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	10	0.5	1.03E-04	4.21E-04	7.10E-03	2.76E-05	2.08E+00	1.60E-05	2.08E+00	2.08E-01	1.47E-05	2.08E-01	2.79E+00	2.64E-05	4.78E-05
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	6.25	0.5	6.45E-05	2.63E-04	4.44E-03	1.72E-05	1.30E+00	9.99E-06	1.30E+00	1.30E-01	9.19E-06	1.30E-01	1.74E+00	1.65E-05	2.98E-05
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	6.25	0.5	6.45E-05	2.63E-04	4.44E-03	1.72E-05	1.30E+00	9.99E-06	1.30E+00	1.30E-01	9.19E-06	1.30E-01	1.74E+00	1.65E-05	2.98E-05
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	3.75	0.5	3.87E-05	1.58E-04	2.66E-03	1.03E-05	7.81E-01	5.99E-06	7.81E-01	7.79E-02	5.52E-06	7.79E-02	1.05E+00	9.89E-06	1.79E-05
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	2.5	0.5	2.58E-05	1.05E-04	1.77E-03	6.89E-06	5.20E-01	4.00E-06	5.20E-01	5.19E-02	3.68E-06	5.19E-02	6.97E-01	6.59E-06	1.19E-05
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	2.5	0.5	2.58E-05	1.05E-04	1.77E-03	6.89E-06	5.20E-01	4.00E-06	5.20E-01	5.19E-02	3.68E-06	5.19E-02	6.97E-01	6.59E-06	1.19E-05
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	2.5	0.5	2.58E-05	1.05E-04	1.77E-03	6.89E-06	5.20E-01	4.00E-06	5.20E-01	5.19E-02	3.68E-06	5.19E-02	6.97E-01	6.59E-06	1.19E-05
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	6.25	0.5	6.45E-05	2.63E-04	4.44E-03	1.72E-05	1.30E+00	9.99E-06	1.30E+00	1.30E-01	9.19E-06	1.30E-01	1.74E+00	1.65E-05	2.98E-05
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	0.5	1.29E-04	5.27E-04	8.87E-03	3.45E-05	2.60E+00	2.00E-05	2.60E+00	2.60E-01	1.84E-05	2.60E-01	3.48E+00	3.30E-05	5.97E-05
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	3.75	0.5	3.87E-05	1.58E-04	2.66E-03	1.03E-05	7.81E-01	5.99E-06	7.81E-01	7.79E-02	5.52E-06	7.79E-02	1.05E+00	9.89E-06	1.79E-05
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	87.5	0.5	8.07E-04	3.37E-03	5.89E-02	2.35E-04	1.82E+01	1.30E-04	1.82E+01	1.82E+00	1.20E-04	1.82E+00	2.38E+01	2.09E-04	3.98E-04
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	26.25	0.5	2.42E-04	1.01E-03	1.77E-02	7.05E-05	5.46E+00	3.91E-05	5.46E+00	5.45E-01	3.59E-05	5.45E-01	7.13E+00	6.27E-05	1.19E-04
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	70	0.5	6.46E-04	2.69E-03	4.71E-02	1.88E-04	1.46E+01	1.04E-04	1.46E+01	1.45E+00	9.58E-05	1.45E+00	1.90E+01	1.67E-04	3.18E-04
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	43.75	0.5	4.04E-04	1.68E-03	2.94E-02	1.18E-04	9.11E+00	6.51E-05	9.11E+00	9.09E-01	5.99E-05	9.09E-01	1.19E+01	1.04E-04	1.99E-04
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	43.75	0.5	4.04E-04	1.68E-03	2.94E-02	1.18E-04	9.11E+00	6.51E-05	9.11E+00	9.09E-01	5.99E-05	9.09E-01	1.19E+01	1.04E-04	1.99E-04
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	26.25	0.5	2.42E-04	1.01E-03	1.77E-02	7.05E-05	5.46E+00	3.91E-05	5.46E+00	5.45E-01	3.59E-05	5.45E-01	7.13E+00	6.27E-05	1.19E-04
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	17.5	0.5	1.61E-04	6.74E-04	1.18E-02	4.70E-05	3.64E+00	2.60E-05	3.64E+00	3.63E-01	2.40E-05	3.63E-01	4.75E+00	4.18E-05	7.95E-05
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	17.5	0.5	1.61E-04	6.74E-04	1.18E-02	4.70E-05	3.64E+00	2.60E-05	3.64E+00	3.63E-01	2.40E-05	3.63E-01	4.75E+00	4.18E-05	7.95E-05
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	10	0.5	9.22E-05	3.85E-04	6.73E-03	2.69E-05	2.08E+00	1.49E-05	2.08E+00	2.08E-01	1.37E-05	2.08E-01	2.72E+00	2.39E-05	4.54E-05
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	32.5	0.5	3.00E-04	1.25E-03	2.19E-02	8.73E-05	6.77E+00	4.83E-05	6.77E+00	6.75E-01	4.45E-05	6.75E-01	8.83E+00	7.76E-05	1.48E-04
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	18.75	0.5	1.73E-04	7.22E-04	1.26E-02	5.04E-05	3.90E+00	2.79E-05	3.90E+00	3.89E-01	2.57E-05	3.89E-01	5.09E+00	4.48E-05	8.52E-05
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	50	0.5	4.13E-04	1.77E-03	3.20E-02	1.31E-04	1.04E+01	6.93E-05	1.04E+01	1.04E+00	6.38E-05	1.04E+00	1.33E+01	1.08E-04	2.17E-04
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	15	0.5	1.24E-04	5.30E-04	9.61E-03	3.94E-05	3.12E+00	2.08E-05	3.12E+00	3.12E-01	1.91E-05	3.12E-01	3.98E+00	3.25E-05	6.52E-05
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	40	0.5	3.30E-04	1.41E-03	2.56E-02	1.05E-04	8.33E+00	5.54E-05	8.33E+00	8.31E-01	5.10E-05	8.31E-01	1.06E+01	8.67E-05	1.74E-04
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	0.5	2.06E-04	8.83E-04	1.60E-02	6.56E-05	5.20E+00	3.46E-05	5.20E+00	5.19E-01	3.19E-05	5.19E-01	6.63E+00	5.42E-05	1.09E-04
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	25	0.5	2.06E-04	8.83E-04	1.60E-02	6.56E-05	5.20E+00	3.46E-05	5.20E+00	5.19E-01	3.19E-05	5.19E-01	6.63E+00	5.42E-05	1.09E-04
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	0.5	1.24E-04	5.30E-04	9.61E-03	3.94E-05	3.12E+00	2.08E-05	3.12E+00	3.12E-01	1.91E-05	3.12E-01	3.98E+00	3.25E-05	6.52E-05
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	10	0.5	8.26E-05	3.53E-04	6.41E-03	2.62E-05	2.08E+00	1.39E-05	2.08E+00	2.08E-01	1.28E-05	2.08E-01	2.65E+00	2.17E-05	4.35E-05
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	10	0.5	8.26E-05	3.53E-04	6.41E-03	2.62E-05	2.08E+00	1.39E-05	2.08E+00	2.08E-01	1.28E-05	2.08E-01	2.65E+00	2.17E-05	4.35E-05
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	10	0.5	8.26E-05	3.53E-04	6.41E-03	2.62E-05	2.08E+00	1.39E-05	2.08E+00	2.08E-01	1.28E-05	2.08E-01	2.65E+00	2.17E-05	4.35E-05
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	25	0.5	2.06E-04	8.83E-04	1.60E-02	6.56E-05	5.20E+00	3.46E-05	5.20E+00	5.19E-01	3.19E-05	5.19E-01	6.63E+00	5.42E-05	1.09E-04

OFFSITE Mobile Emissions		ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	8.68E-02	1.40E+00	2.30E+00	1.42E-02	1.20E+00	1.45E-02	1.22E+00	3.23E-01	1.37E-02	3.37E-01	1.47E+03	2.64E-02	1.24E-01
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2.76E-02	5.45E-01	7.18E-01	5.07E-03	3.95E-01	5.27E-03	4.00E-01	1.07E-01	4.99E-03	1.12E-01	5.31E+02	1.21E-02	4.95E-02
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	1.11E-01	5.89E+00	2.41E+00	3.63E-02	1.86E+00	4.93E-02	1.91E+00	5.11E-01	4.70E-02	5.58E-01	3.84E+03	6.47E-02	5.02E-01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	5.92E-02	4.21E+00	8.10E-01	2.16E-02	8.65E-01	3.47E-02	8.99E-01	2.36E-01	3.32E-02	2.69E-01	2.28E+03	8.68E-03	3.37E-01
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	6.19E-02	2.71E+00	1.42E+00	1.80E-02	1.00E+00	2.29E-02	1.03E+00	2.76E-01	2.19E-02	2.98E-01	1.90E+03	3.88E-02	2.36E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	5.51E-02	3.31E+00	1.36E+00	1.98E-02	1.03E+00	2.83E-02	1.06E+00	2.81E-01	2.70E-02	3.07E-01	2.09E+03	1.90E-02	2.72E-01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2.57E-02	7.28E-01	7.51E-01	6.29E-03	4.47E-01	6.61E-03	4.53E-01	1.22E-01	6.27E-03	1.28E-01	6.64E+02	1.84E-02	6.79E-02
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	1.47E-02	5.91E-01	1.29E-01	3.51E-03	1.39E-01	4.51E-03	1.43E-01	3.99E-02	4.31E-03	4.42E-02	3.79E+02	1.37E-02	5.48E-02
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	6.60E-03	2.58E-02	4.03E-01	1.46E-03	1.90E-01	8.99E-04	1.91E-01	5.03E-02	8.28E-04	5.12E-02	1.48E+02	1.64E-03	2.69E-03
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	3.16E-02	7.90E-01	1.13E+00	7.58E-03	6.19E-01	7.94E-03	6.27E-01	1.67E-01	7.51E-03	1.74E-01	7.89E+02	1.35E-02	6.95E-02
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	3.61E-02	9.00E-01	5.87E-01	6.32E-03	3.73E-01	7.71E-03	3.80E-01	1.02E-01	7.34E-03	1.10E-01	6.69E+02	1.62E-02	8.00E-02
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	7.50E-02	2.19E+00	2.22E+00	1.79E-02	1.35E+00	2.06E-02	1.37E+00	3.65E-01	1.96E-02	3.84E-01	1.87E+03	3.09E-02	1.87E-01
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	3.00E-02	1.33E+00	7.22E-01	8.47E-03	5.08E-01	1.17E-02	5.20E-01	1.38E-01	1.11E-02	1.49E-01	8.90E+02	8.72E-03	1.08E-01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	7.50E-02	3.63E+00	2.00E+00	2.41E-02	1.44E+00	3.14E-02	1.47E+00	3.94E-01	2.99E-02	4.23E-01	2.54E+03	4.36E-02	3.07E-01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	4.96E-02	2.96E+00	1.23E+00	1.74E-02	9.52E-01	2.55E-02	9.77E-01	2.57E-01	2.43E-02	2.82E-01	1.83E+03	1.09E-02	2.35E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	4.01E-02	1.54E+00	1.18E+00	1.16E-02	7.80E-01	1.38E-02	7.94E-01	2.12E-01	1.31E-02	2.26E-01	1.22E+03	2.50E-02	1.34E-01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	3.10E-02	1.80E+00	7.71E-01	1.09E-02	5.98E-01	1.54E-02	6.14E-01	1.63E-01	1.47E-02	1.77E-01	1.15E+03	1.30E-02	1.47E-01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	1.69E-02	5.46E-01	4.78E-01	4.39E-03	3.07E-01	4.90E-03	3.12E-01	8.38E-02	4.65E-03	8.85E-02	4.63E+02	1.18E-02	4.93E-02
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	1.98E-02	5.34E-01	4.85E-01	4.33E-03	3.05E-01	4.80E-03	3.10E-01	8.33E-02	4.56E-03	8.78E-02	4.57E+02	1.19E-02	4.84E-02
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2.69E-02	8.32E-01	5.20E-01	5.69E-03	3.50E-01	7.22E-03	3.57E-01	9.55E-02	6.88E-03	1.02E-01	6.01E+02	1.18E-02	7.13E-02
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	3.23E-02	5.83E-01	1.05E+00	6.41E-03	5.84E-01	6.24E-03	5.91E-01	1.57E-01	5.89E-03	1.63E-01	6.66E+02	1.22E-02	5.20E-02
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	4.55E-02	1.54E+00	1.97E+00	1.42E-02	1.22E+00	1.53E-02	1.24E+00	3.29E-01	1.45E-02	3.44E-01	1.48E+03	2.11E-02	1.30E-01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	1.90E-02	1.07E+00	5.44E-01	6.56E-03	4.06E-01	9.40E-03	4.15E-01	1.09E-01	8.96E-03	1.18E-01	6.87E+02	3.36E-03	8.33E-02
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2.34E-02	7.06E-01	9.87E-01	6.88E-03	6.07E-01	7.14E-03	6.14E-01	1.63E-01	6.76E-03	1.70E-01	7.17E+02	1.19E-02	6.11E-02
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2.85E-02	8.88E-01	1.42E+00	9.05E-03	8.52E-01	9.47E-03	8.61E-01	2.27E-01	8.95E-03	2.36E-01	9.35E+02	8.64E-03	7.27E-02
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	1.65E-02	2.22E-01	9.22E-01	4.43E-03	5.15E-01	3.30E-03	5.19E-01	1.37E-01	3.09E-03	1.41E-01	4.55E+02	7.26E-03	2.14E-02
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	1.11E-02	1.77E-01	5.63E-01	2.91E-03	3.20E-01	2.32E-03	3.22E-01	8.55E-02	2.18E-03	8.77E-02	3.00E+02	5.39E-03	1.68E-02
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	1.25E-02	2.16E-01	6.50E-01	3.35E-03	3.69E-01	2.81E-03	3.71E-01	9.83E-02	2.64E-03	1.01E-01	3.45E+02	4.65E-03	1.93E-02
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	1.96E-02	2.68E-01	9.31E-01	4.61E-03	5.21E-01	3.69E-03	5.24E-01	1.39E-01	3.46E-03	1.42E-01	4.74E+02	6.90E-03	2.46E-02
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	1.97E-02	4.72E-01	5.26E-01	4.03E-03	3.25E-01	4.52E-03	3.30E-01	8.76E-02	4.28E-03	9.19E-02	4.21E+02	7.23E-03	4.02E-02
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	1.26E-02	1.27E-01	6.41E-01	2.88E-03	3.50E-01	2.11E-03	3.53E-01	9.32E-02	1.97E-03	9.52E-02	2.94E+02	3.59E-03	1.18E-02
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	1.13E-01	3.38E+00	2.27E+00	2.34E-02	1.60E+00	2.96E-02	1.62E+00	4.34E-01	2.82E-02	4.62E-01	2.46E+03	4.60E-02	2.81E-01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	3.05E-02	8.69E-01	4.98E-01	5.69E-03	3.59E-01	7.45E-03	3.67E-01	9.82E-02	7.10E-03	1.05E-01	6.02E+02	1.23E-02	7.25E-02
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	1.39E-01	1.00E+01	1.68E+00	5.16E-02	2.12E+00	8.00E-02	2.20E+00	5.93E-01	7.65E-02	6.70E-01	5.51E+03	1.03E-01	8.14E-01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	8.54E-02	4.10E+00	2.16E+00	2.56E-02	1.64E+00	3.56E-02	1.68E+00	4.43E-01	3.40E-02	4.77E-01	2.68E+03	2.54E-02	3.21E-01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	8.25E-02	4.61E+00	1.54E+00	2.70E-02	1.40E+00	3.77E-02	1.44E+00	3.88E-01	3.60E-02	4.24E-01	2.87E+03	6.34E-02	3.84E-01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	6.99E-02	5.70E+00	1.11E+00	2.87E-02	1.26E+00	4.63E-02	1.31E+00	3.47E-01	4.43E-02	3.91E-01	3.04E+03	2.76E-02	4.42E-01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	3.56E-02	1.22E+00	1.08E+00	1.01E-02	7.58E-01	1.10E-02	7.69E-01	2.07E-01	1.04E-02	2.18E-01	1.07E+03	3.08E-02	1.11E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	4.08E-02	1.09E+00	1.56E+00	1.12E-02	1.00E+00	1.08E-02	1.01E+00	2.71E-01	1.02E-02	2.81E-01	1.17E+03	2.87E-02	9.97E-02
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	1.33E-02	7.17E-01	1.14E-01	3.69E-03	1.45E-01	5.64E-03	1.50E-01	4.09E-02	5.40E-03	4.63E-02	3.96E+02	9.36E-03	5.94E-02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	4.24E-02	1.43E+00	7.64E-01	9.36E-03	5.76E-01	1.21E-02	5.89E-01	1.58E-01	1.15E-02	1.70E-01	9.92E+02	2.32E-02	1.21E-01
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2.37E-02	6.64E-01	4.67E-01	4.77E-03	3.27E-01	5.80E-03	3.33E-01	8.93E-02	5.52E-03	9.49E-02	5.04E+02	1.20E-02	5.71E-02
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	7.18E-02	2.20E+00	1.96E+00	1.70E-02	1.36E+00	2.01E-02	1.38E+00	3.68E-01	1.91E-02	3.87E-01	1.78E+03	2.99E-02	1.80E-01
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2.55E-02	6.19E-01	9.12E-01	6.29E-03	5.98E-01	6.24E-03	6.04E-01	1.61E-01	5.91E-03	1.67E-01	6.55E+02	1.22E-02	5.36E-02
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	8.46E-02	5.74E+00	1.56E+00	3.14E-02	1.58E+00	4.67E-02	1.62E+00	4.35E-01	4.46E-02	4.80E-01	3.33E+03	6.08E-02	4.60E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	6.34E-02	4.24E+00	1.60E+00	2.35E-02	1.39E+00	3.58E-02	1.42E+00	3.74E-01	3.42E-02	4.08E-01	2.47E+03	1.08E-02	3.16E-01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	4.95E-02	2.63E+00	1.19E+00	1.65E-02	1.00E+00	2.21E-02	1.03E+00	2.76E-01	2.11E-02	2.97E-01	1.75E+03	3.73E-02	2.17E-01
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	4.13E-02	3.25E+00	8.21E-01	1.69E-02	8.42E-01	2.66E-02	8.69E-01	2.30E-01	2.54E-02	2.56E-01	1.78E+03	1.64E-02	2.48E-01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2.04E-02	6.97E-01	6.97E-01	6.08E-03	4.94E-01	6.39E-03	5.00E-01	1.35E-01	6.07E-03	1.41E-01	6.41E+02	1.78E-02	6.31E-02
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	1.74E-02	5.93E-01	5.20E-01	4.88E-03	3.76E-01	5.30E-03	3.81E-01	1.03E-01	5.04E-03	1.08E-01	5.16E+02	1.50E-02	5.36E-02
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	1.03E-02	4.41E-02	8.01E-01	3.28E-03	4.75E-01	1.73E-03	4.77E-01	1.26E-01	1.59E-03	1.27E-01	3.32E+02	2.71E-03	5.43E-03
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	1.28E-02	7.12E-01	1.13E-01	3.62E-03	1.45E-01	5.60E-03	1.50E-01	4.09E-02	5.36E-03	4.62E-02	3.88E+02	9.36E-03	5.81E-02
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2.84E-02	8.71E-01	4.92E-01	5.79E-03	3.73E-01	7.38E-03	3.80E-01	1.02E-01	7.04E-03	1.09E-01	6.14E+02	1.54E-02	7.38E-02

							Haul Running Emission Factors												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission Factor (g/trip)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1085	4	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	208	1	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	7512	29	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	2191	8	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	5008	19	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	0	0	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	624	2	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	528	2	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	2107.5	8	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	1982	8	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	3677.75	14	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	5008	19	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	1095.5	4	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	2504	10	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	156	1	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	132	1	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	738.25	3	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	342	1	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	1565	6	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	1878	7	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	547.75	2	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	1252	5	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	0	0	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	0	0	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	156	1	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	132	1	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	426.25	2	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	78	0	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	3216.25	12	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	780	3	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	10955	42	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	6162	24	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	3834.25	15	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	8764	34	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	0	0	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	624	2	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	996	4	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	396	2	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	2170	8	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	364	1	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	6260	24	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	7512	29	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	2191	8	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	5008	19	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	0	0	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	0	0	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	0	0	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	624	2	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	528	2	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06

							Daily Emissions													
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1085	4	25	3.38E-06	1.09E-02	2.98E-05	2.49E-09	0.00E+00	3.57E-09	3.57E-09	0.00E+00	3.28E-09	3.28E-09	2.52E-04	1.73E-09	4.91E-08
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	208	1	25	6.47E-07	2.09E-03	5.71E-06	4.78E-10	0.00E+00	6.85E-10	6.85E-10	0.00E+00	6.30E-10	6.30E-10	4.83E-05	3.31E-10	9.41E-09
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	25	1.95E-05	6.30E-02	1.72E-04	1.44E-08	0.00E+00	2.06E-08	2.06E-08	0.00E+00	1.90E-08	1.90E-08	1.45E-03	9.97E-09	2.83E-07
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	7512	29	25	2.34E-05	7.56E-02	2.06E-04	1.73E-08	0.00E+00	2.47E-08	2.47E-08	0.00E+00	2.27E-08	2.27E-08	1.74E-03	1.20E-08	3.40E-07
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	2191	8	25	6.82E-06	2.21E-02	6.01E-05	5.03E-09	0.00E+00	7.21E-09	7.21E-09	0.00E+00	6.63E-09	6.63E-09	5.09E-04	3.49E-09	9.91E-08
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	5008	19	25	1.56E-05	5.04E-02	1.37E-04	1.15E-08	0.00E+00	1.65E-08	1.65E-08	0.00E+00	1.52E-08	1.52E-08	1.16E-03	7.97E-09	2.27E-07
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	624	2	25	1.94E-06	6.28E-03	1.71E-05	1.43E-09	0.00E+00	2.05E-09	2.05E-09	0.00E+00	1.89E-09	1.89E-09	1.45E-04	9.93E-10	2.82E-08
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	528	2	25	1.64E-06	5.32E-03	1.45E-05	1.21E-09	0.00E+00	1.74E-09	1.74E-09	0.00E+00	1.60E-09	1.60E-09	1.23E-04	8.41E-10	2.39E-08
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	2107.5	8	25	5.29E-06	2.12E-02	5.45E-05	4.60E-09	0.00E+00	5.88E-09	5.88E-09	0.00E+00	5.41E-09	5.41E-09	4.65E-04	3.34E-09	6.09E-08
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	1982	8	25	4.97E-06	1.99E-02	5.13E-05	4.33E-09	0.00E+00	5.53E-09	5.53E-09	0.00E+00	5.08E-09	5.08E-09	4.37E-04	3.14E-09	5.73E-08
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	3677.75	14	25	9.23E-06	3.70E-02	9.52E-05	8.03E-09	0.00E+00	1.03E-08	1.03E-08	0.00E+00	9.43E-09	9.43E-09	8.12E-04	5.82E-09	1.06E-07
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	5008	19	25	1.26E-05	5.04E-02	1.30E-04	1.09E-08	0.00E+00	1.40E-08	1.40E-08	0.00E+00	1.28E-08	1.28E-08	1.11E-03	7.93E-09	1.45E-07
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	1095.5	4	25	2.75E-06	1.10E-02	2.84E-05	2.39E-09	0.00E+00	3.06E-09	3.06E-09	0.00E+00	2.81E-09	2.81E-09	2.42E-04	1.73E-09	3.17E-08
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	2504	10	25	6.28E-06	2.52E-02	6.48E-05	5.47E-09	0.00E+00	6.99E-09	6.99E-09	0.00E+00	6.42E-09	6.42E-09	5.53E-04	3.96E-09	7.24E-08
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	156	1	25	3.91E-07	1.57E-03	4.04E-06	3.41E-10	0.00E+00	4.35E-10	4.35E-10	0.00E+00	4.00E-10	4.00E-10	3.44E-05	2.47E-10	4.51E-09
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	132	1	25	3.31E-07	1.33E-03	3.42E-06	2.88E-10	0.00E+00	3.68E-10	3.68E-10	0.00E+00	3.39E-10	3.39E-10	2.91E-05	2.09E-10	3.82E-09
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	738.25	3	25	1.85E-06	7.43E-03	1.91E-05	1.61E-09	0.00E+00	2.06E-09	2.06E-09	0.00E+00	1.89E-09	1.89E-09	1.63E-04	1.17E-09	2.13E-08
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	342	1	25	8.58E-07	3.44E-03	8.85E-06	7.47E-10	0.00E+00	9.54E-10	9.54E-10	0.00E+00	8.77E-10	8.77E-10	7.55E-05	5.41E-10	9.89E-09
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	1565	6	25	3.44E-06	1.57E-02	4.08E-05	3.37E-09	0.00E+00	4.05E-09	4.05E-09	0.00E+00	3.73E-09	3.73E-09	3.41E-04	2.46E-09	3.82E-08
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	1878	7	25	4.13E-06	1.89E-02	4.90E-05	4.04E-09	0.00E+00	4.87E-09	4.87E-09	0.00E+00	4.47E-09	4.47E-09	4.09E-04	2.95E-09	4.59E-08
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	547.75	2	25	1.21E-06	5.51E-03	1.43E-05	1.18E-09	0.00E+00	1.42E-09	1.42E-09	0.00E+00	1.30E-09	1.30E-09	1.19E-04	8.59E-10	1.34E-08
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	1252	5	25	2.75E-06	1.26E-02	3.27E-05	2.70E-09	0.00E+00	3.24E-09	3.24E-09	0.00E+00	2.98E-09	2.98E-09	2.72E-04	1.96E-09	3.06E-08
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	156	1	25	3.43E-07	1.57E-03	4.07E-06	3.36E-10	0.00E+00	4.04E-10	4.04E-10	0.00E+00	3.72E-10	3.72E-10	3.39E-05	2.45E-10	3.81E-09
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	132	1	25	2.90E-07	1.33E-03	3.44E-06	2.84E-10	0.00E+00	3.42E-10	3.42E-10	0.00E+00	3.14E-10	3.14E-10	2.87E-05	2.07E-10	3.22E-09
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	426.25	2	25	9.38E-07	4.29E-03	1.11E-05	9.18E-10	0.00E+00	1.10E-09	1.10E-09	0.00E+00	1.02E-09	1.02E-09	9.28E-05	6.69E-10	1.04E-08
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	78	0	25	1.72E-07	7.85E-04	2.03E-06	1.68E-10	0.00E+00	2.02E-10	2.02E-10	0.00E+00	1.86E-10	1.86E-10	1.70E-05	1.22E-10	1.90E-09
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	3216.25	12	25	6.49E-06	3.25E-02	8.41E-05	6.93E-09	0.00E+00	8.15E-09	8.15E-09	0.00E+00	7.49E-09	7.49E-09	7.00E-04	5.05E-09	6.58E-08
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	780	3	25	1.57E-06	7.88E-03	2.04E-05	1.68E-09	0.00E+00	1.98E-09	1.98E-09	0.00E+00	1.82E-09	1.82E-09	1.70E-04	1.22E-09	1.60E-08
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	10955	42	25	2.21E-05	1.11E-01	2.86E-04	2.36E-08	0.00E+00	2.78E-08	2.78E-08	0.00E+00	2.55E-08	2.55E-08	2.39E-03	1.72E-08	2.24E-07
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	6162	24	25	1.24E-05	6.23E-02	1.61E-04	1.33E-08	0.00E+00	1.56E-08	1.56E-08	0.00E+00	1.44E-08	1.44E-08	1.34E-03	9.68E-09	1.26E-07
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	3834.25	15	25	7.74E-06	3.87E-02	1.00E-04	8.26E-09	0.00E+00	9.72E-09	9.72E-09	0.00E+00	8.93E-09	8.93E-09	8.35E-04	6.02E-09	7.85E-08
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	8764	34	25	1.77E-05	8.85E-02	2.29E-04	1.89E-08	0.00E+00	2.22E-08	2.22E-08	0.00E+00	2.04E-08	2.04E-08	1.91E-03	1.38E-08	1.79E-07
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	624	2	25	1.26E-06	6.30E-03	1.63E-05	1.34E-09	0.00E+00	1.58E-09	1.58E-09	0.00E+00	1.45E-09	1.45E-09	1.36E-04	9.80E-10	1.28E-08
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	996	4	25	2.01E-06	1.01E-02	2.60E-05	2.15E-09	0.00E+00	2.52E-09	2.52E-09	0.00E+00	2.32E-09	2.32E-09	2.17E-04	1.56E-09	2.04E-08
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	396	2	25	7.99E-07	4.00E-03	1.04E-05	8.53E-10	0.00E+00	1.00E-09	1.00E-09	0.00E+00	9.23E-10	9.23E-10	8.62E-05	6.22E-10	8.11E-09
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	2170	8	25	3.90E-06	2.19E-02	5.63E-05	4.63E-09	0.00E+00	5.20E-09	5.20E-09	0.00E+00	4.78E-09	4.78E-09	4.68E-04	3.38E-09	3.73E-08
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	364	1	25	6.55E-07	3.67E-03	9.45E-06	7.77E-10	0.00E+00	8.73E-10	8.73E-10	0.00E+00	8.02E-10	8.02E-10	7.86E-05	5.67E-10	6.26E-09
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	6260	24	25	1.13E-05	6.30E-02	1.63E-04	1.34E-08	0.00E+00	1.50E-08	1.50E-08	0.00E+00	1.38E-08	1.38E-08	1.35E-03	9.75E-09	1.08E-07
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	7512	29	25	1.35E-05	7.57E-02	1.95E-04	1.60E-08	0.00E+00	1.80E-08	1.80E-08	0.00E+00	1.66E-08	1.66E-08	1.62E-03	1.17E-08	1.29E-07
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	2191	8	25	3.94E-06	2.21E-02	5.69E-05	4.68E-09	0.00E+00	5.25E-09	5.25E-09	0.00E+00	4.83E-09	4.83E-09	4.73E-04	3.41E-09	3.77E-08
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	5008	19	25	9.01E-06	5.04E-02	1.30E-04	1.07E-08	0.00E+00	1.20E-08	1.20E-08	0.00E+00	1.10E-08	1.10E-08	1.08E-03	7.80E-09	8.62E-08
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	624	2	25	1.12E-06	6.28E-03	1.62E-05	1.33E-09	0.00E+00	1.50E-09	1.50E-09	0.00E+00	1.38E-09	1.38E-09	1.35E-04	9.72E-10	1.07E-08
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	528	2	25	9.50E-07	5.32E-03	1.37E-05	1.13E-09	0.00E+00	1.27E-09	1.27E-09	0.00E+00	1.16E-09	1.16E-09	1.14E-04	8.23E-10	9.09E-09

							Haul Running Emission Factors												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission Factor (g/mile)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1085	4	25	1.85E-02	2.46E+00	1.99E-01	1.19E-02	3.96E-01	2.03E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	208	1	25	1.85E-02	2.46E+00	1.99E-01	1.19E-02	3.96E-01	2.03E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	25	1.85E-02	2.46E+00	1.99E-01	1.19E-02	3.96E-01	2.03E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	7512	29	25	1.85E-02	2.46E+00	1.99E-01	1.19E-02	3.96E-01	2.03E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	2191	8	25	1.85E-02	2.46E+00	1.99E-01	1.19E-02	3.96E-01	2.03E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	5008	19	25	1.85E-02	2.46E+00	1.99E-01	1.19E-02	3.96E-01	2.03E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	0	0	25	1.85E-02	2.46E+00	1.99E-01	1.19E-02	3.96E-01	2.03E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	25	1.85E-02	2.46E+00	1.99E-01	1.19E-02	3.96E-01	2.03E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	25	1.85E-02	2.46E+00	1.99E-01	1.19E-02	3.96E-01	2.03E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	624	2	25	1.85E-02	2.46E+00	1.99E-01	1.19E-02	3.96E-01	2.03E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	528	2	25	1.85E-02	2.46E+00	1.99E-01	1.19E-02	3.96E-01	2.03E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.26E+03	8.61E-04	1.99E-01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	2107.5	8	25	1.85E-02	2.46E+00	1.99E-01	1.17E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	1982	8	25	1.85E-02	2.46E+00	1.99E-01	1.17E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	3677.75	14	25	1.85E-02	2.46E+00	1.99E-01	1.17E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	5008	19	25	1.85E-02	2.46E+00	1.99E-01	1.17E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	1095.5	4	25	1.85E-02	2.46E+00	1.99E-01	1.17E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	2504	10	25	1.85E-02	2.46E+00	1.99E-01	1.17E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	156	1	25	1.85E-02	2.46E+00	1.99E-01	1.17E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	132	1	25	1.85E-02	2.46E+00	1.99E-01	1.17E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	25	1.85E-02	2.46E+00	1.99E-01	1.17E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	738.25	3	25	1.85E-02	2.46E+00	1.99E-01	1.17E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	342	1	25	1.85E-02	2.46E+00	1.99E-01	1.17E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.24E+03	8.61E-04	1.95E-01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	1565	6	25	1.85E-02	2.46E+00	1.99E-01	1.15E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	1878	7	25	1.85E-02	2.46E+00	1.99E-01	1.15E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	547.75	2	25	1.85E-02	2.46E+00	1.99E-01	1.15E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	1252	5	25	1.85E-02	2.46E+00	1.99E-01	1.15E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	0	0	25	1.85E-02	2.46E+00	1.99E-01	1.15E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	0	0	25	1.85E-02	2.46E+00	1.99E-01	1.15E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	156	1	25	1.85E-02	2.46E+00	1.99E-01	1.15E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	132	1	25	1.85E-02	2.46E+00	1.99E-01	1.15E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	25	1.85E-02	2.46E+00	1.99E-01	1.15E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	426.25	2	25	1.85E-02	2.46E+00	1.99E-01	1.15E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	78	0	25	1.85E-02	2.46E+00	1.99E-01	1.15E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.22E+03	8.61E-04	1.91E-01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	3216.25	12	25	1.85E-02	2.46E+00	1.99E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	780	3	25	1.85E-02	2.46E+00	1.99E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	10955	42	25	1.85E-02	2.46E+00	1.99E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	6162	24	25	1.85E-02	2.46E+00	1.99E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	3834.25	15	25	1.85E-02	2.46E+00	1.99E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	8764	34	25	1.85E-02	2.46E+00	1.99E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	0	0	25	1.85E-02	2.46E+00	1.99E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	25	1.85E-02	2.46E+00	1.99E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	624	2	25	1.85E-02	2.46E+00	1.99E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	996	4	25	1.85E-02	2.46E+00	1.99E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	396	2	25	1.85E-02	2.46E+00	1.99E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.19E+03	8.60E-04	1.87E-01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	2170	8	25	1.85E-02	2.46E+00	1.99E-01	1.10E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	364	1	25	1.85E-02	2.46E+00	1.99E-01	1.10E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	6260	24	25	1.85E-02	2.46E+00	1.99E-01	1.10E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	7512	29	25	1.85E-02	2.46E+00	1.99E-01	1.10E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	2191	8	25	1.85E-02	2.46E+00	1.99E-01	1.10E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	5008	19	25	1.85E-02	2.46E+00	1.99E-01	1.10E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	0	0	25	1.85E-02	2.46E+00	1.99E-01	1.10E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	0	0	25	1.85E-02	2.46E+00	1.99E-01	1.10E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	0	0	25	1.85E-02	2.46E+00	1.99E-01	1.10E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	624	2	25	1.85E-02	2.46E+00	1.99E-01	1.10E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	528	2	25	1.85E-02	2.46E+00	1.99E-01	1.10E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.17E+03	8.59E-04	1.83E-01

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1085	4	25	4.24E-03	5.64E-01	4.55E-02	2.74E-03	9.08E-02	4.66E-03	9.54E-02	2.49E-02	4.46E-03	2.93E-02	2.90E+02	1.97E-04	4.55E-02
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	208	1	25	8.14E-04	1.08E-01	8.72E-03	5.25E-04	1.74E-02	8.93E-04	1.83E-02	4.77E-03	8.55E-04	5.62E-03	5.55E+01	3.78E-05	8.73E-03
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	25	2.45E-02	3.26E+00	2.62E-01	1.58E-02	5.24E-01	2.69E-02	5.51E-01	1.43E-01	2.57E-02	1.69E-01	1.67E+03	1.14E-03	2.63E-01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	7512	29	25	2.94E-02	3.91E+00	3.15E-01	1.89E-02	6.28E-01	3.23E-02	6.61E-01	1.72E-01	3.09E-02	2.03E-01	2.01E+03	1.37E-03	3.15E-01
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	2191	8	25	8.57E-03	1.14E+00	9.19E-02	5.53E-03	1.83E-01	9.41E-03	1.93E-01	5.02E-02	9.00E-03	5.92E-02	5.85E+02	3.98E-04	9.19E-02
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	5008	19	25	1.96E-02	2.61E+00	2.10E-01	1.26E-02	4.19E-01	2.15E-02	4.40E-01	1.15E-01	2.06E-02	1.35E-01	1.34E+03	9.10E-04	2.10E-01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	624	2	25	2.44E-03	3.25E-01	2.62E-02	1.57E-03	5.22E-02	2.68E-03	5.49E-02	1.43E-02	2.56E-03	1.69E-02	1.67E+02	1.13E-04	2.62E-02
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	528	2	25	2.07E-03	2.75E-01	2.21E-02	1.33E-03	4.42E-02	2.27E-03	4.64E-02	1.21E-02	2.17E-03	1.43E-02	1.41E+02	9.59E-05	2.22E-02
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	2107.5	8	25	8.25E-03	1.10E+00	8.86E-02	5.22E-03	1.76E-01	9.03E-03	1.85E-01	4.83E-02	8.64E-03	5.70E-02	5.52E+02	3.83E-04	8.68E-02
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	1982	8	25	7.76E-03	1.03E+00	8.33E-02	4.91E-03	1.66E-01	8.50E-03	1.74E-01	4.54E-02	8.13E-03	5.36E-02	5.19E+02	3.60E-04	8.16E-02
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	3677.75	14	25	1.44E-02	1.91E+00	1.55E-01	9.10E-03	3.08E-01	1.58E-02	3.23E-01	8.43E-02	1.51E-02	9.94E-02	9.63E+02	6.69E-04	1.51E-01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	5008	19	25	1.96E-02	2.60E+00	2.10E-01	1.24E-02	4.19E-01	2.15E-02	4.40E-01	1.15E-01	2.05E-02	1.35E-01	1.31E+03	9.11E-04	2.06E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	1095.5	4	25	4.29E-03	5.70E-01	4.60E-02	2.71E-03	9.17E-02	4.70E-03	9.63E-02	2.51E-02	4.49E-03	2.96E-02	2.87E+02	1.99E-04	4.51E-02
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	2504	10	25	9.81E-03	1.30E+00	1.05E-01	6.20E-03	2.09E-01	1.07E-02	2.20E-01	5.74E-02	1.03E-02	6.77E-02	6.56E+02	4.55E-04	1.03E-01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	156	1	25	6.11E-04	8.11E-02	6.56E-03	3.86E-04	1.31E-02	6.69E-04	1.37E-02	3.58E-03	6.40E-04	4.22E-03	4.09E+01	2.84E-05	6.42E-03
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	132	1	25	5.17E-04	6.86E-02	5.55E-03	3.27E-04	1.10E-02	5.66E-04	1.16E-02	3.03E-03	5.41E-04	3.57E-03	3.46E+01	2.40E-05	5.44E-03
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	738.25	3	25	2.89E-03	3.84E-01	3.10E-02	1.83E-03	6.18E-02	3.16E-03	6.49E-02	1.69E-02	3.03E-03	2.00E-02	1.93E+02	1.34E-04	3.04E-02
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	342	1	25	1.34E-03	1.78E-01	1.44E-02	8.46E-04	2.86E-02	1.47E-03	3.01E-02	7.84E-03	1.40E-03	9.24E-03	8.96E+01	6.22E-05	1.41E-02
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	1565	6	25	6.13E-03	8.13E-01	6.59E-02	3.80E-03	1.31E-01	6.68E-03	1.38E-01	3.59E-02	6.39E-03	4.23E-02	4.02E+02	2.85E-04	6.31E-02
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	1878	7	25	7.35E-03	9.76E-01	7.90E-02	4.55E-03	1.57E-01	8.02E-03	1.65E-01	4.30E-02	7.67E-03	5.07E-02	4.82E+02	3.41E-04	7.58E-02
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	547.75	2	25	2.14E-03	2.85E-01	2.30E-02	1.33E-03	4.58E-02	2.34E-03	4.82E-02	1.26E-02	2.24E-03	1.48E-02	1.41E+02	9.96E-05	2.21E-02
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	1252	5	25	4.90E-03	6.51E-01	5.27E-02	3.04E-03	1.05E-01	5.35E-03	1.10E-01	2.87E-02	5.12E-03	3.38E-02	3.21E+02	2.28E-04	5.05E-02
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	156	1	25	6.11E-04	8.11E-02	6.56E-03	3.78E-04	1.31E-02	6.66E-04	1.37E-02	3.58E-03	6.37E-04	4.21E-03	4.00E+01	2.84E-05	6.29E-03
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	132	1	25	5.17E-04	6.86E-02	5.55E-03	3.20E-04	1.10E-02	5.64E-04	1.16E-02	3.03E-03	5.39E-04	3.57E-03	3.39E+01	2.40E-05	5.33E-03
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	426.25	2	25	1.67E-03	2.22E-01	1.79E-02	1.03E-03	3.57E-02	1.82E-03	3.75E-02	9.77E-03	1.74E-03	1.15E-02	1.09E+02	7.75E-05	1.72E-02
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	78	0	25	3.05E-04	4.05E-02	3.28E-03	1.89E-04	6.53E-03	3.33E-04	6.86E-03	1.79E-03	3.19E-04	2.11E-03	2.00E+01	1.42E-05	3.15E-03
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	3216.25	12	25	1.26E-02	1.68E+00	1.36E-01	7.67E-03	2.70E-01	1.37E-02	2.84E-01	7.40E-02	1.31E-02	8.71E-02	8.12E+02	5.87E-04	1.28E-01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	780	3	25	3.06E-03	4.07E-01	3.30E-02	1.86E-03	6.55E-02	3.33E-03	6.88E-02	1.79E-02	3.18E-03	2.11E-02	1.97E+02	1.42E-04	3.09E-02
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	10955	42	25	4.30E-02	5.72E+00	4.63E-01	2.61E-02	9.20E-01	4.67E-02	9.67E-01	2.52E-01	4.47E-02	2.97E-01	2.77E+03	2.00E-03	4.35E-01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	6162	24	25	2.42E-02	3.21E+00	2.60E-01	1.47E-02	5.18E-01	2.63E-02	5.44E-01	1.42E-01	2.52E-02	1.67E-01	1.56E+03	1.12E-03	2.44E-01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	3834.25	15	25	1.51E-02	2.00E+00	1.62E-01	9.14E-03	3.22E-01	1.64E-02	3.38E-01	8.82E-02	1.57E-02	1.04E-01	9.68E+02	6.99E-04	1.52E-01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	8764	34	25	3.44E-02	4.57E+00	3.70E-01	2.09E-02	7.36E-01	3.74E-02	7.73E-01	2.02E-01	3.58E-02	2.37E-01	2.21E+03	1.60E-03	3.48E-01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	624	2	25	2.45E-03	3.26E-01	2.64E-02	1.49E-03	5.24E-02	2.66E-03	5.51E-02	1.44E-02	2.55E-03	1.69E-02	1.57E+02	1.14E-04	2.48E-02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	996	4	25	3.91E-03	5.20E-01	4.21E-02	2.38E-03	8.36E-02	4.25E-03	8.79E-02	2.29E-02	4.07E-03	2.70E-02	2.51E+02	1.82E-04	3.95E-02
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	396	2	25	1.55E-03	2.07E-01	1.67E-02	9.44E-04	3.33E-02	1.69E-03	3.49E-02	9.11E-03	1.62E-03	1.07E-02	1.00E+02	7.22E-05	1.57E-02
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	2170	8	25	8.47E-03	1.13E+00	9.13E-02	5.05E-03	1.82E-01	9.16E-03	1.91E-01	4.97E-02	8.77E-03	5.85E-02	5.34E+02	3.93E-04	8.40E-02
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	364	1	25	1.42E-03	1.89E-01	1.53E-02	8.47E-04	3.05E-02	1.54E-03	3.20E-02	8.34E-03	1.47E-03	9.81E-03	8.97E+01	6.60E-05	1.41E-02
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	6260	24	25	2.44E-02	3.25E+00	2.63E-01	1.46E-02	5.24E-01	2.64E-02	5.50E-01	1.43E-01	2.53E-02	1.69E-01	1.54E+03	1.14E-03	2.42E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	7512	29	25	2.93E-02	3.90E+00	3.16E-01	1.75E-02	6.28E-01	3.17E-02	6.60E-01	1.72E-01	3.04E-02	2.03E-01	1.85E+03	1.36E-03	2.91E-01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	2191	8	25	8.55E-03	1.14E+00	9.21E-02	5.10E-03	1.83E-01	9.25E-03	1.93E-01	5.02E-02	8.85E-03	5.91E-02	5.40E+02	3.97E-04	8.48E-02
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	5008	19	25	1.95E-02	2.60E+00	2.11E-01	1.17E-02	4.19E-01	2.12E-02	4.40E-01	1.15E-01	2.02E-02	1.35E-01	1.23E+03	9.08E-04	1.94E-01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	624	2	25	2.44E-03	3.24E-01	2.62E-02	1.45E-03	5.22E-02	2.64E-03	5.48E-02	1.43E-02	2.52E-03	1.68E-02	1.54E+02	1.13E-04	2.42E-02
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	528	2	25	2.06E-03	2.74E-01	2.22E-02	1.23E-03	4.42E-02	2.23E-03	4.64E-02	1.21E-02	2.13E-03	1.42E-02	1.30E+02	9.57E-05	2.04E-02

						Vendor Starting Evaporative Emission Factors												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission Factor (g/trip)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	7	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	4	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	2	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	15	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	6	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	7	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	6	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	0	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	4	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	6	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9.75	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2.5	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	16.25	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2.5	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	9.25	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	4.5	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	4.5	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	4.5	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4.25	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	3.5	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	6.25	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	0.5	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	3.75	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	1.5	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	1.75	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	1.5	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	1	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	1.5	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	2.25	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	0.5	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	16.25	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	4.5	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	43.75	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	7.5	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	26.25	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	10.5	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	12.25	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	10.5	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	4	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	9	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	4.5	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	4	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	2	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	15	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	6	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	7	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	6	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	4	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	6	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03

						Daily Emissions													
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	7	25	15	6.74E-04	1.55E-02	4.12E-03	3.92E-07	0.00E+00	4.25E-07	4.25E-07	0.00E+00	3.91E-07	3.91E-07	3.97E-02	3.81E-05	3.15E-05
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	4	25	15	3.85E-04	8.88E-03	2.35E-03	2.24E-07	0.00E+00	2.43E-07	2.43E-07	0.00E+00	2.23E-07	2.23E-07	2.27E-02	2.18E-05	1.80E-05
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	25	15	2.41E-03	5.55E-02	1.47E-02	1.40E-06	0.00E+00	1.52E-06	1.52E-06	0.00E+00	1.39E-06	1.39E-06	1.42E-01	1.36E-04	1.12E-04
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	2	25	15	1.93E-04	4.44E-03	1.18E-03	1.12E-07	0.00E+00	1.21E-07	1.21E-07	0.00E+00	1.12E-07	1.12E-07	1.13E-02	1.09E-05	8.99E-06
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	15	25	15	1.44E-03	3.33E-02	8.83E-03	8.41E-07	0.00E+00	9.10E-07	9.10E-07	0.00E+00	8.37E-07	8.37E-07	8.50E-02	8.16E-05	6.74E-05
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	6	25	15	5.78E-04	1.33E-02	3.53E-03	3.36E-07	0.00E+00	3.64E-07	3.64E-07	0.00E+00	3.35E-07	3.35E-07	3.40E-02	3.26E-05	2.70E-05
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	7	25	15	6.74E-04	1.55E-02	4.12E-03	3.92E-07	0.00E+00	4.25E-07	4.25E-07	0.00E+00	3.91E-07	3.91E-07	3.97E-02	3.81E-05	3.15E-05
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	6	25	15	5.78E-04	1.33E-02	3.53E-03	3.36E-07	0.00E+00	3.64E-07	3.64E-07	0.00E+00	3.35E-07	3.35E-07	3.40E-02	3.26E-05	2.70E-05
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	4	25	15	3.85E-04	8.88E-03	2.35E-03	2.24E-07	0.00E+00	2.43E-07	2.43E-07	0.00E+00	2.23E-07	2.23E-07	2.27E-02	2.18E-05	1.80E-05
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	6	25	15	5.78E-04	1.33E-02	3.53E-03	3.36E-07	0.00E+00	3.64E-07	3.64E-07	0.00E+00	3.35E-07	3.35E-07	3.40E-02	3.26E-05	2.70E-05
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9.75	25	15	8.87E-04	2.17E-02	5.40E-03	5.25E-07	0.00E+00	5.75E-07	5.75E-07	0.00E+00	5.29E-07	5.29E-07	5.31E-02	5.07E-05	4.28E-05
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2.5	25	15	2.27E-04	5.56E-03	1.39E-03	1.35E-07	0.00E+00	1.47E-07	1.47E-07	0.00E+00	1.36E-07	1.36E-07	1.36E-02	1.30E-05	1.10E-05
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	16.25	25	15	1.48E-03	3.62E-02	9.01E-03	8.75E-07	0.00E+00	9.59E-07	9.59E-07	0.00E+00	8.81E-07	8.81E-07	8.85E-02	8.45E-05	7.13E-05
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2.5	25	15	2.27E-04	5.56E-03	1.39E-03	1.35E-07	0.00E+00	1.47E-07	1.47E-07	0.00E+00	1.36E-07	1.36E-07	1.36E-02	1.30E-05	1.10E-05
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	9.25	25	15	8.41E-04	2.06E-02	5.13E-03	4.98E-07	0.00E+00	5.46E-07	5.46E-07	0.00E+00	5.02E-07	5.02E-07	5.04E-02	4.81E-05	4.06E-05
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	4.5	25	15	4.09E-04	1.00E-02	2.49E-03	2.42E-07	0.00E+00	2.65E-07	2.65E-07	0.00E+00	2.44E-07	2.44E-07	2.45E-02	2.34E-05	1.98E-05
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	4.5	25	15	4.09E-04	1.00E-02	2.49E-03	2.42E-07	0.00E+00	2.65E-07	2.65E-07	0.00E+00	2.44E-07	2.44E-07	2.45E-02	2.34E-05	1.98E-05
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	4.5	25	15	4.09E-04	1.00E-02	2.49E-03	2.42E-07	0.00E+00	2.65E-07	2.65E-07	0.00E+00	2.44E-07	2.44E-07	2.45E-02	2.34E-05	1.98E-05
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4.25	25	15	3.87E-04	9.46E-03	2.36E-03	2.29E-07	0.00E+00	2.51E-07	2.51E-07	0.00E+00	2.30E-07	2.30E-07	2.31E-02	2.21E-05	1.87E-05
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	3.5	25	15	3.18E-04	7.79E-03	1.94E-03	1.89E-07	0.00E+00	2.06E-07	2.06E-07	0.00E+00	1.90E-07	1.90E-07	1.91E-02	1.82E-05	1.54E-05
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	6.25	25	15	5.39E-04	1.39E-02	3.28E-03	3.24E-07	0.00E+00	3.60E-07	3.60E-07	0.00E+00	3.31E-07	3.31E-07	3.27E-02	3.11E-05	2.68E-05
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	0.5	25	15	4.31E-05	1.12E-03	2.62E-04	2.59E-08	0.00E+00	2.88E-08	2.88E-08	0.00E+00	2.65E-08	2.65E-08	2.62E-03	2.49E-06	2.15E-06
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	3.75	25	15	3.24E-04	8.37E-03	1.97E-03	1.94E-07	0.00E+00	2.16E-07	2.16E-07	0.00E+00	1.98E-07	1.98E-07	1.96E-02	1.87E-05	1.61E-05
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	1.5	25	15	1.29E-04	3.35E-03	7.86E-04	7.77E-08	0.00E+00	8.63E-08	8.63E-08	0.00E+00	7.94E-08	7.94E-08	7.85E-03	7.47E-06	6.44E-06
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	1.75	25	15	1.51E-04	3.91E-03	9.17E-04	9.06E-08	0.00E+00	1.01E-07	1.01E-07	0.00E+00	9.26E-08	9.26E-08	9.16E-03	8.72E-06	7.52E-06
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	1.5	25	15	1.29E-04	3.35E-03	7.86E-04	7.77E-08	0.00E+00	8.63E-08	8.63E-08	0.00E+00	7.94E-08	7.94E-08	7.85E-03	7.47E-06	6.44E-06
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	1	25	15	8.63E-05	2.23E-03	5.24E-04	5.18E-08	0.00E+00	5.76E-08	5.76E-08	0.00E+00	5.29E-08	5.29E-08	5.23E-03	4.98E-06	4.30E-06
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	1.5	25	15	1.29E-04	3.35E-03	7.86E-04	7.77E-08	0.00E+00	8.63E-08	8.63E-08	0.00E+00	7.94E-08	7.94E-08	7.85E-03	7.47E-06	6.44E-06
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	2.25	25	15	1.94E-04	5.02E-03	1.18E-03	1.17E-07	0.00E+00	1.30E-07	1.30E-07	0.00E+00	1.19E-07	1.19E-07	1.18E-02	1.12E-05	9.66E-06
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	0.5	25	15	4.31E-05	1.12E-03	2.62E-04	2.59E-08	0.00E+00	2.88E-08	2.88E-08	0.00E+00	2.65E-08	2.65E-08	2.62E-03	2.49E-06	2.15E-06
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	16.25	25	15	1.34E-03	3.63E-02	8.12E-03	8.13E-07	0.00E+00	9.20E-07	9.20E-07	0.00E+00	8.46E-07	8.46E-07	8.22E-02	7.82E-05	6.87E-05
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	4.5	25	15	3.71E-04	1.01E-02	2.25E-03	2.25E-07	0.00E+00	2.55E-07	2.55E-07	0.00E+00	2.34E-07	2.34E-07	2.28E-02	2.17E-05	1.90E-05
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	43.75	25	15	3.60E-03	9.79E-02	2.19E-02	2.19E-06	0.00E+00	2.48E-06	2.48E-06	0.00E+00	2.28E-06	2.28E-06	2.21E-01	2.10E-04	1.85E-04
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	7.5	25	15	6.18E-04	1.68E-02	3.75E-03	3.75E-07	0.00E+00	4.25E-07	4.25E-07	0.00E+00	3.91E-07	3.91E-07	3.79E-02	3.61E-05	3.17E-05
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	26.25	25	15	2.16E-03	5.87E-02	1.31E-02	1.31E-06	0.00E+00	1.49E-06	1.49E-06	0.00E+00	1.37E-06	1.37E-06	1.33E-01	1.26E-04	1.11E-04
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	10.5	25	15	8.65E-04	2.35E-02	5.24E-03	5.26E-07	0.00E+00	5.95E-07	5.95E-07	0.00E+00	5.47E-07	5.47E-07	5.31E-02	5.05E-05	4.44E-05
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	12.25	25	15	1.01E-03	2.74E-02	6.12E-03	6.13E-07	0.00E+00	6.94E-07	6.94E-07	0.00E+00	6.38E-07	6.38E-07	6.20E-02	5.89E-05	5.18E-05
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	10.5	25	15	8.65E-04	2.35E-02	5.24E-03	5.26E-07	0.00E+00	5.95E-07	5.95E-07	0.00E+00	5.47E-07	5.47E-07	5.31E-02	5.05E-05	4.44E-05
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	4	25	15	3.30E-04	8.95E-03	2.00E-03	2.00E-07	0.00E+00	2.27E-07	2.27E-07	0.00E+00	2.08E-07	2.08E-07	2.02E-02	1.92E-05	1.69E-05
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	9	25	15	7.42E-04	2.01E-02	4.50E-03	4.50E-07	0.00E+00	5.10E-07	5.10E-07	0.00E+00	4.69E-07	4.69E-07	4.55E-02	4.33E-05	3.81E-05
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	4.5	25	15	3.71E-04	1.01E-02	2.25E-03	2.25E-07	0.00E+00	2.55E-07	2.55E-07	0.00E+00	2.34E-07	2.34E-07	2.28E-02	2.17E-05	1.90E-05
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	25	15	7.88E-04	2.24E-02	4.77E-03	4.85E-07	0.00E+00	5.59E-07	5.59E-07	0.00E+00	5.14E-07	5.14E-07	4.90E-02	4.66E-05	4.17E-05
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	4	25	15	3.15E-04	8.97E-03	1.91E-03	1.94E-07	0.00E+00	2.23E-07	2.23E-07	0.00E+00	2.05E-07	2.05E-07	1.96E-02	1.87E-05	1.67E-05
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	25	15	1.97E-03	5.61E-02	1.19E-02	1.21E-06	0.00E+00	1.40E-06	1.40E-06	0.00E+00	1.28E-06	1.28E-06	1.22E-01	1.17E-04	1.04E-04
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	2	25	15	1.58E-04	4.48E-03	9.55E-04	9.70E-08	0.00E+00	1.12E-07	1.12E-07	0.00E+00	1.03E-07	1.03E-07	9.80E-03	9.33E-06	8.35E-06
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	15	25	15	1.18E-03	3.36E-02	7.16E-03	7.27E-07	0.00E+00	8.38E-07	8.38E-07	0.00E+00	7.71E-07	7.71E-07	7.35E-02	6.99E-05	6.26E-05
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	6	25	15	4.73E-04	1.35E-02	2.86E-03	2.91E-07	0.00E+00	3.35E-07	3.35E-07	0.00E+00	3.08E-07	3.08E-07	2.94E-02	2.80E-05	2.50E-05
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	7	25	15	5.52E-04	1.57E-02	3.34E-03	3.39E-07	0.00E+00	3.91E-07	3.91E-07	0.00E+00	3.60E-07	3.60E-07	3.43E-02	3.26E-05	2.92E-05
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	6	25	15	4.73E-04	1.35E-02	2.86E-03	2.91E-07	0.00E+00	3.35E-07	3.35E-07	0.00E+00	3.08E-07	3.08E-07	2.94E-02	2.80E-05	2.50E-05
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	4	25	15	3.15E-04	8.97E-03	1.91E-03	1.94E-07	0.00E+00	2.23E-07	2.23E-07	0.00E+00	2.05E-07	2.05E-07	1.96E-02	1.87E-05	1.67E-05
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	6	25	15	4.73E-04	1.35E-02	2.86E-03	2.91E-07	0.00E+00	3.35E-07	3.35E-07	0.00E+00	3.08E-07	3.08E-07	2.94E-02	2.80E-05	2.50E-05

						Vendor Running Emission Factors												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission Factor (g/mile)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	7	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	4	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	2	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	15	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	6	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	7	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	6	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	0	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	4	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	6	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9.75	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2.5	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	16.25	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2.5	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	9.25	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	4.5	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	4.5	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	4.5	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4.25	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	3.5	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	6.25	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	0.5	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	3.75	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	1.5	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	1.75	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	1.5	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	1	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	1.5	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	2.25	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	0.5	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	16.25	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	4.5	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	43.75	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	7.5	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	26.25	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	10.5	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	12.25	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	10.5	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	4	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	9	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	4.5	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	4	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	2	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	15	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	6	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	7	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	6	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	4	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	6	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	7	25	15	6.63E-03	6.72E-01	1.20E-01	4.09E-03	1.62E-01	5.24E-03	1.67E-01	4.65E-02	5.01E-03	5.15E-02	4.42E+02	1.53E-02	6.36E-02
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	4	25	15	3.79E-03	3.84E-01	6.85E-02	2.34E-03	9.24E-02	2.99E-03	9.54E-02	2.66E-02	2.86E-03	2.94E-02	2.52E+02	8.77E-03	3.63E-02
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	25	15	2.37E-02	2.40E+00	4.28E-01	1.46E-02	5.78E-01	1.87E-02	5.96E-01	1.66E-01	1.79E-02	1.84E-01	1.58E+03	5.48E-02	2.27E-01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	2	25	15	1.90E-03	1.92E-01	3.43E-02	1.17E-03	4.62E-02	1.50E-03	4.77E-02	1.33E-02	1.43E-03	1.47E-02	1.26E+02	4.39E-03	1.82E-02
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	15	25	15	1.42E-02	1.44E+00	2.57E-01	8.77E-03	3.47E-01	1.12E-02	3.58E-01	9.96E-02	1.07E-02	1.10E-01	9.46E+02	3.29E-02	1.36E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	6	25	15	5.69E-03	5.76E-01	1.03E-01	3.51E-03	1.39E-01	4.49E-03	1.43E-01	3.99E-02	4.29E-03	4.41E-02	3.79E+02	1.32E-02	5.45E-02
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	7	25	15	6.63E-03	6.72E-01	1.20E-01	4.09E-03	1.62E-01	5.24E-03	1.67E-01	4.65E-02	5.01E-03	5.15E-02	4.42E+02	1.53E-02	6.36E-02
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	6	25	15	5.69E-03	5.76E-01	1.03E-01	3.51E-03	1.39E-01	4.49E-03	1.43E-01	3.99E-02	4.29E-03	4.41E-02	3.79E+02	1.32E-02	5.45E-02
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	4	25	15	3.79E-03	3.84E-01	6.85E-02	2.34E-03	9.24E-02	2.99E-03	9.54E-02	2.66E-02	2.86E-03	2.94E-02	2.52E+02	8.77E-03	3.63E-02
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	6	25	15	5.69E-03	5.76E-01	1.03E-01	3.51E-03	1.39E-01	4.49E-03	1.43E-01	3.99E-02	4.29E-03	4.41E-02	3.79E+02	1.32E-02	5.45E-02
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9.75	25	15	8.93E-03	9.28E-01	1.64E-01	5.59E-03	2.25E-01	7.28E-03	2.33E-01	6.48E-02	6.97E-03	7.17E-02	6.04E+02	2.14E-02	8.70E-02
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2.5	25	15	2.29E-03	2.38E-01	4.21E-02	1.43E-03	5.78E-02	1.87E-03	5.96E-02	1.66E-02	1.79E-03	1.84E-02	1.55E+02	5.50E-03	2.23E-02
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	16.25	25	15	1.49E-02	1.55E+00	2.73E-01	9.32E-03	3.75E-01	1.21E-02	3.88E-01	1.08E-01	1.16E-02	1.20E-01	1.01E+03	3.57E-02	1.45E-01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2.5	25	15	2.29E-03	2.38E-01	4.21E-02	1.43E-03	5.78E-02	1.87E-03	5.96E-02	1.66E-02	1.79E-03	1.84E-02	1.55E+02	5.50E-03	2.23E-02
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	9.25	25	15	8.48E-03	8.81E-01	1.56E-01	5.30E-03	2.14E-01	6.91E-03	2.21E-01	6.14E-02	6.61E-03	6.80E-02	5.73E+02	2.03E-02	8.25E-02
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	4.5	25	15	4.12E-03	4.28E-01	7.57E-02	2.58E-03	1.04E-01	3.36E-03	1.07E-01	2.99E-02	3.22E-03	3.31E-02	2.79E+02	9.89E-03	4.01E-02
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	4.5	25	15	4.12E-03	4.28E-01	7.57E-02	2.58E-03	1.04E-01	3.36E-03	1.07E-01	2.99E-02	3.22E-03	3.31E-02	2.79E+02	9.89E-03	4.01E-02
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	4.5	25	15	4.12E-03	4.28E-01	7.57E-02	2.58E-03	1.04E-01	3.36E-03	1.07E-01	2.99E-02	3.22E-03	3.31E-02	2.79E+02	9.89E-03	4.01E-02
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4.25	25	15	3.89E-03	4.05E-01	7.15E-02	2.44E-03	9.82E-02	3.17E-03	1.01E-01	2.82E-02	3.04E-03	3.13E-02	2.63E+02	9.35E-03	3.79E-02
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	3.5	25	15	3.21E-03	3.33E-01	5.89E-02	2.01E-03	8.09E-02	2.61E-03	8.35E-02	2.32E-02	2.50E-03	2.57E-02	2.17E+02	7.70E-03	3.12E-02
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	6.25	25	15	5.56E-03	5.89E-01	1.04E-01	3.51E-03	1.44E-01	4.65E-03	1.49E-01	4.15E-02	4.45E-03	4.60E-02	3.79E+02	1.37E-02	5.47E-02
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	0.5	25	15	4.44E-04	4.71E-02	8.29E-03	2.81E-04	1.16E-02	3.72E-04	1.19E-02	3.32E-03	3.56E-04	3.68E-03	3.03E+01	1.10E-03	4.38E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	3.75	25	15	3.33E-03	3.54E-01	6.22E-02	2.11E-03	8.66E-02	2.79E-03	8.94E-02	2.49E-02	2.67E-03	2.76E-02	2.27E+02	8.24E-03	3.28E-02
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	1.5	25	15	1.33E-03	1.41E-01	2.49E-02	8.42E-04	3.47E-02	1.12E-03	3.58E-02	9.96E-03	1.07E-03	1.10E-02	9.10E+01	3.30E-03	1.31E-02
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	1.75	25	15	1.56E-03	1.65E-01	2.90E-02	9.83E-04	4.04E-02	1.30E-03	4.17E-02	1.16E-02	1.25E-03	1.29E-02	1.06E+02	3.84E-03	1.53E-02
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	1.5	25	15	1.33E-03	1.41E-01	2.49E-02	8.42E-04	3.47E-02	1.12E-03	3.58E-02	9.96E-03	1.07E-03	1.10E-02	9.10E+01	3.30E-03	1.31E-02
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	1	25	15	8.89E-04	9.43E-02	1.66E-02	5.62E-04	2.31E-02	7.44E-04	2.38E-02	6.64E-03	7.12E-04	7.35E-03	6.07E+01	2.20E-03	8.75E-03
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	1.5	25	15	1.33E-03	1.41E-01	2.49E-02	8.42E-04	3.47E-02	1.12E-03	3.58E-02	9.96E-03	1.07E-03	1.10E-02	9.10E+01	3.30E-03	1.31E-02
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	2.25	25	15	2.00E-03	2.12E-01	3.73E-02	1.26E-03	5.20E-02	1.67E-03	5.37E-02	1.49E-02	1.60E-03	1.65E-02	1.36E+02	4.94E-03	1.97E-02
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	0.5	25	15	4.44E-04	4.71E-02	8.29E-03	2.81E-04	1.16E-02	3.72E-04	1.19E-02	3.32E-03	3.56E-04	3.68E-03	3.03E+01	1.10E-03	4.38E-03
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	16.25	25	15	1.41E-02	1.52E+00	2.67E-01	8.94E-03	3.75E-01	1.20E-02	3.87E-01	1.08E-01	1.15E-02	1.19E-01	9.67E+02	3.58E-02	1.40E-01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	4.5	25	15	3.90E-03	4.21E-01	7.39E-02	2.48E-03	1.04E-01	3.33E-03	1.07E-01	2.99E-02	3.19E-03	3.31E-02	2.68E+02	9.92E-03	3.87E-02
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	43.75	25	15	3.79E-02	4.09E+00	7.18E-01	2.41E-02	1.01E+00	3.24E-02	1.04E+00	2.91E-01	3.10E-02	3.22E-01	2.60E+03	9.64E-02	3.76E-01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	7.5	25	15	6.50E-03	7.01E-01	1.23E-01	4.13E-03	1.73E-01	5.56E-03	1.79E-01	4.98E-02	5.32E-03	5.51E-02	4.46E+02	1.65E-02	6.44E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	26.25	25	15	2.28E-02	2.46E+00	4.31E-01	1.44E-02	6.06E-01	1.95E-02	6.26E-01	1.74E-01	1.86E-02	1.93E-01	1.56E+03	5.78E-02	2.25E-01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	10.5	25	15	9.10E-03	9.82E-01	1.72E-01	5.78E-03	2.43E-01	7.78E-03	2.50E-01	6.97E-02	7.44E-03	7.72E-02	6.25E+02	2.31E-02	9.02E-02
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	12.25	25	15	1.06E-02	1.15E+00	2.01E-01	6.74E-03	2.83E-01	9.08E-03	2.92E-01	8.14E-02	8.68E-03	9.00E-02	7.29E+02	2.70E-02	1.05E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	10.5	25	15	9.10E-03	9.82E-01	1.72E-01	5.78E-03	2.43E-01	7.78E-03	2.50E-01	6.97E-02	7.44E-03	7.72E-02	6.25E+02	2.31E-02	9.02E-02
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	4	25	15	3.47E-03	3.74E-01	6.57E-02	2.20E-03	9.24E-02	2.96E-03	9.54E-02	2.66E-02	2.84E-03	2.94E-02	2.38E+02	8.81E-03	3.44E-02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	9	25	15	7.80E-03	8.42E-01	1.48E-01	4.95E-03	2.08E-01	6.67E-03	2.15E-01	5.98E-02	6.38E-03	6.62E-02	5.35E+02	1.98E-02	7.73E-02
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	4.5	25	15	3.90E-03	4.21E-01	7.39E-02	2.48E-03	1.04E-01	3.33E-03	1.07E-01	2.99E-02	3.19E-03	3.31E-02	2.68E+02	9.92E-03	3.87E-02
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	25	15	8.47E-03	9.27E-01	1.63E-01	5.40E-03	2.31E-01	7.37E-03	2.38E-01	6.64E-02	7.05E-03	7.35E-02	5.84E+02	2.21E-02	8.43E-02
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	4	25	15	3.39E-03	3.71E-01	6.52E-02	2.16E-03	9.24E-02	2.95E-03	9.54E-02	2.66E-02	2.82E-03	2.94E-02	2.33E+02	8.84E-03	3.37E-02
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	25	15	2.12E-02	2.32E+00	4.07E-01	1.35E-02	5.78E-01	1.84E-02	5.96E-01	1.66E-01	1.76E-02	1.84E-01	1.46E+03	5.53E-02	2.11E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	2	25	15	1.69E-03	1.85E-01	3.26E-02	1.08E-03	4.62E-02	1.47E-03	4.77E-02	1.33E-02	1.41E-03	1.47E-02	1.17E+02	4.42E-03	1.69E-02
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	15	25	15	1.27E-02	1.39E+00	2.44E-01	8.09E-03	3.47E-01	1.11E-02	3.58E-01	9.96E-02	1.06E-02	1.10E-01	8.75E+02	3.32E-02	1.26E-01
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	6	25	15	5.08E-03	5.56E-01	9.78E-02	3.24E-03	1.39E-01	4.42E-03	1.43E-01	3.99E-02	4.23E-03	4.41E-02	3.50E+02	1.33E-02	5.06E-02
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	7	25	15	5.93E-03	6.49E-01	1.14E-01	3.78E-03	1.62E-01	5.16E-03	1.67E-01	4.65E-02	4.94E-03	5.14E-02	4.09E+02	1.55E-02	5.90E-02
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	6	25	15	5.08E-03	5.56E-01	9.78E-02	3.24E-03	1.39E-01	4.42E-03	1.43E-01	3.99E-02	4.23E-03	4.41E-02	3.50E+02	1.33E-02	5.06E-02
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	4	25	15	3.39E-03	3.71E-01	6.52E-02	2.16E-03	9.24E-02	2.95E-03	9.54E-02	2.66E-02	2.82E-03	2.94E-02	2.33E+02	8.84E-03	3.37E-02
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	6	25	15	5.08E-03	5.56E-01	9.78E-02	3.24E-03	1.39E-01	4.42E-03	1.43E-01	3.99E-02	4.23E-03	4.41E-02	3.50E+02	1.33E-02	5.06E-02

Worker Starting Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission Factor (g/trip)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	25	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	10	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	10	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	0	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	10	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	25	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	35	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	13.75	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	26.25	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	16.25	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	15	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	10	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7.5	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	11.25	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	17.5	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	16.25	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	10	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	6.25	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	6.25	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	3.75	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	2.5	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	2.5	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	2.5	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	6.25	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	3.75	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	87.5	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	26.25	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	70	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	43.75	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	43.75	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	26.25	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	17.5	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	17.5	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	10	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	32.5	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	18.75	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	50	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	15	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	40	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	25	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	10	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	10	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	10	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	25	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	25	4.23E-02	9.85E-03	1.12E-01	2.94E-05	0.00E+00	9.74E-05	9.74E-05	0.00E+00	8.95E-05	8.95E-05	2.97E+00	2.55E-03	1.31E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	25	1.27E-02	2.95E-03	3.35E-02	8.83E-06	0.00E+00	2.92E-05	2.92E-05	0.00E+00	2.69E-05	2.69E-05	8.92E-01	7.65E-04	3.93E-04
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	25	3.38E-02	7.88E-03	8.94E-02	2.35E-05	0.00E+00	7.79E-05	7.79E-05	0.00E+00	7.16E-05	7.16E-05	2.38E+00	2.04E-03	1.05E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	25	25	2.12E-02	4.92E-03	5.59E-02	1.47E-05	0.00E+00	4.87E-05	4.87E-05	0.00E+00	4.48E-05	4.48E-05	1.49E+00	1.27E-03	6.55E-04
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	25	2.12E-02	4.92E-03	5.59E-02	1.47E-05	0.00E+00	4.87E-05	4.87E-05	0.00E+00	4.48E-05	4.48E-05	1.49E+00	1.27E-03	6.55E-04
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	25	1.27E-02	2.95E-03	3.35E-02	8.83E-06	0.00E+00	2.92E-05	2.92E-05	0.00E+00	2.69E-05	2.69E-05	8.92E-01	7.65E-04	3.93E-04
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	10	25	8.46E-03	1.97E-03	2.23E-02	5.88E-06	0.00E+00	1.95E-05	1.95E-05	0.00E+00	1.79E-05	1.79E-05	5.95E-01	5.10E-04	2.62E-04
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	10	25	8.46E-03	1.97E-03	2.23E-02	5.88E-06	0.00E+00	1.95E-05	1.95E-05	0.00E+00	1.79E-05	1.79E-05	5.95E-01	5.10E-04	2.62E-04
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	10	25	8.46E-03	1.97E-03	2.23E-02	5.88E-06	0.00E+00	1.95E-05	1.95E-05	0.00E+00	1.79E-05	1.79E-05	5.95E-01	5.10E-04	2.62E-04
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	25	25	2.12E-02	4.92E-03	5.59E-02	1.47E-05	0.00E+00	4.87E-05	4.87E-05	0.00E+00	4.48E-05	4.48E-05	1.49E+00	1.27E-03	6.55E-04
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	35	25	2.79E-02	6.46E-03	7.52E-02	1.99E-05	0.00E+00	6.52E-05	6.52E-05	0.00E+00	5.99E-05	5.99E-05	2.02E+00	1.65E-03	8.78E-04
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	13.75	25	1.09E-02	2.54E-03	2.95E-02	7.84E-06	0.00E+00	2.56E-05	2.56E-05	0.00E+00	2.35E-05	2.35E-05	7.92E-01	6.48E-04	3.45E-04
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	26.25	25	2.09E-02	4.84E-03	5.64E-02	1.50E-05	0.00E+00	4.89E-05	4.89E-05	0.00E+00	4.50E-05	4.50E-05	1.51E+00	1.24E-03	6.58E-04
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	16.25	25	1.29E-02	3.00E-03	3.49E-02	9.26E-06	0.00E+00	3.03E-05	3.03E-05	0.00E+00	2.78E-05	2.78E-05	9.36E-01	7.66E-04	4.07E-04
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	15	25	1.19E-02	2.77E-03	3.22E-02	8.55E-06	0.00E+00	2.79E-05	2.79E-05	0.00E+00	2.57E-05	2.57E-05	8.64E-01	7.07E-04	3.76E-04
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	10	25	7.96E-03	1.84E-03	2.15E-02	5.70E-06	0.00E+00	1.86E-05	1.86E-05	0.00E+00	1.71E-05	1.71E-05	5.76E-01	4.72E-04	2.51E-04
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7.5	25	5.97E-03	1.38E-03	1.61E-02	4.27E-06	0.00E+00	1.40E-05	1.40E-05	0.00E+00	1.28E-05	1.28E-05	4.32E-01	3.54E-04	1.88E-04
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	11.25	25	8.95E-03	2.07E-03	2.42E-02	6.41E-06	0.00E+00	2.10E-05	2.10E-05	0.00E+00	1.93E-05	1.93E-05	6.48E-01	5.31E-04	2.82E-04
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	17.5	25	1.39E-02	3.23E-03	3.76E-02	9.97E-06	0.00E+00	3.26E-05	3.26E-05	0.00E+00	3.00E-05	3.00E-05	1.01E+00	8.25E-04	4.39E-04
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	16.25	25	1.29E-02	3.00E-03	3.49E-02	9.26E-06	0.00E+00	3.03E-05	3.03E-05	0.00E+00	2.78E-05	2.78E-05	9.36E-01	7.66E-04	4.07E-04
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	10	25	7.51E-03	1.74E-03	2.07E-02	5.53E-06	0.00E+00	1.77E-05	1.77E-05	0.00E+00	1.63E-05	1.63E-05	5.59E-01	4.38E-04	2.41E-04
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	6.25	25	4.69E-03	1.09E-03	1.30E-02	3.46E-06	0.00E+00	1.11E-05	1.11E-05	0.00E+00	1.02E-05	1.02E-05	3.49E-01	2.74E-04	1.51E-04
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	6.25	25	4.69E-03	1.09E-03	1.30E-02	3.46E-06	0.00E+00	1.11E-05	1.11E-05	0.00E+00	1.02E-05	1.02E-05	3.49E-01	2.74E-04	1.51E-04
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	3.75	25	2.81E-03	6.52E-04	7.77E-03	2.07E-06	0.00E+00	6.63E-06	6.63E-06	0.00E+00	6.10E-06	6.10E-06	2.10E-01	1.64E-04	9.05E-05
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	2.5	25	1.88E-03	4.35E-04	5.18E-03	1.38E-06	0.00E+00	4.42E-06	4.42E-06	0.00E+00	4.06E-06	4.06E-06	1.40E-01	1.10E-04	6.03E-05
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	2.5	25	1.88E-03	4.35E-04	5.18E-03	1.38E-06	0.00E+00	4.42E-06	4.42E-06	0.00E+00	4.06E-06	4.06E-06	1.40E-01	1.10E-04	6.03E-05
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	2.5	25	1.88E-03	4.35E-04	5.18E-03	1.38E-06	0.00E+00	4.42E-06	4.42E-06	0.00E+00	4.06E-06	4.06E-06	1.40E-01	1.10E-04	6.03E-05
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	6.25	25	4.69E-03	1.09E-03	1.30E-02	3.46E-06	0.00E+00	1.11E-05	1.11E-05	0.00E+00	1.02E-05	1.02E-05	3.49E-01	2.74E-04	1.51E-04
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	25	9.38E-03	2.17E-03	2.59E-02	6.92E-06	0.00E+00	2.21E-05	2.21E-05	0.00E+00	2.03E-05	2.03E-05	6.99E-01	5.48E-04	3.02E-04
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	3.75	25	2.81E-03	6.52E-04	7.77E-03	2.07E-06	0.00E+00	6.63E-06	6.63E-06	0.00E+00	6.10E-06	6.10E-06	2.10E-01	1.64E-04	9.05E-05
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	87.5	25	6.20E-02	1.44E-02	1.76E-01	4.71E-05	0.00E+00	1.46E-04	1.46E-04	0.00E+00	1.34E-04	1.34E-04	4.76E+00	3.58E-03	2.04E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	26.25	25	1.86E-02	4.33E-03	5.27E-02	1.41E-05	0.00E+00	4.37E-05	4.37E-05	0.00E+00	4.02E-05	4.02E-05	1.43E+00	1.07E-03	6.12E-04
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	70	25	4.96E-02	1.15E-02	1.40E-01	3.77E-05	0.00E+00	1.17E-04	1.17E-04	0.00E+00	1.07E-04	1.07E-04	3.81E+00	2.86E-03	1.63E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	43.75	25	3.10E-02	7.22E-03	8.78E-02	2.36E-05	0.00E+00	7.29E-05	7.29E-05	0.00E+00	6.70E-05	6.70E-05	2.38E+00	1.79E-03	1.02E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	43.75	25	3.10E-02	7.22E-03	8.78E-02	2.36E-05	0.00E+00	7.29E-05	7.29E-05	0.00E+00	6.70E-05	6.70E-05	2.38E+00	1.79E-03	1.02E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	26.25	25	1.86E-02	4.33E-03	5.27E-02	1.41E-05	0.00E+00	4.37E-05	4.37E-05	0.00E+00	4.02E-05	4.02E-05	1.43E+00	1.07E-03	6.12E-04
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	17.5	25	1.24E-02	2.89E-03	3.51E-02	9.42E-06	0.00E+00	2.91E-05	2.91E-05	0.00E+00	2.68E-05	2.68E-05	9.52E-01	7.16E-04	4.08E-04
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	17.5	25	1.24E-02	2.89E-03	3.51E-02	9.42E-06	0.00E+00	2.91E-05	2.91E-05	0.00E+00	2.68E-05	2.68E-05	9.52E-01	7.16E-04	4.08E-04
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	10	25	7.09E-03	1.65E-03	2.01E-02	5.38E-06	0.00E+00	1.67E-05	1.67E-05	0.00E+00	1.53E-05	1.53E-05	5.44E-01	4.09E-04	2.33E-04
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	32.5	25	2.30E-02	5.36E-03	6.52E-02	1.75E-05	0.00E+00	5.41E-05	5.41E-05	0.00E+00	4.98E-05	4.98E-05	1.77E+00	1.33E-03	7.58E-04
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	18.75	25	1.33E-02	3.09E-03	3.76E-02	1.01E-05	0.00E+00	3.12E-05	3.12E-05	0.00E+00	2.87E-05	2.87E-05	1.02E+00	7.67E-04	4.37E-04
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	50	25	3.34E-02	7.86E-03	9.73E-02	2.62E-05	0.00E+00	7.84E-05	7.84E-05	0.00E+00	7.21E-05	7.21E-05	2.65E+00	1.91E-03	1.13E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	15	25	1.00E-02	2.36E-03	2.92E-02	7.87E-06	0.00E+00	2.35E-05	2.35E-05	0.00E+00	2.16E-05	2.16E-05	7.95E-01	5.74E-04	3.40E-04
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	40	25	2.67E-02	6.29E-03	7.78E-02	2.10E-05	0.00E+00	6.27E-05	6.27E-05	0.00E+00	5.77E-05	5.77E-05	2.12E+00	1.53E-03	9.06E-04
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	25	1.67E-02	3.93E-03	4.87E-02	1.31E-05	0.00E+00	3.92E-05	3.92E-05	0.00E+00	3.60E-05	3.60E-05	1.33E+00	9.57E-04	5.66E-04
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	25	25	1.67E-02	3.93E-03	4.87E-02	1.31E-05	0.00E+00	3.92E-05	3.92E-05	0.00E+00	3.60E-05	3.60E-05	1.33E+00	9.57E-04	5.66E-04
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	25	1.00E-02	2.36E-03	2.92E-02	7.87E-06	0.00E+00	2.35E-05	2.35E-05	0.00E+00	2.16E-05	2.16E-05	7.95E-01	5.74E-04	3.40E-04
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	10	25	6.68E-03	1.57E-03	1.95E-02	5.25E-06	0.00E+00	1.57E-05	1.57E-05	0.00E+00	1.44E-05	1.44E-05	5.30E-01	3.83E-04	2.26E-04
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	10	25	6.68E-03	1.57E-03	1.95E-02	5.25E-06	0.00E+00	1.57E-05	1.57E-05	0.00E+00	1.44E-05	1.44E-05	5.30E-01	3.83E-04	2.26E-04
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	10	25	6.68E-03	1.57E-03	1.95E-02	5.25E-06	0.00E+00	1.57E-05	1.57E-05	0.00E+00	1.44E-05	1.44E-05	5.30E-01	3.83E-04	2.26E-04
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	25	25	1.67E-02	3.93E-03	4.87E-02	1.31E-05	0.00E+00	3.92E-05	3.92E-05	0.00E+00	3.60E-05	3.60E-05	1.33E+00	9.57E-04	5.66E-04

					Worker Running Emission Factors												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission Factor (g/mile)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	10	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	25	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	15	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	10	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	25	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	10	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	50	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	15	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	40	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	25	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	25	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	15	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	10	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	10	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	10	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	25	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	50	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	12.5	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	25	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	37.5	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	25	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	15	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	17.5	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	25	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	17.5	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	50	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	10	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	10	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	50	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	25	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	15	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	25	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	40	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	0	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	15	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	10	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	50	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	25	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	37.5	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	25	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	17.5	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	12.5	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	25	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	0	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	10	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	25	3.30E-02	1.29E-01	2.02E+00	7.32E-03	9.50E-01	4.50E-03	9.54E-01	2.52E-01	4.14E-03	2.56E-01	7.40E+02	8.22E-03	1.35E-02
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	25	9.89E-03	3.87E-02	6.05E-01	2.19E-03	2.85E-01	1.35E-03	2.86E-01	7.55E-02	1.24E-03	7.68E-02	2.22E+02	2.47E-03	4.04E-03
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	25	2.64E-02	1.03E-01	1.61E+00	5.85E-03	7.60E-01	3.60E-03	7.63E-01	2.01E-01	3.31E-03	2.05E-01	5.92E+02	6.58E-03	1.08E-02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	10	25	6.60E-03	2.58E-02	4.03E-01	1.46E-03	1.90E-01	8.99E-04	1.91E-01	5.03E-02	8.28E-04	5.12E-02	1.48E+02	1.64E-03	2.69E-03
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	25	1.65E-02	6.45E-02	1.01E+00	3.66E-03	4.75E-01	2.25E-03	4.77E-01	1.26E-01	2.07E-03	1.28E-01	3.70E+02	4.11E-03	6.73E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	25	25	1.65E-02	6.45E-02	1.01E+00	3.66E-03	4.75E-01	2.25E-03	4.77E-01	1.26E-01	2.07E-03	1.28E-01	3.70E+02	4.11E-03	6.73E-03
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	15	25	9.89E-03	3.87E-02	6.05E-01	2.19E-03	2.85E-01	1.35E-03	2.86E-01	7.55E-02	1.24E-03	7.68E-02	2.22E+02	2.47E-03	4.04E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	10	25	6.60E-03	2.58E-02	4.03E-01	1.46E-03	1.90E-01	8.99E-04	1.91E-01	5.03E-02	8.28E-04	5.12E-02	1.48E+02	1.64E-03	2.69E-03
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	25	25	1.65E-02	6.45E-02	1.01E+00	3.66E-03	4.75E-01	2.25E-03	4.77E-01	1.26E-01	2.07E-03	1.28E-01	3.70E+02	4.11E-03	6.73E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	10	25	6.60E-03	2.58E-02	4.03E-01	1.46E-03	1.90E-01	8.99E-04	1.91E-01	5.03E-02	8.28E-04	5.12E-02	1.48E+02	1.64E-03	2.69E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	50	25	2.91E-02	1.16E-01	1.88E+00	7.09E-03	9.50E-01	4.26E-03	9.54E-01	2.52E-01	3.92E-03	2.56E-01	7.17E+02	7.34E-03	1.26E-02
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	15	25	8.73E-03	3.49E-02	5.65E-01	2.13E-03	2.85E-01	1.28E-03	2.86E-01	7.55E-02	1.18E-03	7.67E-02	2.15E+02	2.20E-03	3.79E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	40	25	2.33E-02	9.30E-02	1.51E+00	5.67E-03	7.60E-01	3.41E-03	7.63E-01	2.01E-01	3.14E-03	2.05E-01	5.73E+02	5.87E-03	1.01E-02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	25	25	1.45E-02	5.81E-02	9.42E-01	3.55E-03	4.75E-01	2.13E-03	4.77E-01	1.26E-01	1.96E-03	1.28E-01	3.58E+02	3.67E-03	6.32E-03
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	25	25	1.45E-02	5.81E-02	9.42E-01	3.55E-03	4.75E-01	2.13E-03	4.77E-01	1.26E-01	1.96E-03	1.28E-01	3.58E+02	3.67E-03	6.32E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	15	25	8.73E-03	3.49E-02	5.65E-01	2.13E-03	2.85E-01	1.28E-03	2.86E-01	7.55E-02	1.18E-03	7.67E-02	2.15E+02	2.20E-03	3.79E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	10	25	5.82E-03	2.32E-02	3.77E-01	1.42E-03	1.90E-01	8.52E-04	1.91E-01	5.03E-02	7.84E-04	5.11E-02	1.43E+02	1.47E-03	2.53E-03
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	10	25	5.82E-03	2.32E-02	3.77E-01	1.42E-03	1.90E-01	8.52E-04	1.91E-01	5.03E-02	7.84E-04	5.11E-02	1.43E+02	1.47E-03	2.53E-03
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	10	25	5.82E-03	2.32E-02	3.77E-01	1.42E-03	1.90E-01	8.52E-04	1.91E-01	5.03E-02	7.84E-04	5.11E-02	1.43E+02	1.47E-03	2.53E-03
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	25	25	1.45E-02	5.81E-02	9.42E-01	3.55E-03	4.75E-01	2.13E-03	4.77E-01	1.26E-01	1.96E-03	1.28E-01	3.58E+02	3.67E-03	6.32E-03
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	50	25	2.58E-02	1.05E-01	1.77E+00	6.89E-03	9.50E-01	4.00E-03	9.54E-01	2.52E-01	3.68E-03	2.55E-01	6.97E+02	6.59E-03	1.19E-02
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	12.5	25	6.45E-03	2.63E-02	4.44E-01	1.72E-03	2.37E-01	9.99E-04	2.38E-01	6.29E-02	9.19E-04	6.39E-02	1.74E+02	1.65E-03	2.98E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	25	25	1.29E-02	5.27E-02	8.87E-01	3.45E-03	4.75E-01	2.00E-03	4.77E-01	1.26E-01	1.84E-03	1.28E-01	3.48E+02	3.30E-03	5.97E-03
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	37.5	25	1.93E-02	7.90E-02	1.33E+00	5.17E-03	7.12E-01	3.00E-03	7.15E-01	1.89E-01	2.76E-03	1.92E-01	5.23E+02	4.95E-03	8.95E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	25	25	1.29E-02	5.27E-02	8.87E-01	3.45E-03	4.75E-01	2.00E-03	4.77E-01	1.26E-01	1.84E-03	1.28E-01	3.48E+02	3.30E-03	5.97E-03
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	15	25	7.74E-03	3.16E-02	5.32E-01	2.07E-03	2.85E-01	1.20E-03	2.86E-01	7.55E-02	1.10E-03	7.66E-02	2.09E+02	1.98E-03	3.58E-03
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	17.5	25	9.03E-03	3.69E-02	6.21E-01	2.41E-03	3.32E-01	1.40E-03	3.34E-01	8.81E-02	1.29E-03	8.94E-02	2.44E+02	2.31E-03	4.18E-03
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	25	25	1.29E-02	5.27E-02	8.87E-01	3.45E-03	4.75E-01	2.00E-03	4.77E-01	1.26E-01	1.84E-03	1.28E-01	3.48E+02	3.30E-03	5.97E-03
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	25	6.45E-03	2.63E-02	4.44E-01	1.72E-03	2.37E-01	9.99E-04	2.38E-01	6.29E-02	9.19E-04	6.39E-02	1.74E+02	1.65E-03	2.98E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	17.5	25	9.03E-03	3.69E-02	6.21E-01	2.41E-03	3.32E-01	1.40E-03	3.34E-01	8.81E-02	1.29E-03	8.94E-02	2.44E+02	2.31E-03	4.18E-03
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	50	25	2.31E-02	9.62E-02	1.68E+00	6.72E-03	9.50E-01	3.72E-03	9.53E-01	2.52E-01	3.42E-03	2.55E-01	6.79E+02	5.97E-03	1.14E-02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	10	25	4.61E-03	1.92E-02	3.36E-01	1.34E-03	1.90E-01	7.44E-04	1.91E-01	5.03E-02	6.84E-04	5.10E-02	1.36E+02	1.19E-03	2.27E-03
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	10	25	4.61E-03	1.92E-02	3.36E-01	1.34E-03	1.90E-01	7.44E-04	1.91E-01	5.03E-02	6.84E-04	5.10E-02	1.36E+02	1.19E-03	2.27E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	50	25	2.31E-02	9.62E-02	1.68E+00	6.72E-03	9.50E-01	3.72E-03	9.53E-01	2.52E-01	3.42E-03	2.55E-01	6.79E+02	5.97E-03	1.14E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	25	25	1.15E-02	4.81E-02	8.41E-01	3.36E-03	4.75E-01	1.86E-03	4.77E-01	1.26E-01	1.71E-03	1.28E-01	3.39E+02	2.99E-03	5.68E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	15	25	6.92E-03	2.89E-02	5.05E-01	2.01E-03	2.85E-01	1.12E-03	2.86E-01	7.55E-02	1.03E-03	7.65E-02	2.04E+02	1.79E-03	3.41E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	25	25	1.15E-02	4.81E-02	8.41E-01	3.36E-03	4.75E-01	1.86E-03	4.77E-01	1.26E-01	1.71E-03	1.28E-01	3.39E+02	2.99E-03	5.68E-03
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	40	25	1.84E-02	7.70E-02	1.35E+00	5.37E-03	7.60E-01	2.98E-03	7.63E-01	2.01E-01	2.74E-03	2.04E-01	5.43E+02	4.78E-03	9.09E-03
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	15	25	6.92E-03	2.89E-02	5.05E-01	2.01E-03	2.85E-01	1.12E-03	2.86E-01	7.55E-02	1.03E-03	7.65E-02	2.04E+02	1.79E-03	3.41E-03
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	10	25	4.61E-03	1.92E-02	3.36E-01	1.34E-03	1.90E-01	7.44E-04	1.91E-01	5.03E-02	6.84E-04	5.10E-02	1.36E+02	1.19E-03	2.27E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	50	25	2.06E-02	8.83E-02	1.60E+00	6.56E-03	9.50E-01	3.46E-03	9.53E-01	2.52E-01	3.19E-03	2.55E-01	6.63E+02	5.42E-03	1.09E-02
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	25	25	1.03E-02	4.41E-02	8.01E-01	3.28E-03	4.75E-01	1.73E-03	4.77E-01	1.26E-01	1.59E-03	1.27E-01	3.32E+02	2.71E-03	5.43E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	25	1.03E-02	4.41E-02	8.01E-01	3.28E-03	4.75E-01	1.73E-03	4.77E-01	1.26E-01	1.59E-03	1.27E-01	3.32E+02	2.71E-03	5.43E-03
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	37.5	25	1.55E-02	6.62E-02	1.20E+00	4.92E-03	7.12E-01	2.60E-03	7.15E-01	1.89E-01	2.39E-03	1.91E-01	4.97E+02	4.06E-03	8.15E-03
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	25	25	1.03E-02	4.41E-02	8.01E-01	3.28E-03	4.75E-01	1.73E-03	4.77E-01	1.26E-01	1.59E-03	1.27E-01	3.32E+02	2.71E-03	5.43E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	25	6.19E-03	2.65E-02	4.80E-01	1.97E-03	2.85E-01	1.04E-03	2.86E-01	7.55E-02	9.56E-04	7.65E-02	1.99E+02	1.63E-03	3.26E-03
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	17.5	25	7.22E-03	3.09E-02	5.61E-01	2.30E-03	3.32E-01	1.21E-03	3.34E-01	8.81E-02	1.12E-03	8.92E-02	2.32E+02	1.90E-03	3.80E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	12.5	25	5.16E-03	2.21E-02	4.00E-01	1.64E-03	2.37E-01	8.66E-04	2.38E-01	6.29E-02	7.97E-04	6.37E-02	1.66E+02	1.35E-03	2.72E-03
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	25	25	1.03E-02	4.41E-02	8.01E-01	3.28E-03	4.75E-01	1.73E-03	4.77E-01	1.26E-01	1.59E-03	1.27E-01	3.32E+02	2.71E-03	5.43E-03
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	10	25	4.13E-03	1.77E-02	3.20E-01	1.31E-03	1.90E-01	6.93E-04	1.91E-01	5.03E-02	6.38E-04	5.10E-02	1.33E+02	1.08E-03	2.17E-03

World Logistics Center-Construction Plots 5,10,8,6,7, and 11 (2025-2029)-Mitigated

South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	40,600.00	1000sqft	2,419.90	40,600,000.00	0
Parking Lot	123.60	Acre	123.60	5,384,016.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Construction Assumptions

Construction Phase - Project schedule

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	290.00
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tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	57.3252	506.4920	558.6074	1.2520	84.4630	20.2971	104.7601	42.3698	18.7015	61.0713	0.0000	121,034.2015	121,034.2015	38.6270	0.0000	121,999.8771
2026	43.4934	388.0687	386.2242	0.9035	55.8956	15.3986	71.2942	25.9853	14.1824	40.1676	0.0000	87,357.3429	87,357.3429	27.9789	0.0000	88,056.8163
2027	41.5927	374.4787	365.2279	0.8327	36.2469	14.8609	51.1078	17.2137	13.6876	30.9014	0.0000	80,508.9720	80,508.9720	25.7640	0.0000	81,153.0729
2028	42.9178	387.1008	379.3050	0.8547	49.1209	15.4335	64.5545	18.6038	14.2129	32.8167	0.0000	82,664.2401	82,664.2401	26.4763	0.0000	83,326.1488
2029	40.7972	367.6575	362.6245	0.8116	54.6563	14.6338	69.2901	19.2015	13.4772	32.6787	0.0000	78,488.7647	78,488.7647	25.1259	0.0000	79,116.9126
Maximum	**57.3252**	**506.4920**	**558.6074**	**1.2520**	**84.4630**	**20.2971**	**104.7601**	**42.3698**	**18.7015**	**61.0713**	**0.0000**	**121,034.2015**	**121,034.2015**	**38.6270**	**0.0000**	**121,999.8771**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	19.8897	103.1829	693.4627	1.2520	32.9406	2.4733	35.4139	16.5242	2.4407	18.9649	0.0000	121,034.2014	121,034.2014	38.6270	0.0000	121,999.8770
2026	14.8910	69.5451	479.7852	0.9035	21.7993	1.7593	23.5585	10.1343	1.7378	11.8721	0.0000	87,357.3428	87,357.3428	27.9789	0.0000	88,056.8163
2027	13.9912	64.6498	443.9255	0.8327	14.1363	1.6429	15.7791	6.7134	1.6215	8.3348	0.0000	80,508.9719	80,508.9719	25.7640	0.0000	81,153.0728
2028	14.2270	66.4702	456.7430	0.8547	19.1572	1.6605	20.8177	7.2555	1.6391	8.8946	0.0000	82,664.2401	82,664.2401	26.4763	0.0000	83,326.1487
2029	13.6892	64.1810	436.9315	0.8116	21.3160	1.5901	22.9061	7.4886	1.5687	9.0573	0.0000	78,488.7647	78,488.7647	25.1259	0.0000	79,116.9125
Maximum	**19.8897**	**103.1829**	**693.4627**	**1.2520**	**32.9406**	**2.4733**	**35.4139**	**16.5242**	**2.4407**	**18.9649**	**0.0000**	**121,034.2014**	**121,034.2014**	**38.6270**	**0.0000**	**121,999.8770**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**66.09**	**81.81**	**-22.36**	**0.00**	**61.00**	**88.68**	**67.18**	**61.00**	**87.87**	**71.10**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	909.6882	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Energy	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
Total	**912.1233**	**22.1746**	**22.7268**	**0.1331**		**1.6971**	**1.6971**		**1.6971**	**1.6971**		**26,573.9407**	**26,573.9407**	**0.5321**	**0.4870**	**26,732.3774**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	909.6882	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Energy	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
Total	**912.1233**	**22.1746**	**22.7268**	**0.1331**		**1.6971**	**1.6971**		**1.6971**	**1.6971**		**26,573.9407**	**26,573.9407**	**0.5321**	**0.4870**	**26,732.3774**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Plots 5 and 10 (2025) Mass Excavation	Grading	1/1/2025	12/31/2025	5	261	11
2	Plots 5 and 10 (2025) Finish Grading	Grading	1/1/2025	12/31/2025	5	261	12
3	Plots 5 and 10 (2025) Utilities	Trenching	1/1/2025	12/31/2025	5	261	13
4	Plots 5 and 10 (2025) Building-Concrete	Building Construction	1/1/2025	12/31/2025	5	261	14
5	Plots 5 and 10 (2025) Building-Wet Utilities	Building Construction	1/1/2025	12/31/2025	5	261	15
6	Plots 5 and 10 (2025) Building-Electrical	Building Construction	1/1/2025	12/31/2025	5	261	16
7	Plots 5 and 10 (2025) Building-Landscaping	Building Construction	1/1/2025	12/31/2025	5	261	17
8	Plots 5 and 10 (2025) Landscaping	Building Construction	1/1/2025	12/31/2025	5	261	19
9	Plots 5 and 10 (2025) Temporary Utilities	Building Construction	1/1/2025	12/31/2025	5	261	20
10	Plots 5 and 10 (2025) Curbing/Drive Approaches	Paving	1/1/2025	12/31/2025	5	261	21
11	Plots 5 and 10 (2025) Paving	Paving	1/1/2025	12/31/2025	5	261	22
12	Plots 10 and 8 (2026) Mass Excavation	Grading	1/1/2026	12/31/2026	5	261	23
13	Plots 10 and 8 (2026) Finish Grading	Grading	1/1/2026	12/31/2026	5	261	24
14	Plots 10 and 8 (2026) Utilities	Trenching	1/1/2026	12/31/2026	5	261	25
15	Plots 10 and 8 (2026) Building-Concrete	Building Construction	1/1/2026	12/31/2026	5	261	26
16	Plots 10 and 8 (2026) Building-Wet Utilities	Building Construction	1/1/2026	12/31/2026	5	261	27
17	Plots 10 and 8 (2026) Building-Electrical	Building Construction	1/1/2026	12/31/2026	5	261	28
18	Plots 10 and 8 (2026) Building-Landscaping	Building Construction	1/1/2026	12/31/2026	5	261	29
19	Plots 10 and 8 (2026) Landscaping	Building Construction	1/1/2026	12/31/2026	5	261	30
20	Plots 10 and 8 (2026) Temporary Utilities	Building Construction	1/1/2026	12/31/2026	5	261	31
21	Plots 10 and 8 (2026) Curbing/Drive Approaches	Paving	1/1/2026	12/31/2026	5	261	32
22	Plots 10 and 8 (2026) Paving	Paving	1/1/2026	12/31/2026	5	261	33
23	Plot 8 (2027) Mass Excavation	Grading	1/1/2027	12/31/2027	5	261	34
24	Plot 8 (2027) Finish Grading	Grading	1/1/2027	12/31/2027	5	261	35
25	Plot 8 (2027) Utilities	Trenching	1/1/2027	12/31/2027	5	261	36
26	Plot 8 (2027) Building-Concrete	Building Construction	1/1/2027	12/31/2027	5	261	37
27	Plot 8 (2027) Building-Wet Utilities	Building Construction	1/1/2027	12/31/2027	5	261	38

28	Plot 8 (2027) Building-Electrical	Building Construction	1/1/2027	12/31/2027	5	261	39
29	Plot 8 (2027) Building-Landscaping	Building Construction	1/1/2027	12/31/2027	5	261	40
30	Plot 8 (2027) Landscaping	Building Construction	1/1/2027	12/31/2027	5	261	41
31	Plot 8 (2027) Temporary Utilities	Building Construction	1/1/2027	12/31/2027	5	261	42
32	Plot 8 (2027) Curbing/Drive Approaches	Paving	1/1/2027	12/31/2027	5	261	43
33	Plot 8 (2027) Paving	Paving	1/1/2027	12/31/2027	5	261	44
34	Plots 11 and 6,7 (2028) Mass Excavation	Grading	1/1/2028	12/31/2028	5	260	45
35	Plots 11 and 6,7 (2028) Finish Grading	Grading	1/1/2028	12/31/2028	5	260	46
36	Plots 11 and 6,7 (2028) Utilities	Trenching	1/1/2028	12/31/2028	5	260	47
37	Plots 11 and 6,7 (2028) Building-Concrete	Building Construction	1/1/2028	12/31/2028	5	260	48
38	Plots 11 and 6,7 (2028) Building-Wet Utilities	Building Construction	1/1/2028	12/31/2028	5	260	49
39	Plots 11 and 6,7 (2028) Building-Electrical	Building Construction	1/1/2028	12/31/2028	5	260	50
40	Plots 11 and 6,7 (2028) Building-Landscaping	Building Construction	1/1/2028	12/31/2028	5	260	51
41	Plots 11 and 6,7 (2028) Landscaping	Building Construction	1/1/2028	12/31/2028	5	260	52
42	Plots 11 and 6,7 (2028) Temporary Utilities	Building Construction	1/1/2028	12/31/2028	5	260	53
43	Plots 11 and 6,7 (2028) Curbing/Drive Approaches	Paving	1/1/2028	12/31/2028	5	260	54
44	Plots 11 and 6,7 (2028) Paving	Paving	1/1/2028	12/31/2028	5	260	55
45	Plot 11 (2029) Mass Excavation	Grading	1/1/2029	12/31/2029	5	261	56
46	Plot 11 (2029) Finish Grading	Grading	1/1/2029	12/31/2029	5	261	57
47	Plot 11 (2029) Utilities	Trenching	1/1/2029	12/31/2029	5	261	58
48	Plot 11 (2029) Building-Concrete	Building Construction	1/1/2029	12/31/2029	5	261	59
49	Plot 11 (2029) Building-Wet Utilities	Building Construction	1/1/2029	12/31/2029	5	261	60
50	Plot 11 (2029) Building-Electrical	Building Construction	1/1/2029	12/31/2029	5	261	61
51	Plot 11 (2029) Building-Landscaping	Building Construction	1/1/2029	12/31/2029	5	261	62
52	Plot 11 (2029) Landscaping	Building Construction	1/1/2029	12/31/2029	5	261	63
53	Plot 11 (2029) Temporary Utilities	Building Construction	1/1/2029	12/31/2029	5	261	64
54	Plot 11 (2029) Curbing/Drive Approaches	Paving	1/1/2029	12/31/2029	5	261	65
55	Plot 11 (2029) Paving	Paving	1/1/2029	12/31/2029	5	261	66

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 123.6

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Plots 5 and 10 (2025) Mass Excavation	Graders	1	10.00	193	0.41
Plots 5 and 10 (2025) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plots 5 and 10 (2025) Mass Excavation	Other Material Handling Equipment	4	1.00	167	0.40
Plots 5 and 10 (2025) Mass Excavation	Other Material Handling Equipment	4	1.00	167	0.40
Plots 5 and 10 (2025) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 5 and 10 (2025) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 5 and 10 (2025) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 5 and 10 (2025) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 5 and 10 (2025) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plots 5 and 10 (2025) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plots 5 and 10 (2025) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plots 5 and 10 (2025) Mass Excavation	Rubber Tired Dozers	3	10.00	85	0.40
Plots 5 and 10 (2025) Mass Excavation	Scrapers	2	10.00	550	0.48
Plots 5 and 10 (2025) Mass Excavation	Scrapers	7	10.00	550	0.48
Plots 5 and 10 (2025) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 5 and 10 (2025) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 5 and 10 (2025) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 5 and 10 (2025) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plots 5 and 10 (2025) Finish Grading	Rubber Tired Dozers	3	10.00	85	0.40
Plots 5 and 10 (2025) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 5 and 10 (2025) Utilities	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 5 and 10 (2025) Utilities	Excavators	2	10.00	523	0.38
Plots 5 and 10 (2025) Utilities	Excavators	10	10.00	286	0.38
Plots 5 and 10 (2025) Utilities	Excavators	2	10.00	190	0.38
Plots 5 and 10 (2025) Utilities	Excavators	4	10.00	396	0.38
Plots 5 and 10 (2025) Utilities	Excavators	2	10.00	190	0.38
Plots 5 and 10 (2025) Utilities	Excavators	2	10.00	188	0.38

Plots 5 and 10 (2025) Utilities	Excavators	8	10.00	40	0.38
Plots 5 and 10 (2025) Utilities	Forklifts	4	10.00	89	0.20
Plots 5 and 10 (2025) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 5 and 10 (2025) Utilities	Other Material Handling Equipment	18	1.00	167	0.40
Plots 5 and 10 (2025) Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 5 and 10 (2025) Utilities	Tractors/Loaders/Backhoes	8	10.00	90	0.37
Plots 5 and 10 (2025) Building-Concrete	Cement and Mortar Mixers	20	1.00	9	0.56
Plots 5 and 10 (2025) Building-Concrete	Other Material Handling Equipment	2	1.00	167	0.40
Plots 5 and 10 (2025) Building-Concrete	Pumps	2	10.00	84	0.74
Plots 5 and 10 (2025) Building-Concrete	Tractors/Loaders/Backhoes	6	10.00	90	0.37
Plots 5 and 10 (2025) Building-Wet Utilities	Excavators	2	10.00	300	0.38
Plots 5 and 10 (2025) Building-Wet Utilities	Excavators	2	10.00	179	0.38
Plots 5 and 10 (2025) Building-Wet Utilities	Excavators	2	10.00	173	0.38
Plots 5 and 10 (2025) Building-Wet Utilities	Other Material Handling Equipment	10	1.00	167	0.40
Plots 5 and 10 (2025) Building-Wet Utilities	Rubber Tired Loaders	6	10.00	152	0.36
Plots 5 and 10 (2025) Building-Wet Utilities	Tractors/Loaders/Backhoes	6	10.00	108	0.37
Plots 5 and 10 (2025) Building-Wet Utilities	Tractors/Loaders/Backhoes	4	10.00	85	0.37
Plots 5 and 10 (2025) Building-Electrical	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 5 and 10 (2025) Building-Electrical	Excavators	6	10.00	40	0.38
Plots 5 and 10 (2025) Building-Electrical	Forklifts	4	10.00	89	0.20
Plots 5 and 10 (2025) Building-Electrical	Other Material Handling Equipment	6	1.00	167	0.40
Plots 5 and 10 (2025) Building-Electrical	Tractors/Loaders/Backhoes	6	10.00	90	0.37
Plots 5 and 10 (2025) Building-Landscaping	Excavators	2	10.00	29	0.38
Plots 5 and 10 (2025) Building-Landscaping	Forklifts	2	10.00	125	0.20
Plots 5 and 10 (2025) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plots 5 and 10 (2025) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plots 5 and 10 (2025) Building-Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 5 and 10 (2025) Building-Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 5 and 10 (2025) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 5 and 10 (2025) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plots 5 and 10 (2025) Building-Landscaping	Trenchers	2	10.00	39	0.50
Plots 5 and 10 (2025) Landscaping	Excavators	2	10.00	29	0.38

Plots 5 and 10 (2025) Landscaping	Forklifts	2	10.00	125	0.20
Plots 5 and 10 (2025) Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 5 and 10 (2025) Landscaping	Other Material Handling Equipment	10	1.00	167	0.40
Plots 5 and 10 (2025) Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 5 and 10 (2025) Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 5 and 10 (2025) Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 5 and 10 (2025) Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plots 5 and 10 (2025) Landscaping	Trenchers	2	10.00	39	0.50
Plots 5 and 10 (2025) Temporary Utilities	Cranes	2	10.00	445	0.29
Plots 5 and 10 (2025) Curbing/Drive Approaches	Cement and Mortar Mixers	6	1.00	9	0.56
Plots 5 and 10 (2025) Curbing/Drive Approaches	Other Material Handling Equipment	6	1.00	167	0.40
Plots 5 and 10 (2025) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plots 5 and 10 (2025) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plots 5 and 10 (2025) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plots 5 and 10 (2025) Paving	Other Material Handling Equipment	6	1.00	167	0.40
Plots 5 and 10 (2025) Paving	Pavers	2	10.00	126	0.42
Plots 5 and 10 (2025) Paving	Paving Equipment	2	10.00	131	0.36
Plots 5 and 10 (2025) Paving	Plate Compactors	2	10.00	8	0.43
Plots 5 and 10 (2025) Paving	Rollers	2	10.00	81	0.38
Plots 5 and 10 (2025) Paving	Scrapers	2	10.00	362	0.48
Plots 5 and 10 (2025) Paving	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 10 and 8 (2026) Mass Excavation	Graders	1	10.00	193	0.41
Plots 10 and 8 (2026) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plots 10 and 8 (2026) Mass Excavation	Other Material Handling Equipment	4	1.00	167	0.40
Plots 10 and 8 (2026) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plots 10 and 8 (2026) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 10 and 8 (2026) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 10 and 8 (2026) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 10 and 8 (2026) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 10 and 8 (2026) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plots 10 and 8 (2026) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plots 10 and 8 (2026) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40

Plots 10 and 8 (2026) Mass Excavation	Rubber Tired Dozers	2	10.00	85	0.40
Plots 10 and 8 (2026) Mass Excavation	Scrapers	2	10.00	550	0.48
Plots 10 and 8 (2026) Mass Excavation	Scrapers	6	10.00	550	0.48
Plots 10 and 8 (2026) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 10 and 8 (2026) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 10 and 8 (2026) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 10 and 8 (2026) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plots 10 and 8 (2026) Finish Grading	Rubber Tired Dozers	2	10.00	85	0.40
Plots 10 and 8 (2026) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 10 and 8 (2026) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plots 10 and 8 (2026) Utilities	Excavators	1	10.00	523	0.38
Plots 10 and 8 (2026) Utilities	Excavators	10	10.00	286	0.38
Plots 10 and 8 (2026) Utilities	Excavators	1	10.00	190	0.38
Plots 10 and 8 (2026) Utilities	Excavators	2	10.00	396	0.38
Plots 10 and 8 (2026) Utilities	Excavators	1	10.00	190	0.38
Plots 10 and 8 (2026) Utilities	Excavators	1	10.00	188	0.38
Plots 10 and 8 (2026) Utilities	Excavators	4	10.00	40	0.38
Plots 10 and 8 (2026) Utilities	Forklifts	2	10.00	89	0.20
Plots 10 and 8 (2026) Utilities	Other Material Handling Equipment	4	1.00	167	0.40
Plots 10 and 8 (2026) Utilities	Other Material Handling Equipment	10	1.00	167	0.40
Plots 10 and 8 (2026) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 10 and 8 (2026) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 10 and 8 (2026) Building-Concrete	Cement and Mortar Mixers	20	1.00	9	0.56
Plots 10 and 8 (2026) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plots 10 and 8 (2026) Building-Concrete	Pumps	1	10.00	84	0.74
Plots 10 and 8 (2026) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 10 and 8 (2026) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plots 10 and 8 (2026) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plots 10 and 8 (2026) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plots 10 and 8 (2026) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 10 and 8 (2026) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plots 10 and 8 (2026) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37

Plots 10 and 8 (2026) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 10 and 8 (2026) Building-Electrical	Cement and Mortar Mixers	5	1.00	9	0.56
Plots 10 and 8 (2026) Building-Electrical	Excavators	4	10.00	40	0.38
Plots 10 and 8 (2026) Building-Electrical	Forklifts	2	10.00	89	0.20
Plots 10 and 8 (2026) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plots 10 and 8 (2026) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 10 and 8 (2026) Building-Landscaping	Excavators	1	10.00	29	0.38
Plots 10 and 8 (2026) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plots 10 and 8 (2026) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 10 and 8 (2026) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plots 10 and 8 (2026) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 10 and 8 (2026) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 10 and 8 (2026) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 10 and 8 (2026) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 10 and 8 (2026) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plots 10 and 8 (2026) Landscaping	Excavators	1	10.00	29	0.38
Plots 10 and 8 (2026) Landscaping	Forklifts	1	10.00	125	0.20
Plots 10 and 8 (2026) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plots 10 and 8 (2026) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plots 10 and 8 (2026) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 10 and 8 (2026) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 10 and 8 (2026) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 10 and 8 (2026) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 10 and 8 (2026) Landscaping	Trenchers	1	10.00	39	0.50
Plots 10 and 8 (2026) Temporary Utilities	Cranes	1	10.00	445	0.29
Plots 10 and 8 (2026) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plots 10 and 8 (2026) Curbing/Drive Approaches	Other Material Handling Equipment	4	1.00	167	0.40
Plots 10 and 8 (2026) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plots 10 and 8 (2026) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plots 10 and 8 (2026) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plots 10 and 8 (2026) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plots 10 and 8 (2026) Paving	Pavers	1	10.00	126	0.42

Plots 10 and 8 (2026) Paving	Paving Equipment	1	10.00	131	0.36
Plots 10 and 8 (2026) Paving	Plate Compactors	1	10.00	8	0.43
Plots 10 and 8 (2026) Paving	Rollers	1	10.00	81	0.38
Plots 10 and 8 (2026) Paving	Scrapers	1	10.00	362	0.48
Plots 10 and 8 (2026) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37
Plot 8 (2027) Mass Excavation	Graders	1	10.00	193	0.41
Plot 8 (2027) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plot 8 (2027) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plot 8 (2027) Mass Excavation	Other Material Handling Equipment	4	1.00	167	0.40
Plot 8 (2027) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 8 (2027) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 8 (2027) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plot 8 (2027) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plot 8 (2027) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plot 8 (2027) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plot 8 (2027) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plot 8 (2027) Mass Excavation	Rubber Tired Dozers	2	10.00	85	0.40
Plot 8 (2027) Mass Excavation	Scrapers	2	10.00	550	0.48
Plot 8 (2027) Mass Excavation	Scrapers	6	10.00	550	0.48
Plot 8 (2027) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 8 (2027) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 8 (2027) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 8 (2027) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plot 8 (2027) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plot 8 (2027) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 8 (2027) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 8 (2027) Utilities	Excavators	1	10.00	523	0.38
Plot 8 (2027) Utilities	Excavators	5	10.00	286	0.38
Plot 8 (2027) Utilities	Excavators	1	10.00	190	0.38
Plot 8 (2027) Utilities	Excavators	2	10.00	396	0.38
Plot 8 (2027) Utilities	Excavators	1	10.00	190	0.38
Plot 8 (2027) Utilities	Excavators	1	10.00	188	0.38

Plot 8 (2027) Utilities	Excavators	4	10.00	40	0.38
Plot 8 (2027) Utilities	Forklifts	2	10.00	89	0.20
Plot 8 (2027) Utilities	Other Material Handling Equipment	4	1.00	167	0.40
Plot 8 (2027) Utilities	Other Material Handling Equipment	10	1.00	167	0.40
Plot 8 (2027) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 8 (2027) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 8 (2027) Building-Concrete	Cement and Mortar Mixers	20	1.00	9	0.56
Plot 8 (2027) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plot 8 (2027) Building-Concrete	Pumps	1	10.00	84	0.74
Plot 8 (2027) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 8 (2027) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plot 8 (2027) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plot 8 (2027) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plot 8 (2027) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 8 (2027) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plot 8 (2027) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plot 8 (2027) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 8 (2027) Building-Electrical	Cement and Mortar Mixers	5	1.00	9	0.56
Plot 8 (2027) Building-Electrical	Excavators	4	10.00	40	0.38
Plot 8 (2027) Building-Electrical	Forklifts	2	10.00	89	0.20
Plot 8 (2027) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plot 8 (2027) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 8 (2027) Building-Landscaping	Excavators	1	10.00	29	0.38
Plot 8 (2027) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plot 8 (2027) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 8 (2027) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plot 8 (2027) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 8 (2027) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 8 (2027) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 8 (2027) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 8 (2027) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plot 8 (2027) Landscaping	Excavators	1	10.00	29	0.38

Plot 8 (2027) Landscaping	Forklifts	1	10.00	125	0.20
Plot 8 (2027) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plot 8 (2027) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plot 8 (2027) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 8 (2027) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 8 (2027) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 8 (2027) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 8 (2027) Landscaping	Trenchers	1	10.00	39	0.50
Plot 8 (2027) Temporary Utilities	Cranes	1	10.00	445	0.29
Plot 8 (2027) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plot 8 (2027) Curbing/Drive Approaches	Other Material Handling Equipment	2	1.00	167	0.40
Plot 8 (2027) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plot 8 (2027) Paving	Pavers	1	10.00	126	0.42
Plot 8 (2027) Paving	Paving Equipment	1	10.00	131	0.36
Plot 8 (2027) Paving	Plate Compactors	1	10.00	8	0.43
Plot 8 (2027) Paving	Rollers	1	10.00	81	0.38
Plot 8 (2027) Paving	Scrapers	1	10.00	362	0.48
Plot 8 (2027) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37
Plots 11 and 6,7 (2028) Mass Excavation	Graders	1	10.00	193	0.41
Plots 11 and 6,7 (2028) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plots 11 and 6,7 (2028) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Other Material Handling Equipment	4	1.00	167	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 11 and 6,7 (2028) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 11 and 6,7 (2028) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Rubber Tired Dozers	2	10.00	305	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Rubber Tired Dozers	1	10.00	85	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Scrapers	2	10.00	550	0.48
Plots 11 and 6,7 (2028) Mass Excavation	Scrapers	6	10.00	550	0.48

Plots 11 and 6,7 (2028) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 11 and 6,7 (2028) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 6,7 (2028) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 6,7 (2028) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plots 11 and 6,7 (2028) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plots 11 and 6,7 (2028) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 11 and 6,7 (2028) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plots 11 and 6,7 (2028) Utilities	Excavators	1	10.00	523	0.38
Plots 11 and 6,7 (2028) Utilities	Excavators	5	10.00	286	0.38
Plots 11 and 6,7 (2028) Utilities	Excavators	1	10.00	190	0.38
Plots 11 and 6,7 (2028) Utilities	Excavators	2	10.00	396	0.38
Plots 11 and 6,7 (2028) Utilities	Excavators	1	10.00	190	0.38
Plots 11 and 6,7 (2028) Utilities	Excavators	1	10.00	188	0.38
Plots 11 and 6,7 (2028) Utilities	Excavators	4	10.00	40	0.38
Plots 11 and 6,7 (2028) Utilities	Forklifts	2	10.00	89	0.20
Plots 11 and 6,7 (2028) Utilities	Other Material Handling Equipment	4	1.00	167	0.40
Plots 11 and 6,7 (2028) Utilities	Other Material Handling Equipment	10	1.00	167	0.40
Plots 11 and 6,7 (2028) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 11 and 6,7 (2028) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 11 and 6,7 (2028) Building-Concrete	Cement and Mortar Mixers	10	1.00	9	0.56
Plots 11 and 6,7 (2028) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 6,7 (2028) Building-Concrete	Pumps	1	10.00	84	0.74
Plots 11 and 6,7 (2028) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 11 and 6,7 (2028) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plots 11 and 6,7 (2028) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plots 11 and 6,7 (2028) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plots 11 and 6,7 (2028) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 11 and 6,7 (2028) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plots 11 and 6,7 (2028) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plots 11 and 6,7 (2028) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 11 and 6,7 (2028) Building-Electrical	Cement and Mortar Mixers	4	1.00	9	0.56
Plots 11 and 6,7 (2028) Building-Electrical	Excavators	4	10.00	40	0.38

Plots 11 and 6,7 (2028) Building-Electrical	Forklifts	2	10.00	89	0.20
Plots 11 and 6,7 (2028) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plots 11 and 6,7 (2028) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 11 and 6,7 (2028) Building-Landscaping	Excavators	1	10.00	29	0.38
Plots 11 and 6,7 (2028) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plots 11 and 6,7 (2028) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 11 and 6,7 (2028) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 11 and 6,7 (2028) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 11 and 6,7 (2028) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 11 and 6,7 (2028) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 11 and 6,7 (2028) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 11 and 6,7 (2028) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plots 11 and 6,7 (2028) Landscaping	Excavators	1	10.00	29	0.38
Plots 11 and 6,7 (2028) Landscaping	Forklifts	1	10.00	125	0.20
Plots 11 and 6,7 (2028) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 6,7 (2028) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plots 11 and 6,7 (2028) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 11 and 6,7 (2028) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 11 and 6,7 (2028) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 11 and 6,7 (2028) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 11 and 6,7 (2028) Landscaping	Trenchers	1	10.00	39	0.50
Plots 11 and 6,7 (2028) Temporary Utilities	Cranes	1	10.00	445	0.29
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	Other Material Handling Equipment	2	1.00	167	0.40
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plots 11 and 6,7 (2028) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plots 11 and 6,7 (2028) Paving	Pavers	1	10.00	126	0.42
Plots 11 and 6,7 (2028) Paving	Paving Equipment	1	10.00	131	0.36
Plots 11 and 6,7 (2028) Paving	Plate Compactors	1	10.00	8	0.43
Plots 11 and 6,7 (2028) Paving	Rollers	1	10.00	81	0.38

Plots 11 and 6,7 (2028) Paving	Scrapers	1	10.00	362	0.48
Plots 11 and 6,7 (2028) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37
Plot 11 (2029) Mass Excavation	Graders	1	10.00	193	0.41
Plot 11 (2029) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plot 11 (2029) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2029) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2029) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 11 (2029) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 11 (2029) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plot 11 (2029) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plot 11 (2029) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plot 11 (2029) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plot 11 (2029) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plot 11 (2029) Mass Excavation	Rubber Tired Dozers	1	10.00	85	0.40
Plot 11 (2029) Mass Excavation	Scrapers	1	10.00	550	0.48
Plot 11 (2029) Mass Excavation	Scrapers	6	10.00	550	0.48
Plot 11 (2029) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2029) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2029) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2029) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plot 11 (2029) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plot 11 (2029) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2029) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 11 (2029) Utilities	Excavators	1	10.00	523	0.38
Plot 11 (2029) Utilities	Excavators	5	10.00	286	0.38
Plot 11 (2029) Utilities	Excavators	1	10.00	190	0.38
Plot 11 (2029) Utilities	Excavators	2	10.00	396	0.38
Plot 11 (2029) Utilities	Excavators	1	10.00	190	0.38
Plot 11 (2029) Utilities	Excavators	1	10.00	188	0.38
Plot 11 (2029) Utilities	Excavators	4	10.00	40	0.38
Plot 11 (2029) Utilities	Forklifts	2	10.00	89	0.20
Plot 11 (2029) Utilities	Other Material Handling Equipment	4	1.00	167	0.40

Plot 11 (2029) Utilities	Other Material Handling Equipment	10	1.00	167	0.40
Plot 11 (2029) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2029) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2029) Building-Concrete	Cement and Mortar Mixers	10	1.00	9	0.56
Plot 11 (2029) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2029) Building-Concrete	Pumps	1	10.00	84	0.74
Plot 11 (2029) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2029) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plot 11 (2029) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plot 11 (2029) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plot 11 (2029) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 11 (2029) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plot 11 (2029) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plot 11 (2029) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 11 (2029) Building-Electrical	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 11 (2029) Building-Electrical	Excavators	4	10.00	40	0.38
Plot 11 (2029) Building-Electrical	Forklifts	2	10.00	89	0.20
Plot 11 (2029) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2029) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2029) Building-Landscaping	Excavators	1	10.00	29	0.38
Plot 11 (2029) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plot 11 (2029) Building-Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2029) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 11 (2029) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 11 (2029) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 11 (2029) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 11 (2029) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 11 (2029) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plot 11 (2029) Landscaping	Excavators	1	10.00	29	0.38
Plot 11 (2029) Landscaping	Forklifts	1	10.00	125	0.20
Plot 11 (2029) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2029) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40

Plot 11 (2029) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 11 (2029) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 11 (2029) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 11 (2029) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 11 (2029) Landscaping	Trenchers	1	10.00	39	0.50
Plot 11 (2029) Temporary Utilities	Cranes	1	10.00	445	0.29
Plot 11 (2029) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plot 11 (2029) Curbing/Drive Approaches	Other Material Handling Equipment	2	1.00	167	0.40
Plot 11 (2029) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plot 11 (2029) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plot 11 (2029) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plot 11 (2029) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2029) Paving	Pavers	1	10.00	126	0.42
Plot 11 (2029) Paving	Paving Equipment	1	10.00	131	0.36
Plot 11 (2029) Paving	Plate Compactors	1	10.00	8	0.43
Plot 11 (2029) Paving	Rollers	1	10.00	81	0.38
Plot 11 (2029) Paving	Scrapers	1	10.00	362	0.48
Plot 11 (2029) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Plots 5 and 10 (2025) Mass Excavation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					53.8244	0.0000	53.8244	25.7616	0.0000	25.7616			0.0000			0.0000
Off-Road	23.9444	248.6211	169.3147	0.4446		9.5671	9.5671		8.8018	8.8018		43,050.3818	43,050.3818	13.9234		43,398.4660
Total	**23.9444**	**248.6211**	**169.3147**	**0.4446**	**53.8244**	**9.5671**	**63.3915**	**25.7616**	**8.8018**	**34.5634**		**43,050.3818**	**43,050.3818**	**13.9234**		**43,398.4660**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					20.9915	0.0000	20.9915	10.0470	0.0000	10.0470			0.0000			0.0000
Off-Road	5.8507	26.3439	201.3679	0.4446		0.8283	0.8283		0.8181	0.8181	0.0000	43,050.3818	43,050.3818	13.9234		43,398.4659
Total	**5.8507**	**26.3439**	**201.3679**	**0.4446**	**20.9915**	**0.8283**	**21.8198**	**10.0470**	**0.8181**	**10.8652**	**0.0000**	**43,050.3818**	**43,050.3818**	**13.9234**		**43,398.4659**

3.3 Plots 5 and 10 (2025) Finish Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					30.6387	0.0000	30.6387	16.6082	0.0000	16.6082			0.0000			0.0000
Off-Road	0.7696	7.0944	7.8352	0.0109		0.3651	0.3651		0.3359	0.3359		1,055.2686	1,055.2686	0.3413		1,063.8009
Total	**0.7696**	**7.0944**	**7.8352**	**0.0109**	**30.6387**	**0.3651**	**31.0037**	**16.6082**	**0.3359**	**16.9441**		**1,055.2686**	**1,055.2686**	**0.3413**		**1,063.8009**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					11.9491	0.0000	11.9491	6.4772	0.0000	6.4772			0.0000			0.0000
Off-Road	0.1334	0.5778	8.2232	0.0109		0.0178	0.0178		0.0178	0.0178	0.0000	1,055.2686	1,055.2686	0.3413		1,063.8009
Total	**0.1334**	**0.5778**	**8.2232**	**0.0109**	**11.9491**	**0.0178**	**11.9669**	**6.4772**	**0.0178**	**6.4950**	**0.0000**	**1,055.2686**	**1,055.2686**	**0.3413**		**1,063.8009**

3.4 Plots 5 and 10 (2025) Utilities - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	10.5625	79.5632	114.3447	0.3473		3.0093	3.0093		2.7697	2.7697		33,584.7704	33,584.7704	10.8509		33,856.0429
Total	**10.5625**	**79.5632**	**114.3447**	**0.3473**		**3.0093**	**3.0093**		**2.7697**	**2.7697**		**33,584.7704**	**33,584.7704**	**10.8509**		**33,856.0429**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	4.4706	25.4642	180.2576	0.3473		0.5811	0.5811		0.5811	0.5811	0.0000	33,584.7704	33,584.7704	10.8509		33,856.0429
Total	**4.4706**	**25.4642**	**180.2576**	**0.3473**		**0.5811**	**0.5811**		**0.5811**	**0.5811**	**0.0000**	**33,584.7704**	**33,584.7704**	**10.8509**		**33,856.0429**

3.5 Plots 5 and 10 (2025) Building-Concrete - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8374	16.6875	26.5082	0.0414		0.6857	0.6857		0.6539	0.6539		3,924.8986	3,924.8986	0.8009		3,944.9221
Total	**1.8374**	**16.6875**	**26.5082**	**0.0414**		**0.6857**	**0.6857**		**0.6539**	**0.6539**		**3,924.8986**	**3,924.8986**	**0.8009**		**3,944.9221**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5933	2.8549	28.2995	0.0414		0.0953	0.0953		0.0953	0.0953	0.0000	3,924.8986	3,924.8986	0.8009		3,944.9221
Total	**0.5933**	**2.8549**	**28.2995**	**0.0414**		**0.0953**	**0.0953**		**0.0953**	**0.0953**	**0.0000**	**3,924.8986**	**3,924.8986**	**0.8009**		**3,944.9221**

3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.0083	40.4453	74.2456	0.1353		1.7910	1.7910		1.6477	1.6477		13,097.3025	13,097.3025	4.2359		13,203.2009
Total	**5.0083**	**40.4453**	**74.2456**	**0.1353**		**1.7910**	**1.7910**		**1.6477**	**1.6477**		**13,097.3025**	**13,097.3025**	**4.2359**		**13,203.2009**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6617	7.2006	90.4310	0.1353		0.2216	0.2216		0.2216	0.2216	0.0000	13,097.3025	13,097.3025	4.2359		13,203.2009
Total	**1.6617**	**7.2006**	**90.4310**	**0.1353**		**0.2216**	**0.2216**		**0.2216**	**0.2216**	**0.0000**	**13,097.3025**	**13,097.3025**	**4.2359**		**13,203.2009**

3.7 Plots 5 and 10 (2025) Building-Electrical - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3907	21.9275	32.7756	0.0453		0.8897	0.8897		0.8197	0.8197		4,367.0006	4,367.0006	1.4013		4,402.0327

Total	**2.3907**	**21.9275**	**32.7756**	**0.0453**		**0.8897**	**0.8897**		**0.8197**	**0.8197**		**4,367.0006**	**4,367.0006**	**1.4013**		**4,402.0327**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7115	7.6805	33.9270	0.0453		0.0853	0.0853		0.0853	0.0853	0.0000	4,367.0006	4,367.0006	1.4013		4,402.0327
Total	**0.7115**	**7.6805**	**33.9270**	**0.0453**		**0.0853**	**0.0853**		**0.0853**	**0.0853**	**0.0000**	**4,367.0006**	**4,367.0006**	**1.4013**		**4,402.0327**

3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3155	19.3475	32.9154	0.0476		0.8434	0.8434		0.7760	0.7760		4,605.7306	4,605.7306	1.4896		4,642.9703
Total	**2.3155**	**19.3475**	**32.9154**	**0.0476**		**0.8434**	**0.8434**		**0.7760**	**0.7760**		**4,605.7306**	**4,605.7306**	**1.4896**		**4,642.9703**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1574	12.3666	36.0026	0.0476		0.2099	0.2099		0.1987	0.1987	0.0000	4,605.7306	4,605.7306	1.4896		4,642.9703
Total	**1.1574**	**12.3666**	**36.0026**	**0.0476**		**0.2099**	**0.2099**		**0.1987**	**0.1987**	**0.0000**	**4,605.7306**	**4,605.7306**	**1.4896**		**4,642.9703**

3.9 Plots 5 and 10 (2025) Landscaping - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4269	20.1698	34.7816	0.0505		0.8861	0.8861		0.8152	0.8152		4,883.9033	4,883.9033	1.5796		4,923.3921
Total	**2.4269**	**20.1698**	**34.7816**	**0.0505**		**0.8861**	**0.8861**		**0.8152**	**0.8152**		**4,883.9033**	**4,883.9033**	**1.5796**		**4,923.3921**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1927	12.5198	38.1822	0.0505		0.2146	0.2146		0.2034	0.2034	0.0000	4,883.9033	4,883.9033	1.5796		4,923.3921
Total	**1.1927**	**12.5198**	**38.1822**	**0.0505**		**0.2146**	**0.2146**		**0.2034**	**0.2034**	**0.0000**	**4,883.9033**	**4,883.9033**	**1.5796**		**4,923.3921**

3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2427	12.2579	10.4336	0.0277		0.5002	0.5002		0.4602	0.4602		2,685.5544	2,685.5544	0.8686		2,707.2685
Total	**1.2427**	**12.2579**	**10.4336**	**0.0277**		**0.5002**	**0.5002**		**0.4602**	**0.4602**		**2,685.5544**	**2,685.5544**	**0.8686**		**2,707.2685**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3414	1.4794	12.5183	0.0277		0.0455	0.0455		0.0455	0.0455	0.0000	2,685.5544	2,685.5544	0.8686		2,707.2685
Total	**0.3414**	**1.4794**	**12.5183**	**0.0277**		**0.0455**	**0.0455**		**0.0455**	**0.0455**	**0.0000**	**2,685.5544**	**2,685.5544**	**0.8686**		**2,707.2685**

3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.6767	5.9861	10.5061	0.0160		0.2832	0.2832		0.2614	0.2614		1,530.3771	1,530.3771	0.4866		1,542.5429
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.9175**	**5.9861**	**10.5061**	**0.0160**		**0.2832**	**0.2832**		**0.2614**	**0.2614**		**1,530.3771**	**1,530.3771**	**0.4866**		**1,542.5429**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2605	2.2098	11.9147	0.0160		0.0360	0.0360		0.0360	0.0360	0.0000	1,530.3771	1,530.3771	0.4866		1,542.5429
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.5012**	**2.2098**	**11.9147**	**0.0160**		**0.0360**	**0.0360**		**0.0360**	**0.0360**	**0.0000**	**1,530.3771**	**1,530.3771**	**0.4866**		**1,542.5429**

3.12 Plots 5 and 10 (2025) Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.6691	34.3917	44.9466	0.0855		1.4762	1.4762		1.3601	1.3601		8,249.0136	8,249.0136	2.6490		8,315.2378
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.9098**	**34.3917**	**44.9466**	**0.0855**		**1.4762**	**1.4762**		**1.3601**	**1.3601**		**8,249.0136**	**8,249.0136**	**2.6490**		**8,315.2378**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0351	4.4854	52.3387	0.0855		0.1380	0.1380		0.1380	0.1380	0.0000	8,249.0136	8,249.0136	2.6490		8,315.2378
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.2758**	**4.4854**	**52.3387**	**0.0855**		**0.1380**	**0.1380**		**0.1380**	**0.1380**	**0.0000**	**8,249.0136**	**8,249.0136**	**2.6490**		**8,315.2378**

3.13 Plots 10 and 8 (2026) Mass Excavation - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					32.8171	0.0000	32.8171	13.5184	0.0000	13.5184			0.0000			0.0000
Off-Road	22.8478	238.4462	161.0593	0.4155		9.1832	9.1832		8.4485	8.4485		40,233.0332	40,233.0332	13.0122		40,558.3376
Total	**22.8478**	**238.4462**	**161.0593**	**0.4155**	**32.8171**	**9.1832**	**42.0002**	**13.5184**	**8.4485**	**21.9669**		**40,233.0332**	**40,233.0332**	**13.0122**		**40,558.3376**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.7987	0.0000	12.7987	5.2722	0.0000	5.2722			0.0000			0.0000
Off-Road	5.4927	24.7924	188.0185	0.4155		0.7806	0.7806		0.7704	0.7704	0.0000	40,233.0332	40,233.0332	13.0122		40,558.3376

Total	**5.4927**	**24.7924**	**188.0185**	**0.4155**	**12.7987**	**0.7806**	**13.5792**	**5.2722**	**0.7704**	**6.0426**	**0.0000**	**40,233.0332**	**40,233.0332**	**13.0122**		**40,558.3376**

3.14 Plots 10 and 8 (2026) Finish Grading - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					23.0785	0.0000	23.0785	12.4669	0.0000	12.4669			0.0000			0.0000
Off-Road	0.7696	7.0944	7.8352	0.0109		0.3651	0.3651		0.3359	0.3359		1,055.2686	1,055.2686	0.3413		1,063.8009
Total	**0.7696**	**7.0944**	**7.8352**	**0.0109**	**23.0785**	**0.3651**	**23.4436**	**12.4669**	**0.3359**	**12.8028**		**1,055.2686**	**1,055.2686**	**0.3413**		**1,063.8009**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.0006	0.0000	9.0006	4.8621	0.0000	4.8621			0.0000			0.0000
Off-Road	0.1334	0.5778	8.2232	0.0109		0.0178	0.0178		0.0178	0.0178	0.0000	1,055.2686	1,055.2686	0.3413		1,063.8009
Total	**0.1334**	**0.5778**	**8.2232**	**0.0109**	**9.0006**	**0.0178**	**9.0184**	**4.8621**	**0.0178**	**4.8799**	**0.0000**	**1,055.2686**	**1,055.2686**	**0.3413**		**1,063.8009**

3.15 Plots 10 and 8 (2026) Utilities - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Off-Road	6.6886	48.6895	70.2265	0.2326		1.8232	1.8232		1.6779	1.6779		22,495.9821	22,495.9821	7.2701		22,677.7348
Total	**6.6886**	**48.6895**	**70.2265**	**0.2326**		**1.8232**	**1.8232**		**1.6779**	**1.6779**		**22,495.9821**	**22,495.9821**	**7.2701**		**22,677.7348**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9629	15.8852	117.0295	0.2326		0.3876	0.3876		0.3876	0.3876	0.0000	22,495.9821	22,495.9821	7.2701		22,677.7348
Total	**2.9629**	**15.8852**	**117.0295**	**0.2326**		**0.3876**	**0.3876**		**0.3876**	**0.3876**	**0.0000**	**22,495.9821**	**22,495.9821**	**7.2701**		**22,677.7348**

3.16 Plots 10 and 8 (2026) Building-Concrete - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1454	10.3524	16.2255	0.0252		0.4235	0.4235		0.4026	0.4026		2,375.9172	2,375.9172	0.5203		2,388.9254
Total	**1.1454**	**10.3524**	**16.2255**	**0.0252**		**0.4235**	**0.4235**		**0.4026**	**0.4026**		**2,375.9172**	**2,375.9172**	**0.5203**		**2,388.9254**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4141	2.0786	17.2515	0.0252		0.0714	0.0714		0.0714	0.0714	0.0000	2,375.9172	2,375.9172	0.5203		2,388.9254
Total	**0.4141**	**2.0786**	**17.2515**	**0.0252**		**0.0714**	**0.0714**		**0.0714**	**0.0714**	**0.0000**	**2,375.9172**	**2,375.9172**	**0.5203**		**2,388.9254**

3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5877	20.8393	38.5224	0.0698		0.9275	0.9275		0.8533	0.8533		6,757.2808	6,757.2808	2.1854		6,811.9168
Total	**2.5877**	**20.8393**	**38.5224**	**0.0698**		**0.9275**	**0.9275**		**0.8533**	**0.8533**		**6,757.2808**	**6,757.2808**	**2.1854**		**6,811.9168**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8573	3.7152	46.8502	0.0698		0.1143	0.1143		0.1143	0.1143	0.0000	6,757.2808	6,757.2808	2.1854		6,811.9168

Total	**0.8573**	**3.7152**	**46.8502**	**0.0698**		**0.1143**	**0.1143**		**0.1143**	**0.1143**	**0.0000**	**6,757.2808**	**6,757.2808**	**2.1854**		**6,811.9168**

3.18 Plots 10 and 8 (2026) Building-Electrical - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4911	13.7153	20.4263	0.0282		0.5454	0.5454		0.5025	0.5025		2,716.3267	2,716.3267	0.8716		2,738.1162
Total	**1.4911**	**13.7153**	**20.4263**	**0.0282**		**0.5454**	**0.5454**		**0.5025**	**0.5025**		**2,716.3267**	**2,716.3267**	**0.8716**		**2,738.1162**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4474	4.9987	21.0923	0.0282		0.0530	0.0530		0.0530	0.0530	0.0000	2,716.3267	2,716.3267	0.8716		2,738.1162
Total	**0.4474**	**4.9987**	**21.0923**	**0.0282**		**0.0530**	**0.0530**		**0.0530**	**0.0530**	**0.0000**	**2,716.3267**	**2,716.3267**	**0.8716**		**2,738.1162**

3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2135	10.0849	17.3908	0.0252		0.4430	0.4430		0.4076	0.4076		2,441.9516	2,441.9516	0.7898		2,461.6961
Total	**1.2135**	**10.0849**	**17.3908**	**0.0252**		**0.4430**	**0.4430**		**0.4076**	**0.4076**		**2,441.9516**	**2,441.9516**	**0.7898**		**2,461.6961**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5964	6.2599	19.0911	0.0252		0.1073	0.1073		0.1017	0.1017	0.0000	2,441.9516	2,441.9516	0.7898		2,461.6961
Total	**0.5964**	**6.2599**	**19.0911**	**0.0252**		**0.1073**	**0.1073**		**0.1017**	**0.1017**	**0.0000**	**2,441.9516**	**2,441.9516**	**0.7898**		**2,461.6961**

3.20 Plots 10 and 8 (2026) Landscaping - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2135	10.0849	17.3908	0.0252		0.4430	0.4430		0.4076	0.4076		2,441.9516	2,441.9516	0.7898		2,461.6961
Total	**1.2135**	**10.0849**	**17.3908**	**0.0252**		**0.4430**	**0.4430**		**0.4076**	**0.4076**		**2,441.9516**	**2,441.9516**	**0.7898**		**2,461.6961**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5964	6.2599	19.0911	0.0252		0.1073	0.1073		0.1017	0.1017	0.0000	2,441.9516	2,441.9516	0.7898		2,461.6961
Total	**0.5964**	**6.2599**	**19.0911**	**0.0252**		**0.1073**	**0.1073**		**0.1017**	**0.1017**	**0.0000**	**2,441.9516**	**2,441.9516**	**0.7898**		**2,461.6961**

3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6214	6.1290	5.2168	0.0139		0.2501	0.2501		0.2301	0.2301		1,342.7772	1,342.7772	0.4343		1,353.6342
Total	**0.6214**	**6.1290**	**5.2168**	**0.0139**		**0.2501**	**0.2501**		**0.2301**	**0.2301**		**1,342.7772**	**1,342.7772**	**0.4343**		**1,353.6342**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.1707	0.7397	6.2591	0.0139		0.0228	0.0228		0.0228	0.0228	0.0000	1,342.7772	1,342.7772	0.4343		1,353.6342
Total	**0.1707**	**0.7397**	**6.2591**	**0.0139**		**0.0228**	**0.0228**		**0.0228**	**0.0228**	**0.0000**	**1,342.7772**	**1,342.7772**	**0.4343**		**1,353.6342**

3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5990	5.4369	9.4574	0.0143		0.2565	0.2565		0.2364	0.2364		1,372.3471	1,372.3471	0.4397		1,383.3392
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.8397**	**5.4369**	**9.4574**	**0.0143**		**0.2565**	**0.2565**		**0.2364**	**0.2364**		**1,372.3471**	**1,372.3471**	**0.4397**		**1,383.3392**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2207	1.9951	10.7093	0.0143		0.0283	0.0283		0.0283	0.0283	0.0000	1,372.3471	1,372.3471	0.4397		1,383.3392
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4615**	**1.9951**	**10.7093**	**0.0143**		**0.0283**	**0.0283**		**0.0283**	**0.0283**	**0.0000**	**1,372.3471**	**1,372.3471**	**0.4397**		**1,383.3392**

3.23 Plots 10 and 8 (2026) Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8345	17.1959	22.4733	0.0428		0.7381	0.7381		0.6800	0.6800		4,124.5068	4,124.5068	1.3245		4,157.6189
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.0753**	**17.1959**	**22.4733**	**0.0428**		**0.7381**	**0.7381**		**0.6800**	**0.6800**		**4,124.5068**	**4,124.5068**	**1.3245**		**4,157.6189**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5176	2.2427	26.1694	0.0428		0.0690	0.0690		0.0690	0.0690	0.0000	4,124.5068	4,124.5068	1.3245		4,157.6189
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7583**	**2.2427**	**26.1694**	**0.0428**		**0.0690**	**0.0690**		**0.0690**	**0.0690**	**0.0000**	**4,124.5068**	**4,124.5068**	**1.3245**		**4,157.6189**

3.24 Plot 8 (2027) Mass Excavation - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					28.4877	0.0000	28.4877	13.0509	0.0000	13.0509			0.0000			0.0000
Off-Road	22.8478	238.4462	161.0593	0.4155		9.1832	9.1832		8.4485	8.4485		40,233.0332	40,233.0332	13.0122		40,558.3376

Total	**22.8478**	**238.4462**	**161.0593**	**0.4155**	**28.4877**	**9.1832**	**37.6709**	**13.0509**	**8.4485**	**21.4995**		**40,233.0332**	**40,233.0332**	**13.0122**		**40,558.3376**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					11.1102	0.0000	11.1102	5.0899	0.0000	5.0899			0.0000			0.0000
Off-Road	5.4927	24.7924	188.0185	0.4155		0.7806	0.7806		0.7704	0.7704	0.0000	40,233.0332	40,233.0332	13.0122		40,558.3376
Total	**5.4927**	**24.7924**	**188.0185**	**0.4155**	**11.1102**	**0.7806**	**11.8908**	**5.0899**	**0.7704**	**5.8602**	**0.0000**	**40,233.0332**	**40,233.0332**	**13.0122**		**40,558.3376**

3.25 Plot 8 (2027) Finish Grading - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.7592	0.0000	7.7592	4.1628	0.0000	4.1628			0.0000			0.0000
Off-Road	0.7696	7.0944	7.8352	0.0109		0.3651	0.3651		0.3359	0.3359		1,055.2686	1,055.2686	0.3413		1,063.8009
Total	**0.7696**	**7.0944**	**7.8352**	**0.0109**	**7.7592**	**0.3651**	**8.1243**	**4.1628**	**0.3359**	**4.4987**		**1,055.2686**	**1,055.2686**	**0.3413**		**1,063.8009**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Fugitive Dust					3.0261	0.0000	3.0261	1.6235	0.0000	1.6235			0.0000			0.0000
Off-Road	0.1334	0.5778	8.2232	0.0109		0.0178	0.0178		0.0178	0.0178	0.0000	1,055.2686	1,055.2686	0.3413		1,063.8009
Total	**0.1334**	**0.5778**	**8.2232**	**0.0109**	**3.0261**	**0.0178**	**3.0439**	**1.6235**	**0.0178**	**1.6413**	**0.0000**	**1,055.2686**	**1,055.2686**	**0.3413**		**1,063.8009**

3.26 Plot 8 (2027) Utilities - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.3091	39.9872	57.6389	0.1743		1.5153	1.5153		1.3947	1.3947		16,861.9284	16,861.9284	5.4479		16,998.1269
Total	**5.3091**	**39.9872**	**57.6389**	**0.1743**		**1.5153**	**1.5153**		**1.3947**	**1.3947**		**16,861.9284**	**16,861.9284**	**5.4479**		**16,998.1269**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2441	12.7704	90.6737	0.1743		0.2917	0.2917		0.2917	0.2917	0.0000	16,861.9283	16,861.9283	5.4479		16,998.1269
Total	**2.2441**	**12.7704**	**90.6737**	**0.1743**		**0.2917**	**0.2917**		**0.2917**	**0.2917**	**0.0000**	**16,861.9283**	**16,861.9283**	**5.4479**		**16,998.1269**

3.27 Plot 8 (2027) Building-Concrete - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1454	10.3524	16.2255	0.0252		0.4235	0.4235		0.4026	0.4026		2,375.9172	2,375.9172	0.5203		2,388.9254
Total	**1.1454**	**10.3524**	**16.2255**	**0.0252**		**0.4235**	**0.4235**		**0.4026**	**0.4026**		**2,375.9172**	**2,375.9172**	**0.5203**		**2,388.9254**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4141	2.0786	17.2515	0.0252		0.0714	0.0714		0.0714	0.0714	0.0000	2,375.9172	2,375.9172	0.5203		2,388.9254
Total	**0.4141**	**2.0786**	**17.2515**	**0.0252**		**0.0714**	**0.0714**		**0.0714**	**0.0714**	**0.0000**	**2,375.9172**	**2,375.9172**	**0.5203**		**2,388.9254**

3.28 Plot 8 (2027) Building-Wet Utilities - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5877	20.8393	38.5224	0.0698		0.9275	0.9275		0.8533	0.8533		6,757.2808	6,757.2808	2.1854		6,811.9168

Total	**2.5877**	**20.8393**	**38.5224**	**0.0698**		**0.9275**	**0.9275**		**0.8533**	**0.8533**		**6,757.2808**	**6,757.2808**	**2.1854**		**6,811.9168**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8573	3.7152	46.8502	0.0698		0.1143	0.1143		0.1143	0.1143	0.0000	6,757.2808	6,757.2808	2.1854		6,811.9168
Total	**0.8573**	**3.7152**	**46.8502**	**0.0698**		**0.1143**	**0.1143**		**0.1143**	**0.1143**	**0.0000**	**6,757.2808**	**6,757.2808**	**2.1854**		**6,811.9168**

3.29 Plot 8 (2027) Building-Electrical - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4911	13.7153	20.4263	0.0282		0.5454	0.5454		0.5025	0.5025		2,716.3267	2,716.3267	0.8716		2,738.1162
Total	**1.4911**	**13.7153**	**20.4263**	**0.0282**		**0.5454**	**0.5454**		**0.5025**	**0.5025**		**2,716.3267**	**2,716.3267**	**0.8716**		**2,738.1162**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4474	4.9987	21.0923	0.0282		0.0530	0.0530		0.0530	0.0530	0.0000	2,716.3267	2,716.3267	0.8716		2,738.1162
Total	**0.4474**	**4.9987**	**21.0923**	**0.0282**		**0.0530**	**0.0530**		**0.0530**	**0.0530**	**0.0000**	**2,716.3267**	**2,716.3267**	**0.8716**		**2,738.1162**

3.30 Plot 8 (2027) Building-Landscaping - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2135	10.0849	17.3908	0.0252		0.4430	0.4430		0.4076	0.4076		2,441.9516	2,441.9516	0.7898		2,461.6961
Total	**1.2135**	**10.0849**	**17.3908**	**0.0252**		**0.4430**	**0.4430**		**0.4076**	**0.4076**		**2,441.9516**	**2,441.9516**	**0.7898**		**2,461.6961**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5964	6.2599	19.0911	0.0252		0.1073	0.1073		0.1017	0.1017	0.0000	2,441.9516	2,441.9516	0.7898		2,461.6961
Total	**0.5964**	**6.2599**	**19.0911**	**0.0252**		**0.1073**	**0.1073**		**0.1017**	**0.1017**	**0.0000**	**2,441.9516**	**2,441.9516**	**0.7898**		**2,461.6961**

3.31 Plot 8 (2027) Landscaping - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2135	10.0849	17.3908	0.0252		0.4430	0.4430		0.4076	0.4076		2,441.9516	2,441.9516	0.7898		2,461.6961
Total	**1.2135**	**10.0849**	**17.3908**	**0.0252**		**0.4430**	**0.4430**		**0.4076**	**0.4076**		**2,441.9516**	**2,441.9516**	**0.7898**		**2,461.6961**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5964	6.2599	19.0911	0.0252		0.1073	0.1073		0.1017	0.1017	0.0000	2,441.9516	2,441.9516	0.7898		2,461.6961
Total	**0.5964**	**6.2599**	**19.0911**	**0.0252**		**0.1073**	**0.1073**		**0.1017**	**0.1017**	**0.0000**	**2,441.9516**	**2,441.9516**	**0.7898**		**2,461.6961**

3.32 Plot 8 (2027) Temporary Utilities - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.6214	6.1290	5.2168	0.0139		0.2501	0.2501		0.2301	0.2301		1,342.7772	1,342.7772	0.4343		1,353.6342
Total	**0.6214**	**6.1290**	**5.2168**	**0.0139**		**0.2501**	**0.2501**		**0.2301**	**0.2301**		**1,342.7772**	**1,342.7772**	**0.4343**		**1,353.6342**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1707	0.7397	6.2591	0.0139		0.0228	0.0228		0.0228	0.0228	0.0000	1,342.7772	1,342.7772	0.4343		1,353.6342
Total	**0.1707**	**0.7397**	**6.2591**	**0.0139**		**0.0228**	**0.0228**		**0.0228**	**0.0228**	**0.0000**	**1,342.7772**	**1,342.7772**	**0.4343**		**1,353.6342**

3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0778	0.5492	1.0487	1.7000e-003		0.0267	0.0267		0.0250	0.0250		158.0300	158.0300	0.0470		159.2037
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3185**	**0.5492**	**1.0487**	**1.7000e-003**		**0.0267**	**0.0267**		**0.0250**	**0.0250**		**158.0300**	**158.0300**	**0.0470**		**159.2037**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0397	0.2147	1.2054	1.7000e-003		7.7200e-003	7.7200e-003		7.7200e-003	7.7200e-003	0.0000	158.0300	158.0300	0.0470		159.2037
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2805**	**0.2147**	**1.2054**	**1.7000e-003**		**7.7200e-003**	**7.7200e-003**		**7.7200e-003**	**7.7200e-003**	**0.0000**	**158.0300**	**158.0300**	**0.0470**		**159.2037**

3.34 Plot 8 (2027) Paving - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8345	17.1959	22.4733	0.0428		0.7381	0.7381		0.6800	0.6800		4,124.5068	4,124.5068	1.3245		4,157.6189
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.0753**	**17.1959**	**22.4733**	**0.0428**		**0.7381**	**0.7381**		**0.6800**	**0.6800**		**4,124.5068**	**4,124.5068**	**1.3245**		**4,157.6189**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5176	2.2427	26.1694	0.0428		0.0690	0.0690		0.0690	0.0690	0.0000	4,124.5068	4,124.5068	1.3245		4,157.6189
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	**1.7583**	**2.2427**	**26.1694**	**0.0428**		**0.0690**	**0.0690**		**0.0690**	**0.0690**	**0.0000**	**4,124.5068**	**4,124.5068**	**1.3245**		**4,157.6189**

3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					40.3656	0.0000	40.3656	14.3335	0.0000	14.3335			0.0000			0.0000
Off-Road	23.8344	247.5092	169.0178	0.4288		9.5883	9.5883		8.8212	8.8212		41,521.6168	41,521.6168	13.4289		41,857.3401
Total	**23.8344**	**247.5092**	**169.0178**	**0.4288**	**40.3656**	**9.5883**	**49.9539**	**14.3335**	**8.8212**	**23.1547**		**41,521.6168**	**41,521.6168**	**13.4289**		**41,857.3401**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					15.7426	0.0000	15.7426	5.5901	0.0000	5.5901			0.0000			0.0000
Off-Road	5.6541	25.4917	193.9357	0.4288		0.8021	0.8021		0.7919	0.7919	0.0000	41,521.6167	41,521.6167	13.4289		41,857.3400
Total	**5.6541**	**25.4917**	**193.9357**	**0.4288**	**15.7426**	**0.8021**	**16.5447**	**5.5901**	**0.7919**	**6.3819**	**0.0000**	**41,521.6167**	**41,521.6167**	**13.4289**		**41,857.3400**

3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Fugitive Dust					8.7553	0.0000	8.7553	4.2704	0.0000	4.2704			0.0000			0.0000
Off-Road	0.7696	7.0944	7.8352	0.0109		0.3651	0.3651		0.3359	0.3359		1,055.2686	1,055.2686	0.3413		1,063.8009
Total	**0.7696**	**7.0944**	**7.8352**	**0.0109**	**8.7553**	**0.3651**	**9.1204**	**4.2704**	**0.3359**	**4.6062**		**1,055.2686**	**1,055.2686**	**0.3413**		**1,063.8009**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.4146	0.0000	3.4146	1.6654	0.0000	1.6654			0.0000			0.0000
Off-Road	0.1334	0.5778	8.2232	0.0109		0.0178	0.0178		0.0178	0.0178	0.0000	1,055.2686	1,055.2686	0.3413		1,063.8009
Total	**0.1334**	**0.5778**	**8.2232**	**0.0109**	**3.4146**	**0.0178**	**3.4324**	**1.6654**	**0.0178**	**1.6832**	**0.0000**	**1,055.2686**	**1,055.2686**	**0.3413**		**1,063.8009**

3.37 Plots 11 and 6,7 (2028) Utilities - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.3091	39.9872	57.6389	0.1743		1.5153	1.5153		1.3947	1.3947		16,861.9284	16,861.9284	5.4479		16,998.1269
Total	**5.3091**	**39.9872**	**57.6389**	**0.1743**		**1.5153**	**1.5153**		**1.3947**	**1.3947**		**16,861.9284**	**16,861.9284**	**5.4479**		**16,998.1269**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2441	12.7704	90.6737	0.1743		0.2917	0.2917		0.2917	0.2917	0.0000	16,861.9283	16,861.9283	5.4479		16,998.1269
Total	**2.2441**	**12.7704**	**90.6737**	**0.1743**		**0.2917**	**0.2917**		**0.2917**	**0.2917**	**0.0000**	**16,861.9283**	**16,861.9283**	**5.4479**		**16,998.1269**

3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0719	9.8922	15.8400	0.0243		0.4056	0.4056		0.3847	0.3847		2,312.7718	2,312.7718	0.5138		2,325.6161
Total	**1.0719**	**9.8922**	**15.8400**	**0.0243**		**0.4056**	**0.4056**		**0.3847**	**0.3847**		**2,312.7718**	**2,312.7718**	**0.5138**		**2,325.6161**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3407	1.6183	16.8661	0.0243		0.0535	0.0535		0.0535	0.0535	0.0000	2,312.7718	2,312.7718	0.5138		2,325.6161

Total	**0.3407**	**1.6183**	**16.8661**	**0.0243**		**0.0535**	**0.0535**		**0.0535**	**0.0535**	**0.0000**	**2,312.7718**	**2,312.7718**	**0.5138**		**2,325.6161**

3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5877	20.8393	38.5224	0.0698		0.9275	0.9275		0.8533	0.8533		6,757.2808	6,757.2808	2.1854		6,811.9168
Total	**2.5877**	**20.8393**	**38.5224**	**0.0698**		**0.9275**	**0.9275**		**0.8533**	**0.8533**		**6,757.2808**	**6,757.2808**	**2.1854**		**6,811.9168**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8573	3.7152	46.8502	0.0698		0.1143	0.1143		0.1143	0.1143	0.0000	6,757.2808	6,757.2808	2.1854		6,811.9168
Total	**0.8573**	**3.7152**	**46.8502**	**0.0698**		**0.1143**	**0.1143**		**0.1143**	**0.1143**	**0.0000**	**6,757.2808**	**6,757.2808**	**2.1854**		**6,811.9168**

3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4837	13.6693	20.3877	0.0281		0.5436	0.5436		0.5007	0.5007		2,710.0122	2,710.0122	0.8709		2,731.7853
Total	**1.4837**	**13.6693**	**20.3877**	**0.0281**		**0.5436**	**0.5436**		**0.5007**	**0.5007**		**2,710.0122**	**2,710.0122**	**0.8709**		**2,731.7853**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4400	4.9527	21.0537	0.0281		0.0512	0.0512		0.0512	0.0512	0.0000	2,710.0122	2,710.0122	0.8709		2,731.7853
Total	**0.4400**	**4.9527**	**21.0537**	**0.0281**		**0.0512**	**0.0512**		**0.0512**	**0.0512**	**0.0000**	**2,710.0122**	**2,710.0122**	**0.8709**		**2,731.7853**

3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1577	9.6738	16.4577	0.0238		0.4217	0.4217		0.3880	0.3880		2,302.8653	2,302.8653	0.7448		2,321.4851
Total	**1.1577**	**9.6738**	**16.4577**	**0.0238**		**0.4217**	**0.4217**		**0.3880**	**0.3880**		**2,302.8653**	**2,302.8653**	**0.7448**		**2,321.4851**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5787	6.1833	18.0013	0.0238		0.1049	0.1049		0.0993	0.0993	0.0000	2,302.8653	2,302.8653	0.7448		2,321.4851
Total	**0.5787**	**6.1833**	**18.0013**	**0.0238**		**0.1049**	**0.1049**		**0.0993**	**0.0993**	**0.0000**	**2,302.8653**	**2,302.8653**	**0.7448**		**2,321.4851**

3.42 Plots 11 and 6,7 (2028) Landscaping - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2135	10.0849	17.3908	0.0252		0.4430	0.4430		0.4076	0.4076		2,441.9516	2,441.9516	0.7898		2,461.6961
Total	**1.2135**	**10.0849**	**17.3908**	**0.0252**		**0.4430**	**0.4430**		**0.4076**	**0.4076**		**2,441.9516**	**2,441.9516**	**0.7898**		**2,461.6961**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.5964	6.2599	19.0911	0.0252		0.1073	0.1073		0.1017	0.1017	0.0000	2,441.9516	2,441.9516	0.7898		2,461.6961
Total	**0.5964**	**6.2599**	**19.0911**	**0.0252**		**0.1073**	**0.1073**		**0.1017**	**0.1017**	**0.0000**	**2,441.9516**	**2,441.9516**	**0.7898**		**2,461.6961**

3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6214	6.1290	5.2168	0.0139		0.2501	0.2501		0.2301	0.2301		1,342.7772	1,342.7772	0.4343		1,353.6342
Total	**0.6214**	**6.1290**	**5.2168**	**0.0139**		**0.2501**	**0.2501**		**0.2301**	**0.2301**		**1,342.7772**	**1,342.7772**	**0.4343**		**1,353.6342**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1707	0.7397	6.2591	0.0139		0.0228	0.0228		0.0228	0.0228	0.0000	1,342.7772	1,342.7772	0.4343		1,353.6342
Total	**0.1707**	**0.7397**	**6.2591**	**0.0139**		**0.0228**	**0.0228**		**0.0228**	**0.0228**	**0.0000**	**1,342.7772**	**1,342.7772**	**0.4343**		**1,353.6342**

3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5433	5.0258	8.5243	0.0128		0.2352	0.2352		0.2168	0.2168		1,233.2608	1,233.2608	0.3947		1,243.1283
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7888**	**5.0258**	**8.5243**	**0.0128**		**0.2352**	**0.2352**		**0.2168**	**0.2168**		**1,233.2608**	**1,233.2608**	**0.3947**		**1,243.1283**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2031	1.9185	9.6195	0.0128		0.0259	0.0259		0.0259	0.0259	0.0000	1,233.2608	1,233.2608	0.3947		1,243.1283
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4486**	**1.9185**	**9.6195**	**0.0128**		**0.0259**	**0.0259**		**0.0259**	**0.0259**	**0.0000**	**1,233.2608**	**1,233.2608**	**0.3947**		**1,243.1283**

3.45 Plots 11 and 6,7 (2028) Paving - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8345	17.1959	22.4733	0.0428		0.7381	0.7381		0.6800	0.6800		4,124.5068	4,124.5068	1.3245		4,157.6189
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	**3.0800**	**17.1959**	**22.4733**	**0.0428**		**0.7381**	**0.7381**		**0.6800**	**0.6800**		**4,124.5068**	**4,124.5068**	**1.3245**		**4,157.6189**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5176	2.2427	26.1694	0.0428		0.0690	0.0690		0.0690	0.0690	0.0000	4,124.5068	4,124.5068	1.3245		4,157.6189
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7631**	**2.2427**	**26.1694**	**0.0428**		**0.0690**	**0.0690**		**0.0690**	**0.0690**	**0.0000**	**4,124.5068**	**4,124.5068**	**1.3245**		**4,157.6189**

3.46 Plot 11 (2029) Mass Excavation - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					46.2023	0.0000	46.2023	14.9637	0.0000	14.9637			0.0000			0.0000
Off-Road	21.7511	228.2714	152.8039	0.3864		8.7992	8.7992		8.0953	8.0953		37,415.6845	37,415.6845	12.1010		37,718.2093
Total	**21.7511**	**228.2714**	**152.8039**	**0.3864**	**46.2023**	**8.7992**	**55.0015**	**14.9637**	**8.0953**	**23.0590**		**37,415.6845**	**37,415.6845**	**12.1010**		**37,718.2093**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Fugitive Dust					18.0189	0.0000	18.0189	5.8358	0.0000	5.8358			0.0000			0.0000
Off-Road	5.1346	23.2408	174.6692	0.3864		0.7328	0.7328		0.7226	0.7226	0.0000	37,415.6845	37,415.6845	12.1010		37,718.2093
Total	**5.1346**	**23.2408**	**174.6692**	**0.3864**	**18.0189**	**0.7328**	**18.7517**	**5.8358**	**0.7226**	**6.5585**	**0.0000**	**37,415.6845**	**37,415.6845**	**12.1010**		**37,718.2093**

3.47 Plot 11 (2029) Finish Grading - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.4540	0.0000	8.4540	4.2378	0.0000	4.2378			0.0000			0.0000
Off-Road	0.7696	7.0944	7.8352	0.0109		0.3651	0.3651		0.3359	0.3359		1,055.2686	1,055.2686	0.3413		1,063.8009
Total	**0.7696**	**7.0944**	**7.8352**	**0.0109**	**8.4540**	**0.3651**	**8.8191**	**4.2378**	**0.3359**	**4.5737**		**1,055.2686**	**1,055.2686**	**0.3413**		**1,063.8009**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2971	0.0000	3.2971	1.6528	0.0000	1.6528			0.0000			0.0000
Off-Road	0.1334	0.5778	8.2232	0.0109		0.0178	0.0178		0.0178	0.0178	0.0000	1,055.2686	1,055.2686	0.3413		1,063.8009
Total	**0.1334**	**0.5778**	**8.2232**	**0.0109**	**3.2971**	**0.0178**	**3.3149**	**1.6528**	**0.0178**	**1.6705**	**0.0000**	**1,055.2686**	**1,055.2686**	**0.3413**		**1,063.8009**

3.48 Plot 11 (2029) Utilities - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	5.3091	39.9872	57.6389	0.1743		1.5153	1.5153		1.3947	1.3947		16,861.9284	16,861.9284	5.4479		16,998.1269
Total	**5.3091**	**39.9872**	**57.6389**	**0.1743**		**1.5153**	**1.5153**		**1.3947**	**1.3947**		**16,861.9284**	**16,861.9284**	**5.4479**		**16,998.1269**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2441	12.7704	90.6737	0.1743		0.2917	0.2917		0.2917	0.2917	0.0000	16,861.9283	16,861.9283	5.4479		16,998.1269
Total	**2.2441**	**12.7704**	**90.6737**	**0.1743**		**0.2917**	**0.2917**		**0.2917**	**0.2917**	**0.0000**	**16,861.9283**	**16,861.9283**	**5.4479**		**16,998.1269**

3.49 Plot 11 (2029) Building-Concrete - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0719	9.8922	15.8400	0.0243		0.4056	0.4056		0.3847	0.3847		2,312.7718	2,312.7718	0.5138		2,325.6161

Total	**1.0719**	**9.8922**	**15.8400**	**0.0243**		**0.4056**	**0.4056**		**0.3847**	**0.3847**		**2,312.7718**	**2,312.7718**	**0.5138**		**2,325.6161**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3407	1.6183	16.8661	0.0243		0.0535	0.0535		0.0535	0.0535	0.0000	2,312.7718	2,312.7718	0.5138		2,325.6161
Total	**0.3407**	**1.6183**	**16.8661**	**0.0243**		**0.0535**	**0.0535**		**0.0535**	**0.0535**	**0.0000**	**2,312.7718**	**2,312.7718**	**0.5138**		**2,325.6161**

3.50 Plot 11 (2029) Building-Wet Utilities - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5877	20.8393	38.5224	0.0698		0.9275	0.9275		0.8533	0.8533		6,757.2808	6,757.2808	2.1854		6,811.9168
Total	**2.5877**	**20.8393**	**38.5224**	**0.0698**		**0.9275**	**0.9275**		**0.8533**	**0.8533**		**6,757.2808**	**6,757.2808**	**2.1854**		**6,811.9168**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8573	3.7152	46.8502	0.0698		0.1143	0.1143		0.1143	0.1143	0.0000	6,757.2808	6,757.2808	2.1854		6,811.9168
Total	**0.8573**	**3.7152**	**46.8502**	**0.0698**		**0.1143**	**0.1143**		**0.1143**	**0.1143**	**0.0000**	**6,757.2808**	**6,757.2808**	**2.1854**		**6,811.9168**

3.51 Plot 11 (2029) Building-Electrical - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4837	13.6693	20.3877	0.0281		0.5436	0.5436		0.5007	0.5007		2,710.0122	2,710.0122	0.8709		2,731.7853
Total	**1.4837**	**13.6693**	**20.3877**	**0.0281**		**0.5436**	**0.5436**		**0.5007**	**0.5007**		**2,710.0122**	**2,710.0122**	**0.8709**		**2,731.7853**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4400	4.9527	21.0537	0.0281		0.0512	0.0512		0.0512	0.0512	0.0000	2,710.0122	2,710.0122	0.8709		2,731.7853
Total	**0.4400**	**4.9527**	**21.0537**	**0.0281**		**0.0512**	**0.0512**		**0.0512**	**0.0512**	**0.0000**	**2,710.0122**	**2,710.0122**	**0.8709**		**2,731.7853**

3.52 Plot 11 (2029) Building-Landscaping - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1299	9.4682	15.9912	0.0231		0.4111	0.4111		0.3782	0.3782		2,233.3221	2,233.3221	0.7223		2,251.3797
Total	**1.1299**	**9.4682**	**15.9912**	**0.0231**		**0.4111**	**0.4111**		**0.3782**	**0.3782**		**2,233.3221**	**2,233.3221**	**0.7223**		**2,251.3797**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5699	6.1450	17.4564	0.0231		0.1038	0.1038		0.0982	0.0982	0.0000	2,233.3221	2,233.3221	0.7223		2,251.3797
Total	**0.5699**	**6.1450**	**17.4564**	**0.0231**		**0.1038**	**0.1038**		**0.0982**	**0.0982**	**0.0000**	**2,233.3221**	**2,233.3221**	**0.7223**		**2,251.3797**

3.53 Plot 11 (2029) Landscaping - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.2135	10.0849	17.3908	0.0252		0.4430	0.4430		0.4076	0.4076		2,441.9516	2,441.9516	0.7898		2,461.6961
Total	**1.2135**	**10.0849**	**17.3908**	**0.0252**		**0.4430**	**0.4430**		**0.4076**	**0.4076**		**2,441.9516**	**2,441.9516**	**0.7898**		**2,461.6961**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5964	6.2599	19.0911	0.0252		0.1073	0.1073		0.1017	0.1017	0.0000	2,441.9516	2,441.9516	0.7898		2,461.6961
Total	**0.5964**	**6.2599**	**19.0911**	**0.0252**		**0.1073**	**0.1073**		**0.1017**	**0.1017**	**0.0000**	**2,441.9516**	**2,441.9516**	**0.7898**		**2,461.6961**

3.54 Plot 11 (2029) Temporary Utilities - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6214	6.1290	5.2168	0.0139		0.2501	0.2501		0.2301	0.2301		1,342.7772	1,342.7772	0.4343		1,353.6342
Total	**0.6214**	**6.1290**	**5.2168**	**0.0139**		**0.2501**	**0.2501**		**0.2301**	**0.2301**		**1,342.7772**	**1,342.7772**	**0.4343**		**1,353.6342**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1707	0.7397	6.2591	0.0139		0.0228	0.0228		0.0228	0.0228	0.0000	1,342.7772	1,342.7772	0.4343		1,353.6342
Total	**0.1707**	**0.7397**	**6.2591**	**0.0139**		**0.0228**	**0.0228**		**0.0228**	**0.0228**	**0.0000**	**1,342.7772**	**1,342.7772**	**0.4343**		**1,353.6342**

3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5433	5.0258	8.5243	0.0128		0.2352	0.2352		0.2168	0.2168		1,233.2608	1,233.2608	0.3947		1,243.1283
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7840**	**5.0258**	**8.5243**	**0.0128**		**0.2352**	**0.2352**		**0.2168**	**0.2168**		**1,233.2608**	**1,233.2608**	**0.3947**		**1,243.1283**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2031	1.9185	9.6195	0.0128		0.0259	0.0259		0.0259	0.0259	0.0000	1,233.2608	1,233.2608	0.3947		1,243.1283
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	**1.4438**	**1.9185**	**9.6195**	**0.0128**		**0.0259**	**0.0259**		**0.0259**	**0.0259**	**0.0000**	**1,233.2608**	**1,233.2608**	**0.3947**		**1,243.1283**

3.56 Plot 11 (2029) Paving - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8345	17.1959	22.4733	0.0428		0.7381	0.7381		0.6800	0.6800		4,124.5068	4,124.5068	1.3245		4,157.6189
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.0753**	**17.1959**	**22.4733**	**0.0428**		**0.7381**	**0.7381**		**0.6800**	**0.6800**		**4,124.5068**	**4,124.5068**	**1.3245**		**4,157.6189**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5176	2.2427	26.1694	0.0428		0.0690	0.0690		0.0690	0.0690	0.0000	4,124.5068	4,124.5068	1.3245		4,157.6189
Paving	1.2407					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7583**	**2.2427**	**26.1694**	**0.0428**		**0.0690**	**0.0690**		**0.0690**	**0.0690**	**0.0000**	**4,124.5068**	**4,124.5068**	**1.3245**		**4,157.6189**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Total					

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
NaturalGas Unmitigated	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	225803	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
Total		**2.4351**	**22.1375**	**18.5955**	**0.1328**		**1.6825**	**1.6825**		**1.6825**	**1.6825**		**26,565.0282**	**26,565.0282**	**0.5092**	**0.4870**	**26,722.8909**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	225.803	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
Total		**2.4351**	**22.1375**	**18.5955**	**0.1328**		**1.6825**	**1.6825**		**1.6825**	**1.6825**		**26,565.0282**	**26,565.0282**	**0.5092**	**0.4870**	**26,722.8909**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	909.6882	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865

Unmitigated	909.6882	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	103.5231					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	805.7870					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.3780	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Total	**909.6881**	**0.0371**	**4.1313**	**3.1000e-004**		**0.0147**	**0.0147**		**0.0147**	**0.0147**		**8.9125**	**8.9125**	**0.0230**		**9.4865**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	103.5231					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	805.7870					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.3780	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Total	**909.6881**	**0.0371**	**4.1313**	**3.1000e-004**		**0.0147**	**0.0147**		**0.0147**	**0.0147**		**8.9125**	**8.9125**	**0.0230**		**9.4865**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Plots 11, 12, 21, and 22

World Logistics Center Plots 11, 12, 21, and 22

Regional Emissions Mitigated

Summer	Onsite Emissions										Onsite Mobile Emissions									
Source	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
	lb/day										lb/day									
3.2 Plot 11 (2030) Mass Excavation - 2030	4.92	19.70	161.60	0.37	18.05	0.62	18.67	5.84	0.62	6.46	0.20	0.16	0.22	0.01	14.23	0.00	14.23	1.42	0.00	1.42
3.3 Plot 11 (2030) Finish Grading - 2030	0.13	0.58	8.22	0.01	3.30	0.02	3.32	1.65	0.02	1.67	0.08	0.04	0.06	0.00	4.25	0.00	4.25	0.42	0.00	0.42
3.4 Plot 11 (2030) Utilities - 2030	2.24	12.77	90.67	0.19	0.00	0.29	0.29	0.00	0.29	0.29	0.46	0.43	0.37	0.03	18.55	0.00	18.55	1.85	0.00	1.85
3.5 Plot 11 (2030) Building-Concrete - 2030	0.34	1.62	16.87	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.07	0.39	0.35	0.00	11.64	0.00	11.64	1.16	0.00	1.16
3.6 Plot 11 (2030) Building-Wet Utilities - 2030	0.86	3.72	46.85	0.08	0.00	0.11	0.11	0.00	0.11	0.11	0.27	0.18	0.16	0.02	10.08	0.00	10.08	1.01	0.00	1.01
3.7 Plot 11 (2030) Building-Electrical - 2030	0.44	4.95	21.05	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.12	0.28	0.23	0.01	8.38	0.00	8.38	0.84	0.00	0.84
3.8 Plot 11 (2030) Building-Landscaping - 2030	0.71	6.26	18.47	0.03	0.00	0.10	0.10	0.00	0.10	0.10	0.12	0.03	0.03	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.9 Plot 11 (2030) Landscaping - 2030	0.73	6.34	19.56	0.03	0.00	0.10	0.10	0.00	0.10	0.10	0.11	0.03	0.03	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.10 Plot 11 (2030) Temporary Utilities - 2030	0.17	0.74	6.26	0.01	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	1.29	0.21	1.21	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.07	0.05	0.05	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.12 Plot 11 (2030) Paving - 2030	1.76	2.24	26.17	0.05	0.00	0.07	0.07	0.00	0.07	0.07	0.12	0.06	0.09	0.01	6.88	0.00	6.88	0.69	0.00	0.69
3.13 Plot 11 (2031) Mass Excavation - 2031	3.25	12.50	100.68	0.23	12.18	0.39	12.58	2.61	0.39	3.01	0.20	0.16	0.22	0.01	14.23	0.00	14.23	1.42	0.00	1.42
3.14 Plot 11 (2031) Finish Grading - 2031	0.13	0.58	8.22	0.01	3.30	0.02	3.32	1.65	0.02	1.67	0.08	0.04	0.06	0.00	4.25	0.00	4.25	0.42	0.00	0.42
3.15 Plot 11 (2031) Utilities - 2031	2.23	12.69	89.58	0.19	0.00	0.29	0.29	0.00	0.29	0.29	0.45	0.43	0.37	0.03	18.55	0.00	18.55	1.85	0.00	1.85
3.16 Plot 11 (2031) Building-Concrete - 2031	0.34	1.62	16.87	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.07	0.39	0.35	0.00	11.64	0.00	11.64	1.16	0.00	1.16
3.17 Plot 11 (2031) Building-Wet Utilities - 2031	0.86	3.72	46.85	0.08	0.00	0.11	0.11	0.00	0.11	0.11	0.27	0.18	0.16	0.02	10.08	0.00	10.08	1.01	0.00	1.01
3.18 Plot 11 (2031) Building-Electrical - 2031	0.44	4.95	21.05	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.12	0.28	0.23	0.01	8.38	0.00	8.38	0.84	0.00	0.84
3.19 Plot 11 (2031) Building-Landscaping - 2031	0.70	6.22	17.92	0.03	0.00	0.10	0.10	0.00	0.10	0.10	0.12	0.03	0.03	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.20 Plot 11 (2031) Landscaping - 2031	0.73	6.34	19.56	0.03	0.00	0.10	0.10	0.00	0.10	0.10	0.11	0.03	0.03	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.21 Plot 11 (2031) Temporary Utilities - 2031	0.17	0.74	6.26	0.01	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	1.45	1.92	9.62	0.02	0.00	0.03	0.03	0.00	0.03	0.03	0.07	0.05	0.05	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.23 Plot 11 (2031) Paving - 2031	1.76	2.24	26.17	0.05	0.00	0.07	0.07	0.00	0.07	0.07	0.12	0.06	0.09	0.01	6.88	0.00	6.88	0.69	0.00	0.69
3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2.26	9.78	82.74	0.19	7.56	0.30	7.86	2.11	0.30	2.41	0.19	0.15	0.20	0.01	13.94	0.00	13.94	1.39	0.00	1.39
3.25 Plots 11 and 12 (2032) Finish Grading - 2032	0.13	0.58	8.22	0.01	3.22	0.02	3.24	1.64	0.02	1.66	0.06	0.04	0.06	0.00	4.08	0.00	4.08	0.41	0.00	0.41
3.26 Plots 11 and 12 (2032) Utilities - 2032	2.21	12.62	88.49	0.19	0.00	0.29	0.29	0.00	0.29	0.29	0.45	0.43	0.36	0.03	18.55	0.00	18.55	1.85	0.00	1.85
3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	0.34	1.62	16.87	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.07	0.39	0.35	0.00	11.64	0.00	11.64	1.16	0.00	1.16
3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	0.86	3.72	46.85	0.08	0.00	0.11	0.11	0.00	0.11	0.11	0.27	0.18	0.16	0.02	10.08	0.00	10.08	1.01	0.00	1.01
3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	0.44	4.95	21.05	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.12	0.28	0.23	0.01	8.38	0.00	8.38	0.84	0.00	0.84
3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	0.70	6.22	17.92	0.03	0.00	0.10	0.10	0.00	0.10	0.10	0.12	0.03	0.03	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.31 Plots 11 and 12 (2032) Landscaping - 2032	0.73	6.34	19.56	0.03	0.00	0.10	0.10	0.00	0.10	0.10	0.11	0.03	0.03	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	0.17	0.74	6.26	0.01	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	1.29	0.21	1.21	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.07	0.05	0.05	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.34 Plots 11 and 12 (2032) Paving - 2032	1.76	2.24	26.17	0.05	0.00	0.07	0.07	0.00	0.07	0.07	0.12	0.06	0.09	0.01	6.88	0.00	6.88	0.69	0.00	0.69
3.35 Plot 12 (2033) Finish Grading - 2033	0.09	0.40	5.66	0.01	3.14	0.01	3.15	1.64	0.01	1.65	0.04	0.03	0.05	0.00	3.91	0.00	3.91	0.39	0.00	0.39
3.36 Plot 12 (2033) Utilities - 2033	2.21	12.62	88.49	0.19	0.00	0.29	0.29	0.00	0.29	0.29	0.45	0.43	0.36	0.03	18.55	0.00	18.55	1.85	0.00	1.85
3.37 Plot 12 (2033) Building-Concrete - 2033	0.34	1.62	16.87	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.06	0.39	0.34	0.00	11.64	0.00	11.64	1.16	0.00	1.16
3.38 Plot 12 (2033) Building-Wet Utilities - 2033	0.86	3.72	46.85	0.08	0.00	0.11	0.11	0.00	0.11	0.11	0.27	0.18	0.16	0.02	10.08	0.00	10.08	1.01	0.00	1.01
3.39 Plot 12 (2033) Building-Electrical - 2033	0.44	4.95	21.05	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.12	0.28	0.23	0.01	8.38	0.00	8.38	0.84	0.00	0.84
3.40 Plot 12 (2033) Building-Landscaping - 2033	0.70	6.22	17.92	0.03	0.00	0.10	0.10	0.00	0.10	0.10	0.12	0.03	0.03	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.41 Plot 12 (2033) Landscaping - 2033	0.73	6.34	19.56	0.03	0.00	0.10	0.10	0.00	0.10	0.10	0.11	0.03	0.03	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.42 Plot 12 (2033) Temporary Utilities - 2033	0.17	0.74	6.26	0.01	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	1.45	1.92	9.62	0.02	0.00	0.03	0.03	0.00	0.03	0.03	0.07	0.05	0.05	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.44 Plot 12 (2033) Paving - 2033	1.76	2.24	26.17	0.05	0.00	0.07	0.07	0.00	0.07	0.07	0.11	0.06	0.09	0.01	6.88	0.00	6.88	0.69	0.00	0.69
3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	0.13	0.58	8.22	0.01	3.22	0.02	3.24	1.64	0.02	1.66	0.05	0.04	0.07	0.00	4.86	0.00	4.86	0.49	0.00	0.49
3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2.20	12.58	87.95	0.19	0.00	0.29	0.29	0.00	0.29	0.29	0.56	0.53	0.45	0.03	23.18	0.00	23.19	2.31	0.00	2.32
3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	0.30	1.39	16.67	0.03	0.00	0.04	0.04	0.00	0.04	0.04	0.08	0.49	0.43	0.00	14.55	0.00	14.55	1.45	0.00	1.45
3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	0.86	3.72	46.85	0.08	0.00	0.11	0.11	0.00	0.11	0.11	0.33	0.22	0.20	0.02	12.60	0.00	12.61	1.26	0.00	1.26
3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	0.44	4.95	21.05	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.15	0.35	0.29	0.01	10.48	0.00	10.48	1.05	0.00	1.05
3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	0.70	6.22	17.92	0.03	0.00	0.10	0.10	0.00	0.10	0.10	0.15	0.04	0.04	0.01	4.42	0.00	4.43	0.44	0.00	0.44
3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	0.73	6.34	19.56	0.03	0.00	0.10	0.10	0.00	0.10	0.10	0.13	0.03	0.04	0.01	4.16	0.00	4.16	0.42	0.00	0.42
3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	0.17	0.74	6.26	0.01	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	1.27	0.14	0.12	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.09	0.06	0.06	0.01	4.27	0.00	4.27	0.43	0.00	0.43
3.54 Plots 12 and 21,22 (2034) Paving - 2034	1.76	2.24	26.17	0.05	0.00	0.07	0.07	0.00	0.07	0.07	0.14	0.07	0.11	0.01	8.60	0.00	8.60	0.86	0.00	0.86

Regional Emissions		ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
3.2 Plot 11 (2030) Mass Excavation - 2030		5.19	22.04	163.71	0.40	33.65	0.64	34.28	7.63	0.64	8.26
3.3 Plot 11 (2030) Finish Grading - 2030		0.23	1.21	8.85	0.02	7.95	0.02	7.98	2.19	0.02	2.21
3.4 Plot 11 (2030) Utilities - 2030		2.79	18.95	93.02	0.25	20.41	0.34	20.75	2.36	0.34	2.70
3.5 Plot 11 (2030) Building-Concrete - 2030		0.46	6.21	17.92	0.05	12.50	0.09	12.59	1.40	0.09	1.48
3.6 Plot 11 (2030) Building-Wet Utilities - 2030		1.18	6.52	48.17	0.12	11.09	0.14	11.23	1.28	0.14	1.42
3.7 Plot 11 (2030) Building-Electrical - 2030		0.61	8.50	22.39	0.06	9.42	0.08	9.50	1.12	0.08	1.20
3.8 Plot 11 (2030) Building-Landscaping - 2030		0.85	6.98	19.10	0.04	3.99	0.10	4.09	0.48	0.10	0.58
3.9 Plot 11 (2030) Landscaping - 2030		0.85	6.93	19.71	0.04	3.47	0.10	3.57	0.37	0.10	0.48
3.10 Plot 11 (2030) Temporary Utilities - 2030		0.17	0.76	6.57	0.02	0.19	0.02	0.21	0.05	0.02	0.07
3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030		1.38	1.02	2.14	0.01	4.03	0.02	4.05	0.51	0.01	0.52
3.12 Plot 11 (2030) Paving - 2030		1.91	3.16	26.74	0.06	7.25	0.08	7.33	0.79	0.08	0.86
3.13 Plot 11 (2031) Mass Excavation - 2031		3.52	14.83	102.73	0.26	27.77	0.42	28.19	4.40	0.41	4.81
3.14 Plot 11 (2031) Finish Grading - 2031		0.23	1.21	8.83	0.02	7.95	0.02	7.98	2.19	0.02	2.21
3.15 Plot 11 (2031) Utilities - 2031		2.76	18.86	91.89	0.25	20.41	0.34	20.75	2.36	0.33	2.70
3.16 Plot 11 (2031) Building-Concrete - 2031		0.46	6.23	18.35	0.05	12.79	0.09	12.88	1.47	0.09	1.56
3.17 Plot 11 (2031) Building-Wet Utilities - 2031		1.17	6.50	48.14	0.11	11.09	0.14	11.23	1.28	0.14	1.42
3.18 Plot 11 (2031) Building-Electrical - 2031		0.60	8.48	22.07	0.06	9.23	0.08	9.30	1.07	0.08	1.14
3.19 Plot 11 (2031) Building-Landscaping - 2031		0.84	6.93	18.39	0.04	3.89	0.10	3.99	0.45	0.10	0.55
3.20 Plot 11 (2031) Landscaping - 2031		0.85	6.94	20.00	0.04	3.66	0.10	3.76	0.42	0.10	0.53
3.21 Plot 11 (2031) Temporary Utilities - 2031		0.17	0.74	6.26	0.01	0.00	0.02	0.02	0.00	0.02	0.02
3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031		1.54	2.69	10.08	0.02	3.75	0.03	3.78	0.43	0.03	0.46
3.23 Plot 11 (2031) Paving - 2031		1.91	3.18	27.16	0.06	7.53	0.08	7.61	0.86	0.08	0.94
3.24 Plots 11 and 12 (2032) Mass Excavation - 2032		2.51	11.91	84.70	0.21	22.83	0.32	23.15	3.86	0.32	4.18
3.25 Plots 11 and 12 (2032) Finish Grading - 2032		0.21	1.13	8.73	0.02	7.64	0.02	7.67	2.14	0.02	2.17
3.26 Plots 11 and 12 (2032) Utilities - 2032		2.74	18.74	90.32	0.24	20.12	0.34	20.46	2.29	0.33	2.62
3.27 Plots 11 and 12 (2032) Building-Concrete - 2032		0.46	6.24	18.67	0.05	13.03	0.09	13.11	1.54	0.09	1.62
3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032		1.17	6.49	48.11	0.11	11.09	0.14	11.23	1.28	0.13	1.42
3.29 Plots 11 and 12 (2032) Building-Electrical - 2032		0.60	8.47	22.05	0.06	9.23	0.08	9.30	1.07	0.08	1.14
3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032		0.84	6.93	18.59	0.04	4.03	0.10	4.14	0.49	0.10	0.59
3.31 Plots 11 and 12 (2032) Landscaping - 2032		0.85	6.96	20.42	0.04	3.94	0.11	4.05	0.50	0.10	0.60
3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032		0.17	0.74	6.26	0.01	0.00	0.02	0.02	0.00	0.02	0.02
3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032		1.37	0.99	1.72	0.01	3.80	0.01	3.81	0.44	0.01	0.46
3.34 Plots 11 and 12 (2032) Paving - 2032		1.90	3.17	26.92	0.06	7.39	0.08	7.47	0.83	0.08	0.90
3.35 Plot 12 (2033) Finish Grading - 2033		0.16	0.93	7.17	0.02	8.09	0.02	8.11	2.30	0.02	2.32
3.36 Plot 12 (2033) Utilities - 2033		2.73	18.70	89.88	0.24	19.84	0.33	20.17	2.21	0.33	2.54
3.37 Plot 12 (2033) Building-Concrete - 2033		0.45	6.20	17.88	0.05	12.50	0.09	12.59	1.40	0.09	1.48
3.38 Plot 12 (2033) Building-Wet Utilities - 2033		1.17	6.51	48.77	0.12	11.56	0.14	11.70	1.41	0.14	1.54
3.39 Plot 12 (2033) Building-Electrical - 2033		0.60	8.48	22.31	0.06	9.42	0.08	9.49	1.12	0.08	1.19
3.40 Plot 12 (2033) Building-Landscaping - 2033		0.84	6.92	18.50	0.04	3.99	0.10	4.09	0.48	0.10	0.58
3.41 Plot 12 (2033) Landscaping - 2033		0.85	6.95	20.39	0.04	3.94	0.11	4.05	0.50	0.10	0.60
3.42 Plot 12 (2033) Temporary Utilities - 2033		0.18	0.79	7.36	0.02	0.76	0.02	0.78	0.20	0.02	0.23
3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033		1.53	2.67	9.78	0.02	3.56	0.03	3.59	0.38	0.03	0.41
3.44 Plot 12 (2033) Paving - 2033		1.90	3.16	26.83	0.06	7.34	0.08	7.42	0.81	0.08	0.89
3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034		0.20	1.15	8.65	0.02	8.37	0.02	8.40	2.21	0.02	2.23
3.46 Plots 12 and 21,22 (2034) Utilities - 2034		2.86	20.20	90.67	0.26	25.51	0.35	25.86	2.95	0.34	3.29
3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034		0.44	7.12	18.26	0.05	15.87	0.09	15.95	1.81	0.08	1.90
3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034		1.24	7.15	48.20	0.12	13.74	0.14	13.88	1.57	0.14	1.71
3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034		0.64	9.36	22.76	0.06	11.89	0.09	11.97	1.43	0.08	1.51
3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034		0.87	7.10	18.80	0.04	5.10	0.10	5.21	0.63	0.10	0.73
3.51 Plots 12 and 21,22 (2034) Landscaping - 2034		0.88	7.08	20.14	0.04	4.62	0.11	4.73	0.54	0.10	0.65
3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034		0.18	0.76	6.73	0.02	0.33	0.02	0.36	0.09	0.02	0.11
3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034		1.38	1.09	0.65	0.01	4.69	0.01	4.70	0.54	0.01	0.55
3.54 Plots 12 and 21,22 (2034) Paving - 2034		1.94	3.39	27.15	0.06	9.30	0.08	9.38	1.05	0.08	1.13
	2030	147.69	82.29	428.31	1.07	113.94	1.64	115.58	18.17	1.62	19.79
	2031	146.14	76.60	373.89	0.94	108.07	1.42	109.49	14.94	1.40	16.35
	2032	144.91	71.77	346.49	0.87	103.10	1.31	104.41	14.44	1.29	15.73
	2033	142.51	61.31	268.88	0.67	81.01	1.00	82.01	10.81	0.98	11.79
	2034	142.70	64.39	262.00	0.70	99.42	1.01	100.43	12.82	0.99	13.81
Daily Maximum		**147.69**	**82.29**	**428.31**	**1.07**	**113.94**	**1.64**	**115.58**	**18.17**	**1.62**	**19.79**
SCAQMD Regional Significance Thresholds		75.00	100.00	550.00	150.00			150.00			55.00
Exceeds Threshold?		Yes	No	No	No	Yes	Yes	No	Yes	Yes	No

VOC Summary

2030	132.08
2031	132.08
2032	132.08
2033	132.08
2034	132.08

World Logistics Center Plots 11, 12, 21, and 22

Regional Emissions Mitigated

Summer	Offsite Mobile Emissions									
Source	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
	lb/day									
3.2 Plot 11 (2030) Mass Excavation - 2030	0.07	2.18	1.88	0.02	1.36	0.02	1.38	0.37	0.02	0.39
3.3 Plot 11 (2030) Finish Grading - 2030	0.02	0.60	0.57	0.00	0.41	0.01	0.41	0.11	0.01	0.12
3.4 Plot 11 (2030) Utilities - 2030	0.09	5.75	1.98	0.03	1.86	0.05	1.91	0.51	0.05	0.56
3.5 Plot 11 (2030) Building-Concrete - 2030	0.05	4.20	0.70	0.02	0.87	0.03	0.90	0.24	0.03	0.27
3.6 Plot 11 (2030) Building-Wet Utilities - 2030	0.05	2.62	1.16	0.02	1.01	0.02	1.03	0.28	0.02	0.30
3.7 Plot 11 (2030) Building-Electrical - 2030	0.04	3.27	1.11	0.02	1.03	0.03	1.06	0.28	0.03	0.31
3.8 Plot 11 (2030) Building-Landscaping - 2030	0.02	0.69	0.60	0.01	0.45	0.01	0.45	0.12	0.01	0.13
3.9 Plot 11 (2030) Landscaping - 2030	0.01	0.57	0.12	0.00	0.14	0.00	0.14	0.04	0.00	0.04
3.10 Plot 11 (2030) Temporary Utilities - 2030	0.00	0.02	0.31	0.00	0.19	0.00	0.19	0.05	0.00	0.05
3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	0.02	0.75	0.88	0.01	0.62	0.01	0.63	0.17	0.01	0.17
3.12 Plot 11 (2030) Paving - 2030	0.03	0.87	0.48	0.01	0.37	0.01	0.38	0.10	0.01	0.11
3.13 Plot 11 (2031) Mass Excavation - 2031	0.06	2.17	1.83	0.02	1.36	0.02	1.38	0.37	0.02	0.39
3.14 Plot 11 (2031) Finish Grading - 2031	0.02	0.59	0.55	0.00	0.41	0.01	0.41	0.11	0.01	0.12
3.15 Plot 11 (2031) Utilities - 2031	0.08	5.74	1.94	0.03	1.86	0.05	1.91	0.51	0.04	0.56
3.16 Plot 11 (2031) Building-Concrete - 2031	0.05	4.22	1.13	0.02	1.15	0.03	1.19	0.31	0.03	0.34
3.17 Plot 11 (2031) Building-Wet Utilities - 2031	0.04	2.61	1.13	0.02	1.01	0.02	1.03	0.28	0.02	0.30
3.18 Plot 11 (2031) Building-Electrical - 2031	0.04	3.25	0.78	0.02	0.84	0.03	0.87	0.23	0.02	0.26
3.19 Plot 11 (2031) Building-Landscaping - 2031	0.02	0.67	0.43	0.00	0.35	0.01	0.36	0.10	0.01	0.10
3.20 Plot 11 (2031) Landscaping - 2031	0.01	0.58	0.41	0.00	0.33	0.00	0.33	0.09	0.00	0.09
3.21 Plot 11 (2031) Temporary Utilities - 2031	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	0.02	0.72	0.41	0.00	0.33	0.01	0.34	0.09	0.01	0.10
3.23 Plot 11 (2031) Paving - 2031	0.03	0.88	0.91	0.01	0.66	0.01	0.67	0.18	0.01	0.19
3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	0.06	1.99	1.75	0.02	1.33	0.02	1.35	0.36	0.02	0.38
3.25 Plots 11 and 12 (2032) Finish Grading - 2032	0.02	0.52	0.45	0.00	0.34	0.00	0.35	0.09	0.00	0.10
3.26 Plots 11 and 12 (2032) Utilities - 2032	0.08	5.69	1.46	0.03	1.58	0.04	1.62	0.44	0.04	0.48
3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	0.06	4.23	1.46	0.02	1.39	0.03	1.42	0.37	0.03	0.41
3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	0.04	2.60	1.10	0.02	1.01	0.02	1.03	0.28	0.02	0.30
3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	0.04	3.24	0.77	0.02	0.84	0.03	0.87	0.23	0.02	0.26
3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	0.02	0.68	0.63	0.01	0.49	0.01	0.50	0.13	0.01	0.14
3.31 Plots 11 and 12 (2032) Landscaping - 2032	0.02	0.60	0.83	0.01	0.61	0.01	0.62	0.17	0.01	0.17
3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	0.02	0.72	0.47	0.00	0.38	0.01	0.39	0.10	0.01	0.11
3.34 Plots 11 and 12 (2032) Paving - 2032	0.03	0.87	0.66	0.01	0.52	0.01	0.52	0.14	0.01	0.15
3.35 Plot 12 (2033) Finish Grading - 2033	0.03	0.50	1.45	0.01	1.04	0.01	1.04	0.28	0.01	0.28
3.36 Plot 12 (2033) Utilities - 2033	0.07	5.65	1.03	0.03	1.29	0.04	1.34	0.36	0.04	0.40
3.37 Plot 12 (2033) Building-Concrete - 2033	0.05	4.19	0.67	0.02	0.87	0.03	0.90	0.24	0.03	0.27
3.38 Plot 12 (2033) Building-Wet Utilities - 2033	0.05	2.62	1.76	0.02	1.48	0.02	1.50	0.40	0.02	0.42
3.39 Plot 12 (2033) Building-Electrical - 2033	0.04	3.25	1.03	0.02	1.03	0.03	1.06	0.28	0.02	0.31
3.40 Plot 12 (2033) Building-Landscaping - 2033	0.02	0.67	0.55	0.01	0.45	0.01	0.45	0.12	0.01	0.13
3.41 Plot 12 (2033) Landscaping - 2033	0.02	0.59	0.80	0.01	0.61	0.01	0.62	0.17	0.01	0.17
3.42 Plot 12 (2033) Temporary Utilities - 2033	0.01	0.05	1.10	0.00	0.76	0.00	0.76	0.20	0.00	0.20
3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	0.01	0.70	0.11	0.00	0.14	0.01	0.15	0.04	0.01	0.05
3.44 Plot 12 (2033) Paving - 2033	0.02	0.86	0.58	0.01	0.47	0.01	0.48	0.13	0.01	0.13
3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	0.02	0.53	0.36	0.00	0.29	0.00	0.30	0.08	0.00	0.08
3.46 Plots 12 and 21,22 (2034) Utilities - 2034	0.09	7.09	2.27	0.04	2.33	0.06	2.39	0.64	0.05	0.69
3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	0.06	5.24	1.16	0.02	1.32	0.04	1.36	0.36	0.04	0.40
3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	0.05	3.21	1.15	0.02	1.14	0.03	1.16	0.31	0.02	0.34
3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	0.05	4.06	1.42	0.02	1.41	0.03	1.44	0.38	0.03	0.41
3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	0.02	0.84	0.83	0.01	0.68	0.01	0.68	0.18	0.01	0.19
3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	0.02	0.71	0.55	0.01	0.46	0.01	0.46	0.13	0.01	0.13
3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	0.00	0.02	0.47	0.00	0.33	0.00	0.33	0.09	0.00	0.09
3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	0.02	0.89	0.47	0.01	0.42	0.01	0.43	0.11	0.01	0.12
3.54 Plots 12 and 21,22 (2034) Paving - 2034	0.03	1.07	0.87	0.01	0.70	0.01	0.71	0.19	0.01	0.20

World Logistics Center Plots 11, 12, 21, and 22

Localized Emissions Mitigated

Summer	Onsite Emissions										Onsite Mobile Emissions									
Source	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
	lb/day										lb/day									
3.2 Plot 11 (2030) Mass Excavation - 2030	4.92	19.70	161.60	0.37	18.05	0.62	18.67	5.84	0.62	6.46	0.20	0.16	0.22	0.01	14.23	0.00	14.23	1.42	0.00	1.42
3.3 Plot 11 (2030) Finish Grading - 2030	0.13	0.58	8.22	0.01	3.30	0.02	3.32	1.65	0.02	1.67	0.08	0.04	0.06	0.00	4.25	0.00	4.25	0.42	0.00	0.42
3.4 Plot 11 (2030) Utilities - 2030	2.24	12.77	90.67	0.19	0.00	0.29	0.29	0.00	0.29	0.29	0.46	0.43	0.37	0.03	18.55	0.00	18.55	1.85	0.00	1.85
3.5 Plot 11 (2030) Building-Concrete - 2030	0.34	1.62	16.87	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.07	0.39	0.35	0.00	11.64	0.00	11.64	1.16	0.00	1.16
3.6 Plot 11 (2030) Building-Wet Utilities - 2030	0.86	3.72	46.85	0.08	0.00	0.11	0.11	0.00	0.11	0.11	0.27	0.18	0.16	0.02	10.08	0.00	10.08	1.01	0.00	1.01
3.7 Plot 11 (2030) Building-Electrical - 2030	0.44	4.95	21.05	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.12	0.28	0.23	0.01	8.38	0.00	8.38	0.84	0.00	0.84
3.8 Plot 11 (2030) Building-Landscaping - 2030	0.71	6.26	18.47	0.03	0.00	0.10	0.10	0.00	0.10	0.10	0.12	0.03	0.03	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.9 Plot 11 (2030) Landscaping - 2030	0.73	6.34	19.56	0.03	0.00	0.10	0.10	0.00	0.10	0.10	0.11	0.03	0.03	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.10 Plot 11 (2030) Temporary Utilities - 2030	0.17	0.74	6.26	0.01	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	1.29	0.21	1.21	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.07	0.05	0.05	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.12 Plot 11 (2030) Paving - 2030	1.76	2.24	26.17	0.05	0.00	0.07	0.07	0.00	0.07	0.07	0.12	0.06	0.09	0.01	6.88	0.00	6.88	0.69	0.00	0.69
3.13 Plot 11 (2031) Mass Excavation - 2031	3.25	12.50	100.68	0.23	12.18	0.39	12.58	2.61	0.39	3.01	0.20	0.16	0.22	0.01	14.23	0.00	14.23	1.42	0.00	1.42
3.14 Plot 11 (2031) Finish Grading - 2031	0.13	0.58	8.22	0.01	3.30	0.02	3.32	1.65	0.02	1.67	0.08	0.04	0.06	0.00	4.25	0.00	4.25	0.42	0.00	0.42
3.15 Plot 11 (2031) Utilities - 2031	2.23	12.69	89.58	0.19	0.00	0.29	0.29	0.00	0.29	0.29	0.45	0.43	0.37	0.03	18.55	0.00	18.55	1.85	0.00	1.85
3.16 Plot 11 (2031) Building-Concrete - 2031	0.34	1.62	16.87	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.07	0.39	0.35	0.00	11.64	0.00	11.64	1.16	0.00	1.16
3.17 Plot 11 (2031) Building-Wet Utilities - 2031	0.86	3.72	46.85	0.08	0.00	0.11	0.11	0.00	0.11	0.11	0.27	0.18	0.16	0.02	10.08	0.00	10.08	1.01	0.00	1.01
3.18 Plot 11 (2031) Building-Electrical - 2031	0.44	4.95	21.05	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.12	0.28	0.23	0.01	8.38	0.00	8.38	0.84	0.00	0.84
3.19 Plot 11 (2031) Building-Landscaping - 2031	0.70	6.22	17.92	0.03	0.00	0.10	0.10	0.00	0.10	0.10	0.12	0.03	0.03	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.20 Plot 11 (2031) Landscaping - 2031	0.73	6.34	19.56	0.03	0.00	0.10	0.10	0.00	0.10	0.10	0.11	0.03	0.03	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.21 Plot 11 (2031) Temporary Utilities - 2031	0.17	0.74	6.26	0.01	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	1.45	1.92	9.62	0.02	0.00	0.03	0.03	0.00	0.03	0.03	0.07	0.05	0.05	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.23 Plot 11 (2031) Paving - 2031	1.76	2.24	26.17	0.05	0.00	0.07	0.07	0.00	0.07	0.07	0.12	0.06	0.09	0.01	6.88	0.00	6.88	0.69	0.00	0.69
3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2.26	9.78	82.74	0.19	7.56	0.30	7.86	2.11	0.30	2.41	0.19	0.15	0.20	0.01	13.94	0.00	13.94	1.39	0.00	1.39
3.25 Plots 11 and 12 (2032) Finish Grading - 2032	0.13	0.58	8.22	0.01	3.22	0.02	3.24	1.64	0.02	1.66	0.06	0.04	0.06	0.00	4.08	0.00	4.08	0.41	0.00	0.41
3.26 Plots 11 and 12 (2032) Utilities - 2032	2.21	12.62	88.49	0.19	0.00	0.29	0.29	0.00	0.29	0.29	0.45	0.43	0.36	0.03	18.55	0.00	18.55	1.85	0.00	1.85
3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	0.34	1.62	16.87	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.07	0.39	0.35	0.00	11.64	0.00	11.64	1.16	0.00	1.16
3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	0.86	3.72	46.85	0.08	0.00	0.11	0.11	0.00	0.11	0.11	0.27	0.18	0.16	0.02	10.08	0.00	10.08	1.01	0.00	1.01
3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	0.44	4.95	21.05	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.12	0.28	0.23	0.01	8.38	0.00	8.38	0.84	0.00	0.84
3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	0.70	6.22	17.92	0.03	0.00	0.10	0.10	0.00	0.10	0.10	0.12	0.03	0.03	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.31 Plots 11 and 12 (2032) Landscaping - 2032	0.73	6.34	19.56	0.03	0.00	0.10	0.10	0.00	0.10	0.10	0.11	0.03	0.03	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	0.17	0.74	6.26	0.01	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	1.29	0.21	1.21	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.07	0.05	0.05	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.34 Plots 11 and 12 (2032) Paving - 2032	1.76	2.24	26.17	0.05	0.00	0.07	0.07	0.00	0.07	0.07	0.12	0.06	0.09	0.01	6.88	0.00	6.88	0.69	0.00	0.69
3.35 Plot 12 (2033) Finish Grading - 2033	0.09	0.40	5.66	0.01	3.14	0.01	3.15	1.64	0.01	1.65	0.04	0.03	0.05	0.00	3.91	0.00	3.91	0.39	0.00	0.39
3.36 Plot 12 (2033) Utilities - 2033	2.21	12.62	88.49	0.19	0.00	0.29	0.29	0.00	0.29	0.29	0.45	0.43	0.36	0.03	18.55	0.00	18.55	1.85	0.00	1.85
3.37 Plot 12 (2033) Building-Concrete - 2033	0.34	1.62	16.87	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.06	0.39	0.34	0.00	11.64	0.00	11.64	1.16	0.00	1.16
3.38 Plot 12 (2033) Building-Wet Utilities - 2033	0.86	3.72	46.85	0.08	0.00	0.11	0.11	0.00	0.11	0.11	0.27	0.18	0.16	0.02	10.08	0.00	10.08	1.01	0.00	1.01
3.39 Plot 12 (2033) Building-Electrical - 2033	0.44	4.95	21.05	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.12	0.28	0.23	0.01	8.38	0.00	8.38	0.84	0.00	0.84
3.40 Plot 12 (2033) Building-Landscaping - 2033	0.70	6.22	17.92	0.03	0.00	0.10	0.10	0.00	0.10	0.10	0.12	0.03	0.03	0.01	3.54	0.00	3.54	0.35	0.00	0.35
3.41 Plot 12 (2033) Landscaping - 2033	0.73	6.34	19.56	0.03	0.00	0.10	0.10	0.00	0.10	0.10	0.11	0.03	0.03	0.01	3.33	0.00	3.33	0.33	0.00	0.33
3.42 Plot 12 (2033) Temporary Utilities - 2033	0.17	0.74	6.26	0.01	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	1.45	1.92	9.62	0.02	0.00	0.03	0.03	0.00	0.03	0.03	0.07	0.05	0.05	0.00	3.41	0.00	3.41	0.34	0.00	0.34
3.44 Plot 12 (2033) Paving - 2033	1.76	2.24	26.17	0.05	0.00	0.07	0.07	0.00	0.07	0.07	0.11	0.06	0.09	0.01	6.88	0.00	6.88	0.69	0.00	0.69
3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	0.13	0.58	8.22	0.01	3.22	0.02	3.24	1.64	0.02	1.66	0.05	0.04	0.07	0.00	4.86	0.00	4.86	0.49	0.00	0.49
3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2.20	12.58	87.95	0.19	0.00	0.29	0.29	0.00	0.29	0.29	0.56	0.53	0.45	0.03	23.18	0.00	23.19	2.31	0.00	2.32
3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	0.30	1.39	16.67	0.03	0.00	0.04	0.04	0.00	0.04	0.04	0.08	0.49	0.43	0.00	14.55	0.00	14.55	1.45	0.00	1.45
3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	0.86	3.72	46.85	0.08	0.00	0.11	0.11	0.00	0.11	0.11	0.33	0.22	0.20	0.02	12.60	0.00	12.61	1.26	0.00	1.26
3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	0.44	4.95	21.05	0.03	0.00	0.05	0.05	0.00	0.05	0.05	0.15	0.35	0.29	0.01	10.48	0.00	10.48	1.05	0.00	1.05
3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	0.70	6.22	17.92	0.03	0.00	0.10	0.10	0.00	0.10	0.10	0.15	0.04	0.04	0.01	4.42	0.00	4.43	0.44	0.00	0.44
3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	0.73	6.34	19.56	0.03	0.00	0.10	0.10	0.00	0.10	0.10	0.13	0.03	0.04	0.01	4.16	0.00	4.16	0.42	0.00	0.42
3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	0.17	0.74	6.26	0.01	0.00	0.02	0.02	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	1.27	0.14	0.12	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.09	0.06	0.06	0.01	4.27	0.00	4.27	0.43	0.00	0.43
3.54 Plots 12 and 21,22 (2034) Paving - 2034	1.76	2.24	26.17	0.05	0.00	0.07	0.07	0.00	0.07	0.07	0.14	0.07	0.11	0.01	8.60	0.00	8.60	0.86	0.00	0.86

Localized Emissions	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
3.2 Plot 11 (2030) Mass Excavation - 2030	5.12	19.86	161.82	0.38	32.28	0.62	32.90	7.26	0.62	7.88
3.3 Plot 11 (2030) Finish Grading - 2030	0.21	0.62	8.28	0.02	7.55	0.02	7.56	2.08	0.02	2.09
3.4 Plot 11 (2030) Utilities - 2030	2.70	13.20	91.04	0.22	18.55	0.30	18.84	1.85	0.29	2.14
3.5 Plot 11 (2030) Building-Concrete - 2030	0.41	2.01	17.21	0.03	11.64	0.05	11.69	1.16	0.05	1.22
3.6 Plot 11 (2030) Building-Wet Utilities - 2030	1.13	3.89	47.02	0.10	10.08	0.12	10.20	1.01	0.11	1.12
3.7 Plot 11 (2030) Building-Electrical - 2030	0.56	5.23	21.29	0.04	8.38	0.05	8.43	0.84	0.05	0.89
3.8 Plot 11 (2030) Building-Landscaping - 2030	0.83	6.29	18.50	0.04	3.54	0.10	3.64	0.35	0.10	0.45
3.9 Plot 11 (2030) Landscaping - 2030	0.84	6.36	19.59	0.04	3.33	0.10	3.43	0.33	0.10	0.43
3.10 Plot 11 (2030) Temporary Utilities - 2030	0.17	0.74	6.26	0.01	0.00	0.02	0.02	0.00	0.02	0.02
3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	1.36	0.26	1.26	0.01	3.41	0.01	3.42	0.34	0.01	0.35
3.12 Plot 11 (2030) Paving - 2030	1.88	2.30	26.26	0.05	6.88	0.07	6.95	0.69	0.07	0.76
3.13 Plot 11 (2031) Mass Excavation - 2031	3.46	12.66	100.90	0.24	26.41	0.40	26.81	4.03	0.39	4.43
3.14 Plot 11 (2031) Finish Grading - 2031	0.21	0.62	8.28	0.02	7.55	0.02	7.56	2.08	0.02	2.09
3.15 Plot 11 (2031) Utilities - 2031	2.68	13.12	89.95	0.22	18.55	0.29	18.84	1.85	0.29	2.14
3.16 Plot 11 (2031) Building-Concrete - 2031	0.41	2.01	17.21	0.03	11.64	0.05	11.69	1.16	0.05	1.22
3.17 Plot 11 (2031) Building-Wet Utilities - 2031	1.13	3.89	47.01	0.10	10.08	0.12	10.20	1.01	0.11	1.12
3.18 Plot 11 (2031) Building-Electrical - 2031	0.56	5.23	21.29	0.04	8.38	0.05	8.43	0.84	0.05	0.89
3.19 Plot 11 (2031) Building-Landscaping - 2031	0.83	6.25	17.96	0.04	3.54	0.10	3.64	0.35	0.10	0.45
3.20 Plot 11 (2031) Landscaping - 2031	0.83	6.36	19.59	0.04	3.33	0.10	3.43	0.33	0.10	0.43
3.21 Plot 11 (2031) Temporary Utilities - 2031	0.17	0.74	6.26	0.01	0.00	0.02	0.02	0.00	0.02	0.02
3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	1.52	1.97	9.67	0.02	3.41	0.03	3.44	0.34	0.03	0.37
3.23 Plot 11 (2031) Paving - 2031	1.88	2.30	26.26	0.05	6.88	0.07	6.95	0.69	0.07	0.76
3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2.45	9.92	82.95	0.20	21.50	0.30	21.80	3.50	0.30	3.81
3.25 Plots 11 and 12 (2032) Finish Grading - 2032	0.19	0.61	8.28	0.02	7.30	0.02	7.32	2.05	0.02	2.07
3.26 Plots 11 and 12 (2032) Utilities - 2032	2.66	13.04	88.86	0.21	18.55	0.29	18.84	1.85	0.29	2.14
3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	0.41	2.01	17.21	0.03	11.64	0.05	11.69	1.16	0.05	1.22
3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	1.13	3.89	47.01	0.10	10.08	0.12	10.20	1.01	0.11	1.12
3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	0.56	5.23	21.29	0.04	8.38	0.05	8.43	0.84	0.05	0.89
3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	0.82	6.25	17.96	0.04	3.54	0.10	3.64	0.35	0.10	0.45
3.31 Plots 11 and 12 (2032) Landscaping - 2032	0.83	6.36	19.59	0.04	3.33	0.10	3.43	0.33	0.10	0.43
3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	0.17	0.74	6.26	0.01	0.00	0.02	0.02	0.00	0.02	0.02
3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	1.36	0.26	1.26	0.01	3.41	0.01	3.42	0.34	0.01	0.35
3.34 Plots 11 and 12 (2032) Paving - 2032	1.88	2.30	26.26	0.05	6.88	0.07	6.95	0.69	0.07	0.76
3.35 Plot 12 (2033) Finish Grading - 2033	0.13	0.43	5.71	0.01	7.06	0.01	7.07	2.03	0.01	2.04
3.36 Plot 12 (2033) Utilities - 2033	2.66	13.04	88.85	0.21	18.55	0.29	18.84	1.85	0.29	2.14
3.37 Plot 12 (2033) Building-Concrete - 2033	0.41	2.01	17.21	0.03	11.64	0.05	11.69	1.16	0.05	1.22
3.38 Plot 12 (2033) Building-Wet Utilities - 2033	1.13	3.89	47.01	0.10	10.08	0.12	10.20	1.01	0.11	1.12
3.39 Plot 12 (2033) Building-Electrical - 2033	0.56	5.23	21.29	0.04	8.38	0.05	8.43	0.84	0.05	0.89
3.40 Plot 12 (2033) Building-Landscaping - 2033	0.82	6.25	17.96	0.04	3.54	0.10	3.64	0.35	0.10	0.45
3.41 Plot 12 (2033) Landscaping - 2033	0.83	6.36	19.59	0.04	3.33	0.10	3.43	0.33	0.10	0.43
3.42 Plot 12 (2033) Temporary Utilities - 2033	0.17	0.74	6.26	0.01	0.00	0.02	0.02	0.00	0.02	0.02
3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	1.52	1.97	9.67	0.02	3.41	0.03	3.44	0.34	0.03	0.37
3.44 Plot 12 (2033) Paving - 2033	1.88	2.30	26.25	0.05	6.88	0.07	6.95	0.69	0.07	0.76
3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	0.19	0.62	8.29	0.02	8.08	0.02	8.10	2.13	0.02	2.15
3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2.76	13.11	88.40	0.22	23.18	0.29	23.47	2.31	0.29	2.60
3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	0.38	1.88	17.10	0.03	14.55	0.05	14.59	1.45	0.05	1.50
3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	1.19	3.94	47.05	0.10	12.60	0.12	12.72	1.26	0.11	1.37
3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	0.59	5.30	21.34	0.04	10.48	0.05	10.53	1.05	0.05	1.10
3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	0.85	6.26	17.96	0.04	4.42	0.10	4.52	0.44	0.10	0.54
3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	0.86	6.37	19.60	0.04	4.16	0.10	4.26	0.42	0.10	0.51
3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	0.17	0.74	6.26	0.01	0.00	0.02	0.02	0.00	0.02	0.02
3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	1.36	0.20	0.18	0.01	4.27	0.01	4.27	0.43	0.01	0.43
3.54 Plots 12 and 21,22 (2034) Paving - 2034	1.91	2.31	26.27	0.06	8.60	0.07	8.67	0.86	0.07	0.93
2030	147.29	60.77	418.54	0.94	105.64	1.45	107.09	15.90	1.44	17.35
2031	145.76	55.15	364.38	0.81	99.76	1.25	101.01	12.68	1.24	13.91
2032	144.55	50.64	336.91	0.75	94.61	1.13	95.74	12.12	1.12	13.25
2033	142.20	42.23	259.80	0.56	72.86	0.84	73.71	8.60	0.83	9.43
2034	142.35	40.72	252.45	0.56	90.34	0.82	91.16	10.34	0.81	11.15
Daily Maximum	**147.29**	**60.77**	**418.54**	**0.94**	**105.64**	**1.45**	**107.09**	**15.90**	**1.44**	**17.35**
SCAQMD Regional Significance Thresholds	75.00	100.00	550.00	150.00			150.00			55.00
Exceeds Threshold?	Yes	No	No	No	Yes	Yes	No	Yes	Yes	No

VOC Summary

2030	132.08
2031	132.08
2032	132.08
2033	132.08
2034	132.08

ONSITE Mobile Emissions		ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2.03E-01	1.61E-01	2.20E-01	1.06E-02	1.42E+01	1.68E-03	1.42E+01	1.42E+00	4.70E-04	1.42E+00	4.92E+01	1.09E+00	1.08E-02
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	7.69E-02	3.78E-02	5.65E-02	4.17E-03	4.25E+00	6.08E-04	4.25E+00	4.24E-01	1.28E-04	4.24E-01	1.30E+01	4.34E-01	2.40E-03
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	4.56E-01	4.28E-01	3.69E-01	2.63E-02	1.85E+01	4.04E-03	1.85E+01	1.85E+00	1.03E-03	1.85E+00	1.05E+02	2.71E+00	2.78E-02
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	6.76E-02	3.94E-01	3.49E-01	2.83E-03	1.16E+01	1.06E-03	1.16E+01	1.16E+00	7.89E-04	1.16E+00	8.68E+01	2.19E-01	2.78E-02
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2.71E-01	1.78E-01	1.65E-01	1.56E-02	1.01E+01	2.28E-03	1.01E+01	1.01E+00	4.78E-04	1.01E+00	4.74E+01	1.63E+00	1.11E-02
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	1.22E-01	2.81E-01	2.34E-01	6.66E-03	8.38E+00	1.32E-03	8.38E+00	8.37E-01	5.87E-04	8.37E-01	6.27E+01	6.51E-01	1.93E-02
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	1.23E-01	3.09E-02	3.42E-02	7.19E-03	3.54E+00	9.58E-04	3.54E+00	3.53E-01	1.24E-04	3.53E-01	1.12E+01	7.58E-01	1.50E-03
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	1.06E-01	2.67E-02	3.29E-02	6.17E-03	3.33E+00	8.25E-04	3.33E+00	3.32E-01	1.10E-04	3.33E-01	1.00E+01	6.50E-01	1.32E-03
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	7.44E-02	5.00E-02	5.38E-02	4.18E-03	3.41E+00	6.20E-04	3.41E+00	3.41E-01	1.40E-04	3.41E-01	1.41E+01	4.34E-01	3.20E-03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	1.17E-01	5.62E-02	9.04E-02	6.27E-03	6.88E+00	9.18E-04	6.88E+00	6.86E-01	1.97E-04	6.86E-01	2.01E+01	6.51E-01	3.60E-03
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2.01E-01	1.60E-01	2.17E-01	1.05E-02	1.42E+01	1.66E-03	1.42E+01	1.42E+00	4.54E-04	1.42E+00	4.83E+01	1.07E+00	1.07E-02
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	7.63E-02	3.76E-02	5.54E-02	4.16E-03	4.25E+00	6.05E-04	4.25E+00	4.24E-01	1.24E-04	4.24E-01	1.27E+01	4.27E-01	2.37E-03
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	4.55E-01	4.27E-01	3.66E-01	2.62E-02	1.85E+01	4.02E-03	1.85E+01	1.85E+00	1.01E-03	1.85E+00	1.03E+02	2.67E+00	2.76E-02
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	6.66E-02	3.93E-01	3.47E-01	2.81E-03	1.16E+01	1.04E-03	1.16E+01	1.16E+00	7.68E-04	1.16E+00	8.52E+01	2.16E-01	2.77E-02
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2.70E-01	1.77E-01	1.63E-01	1.56E-02	1.01E+01	2.27E-03	1.01E+01	1.01E+00	4.64E-04	1.01E+00	4.65E+01	1.60E+00	1.10E-02
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	1.21E-01	2.81E-01	2.33E-01	6.62E-03	8.38E+00	1.31E-03	8.38E+00	8.37E-01	5.72E-04	8.37E-01	6.16E+01	6.42E-01	1.92E-02
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	1.22E-01	3.07E-02	3.34E-02	7.16E-03	3.54E+00	9.56E-04	3.54E+00	3.53E-01	1.20E-04	3.53E-01	1.10E+01	7.47E-01	1.47E-03
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	1.06E-01	2.66E-02	3.21E-02	6.14E-03	3.33E+00	8.23E-04	3.33E+00	3.32E-01	1.06E-04	3.33E-01	9.83E+00	6.41E-01	1.30E-03
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	7.40E-02	4.99E-02	5.31E-02	4.16E-03	3.41E+00	6.17E-04	3.41E+00	3.41E-01	1.35E-04	3.41E-01	1.38E+01	4.27E-01	3.17E-03
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	1.16E-01	5.60E-02	8.86E-02	6.24E-03	6.88E+00	9.12E-04	6.88E+00	6.86E-01	1.90E-04	6.86E-01	1.97E+01	6.41E-01	3.56E-03
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	1.91E-01	1.46E-01	2.04E-01	9.98E-03	1.39E+01	1.57E-03	1.39E+01	1.39E+00	4.17E-04	1.39E+00	4.46E+01	1.00E+00	9.73E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	5.93E-02	3.59E-02	5.51E-02	3.13E-03	4.08E+00	4.74E-04	4.08E+00	4.07E-01	1.12E-04	4.07E-01	1.19E+01	3.16E-01	2.36E-03
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	4.53E-01	4.27E-01	3.63E-01	2.61E-02	1.85E+01	4.01E-03	1.85E+01	1.85E+00	9.95E-04	1.85E+00	1.01E+02	2.63E+00	2.74E-02
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	6.57E-02	3.92E-01	3.46E-01	2.79E-03	1.16E+01	1.03E-03	1.16E+01	1.16E+00	7.60E-04	1.16E+00	8.37E+01	2.13E-01	2.76E-02
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2.69E-01	1.77E-01	1.61E-01	1.55E-02	1.01E+01	2.26E-03	1.01E+01	1.01E+00	4.58E-04	1.01E+00	4.58E+01	1.58E+00	1.09E-02
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	1.20E-01	2.81E-01	2.32E-01	6.60E-03	8.38E+00	1.31E-03	8.38E+00	8.37E-01	5.66E-04	8.37E-01	6.05E+01	6.33E-01	1.91E-02
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	1.22E-01	3.06E-02	3.26E-02	7.15E-03	3.54E+00	9.55E-04	3.54E+00	3.53E-01	1.18E-04	3.53E-01	1.08E+01	7.37E-01	1.45E-03
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	1.05E-01	2.65E-02	3.13E-02	6.13E-03	3.33E+00	8.22E-04	3.33E+00	3.32E-01	1.04E-04	3.33E-01	9.67E+00	6.32E-01	1.28E-03
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	7.36E-02	4.98E-02	5.24E-02	4.15E-03	3.41E+00	6.15E-04	3.41E+00	3.41E-01	1.33E-04	3.41E-01	1.36E+01	4.21E-01	3.14E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	1.15E-01	5.57E-02	8.69E-02	6.22E-03	6.88E+00	9.08E-04	6.88E+00	6.86E-01	1.86E-04	6.86E-01	1.94E+01	6.32E-01	3.52E-03
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	4.23E-02	3.43E-02	5.50E-02	2.12E-03	3.91E+00	3.44E-04	3.91E+00	3.91E-01	1.01E-04	3.91E-01	1.12E+01	2.08E-01	2.36E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	4.52E-01	4.26E-01	3.61E-01	2.61E-02	1.85E+01	4.00E-03	1.85E+01	1.85E+00	9.85E-04	1.85E+00	9.98E+01	2.60E+00	2.73E-02
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	6.48E-02	3.92E-01	3.44E-01	2.77E-03	1.16E+01	1.03E-03	1.16E+01	1.16E+00	7.52E-04	1.16E+00	8.24E+01	2.10E-01	2.74E-02
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2.68E-01	1.77E-01	1.60E-01	1.55E-02	1.01E+01	2.26E-03	1.01E+01	1.01E+00	4.53E-04	1.01E+00	4.50E+01	1.56E+00	1.09E-02
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	1.20E-01	2.80E-01	2.32E-01	6.58E-03	8.38E+00	1.30E-03	8.38E+00	8.37E-01	5.61E-04	8.37E-01	5.95E+01	6.25E-01	1.90E-02
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	1.22E-01	3.05E-02	3.20E-02	7.14E-03	3.54E+00	9.53E-04	3.54E+00	3.53E-01	1.16E-04	3.53E-01	1.06E+01	7.27E-01	1.43E-03
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	1.05E-01	2.63E-02	3.07E-02	6.12E-03	3.33E+00	8.20E-04	3.33E+00	3.32E-01	1.03E-04	3.33E-01	9.52E+00	6.24E-01	1.26E-03
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	7.33E-02	4.96E-02	5.18E-02	4.15E-03	3.41E+00	6.13E-04	3.41E+00	3.41E-01	1.31E-04	3.41E-01	1.34E+01	4.16E-01	3.12E-03
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	1.14E-01	5.55E-02	8.54E-02	6.21E-03	6.88E+00	9.04E-04	6.88E+00	6.86E-01	1.82E-04	6.86E-01	1.91E+01	6.24E-01	3.49E-03
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	5.23E-02	4.08E-02	6.62E-02	2.64E-03	4.86E+00	4.23E-04	4.86E+00	4.85E-01	1.20E-04	4.85E-01	1.34E+01	2.57E-01	2.79E-03
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	5.64E-01	5.31E-01	4.48E-01	3.25E-02	2.32E+01	4.99E-03	2.32E+01	2.31E+00	1.22E-03	2.32E+00	1.23E+02	3.21E+00	3.39E-02
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	8.01E-02	4.89E-01	4.29E-01	3.45E-03	1.45E+01	1.27E-03	1.45E+01	1.45E+00	9.30E-04	1.45E+00	1.01E+02	2.60E-01	3.42E-02
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	3.34E-01	2.20E-01	1.98E-01	1.94E-02	1.26E+01	2.81E-03	1.26E+01	1.26E+00	5.59E-04	1.26E+00	5.55E+01	1.93E+00	1.35E-02
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	1.49E-01	3.50E-01	2.89E-01	8.21E-03	1.05E+01	1.62E-03	1.05E+01	1.05E+00	6.95E-04	1.05E+00	7.33E+01	7.71E-01	2.37E-02
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	1.52E-01	3.79E-02	3.92E-02	8.91E-03	4.42E+00	1.19E-03	4.43E+00	4.42E-01	1.43E-04	4.42E-01	1.31E+01	8.98E-01	1.76E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	1.31E-01	3.28E-02	3.77E-02	7.64E-03	4.16E+00	1.02E-03	4.16E+00	4.16E-01	1.26E-04	4.16E-01	1.17E+01	7.70E-01	1.55E-03
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	9.13E-02	6.19E-02	6.41E-02	5.18E-03	4.27E+00	7.64E-04	4.27E+00	4.26E-01	1.62E-04	4.26E-01	1.65E+01	5.13E-01	3.87E-03
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	1.42E-01	6.91E-02	1.05E-01	7.76E-03	8.60E+00	1.13E-03	8.60E+00	8.58E-01	2.22E-04	8.58E-01	2.35E+01	7.71E-01	4.32E-03

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Haul Starting Evaporative Emission Factors ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission Factor (g/min)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	2170	8	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	364	1	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	7512	29	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	2191	8	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	5008	19	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	0	0	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	624	2	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	528	2	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	2170	8	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	364	1	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	2191	8	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	1937.5	7	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	416	2	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	6260	24	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	7512	29	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	5008	19	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	0	0	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	0	0	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	624	2	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	528	2	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	468	2	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	6260	24	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	7512	29	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	2191	8	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	5008	19	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	0	0	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	0	0	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	624	2	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	528	2	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	546	2	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	7825	30	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	9390	36	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	2738.75	11	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	6260	24	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	0	0	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	0	0	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	0	0	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	780	3	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	660	3	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	2170	8	15	3.44E-06	2.20E-02	5.54E-05	4.61E-09	0.00E+00	4.88E-09	4.88E-09	0.00E+00	4.49E-09	4.49E-09	4.66E-04	3.37E-09	3.31E-08
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	364	1	15	5.77E-07	3.68E-03	9.29E-06	7.73E-10	0.00E+00	8.19E-10	8.19E-10	0.00E+00	7.53E-10	7.53E-10	7.81E-05	5.66E-10	5.56E-09
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	15	9.93E-06	6.33E-02	1.60E-04	1.33E-08	0.00E+00	1.41E-08	1.41E-08	0.00E+00	1.29E-08	1.29E-08	1.34E-03	9.73E-09	9.56E-08
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	7512	29	15	1.19E-05	7.60E-02	1.92E-04	1.60E-08	0.00E+00	1.69E-08	1.69E-08	0.00E+00	1.55E-08	1.55E-08	1.61E-03	1.17E-08	1.15E-07
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	2191	8	15	3.48E-06	2.22E-02	5.59E-05	4.65E-09	0.00E+00	4.93E-09	4.93E-09	0.00E+00	4.53E-09	4.53E-09	4.70E-04	3.40E-09	3.35E-08
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	5008	19	15	7.94E-06	5.07E-02	1.28E-04	1.06E-08	0.00E+00	1.13E-08	1.13E-08	0.00E+00	1.04E-08	1.04E-08	1.07E-03	7.78E-09	7.65E-08
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	624	2	15	9.90E-07	6.31E-03	1.59E-05	1.33E-09	0.00E+00	1.40E-09	1.40E-09	0.00E+00	1.29E-09	1.29E-09	1.34E-04	9.70E-10	9.53E-09
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	528	2	15	8.38E-07	5.34E-03	1.35E-05	1.12E-09	0.00E+00	1.19E-09	1.19E-09	0.00E+00	1.09E-09	1.09E-09	1.13E-04	8.20E-10	8.06E-09
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	2170	8	15	3.33E-06	2.19E-02	5.69E-05	4.67E-09	0.00E+00	4.94E-09	4.94E-09	0.00E+00	4.54E-09	4.54E-09	4.72E-04	3.30E-09	2.33E-08
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	364	1	15	5.58E-07	3.68E-03	9.55E-06	7.84E-10	0.00E+00	8.29E-10	8.29E-10	0.00E+00	7.62E-10	7.62E-10	7.92E-05	5.54E-10	3.90E-09
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	15	9.60E-06	6.33E-02	1.64E-04	1.35E-08	0.00E+00	1.43E-08	1.43E-08	0.00E+00	1.31E-08	1.31E-08	1.36E-03	9.52E-09	6.71E-08
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	15	1.15E-05	7.60E-02	1.97E-04	1.62E-08	0.00E+00	1.71E-08	1.71E-08	0.00E+00	1.57E-08	1.57E-08	1.63E-03	1.14E-08	8.06E-08
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	2191	8	15	3.36E-06	2.22E-02	5.75E-05	4.72E-09	0.00E+00	4.99E-09	4.99E-09	0.00E+00	4.59E-09	4.59E-09	4.77E-04	3.33E-09	2.35E-08
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	15	7.68E-06	5.07E-02	1.31E-04	1.08E-08	0.00E+00	1.14E-08	1.14E-08	0.00E+00	1.05E-08	1.05E-08	1.09E-03	7.62E-09	5.37E-08
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	15	9.56E-07	6.31E-03	1.64E-05	1.34E-09	0.00E+00	1.42E-09	1.42E-09	0.00E+00	1.31E-09	1.31E-09	1.36E-04	9.49E-10	6.69E-09
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	15	8.09E-07	5.34E-03	1.39E-05	1.14E-09	0.00E+00	1.20E-09	1.20E-09	0.00E+00	1.11E-09	1.11E-09	1.15E-04	8.03E-10	5.66E-09
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	1937.5	7	15	3.02E-06	1.96E-02	5.26E-05	4.25E-09	0.00E+00	4.61E-09	4.61E-09	0.00E+00	4.24E-09	4.24E-09	4.30E-04	2.95E-09	2.04E-08
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	416	2	15	6.49E-07	4.21E-03	1.13E-05	9.13E-10	0.00E+00	9.91E-10	9.91E-10	0.00E+00	9.11E-10	9.11E-10	9.23E-05	6.34E-10	4.37E-09
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	6260	24	15	9.77E-06	6.33E-02	1.70E-04	1.37E-08	0.00E+00	1.49E-08	1.49E-08	0.00E+00	1.37E-08	1.37E-08	1.39E-03	9.54E-09	6.58E-08
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	7512	29	15	1.17E-05	7.60E-02	2.04E-04	1.65E-08	0.00E+00	1.79E-08	1.79E-08	0.00E+00	1.65E-08	1.65E-08	1.67E-03	1.15E-08	7.89E-08
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	15	3.42E-06	2.22E-02	5.95E-05	4.81E-09	0.00E+00	5.22E-09	5.22E-09	0.00E+00	4.80E-09	4.80E-09	4.86E-04	3.34E-09	2.30E-08
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	5008	19	15	7.81E-06	5.06E-02	1.36E-04	1.10E-08	0.00E+00	1.19E-08	1.19E-08	0.00E+00	1.10E-08	1.10E-08	1.11E-03	7.64E-09	5.26E-08
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	624	2	15	9.73E-07	6.31E-03	1.69E-05	1.37E-09	0.00E+00	1.49E-09	1.49E-09	0.00E+00	1.37E-09	1.37E-09	1.38E-04	9.51E-10	6.56E-09
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	528	2	15	8.24E-07	5.34E-03	1.43E-05	1.16E-09	0.00E+00	1.26E-09	1.26E-09	0.00E+00	1.16E-09	1.16E-09	1.17E-04	8.05E-10	5.55E-09
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	468	2	15	7.50E-07	4.73E-03	1.31E-05	1.05E-09	0.00E+00	1.16E-09	1.16E-09	0.00E+00	1.07E-09	1.07E-09	1.06E-04	7.18E-10	3.93E-09
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	6260	24	15	1.00E-05	6.33E-02	1.76E-04	1.40E-08	0.00E+00	1.55E-08	1.55E-08	0.00E+00	1.43E-08	1.43E-08	1.42E-03	9.61E-09	5.26E-08
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	7512	29	15	1.20E-05	7.60E-02	2.11E-04	1.68E-08	0.00E+00	1.87E-08	1.87E-08	0.00E+00	1.72E-08	1.72E-08	1.70E-03	1.15E-08	6.31E-08
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	2191	8	15	3.51E-06	2.22E-02	6.15E-05	4.90E-09	0.00E+00	5.44E-09	5.44E-09	0.00E+00	5.00E-09	5.00E-09	4.95E-04	3.36E-09	1.84E-08
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	5008	19	15	8.02E-06	5.06E-02	1.40E-04	1.12E-08	0.00E+00	1.24E-08	1.24E-08	0.00E+00	1.14E-08	1.14E-08	1.13E-03	7.69E-09	4.21E-08
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	624	2	15	1.00E-06	6.31E-03	1.75E-05	1.40E-09	0.00E+00	1.55E-09	1.55E-09	0.00E+00	1.42E-09	1.42E-09	1.41E-04	9.58E-10	5.24E-09
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	528	2	15	8.46E-07	5.34E-03	1.48E-05	1.18E-09	0.00E+00	1.31E-09	1.31E-09	0.00E+00	1.21E-09	1.21E-09	1.19E-04	8.10E-10	4.44E-09
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	546	2	15	9.01E-07	5.52E-03	1.58E-05	1.24E-09	0.00E+00	1.40E-09	1.40E-09	0.00E+00	1.29E-09	1.29E-09	1.25E-04	8.38E-10	3.17E-09
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	7825	30	15	1.29E-05	7.91E-02	2.26E-04	1.78E-08	0.00E+00	2.01E-08	2.01E-08	0.00E+00	1.85E-08	1.85E-08	1.80E-03	1.20E-08	4.54E-08
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	9390	36	15	1.55E-05	9.50E-02	2.71E-04	2.13E-08	0.00E+00	2.42E-08	2.42E-08	0.00E+00	2.22E-08	2.22E-08	2.16E-03	1.44E-08	5.45E-08
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	2738.75	11	15	4.52E-06	2.77E-02	7.90E-05	6.22E-09	0.00E+00	7.04E-09	7.04E-09	0.00E+00	6.48E-09	6.48E-09	6.29E-04	4.20E-09	1.59E-08
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	6260	24	15	1.03E-05	6.33E-02	1.81E-04	1.42E-08	0.00E+00	1.61E-08	1.61E-08	0.00E+00	1.48E-08	1.48E-08	1.44E-03	9.60E-09	3.63E-08
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	780	3	15	1.29E-06	7.89E-03	2.25E-05	1.77E-09	0.00E+00	2.01E-09	2.01E-09	0.00E+00	1.84E-09	1.84E-09	1.79E-04	1.20E-09	4.53E-09
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	660	3	15	1.09E-06	6.67E-03	1.90E-05	1.50E-09	0.00E+00	1.70E-09	1.70E-09	0.00E+00	1.56E-09	1.56E-09	1.52E-04	1.01E-09	3.83E-09

							Haul Idling Emission Factors												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Emission Factor (g/min)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	2170	8	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	364	1	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	7512	29	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	2191	8	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	5008	19	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	0	0	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	624	2	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	528	2	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	2170	8	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	364	1	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	2191	8	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	1937.5	7	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	416	2	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	6260	24	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	7512	29	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	5008	19	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	0	0	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	0	0	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	624	2	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	528	2	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	468	2	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	6260	24	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	7512	29	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	2191	8	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	5008	19	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	0	0	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	0	0	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	624	2	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	528	2	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	546	2	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	7825	30	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	9390	36	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	2738.75	11	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	6260	24	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	0	0	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	0	0	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	0	0	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	780	3	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	660	3	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	2170	8	15	5.14E-03	6.54E-02	8.00E-02	1.05E-04	0.00E+00	2.76E-05	2.76E-05	0.00E+00	2.64E-05	2.64E-05	1.16E+01	4.77E-04	6.10E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	364	1	15	8.63E-04	1.10E-02	1.34E-02	1.76E-05	0.00E+00	4.64E-06	4.64E-06	0.00E+00	4.44E-06	4.44E-06	1.95E+00	7.99E-05	1.02E-03
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	15	1.48E-02	1.89E-01	2.31E-01	3.03E-04	0.00E+00	7.97E-05	7.97E-05	0.00E+00	7.63E-05	7.63E-05	3.36E+01	1.37E-03	1.76E-02
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	7512	29	15	1.78E-02	2.26E-01	2.77E-01	3.63E-04	0.00E+00	9.57E-05	9.57E-05	0.00E+00	9.16E-05	9.16E-05	4.03E+01	1.65E-03	2.11E-02
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	2191	8	15	5.19E-03	6.60E-02	8.08E-02	1.06E-04	0.00E+00	2.79E-05	2.79E-05	0.00E+00	2.67E-05	2.67E-05	1.18E+01	4.81E-04	6.15E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	5008	19	15	1.19E-02	1.51E-01	1.85E-01	2.42E-04	0.00E+00	6.38E-05	6.38E-05	0.00E+00	6.10E-05	6.10E-05	2.69E+01	1.10E-03	1.41E-02
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	624	2	15	1.48E-03	1.88E-02	2.30E-02	3.02E-05	0.00E+00	7.95E-06	7.95E-06	0.00E+00	7.61E-06	7.61E-06	3.35E+00	1.37E-04	1.75E-03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	528	2	15	1.25E-03	1.59E-02	1.95E-02	2.55E-05	0.00E+00	6.73E-06	6.73E-06	0.00E+00	6.44E-06	6.44E-06	2.83E+00	1.16E-04	1.48E-03
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	2170	8	15	5.14E-03	6.53E-02	8.01E-02	1.03E-04	0.00E+00	2.70E-05	2.70E-05	0.00E+00	2.59E-05	2.59E-05	1.14E+01	4.81E-04	6.09E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	364	1	15	8.62E-04	1.10E-02	1.34E-02	1.73E-05	0.00E+00	4.53E-06	4.53E-06	0.00E+00	4.34E-06	4.34E-06	1.92E+00	8.07E-05	1.02E-03
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	15	1.48E-02	1.88E-01	2.31E-01	2.97E-04	0.00E+00	7.80E-05	7.80E-05	0.00E+00	7.46E-05	7.46E-05	3.30E+01	1.39E-03	1.76E-02
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	15	1.78E-02	2.26E-01	2.77E-01	3.56E-04	0.00E+00	9.36E-05	9.36E-05	0.00E+00	8.95E-05	8.95E-05	3.96E+01	1.67E-03	2.11E-02
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	2191	8	15	5.19E-03	6.59E-02	8.08E-02	1.04E-04	0.00E+00	2.73E-05	2.73E-05	0.00E+00	2.61E-05	2.61E-05	1.16E+01	4.86E-04	6.15E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	15	1.19E-02	1.51E-01	1.85E-01	2.38E-04	0.00E+00	6.24E-05	6.24E-05	0.00E+00	5.97E-05	5.97E-05	2.64E+01	1.11E-03	1.41E-02
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	15	1.48E-03	1.88E-02	2.30E-02	2.96E-05	0.00E+00	7.77E-06	7.77E-06	0.00E+00	7.44E-06	7.44E-06	3.29E+00	1.38E-04	1.75E-03
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	15	1.25E-03	1.59E-02	1.95E-02	2.50E-05	0.00E+00	6.58E-06	6.58E-06	0.00E+00	6.29E-06	6.29E-06	2.79E+00	1.17E-04	1.48E-03
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	1937.5	7	15	4.58E-03	5.82E-02	7.15E-02	9.03E-05	0.00E+00	2.37E-05	2.37E-05	0.00E+00	2.27E-05	2.27E-05	1.01E+01	4.34E-04	5.44E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	416	2	15	9.84E-04	1.25E-02	1.54E-02	1.94E-05	0.00E+00	5.10E-06	5.10E-06	0.00E+00	4.88E-06	4.88E-06	2.16E+00	9.32E-05	1.17E-03
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	6260	24	15	1.48E-02	1.88E-01	2.31E-01	2.92E-04	0.00E+00	7.67E-05	7.67E-05	0.00E+00	7.34E-05	7.34E-05	3.25E+01	1.40E-03	1.76E-02
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	7512	29	15	1.78E-02	2.26E-01	2.77E-01	3.50E-04	0.00E+00	9.20E-05	9.20E-05	0.00E+00	8.80E-05	8.80E-05	3.90E+01	1.68E-03	2.11E-02
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	15	5.18E-03	6.58E-02	8.09E-02	1.02E-04	0.00E+00	2.68E-05	2.68E-05	0.00E+00	2.57E-05	2.57E-05	1.14E+01	4.91E-04	6.15E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	5008	19	15	1.18E-02	1.50E-01	1.85E-01	2.33E-04	0.00E+00	6.14E-05	6.14E-05	0.00E+00	5.87E-05	5.87E-05	2.60E+01	1.12E-03	1.41E-02
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	624	2	15	1.48E-03	1.87E-02	2.30E-02	2.91E-05	0.00E+00	7.64E-06	7.64E-06	0.00E+00	7.31E-06	7.31E-06	3.24E+00	1.40E-04	1.75E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	528	2	15	1.25E-03	1.59E-02	1.95E-02	2.46E-05	0.00E+00	6.47E-06	6.47E-06	0.00E+00	6.19E-06	6.19E-06	2.74E+00	1.18E-04	1.48E-03
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	468	2	15	1.11E-03	1.40E-02	1.73E-02	2.14E-05	0.00E+00	5.65E-06	5.65E-06	0.00E+00	5.40E-06	5.40E-06	2.39E+00	1.06E-04	1.31E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	6260	24	15	1.48E-02	1.88E-01	2.31E-01	2.87E-04	0.00E+00	7.56E-05	7.56E-05	0.00E+00	7.23E-05	7.23E-05	3.20E+01	1.42E-03	1.76E-02
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	7512	29	15	1.77E-02	2.25E-01	2.77E-01	3.44E-04	0.00E+00	9.07E-05	9.07E-05	0.00E+00	8.68E-05	8.68E-05	3.84E+01	1.70E-03	2.11E-02
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	2191	8	15	5.17E-03	6.57E-02	8.09E-02	1.00E-04	0.00E+00	2.64E-05	2.64E-05	0.00E+00	2.53E-05	2.53E-05	1.12E+01	4.95E-04	6.15E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	5008	19	15	1.18E-02	1.50E-01	1.85E-01	2.29E-04	0.00E+00	6.05E-05	6.05E-05	0.00E+00	5.78E-05	5.78E-05	2.56E+01	1.13E-03	1.40E-02
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	624	2	15	1.47E-03	1.87E-02	2.30E-02	2.86E-05	0.00E+00	7.53E-06	7.53E-06	0.00E+00	7.21E-06	7.21E-06	3.19E+00	1.41E-04	1.75E-03
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	528	2	15	1.25E-03	1.58E-02	1.95E-02	2.42E-05	0.00E+00	6.37E-06	6.37E-06	0.00E+00	6.10E-06	6.10E-06	2.70E+00	1.19E-04	1.48E-03
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	546	2	15	1.29E-03	1.64E-02	2.02E-02	2.46E-05	0.00E+00	6.49E-06	6.49E-06	0.00E+00	6.21E-06	6.21E-06	2.75E+00	1.25E-04	1.53E-03
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	7825	30	15	1.85E-02	2.34E-01	2.89E-01	3.53E-04	0.00E+00	9.29E-05	9.29E-05	0.00E+00	8.89E-05	8.89E-05	3.94E+01	1.78E-03	2.19E-02
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	9390	36	15	2.21E-02	2.81E-01	3.47E-01	4.23E-04	0.00E+00	1.12E-04	1.12E-04	0.00E+00	1.07E-04	1.07E-04	4.73E+01	2.14E-03	2.63E-02
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	2738.75	11	15	6.46E-03	8.21E-02	1.01E-01	1.24E-04	0.00E+00	3.25E-05	3.25E-05	0.00E+00	3.11E-05	3.11E-05	1.38E+01	6.25E-04	7.68E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	6260	24	15	1.48E-02	1.88E-01	2.31E-01	2.82E-04	0.00E+00	7.44E-05	7.44E-05	0.00E+00	7.11E-05	7.11E-05	3.15E+01	1.43E-03	1.76E-02
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	780	3	15	1.84E-03	2.34E-02	2.88E-02	3.52E-05	0.00E+00	9.27E-06	9.27E-06	0.00E+00	8.86E-06	8.86E-06	3.93E+00	1.78E-04	2.19E-03
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	660	3	15	1.56E-03	1.98E-02	2.44E-02	2.98E-05	0.00E+00	7.84E-06	7.84E-06	0.00E+00	7.50E-06	7.50E-06	3.33E+00	1.51E-04	1.85E-03

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Haul Running Emission Factors ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission Factor (g/mile)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	2170	8	0.5	1.84E-02	2.46E+00	1.99E-01	1.08E-02	1.89E+02	1.99E-02	1.89E+02	1.89E+01	1.90E-02	1.89E+01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	364	1	0.5	1.84E-02	2.46E+00	1.99E-01	1.08E-02	1.89E+02	1.99E-02	1.89E+02	1.89E+01	1.90E-02	1.89E+01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	0.5	1.84E-02	2.46E+00	1.99E-01	1.08E-02	1.89E+02	1.99E-02	1.89E+02	1.89E+01	1.90E-02	1.89E+01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	7512	29	0.5	1.84E-02	2.46E+00	1.99E-01	1.08E-02	1.89E+02	1.99E-02	1.89E+02	1.89E+01	1.90E-02	1.89E+01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	2191	8	0.5	1.84E-02	2.46E+00	1.99E-01	1.08E-02	1.89E+02	1.99E-02	1.89E+02	1.89E+01	1.90E-02	1.89E+01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	5008	19	0.5	1.84E-02	2.46E+00	1.99E-01	1.08E-02	1.89E+02	1.99E-02	1.89E+02	1.89E+01	1.90E-02	1.89E+01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	0	0	0.5	1.84E-02	2.46E+00	1.99E-01	1.08E-02	1.89E+02	1.99E-02	1.89E+02	1.89E+01	1.90E-02	1.89E+01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	0.5	1.84E-02	2.46E+00	1.99E-01	1.08E-02	1.89E+02	1.99E-02	1.89E+02	1.89E+01	1.90E-02	1.89E+01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	0.5	1.84E-02	2.46E+00	1.99E-01	1.08E-02	1.89E+02	1.99E-02	1.89E+02	1.89E+01	1.90E-02	1.89E+01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	624	2	0.5	1.84E-02	2.46E+00	1.99E-01	1.08E-02	1.89E+02	1.99E-02	1.89E+02	1.89E+01	1.90E-02	1.89E+01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	528	2	0.5	1.84E-02	2.46E+00	1.99E-01	1.08E-02	1.89E+02	1.99E-02	1.89E+02	1.89E+01	1.90E-02	1.89E+01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	2170	8	0.5	1.83E-02	2.46E+00	2.00E-01	1.06E-02	1.89E+02	1.94E-02	1.89E+02	1.89E+01	1.86E-02	1.89E+01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	364	1	0.5	1.83E-02	2.46E+00	2.00E-01	1.06E-02	1.89E+02	1.94E-02	1.89E+02	1.89E+01	1.86E-02	1.89E+01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	0.5	1.83E-02	2.46E+00	2.00E-01	1.06E-02	1.89E+02	1.94E-02	1.89E+02	1.89E+01	1.86E-02	1.89E+01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	0.5	1.83E-02	2.46E+00	2.00E-01	1.06E-02	1.89E+02	1.94E-02	1.89E+02	1.89E+01	1.86E-02	1.89E+01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	2191	8	0.5	1.83E-02	2.46E+00	2.00E-01	1.06E-02	1.89E+02	1.94E-02	1.89E+02	1.89E+01	1.86E-02	1.89E+01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	0.5	1.83E-02	2.46E+00	2.00E-01	1.06E-02	1.89E+02	1.94E-02	1.89E+02	1.89E+01	1.86E-02	1.89E+01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	0.5	1.83E-02	2.46E+00	2.00E-01	1.06E-02	1.89E+02	1.94E-02	1.89E+02	1.89E+01	1.86E-02	1.89E+01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	0.5	1.83E-02	2.46E+00	2.00E-01	1.06E-02	1.89E+02	1.94E-02	1.89E+02	1.89E+01	1.86E-02	1.89E+01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	0.5	1.83E-02	2.46E+00	2.00E-01	1.06E-02	1.89E+02	1.94E-02	1.89E+02	1.89E+01	1.86E-02	1.89E+01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	0.5	1.83E-02	2.46E+00	2.00E-01	1.06E-02	1.89E+02	1.94E-02	1.89E+02	1.89E+01	1.86E-02	1.89E+01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	0.5	1.83E-02	2.46E+00	2.00E-01	1.06E-02	1.89E+02	1.94E-02	1.89E+02	1.89E+01	1.86E-02	1.89E+01	1.12E+03	8.51E-04	1.76E-01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	1937.5	7	0.5	1.83E-02	2.46E+00	1.99E-01	1.04E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.85E-02	1.89E+01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	416	2	0.5	1.83E-02	2.46E+00	1.99E-01	1.04E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.85E-02	1.89E+01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	6260	24	0.5	1.83E-02	2.46E+00	1.99E-01	1.04E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.85E-02	1.89E+01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	7512	29	0.5	1.83E-02	2.46E+00	1.99E-01	1.04E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.85E-02	1.89E+01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	0.5	1.83E-02	2.46E+00	1.99E-01	1.04E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.85E-02	1.89E+01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	5008	19	0.5	1.83E-02	2.46E+00	1.99E-01	1.04E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.85E-02	1.89E+01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	0	0	0.5	1.83E-02	2.46E+00	1.99E-01	1.04E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.85E-02	1.89E+01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	0	0	0.5	1.83E-02	2.46E+00	1.99E-01	1.04E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.85E-02	1.89E+01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	0.5	1.83E-02	2.46E+00	1.99E-01	1.04E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.85E-02	1.89E+01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	624	2	0.5	1.83E-02	2.46E+00	1.99E-01	1.04E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.85E-02	1.89E+01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	528	2	0.5	1.83E-02	2.46E+00	1.99E-01	1.04E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.85E-02	1.89E+01	1.10E+03	8.50E-04	1.73E-01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	468	2	0.5	1.83E-02	2.46E+00	1.99E-01	1.02E-02	1.89E+02	1.92E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	6260	24	0.5	1.83E-02	2.46E+00	1.99E-01	1.02E-02	1.89E+02	1.92E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	7512	29	0.5	1.83E-02	2.46E+00	1.99E-01	1.02E-02	1.89E+02	1.92E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	2191	8	0.5	1.83E-02	2.46E+00	1.99E-01	1.02E-02	1.89E+02	1.92E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	5008	19	0.5	1.83E-02	2.46E+00	1.99E-01	1.02E-02	1.89E+02	1.92E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	0	0	0.5	1.83E-02	2.46E+00	1.99E-01	1.02E-02	1.89E+02	1.92E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	0	0	0.5	1.83E-02	2.46E+00	1.99E-01	1.02E-02	1.89E+02	1.92E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	0.5	1.83E-02	2.46E+00	1.99E-01	1.02E-02	1.89E+02	1.92E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	624	2	0.5	1.83E-02	2.46E+00	1.99E-01	1.02E-02	1.89E+02	1.92E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	528	2	0.5	1.83E-02	2.46E+00	1.99E-01	1.02E-02	1.89E+02	1.92E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.08E+03	8.49E-04	1.70E-01
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	546	2	0.5	1.82E-02	2.45E+00	1.99E-01	1.00E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	7825	30	0.5	1.82E-02	2.45E+00	1.99E-01	1.00E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	9390	36	0.5	1.82E-02	2.45E+00	1.99E-01	1.00E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	2738.75	11	0.5	1.82E-02	2.45E+00	1.99E-01	1.00E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	6260	24	0.5	1.82E-02	2.45E+00	1.99E-01	1.00E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	0	0	0.5	1.82E-02	2.45E+00	1.99E-01	1.00E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	0	0	0.5	1.82E-02	2.45E+00	1.99E-01	1.00E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	0	0	0.5	1.82E-02	2.45E+00	1.99E-01	1.00E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	780	3	0.5	1.82E-02	2.45E+00	1.99E-01	1.00E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	660	3	0.5	1.82E-02	2.45E+00	1.99E-01	1.00E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.06E+03	8.47E-04	1.67E-01

							Daily Emissions												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	2170	8	0.5	1.70E-04	2.26E-02	1.83E-03	9.93E-05	1.74E+00	1.83E-04	1.74E+00	1.73E-01	1.75E-04	1.74E-01	1.05E+01	7.88E-06	1.65E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	364	1	0.5	2.85E-05	3.80E-03	3.07E-04	1.67E-05	2.92E-01	3.07E-05	2.92E-01	2.91E-02	2.93E-05	2.91E-02	1.76E+00	1.32E-06	2.77E-04
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	0.5	4.90E-04	6.53E-02	5.28E-03	2.87E-04	5.01E+00	5.28E-04	5.01E+00	5.00E-01	5.05E-04	5.01E-01	3.03E+01	2.27E-05	4.77E-03
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	7512	29	0.5	5.88E-04	7.84E-02	6.34E-03	3.44E-04	6.02E+00	6.33E-04	6.02E+00	6.01E-01	6.06E-04	6.01E-01	3.64E+01	2.73E-05	5.72E-03
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	2191	8	0.5	1.71E-04	2.29E-02	1.85E-03	1.00E-04	1.75E+00	1.85E-04	1.75E+00	1.75E-01	1.77E-04	1.75E-01	1.06E+01	7.96E-06	1.67E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	5008	19	0.5	3.92E-04	5.22E-02	4.22E-03	2.29E-04	4.01E+00	4.22E-04	4.01E+00	4.00E-01	4.04E-04	4.01E-01	2.43E+01	1.82E-05	3.81E-03
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	624	2	0.5	4.88E-05	6.51E-03	5.26E-04	2.86E-05	5.00E-01	5.26E-05	5.00E-01	4.99E-02	5.03E-05	4.99E-02	3.02E+00	2.27E-06	4.75E-04
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	528	2	0.5	4.13E-05	5.51E-03	4.45E-04	2.42E-05	4.23E-01	4.45E-05	4.23E-01	4.22E-02	4.26E-05	4.23E-02	2.56E+00	1.92E-06	4.02E-04
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	2170	8	0.5	1.69E-04	2.26E-02	1.84E-03	9.73E-05	1.74E+00	1.78E-04	1.74E+00	1.73E-01	1.71E-04	1.74E-01	1.03E+01	7.83E-06	1.62E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	364	1	0.5	2.83E-05	3.79E-03	3.08E-04	1.63E-05	2.92E-01	2.99E-05	2.92E-01	2.91E-02	2.86E-05	2.91E-02	1.73E+00	1.31E-06	2.72E-04
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	0.5	4.87E-04	6.53E-02	5.30E-03	2.81E-04	5.01E+00	5.15E-04	5.01E+00	5.00E-01	4.92E-04	5.01E-01	2.97E+01	2.26E-05	4.67E-03
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	0.5	5.84E-04	7.83E-02	6.36E-03	3.37E-04	6.02E+00	6.18E-04	6.02E+00	6.01E-01	5.91E-04	6.01E-01	3.57E+01	2.71E-05	5.60E-03
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	2191	8	0.5	1.70E-04	2.28E-02	1.85E-03	9.82E-05	1.75E+00	1.80E-04	1.75E+00	1.75E-01	1.72E-04	1.75E-01	1.04E+01	7.91E-06	1.63E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	0.5	3.89E-04	5.22E-02	4.24E-03	2.25E-04	4.01E+00	4.12E-04	4.01E+00	4.00E-01	3.94E-04	4.01E-01	2.38E+01	1.81E-05	3.74E-03
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	0.5	4.85E-05	6.51E-03	5.28E-04	2.80E-05	5.00E-01	5.13E-05	5.00E-01	4.99E-02	4.91E-05	4.99E-02	2.96E+00	2.25E-06	4.66E-04
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	0.5	4.10E-05	5.50E-03	4.47E-04	2.37E-05	4.23E-01	4.34E-05	4.23E-01	4.22E-02	4.15E-05	4.23E-02	2.51E+00	1.91E-06	3.94E-04
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	1937.5	7	0.5	1.50E-04	2.02E-02	1.64E-03	8.53E-05	1.55E+00	1.59E-04	1.55E+00	1.55E-01	1.52E-04	1.55E-01	9.03E+00	6.98E-06	1.42E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	416	2	0.5	3.23E-05	4.33E-03	3.52E-04	1.83E-05	3.33E-01	3.40E-05	3.33E-01	3.33E-02	3.26E-05	3.33E-02	1.94E+00	1.50E-06	3.05E-04
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	6260	24	0.5	4.86E-04	6.52E-02	5.29E-03	2.76E-04	5.01E+00	5.12E-04	5.01E+00	5.00E-01	4.90E-04	5.01E-01	2.92E+01	2.26E-05	4.58E-03
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	7512	29	0.5	5.83E-04	7.83E-02	6.35E-03	3.31E-04	6.02E+00	6.15E-04	6.02E+00	6.01E-01	5.88E-04	6.01E-01	3.50E+01	2.71E-05	5.50E-03
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	0.5	1.70E-04	2.28E-02	1.85E-03	9.64E-05	1.75E+00	1.79E-04	1.75E+00	1.75E-01	1.71E-04	1.75E-01	1.02E+01	7.90E-06	1.60E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	5008	19	0.5	3.89E-04	5.22E-02	4.23E-03	2.20E-04	4.01E+00	4.10E-04	4.01E+00	4.00E-01	3.92E-04	4.01E-01	2.33E+01	1.80E-05	3.67E-03
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	624	2	0.5	4.84E-05	6.50E-03	5.28E-04	2.75E-05	5.00E-01	5.11E-05	5.00E-01	4.99E-02	4.88E-05	4.99E-02	2.91E+00	2.25E-06	4.57E-04
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	528	2	0.5	4.10E-05	5.50E-03	4.46E-04	2.32E-05	4.23E-01	4.32E-05	4.23E-01	4.22E-02	4.13E-05	4.23E-02	2.46E+00	1.90E-06	3.87E-04
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	468	2	0.5	3.62E-05	4.87E-03	3.95E-04	2.02E-05	3.75E-01	3.81E-05	3.75E-01	3.74E-02	3.65E-05	3.75E-02	2.14E+00	1.68E-06	3.37E-04
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	6260	24	0.5	4.85E-04	6.52E-02	5.29E-03	2.71E-04	5.01E+00	5.10E-04	5.01E+00	5.00E-01	4.88E-04	5.01E-01	2.87E+01	2.25E-05	4.51E-03
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	7512	29	0.5	5.82E-04	7.82E-02	6.35E-03	3.25E-04	6.02E+00	6.12E-04	6.02E+00	6.01E-01	5.85E-04	6.01E-01	3.44E+01	2.70E-05	5.41E-03
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	2191	8	0.5	1.70E-04	2.28E-02	1.85E-03	9.48E-05	1.75E+00	1.78E-04	1.75E+00	1.75E-01	1.71E-04	1.75E-01	1.00E+01	7.88E-06	1.58E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	5008	19	0.5	3.88E-04	5.21E-02	4.23E-03	2.17E-04	4.01E+00	4.08E-04	4.01E+00	4.00E-01	3.90E-04	4.01E-01	2.29E+01	1.80E-05	3.60E-03
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	624	2	0.5	4.83E-05	6.50E-03	5.27E-04	2.70E-05	5.00E-01	5.08E-05	5.00E-01	4.99E-02	4.86E-05	4.99E-02	2.86E+00	2.24E-06	4.49E-04
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	528	2	0.5	4.09E-05	5.50E-03	4.46E-04	2.28E-05	4.23E-01	4.30E-05	4.23E-01	4.22E-02	4.11E-05	4.23E-02	2.42E+00	1.90E-06	3.80E-04
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	546	2	0.5	4.22E-05	5.68E-03	4.60E-04	2.32E-05	4.37E-01	4.42E-05	4.37E-01	4.37E-02	4.23E-05	4.37E-02	2.46E+00	1.96E-06	3.87E-04
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	7825	30	0.5	6.05E-04	8.14E-02	6.60E-03	3.33E-04	6.27E+00	6.34E-04	6.27E+00	6.26E-01	6.06E-04	6.26E-01	3.53E+01	2.81E-05	5.54E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	9390	36	0.5	7.26E-04	9.77E-02	7.92E-03	4.00E-04	7.52E+00	7.61E-04	7.52E+00	7.51E-01	7.28E-04	7.51E-01	4.23E+01	3.37E-05	6.65E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	2738.75	11	0.5	2.12E-04	2.85E-02	2.31E-03	1.17E-04	2.19E+00	2.22E-04	2.19E+00	2.19E-01	2.12E-04	2.19E-01	1.23E+01	9.83E-06	1.94E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	6260	24	0.5	4.84E-04	6.51E-02	5.28E-03	2.66E-04	5.01E+00	5.07E-04	5.01E+00	5.00E-01	4.85E-04	5.01E-01	2.82E+01	2.25E-05	4.43E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	780	3	0.5	6.03E-05	8.11E-03	6.58E-04	3.32E-05	6.25E-01	6.32E-05	6.25E-01	6.24E-02	6.05E-05	6.24E-02	3.51E+00	2.80E-06	5.52E-04
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	660	3	0.5	5.10E-05	6.86E-03	5.57E-04	2.81E-05	5.29E-01	5.35E-05	5.29E-01	5.28E-02	5.12E-05	5.28E-02	2.97E+00	2.37E-06	4.67E-04

						Vendor Starting/Evaporative Emission Factors												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission Factor (g/trip)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	10	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	4	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	2	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	15	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	6	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	7	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	6	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	4	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	6	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	10	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	4	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	15	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	9.5	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	3	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	2	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	7	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	6	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	4	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	2	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	25	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	2	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	6	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	7	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	6	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	4	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	6	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	2.5	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	31.25	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	2.5	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	18.75	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	7.5	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.75	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	7.5	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	5	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	7.5	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03

						Daily Emissions													
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	10	0.5	15	7.59E-04	2.25E-02	4.59E-03	4.71E-07	0.00E+00	5.54E-07	5.54E-07	0.00E+00	5.09E-07	5.09E-07	4.76E-02	4.54E-05	4.13E-05
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	4	0.5	15	3.04E-04	8.99E-03	1.84E-03	1.88E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.04E-07	2.04E-07	1.90E-02	1.82E-05	1.65E-05
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	0.5	15	1.90E-03	5.62E-02	1.15E-02	1.18E-06	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	1.19E-01	1.14E-04	1.03E-04
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	2	0.5	15	1.52E-04	4.49E-03	9.18E-04	9.42E-08	0.00E+00	1.11E-07	1.11E-07	0.00E+00	1.02E-07	1.02E-07	9.51E-03	9.09E-06	8.26E-06
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	15	0.5	15	1.14E-03	3.37E-02	6.88E-03	7.06E-07	0.00E+00	8.31E-07	8.31E-07	0.00E+00	7.64E-07	7.64E-07	7.14E-02	6.81E-05	6.19E-05
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	6	0.5	15	4.55E-04	1.35E-02	2.75E-03	2.82E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.85E-02	2.73E-05	2.48E-05
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	7	0.5	15	5.31E-04	1.57E-02	3.21E-03	3.30E-07	0.00E+00	3.88E-07	3.88E-07	0.00E+00	3.56E-07	3.56E-07	3.33E-02	3.18E-05	2.89E-05
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	6	0.5	15	4.55E-04	1.35E-02	2.75E-03	2.82E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.85E-02	2.73E-05	2.48E-05
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	4	0.5	15	3.04E-04	8.99E-03	1.84E-03	1.88E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.04E-07	2.04E-07	1.90E-02	1.82E-05	1.65E-05
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	6	0.5	15	4.55E-04	1.35E-02	2.75E-03	2.82E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.85E-02	2.73E-05	2.48E-05
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	10	0.5	15	7.35E-04	2.25E-02	4.45E-03	4.59E-07	0.00E+00	5.52E-07	5.52E-07	0.00E+00	5.07E-07	5.07E-07	4.64E-02	4.45E-05	4.10E-05
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	4	0.5	15	2.94E-04	9.00E-03	1.78E-03	1.84E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.03E-07	2.03E-07	1.86E-02	1.78E-05	1.64E-05
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	0.5	15	1.84E-03	5.62E-02	1.11E-02	1.15E-06	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	1.16E-01	1.11E-04	1.02E-04
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	0.5	15	1.47E-04	4.50E-03	8.89E-04	9.19E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.01E-07	1.01E-07	9.28E-03	8.90E-06	8.20E-06
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	15	0.5	15	1.10E-03	3.37E-02	6.67E-03	6.89E-07	0.00E+00	8.28E-07	8.28E-07	0.00E+00	7.61E-07	7.61E-07	6.96E-02	6.68E-05	6.15E-05
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	0.5	15	4.41E-04	1.35E-02	2.67E-03	2.76E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.78E-02	2.67E-05	2.46E-05
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	0.5	15	5.15E-04	1.57E-02	3.11E-03	3.21E-07	0.00E+00	3.86E-07	3.86E-07	0.00E+00	3.55E-07	3.55E-07	3.25E-02	3.12E-05	2.87E-05
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	0.5	15	4.41E-04	1.35E-02	2.67E-03	2.76E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.78E-02	2.67E-05	2.46E-05
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	0.5	15	2.94E-04	9.00E-03	1.78E-03	1.84E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.03E-07	2.03E-07	1.86E-02	1.78E-05	1.64E-05
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	0.5	15	4.41E-04	1.35E-02	2.67E-03	2.76E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.78E-02	2.67E-05	2.46E-05
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	9.5	0.5	15	6.80E-04	2.14E-02	4.12E-03	4.27E-07	0.00E+00	5.24E-07	5.24E-07	0.00E+00	4.82E-07	4.82E-07	4.32E-02	4.17E-05	3.88E-05
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	3	0.5	15	2.15E-04	6.75E-03	1.30E-03	1.35E-07	0.00E+00	1.65E-07	1.65E-07	0.00E+00	1.52E-07	1.52E-07	1.36E-02	1.32E-05	1.22E-05
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	0.5	15	1.79E-03	5.63E-02	1.08E-02	1.12E-06	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	1.14E-01	1.10E-04	1.02E-04
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	2	0.5	15	1.43E-04	4.50E-03	8.67E-04	9.00E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.01E-07	1.01E-07	9.09E-03	8.78E-06	8.16E-06
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	0.5	15	1.07E-03	3.38E-02	6.50E-03	6.75E-07	0.00E+00	8.27E-07	8.27E-07	0.00E+00	7.60E-07	7.60E-07	6.82E-02	6.58E-05	6.12E-05
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	0.5	15	4.30E-04	1.35E-02	2.60E-03	2.70E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.73E-02	2.63E-05	2.45E-05
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	7	0.5	15	5.01E-04	1.58E-02	3.03E-03	3.15E-07	0.00E+00	3.86E-07	3.86E-07	0.00E+00	3.55E-07	3.55E-07	3.18E-02	3.07E-05	2.86E-05
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	6	0.5	15	4.30E-04	1.35E-02	2.60E-03	2.70E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.73E-02	2.63E-05	2.45E-05
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	4	0.5	15	2.86E-04	9.01E-03	1.73E-03	1.80E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.03E-07	2.03E-07	1.82E-02	1.76E-05	1.63E-05
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	0.5	15	4.30E-04	1.35E-02	2.60E-03	2.70E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.73E-02	2.63E-05	2.45E-05
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	2	0.5	15	1.40E-04	4.51E-03	8.49E-04	8.84E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.02E-07	1.02E-07	8.94E-03	8.68E-06	8.15E-06
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	25	0.5	15	1.75E-03	5.63E-02	1.06E-02	1.11E-06	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	1.12E-01	1.09E-04	1.02E-04
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	2	0.5	15	1.40E-04	4.51E-03	8.49E-04	8.84E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.02E-07	1.02E-07	8.94E-03	8.68E-06	8.15E-06
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	0.5	15	1.05E-03	3.38E-02	6.37E-03	6.63E-07	0.00E+00	8.28E-07	8.28E-07	0.00E+00	7.61E-07	7.61E-07	6.70E-02	6.51E-05	6.11E-05
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	6	0.5	15	4.20E-04	1.35E-02	2.55E-03	2.65E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.05E-07	3.05E-07	2.68E-02	2.61E-05	2.44E-05
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	7	0.5	15	4.90E-04	1.58E-02	2.97E-03	3.09E-07	0.00E+00	3.86E-07	3.86E-07	0.00E+00	3.55E-07	3.55E-07	3.13E-02	3.04E-05	2.85E-05
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	6	0.5	15	4.20E-04	1.35E-02	2.55E-03	2.65E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.05E-07	3.05E-07	2.68E-02	2.61E-05	2.44E-05
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	4	0.5	15	2.80E-04	9.01E-03	1.70E-03	1.77E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.03E-07	2.03E-07	1.79E-02	1.74E-05	1.63E-05
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	6	0.5	15	4.20E-04	1.35E-02	2.55E-03	2.65E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.05E-07	3.05E-07	2.68E-02	2.61E-05	2.44E-05
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	2.5	0.5	15	1.71E-04	5.64E-03	1.04E-03	1.09E-07	0.00E+00	1.38E-07	1.38E-07	0.00E+00	1.27E-07	1.27E-07	1.10E-02	1.08E-05	1.02E-05
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	31.25	0.5	15	2.14E-03	7.04E-02	1.30E-02	1.36E-06	0.00E+00	1.73E-06	1.73E-06	0.00E+00	1.59E-06	1.59E-06	1.37E-01	1.34E-04	1.27E-04
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	2.5	0.5	15	1.71E-04	5.64E-03	1.04E-03	1.09E-07	0.00E+00	1.38E-07	1.38E-07	0.00E+00	1.27E-07	1.27E-07	1.10E-02	1.08E-05	1.02E-05
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	18.75	0.5	15	1.29E-03	4.23E-02	7.80E-03	8.15E-07	0.00E+00	1.04E-06	1.04E-06	0.00E+00	9.54E-07	9.54E-07	8.24E-02	8.06E-05	7.63E-05
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	7.5	0.5	15	5.14E-04	1.69E-02	3.12E-03	3.26E-07	0.00E+00	4.15E-07	4.15E-07	0.00E+00	3.81E-07	3.81E-07	3.30E-02	3.23E-05	3.05E-05
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.75	0.5	15	6.00E-04	1.97E-02	3.64E-03	3.80E-07	0.00E+00	4.84E-07	4.84E-07	0.00E+00	4.45E-07	4.45E-07	3.84E-02	3.76E-05	3.56E-05
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	7.5	0.5	15	5.14E-04	1.69E-02	3.12E-03	3.26E-07	0.00E+00	4.15E-07	4.15E-07	0.00E+00	3.81E-07	3.81E-07	3.30E-02	3.23E-05	3.05E-05
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	5	0.5	15	3.43E-04	1.13E-02	2.08E-03	2.17E-07	0.00E+00	2.77E-07	2.77E-07	0.00E+00	2.54E-07	2.54E-07	2.20E-02	2.15E-05	2.03E-05
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	7.5	0.5	15	5.14E-04	1.69E-02	3.12E-03	3.26E-07	0.00E+00	4.15E-07	4.15E-07	0.00E+00	3.81E-07	3.81E-07	3.30E-02	3.23E-05	3.05E-05

						Vendor Idling Emission Factors												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission Factor (g/min)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	10	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	4	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	2	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	15	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	6	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	7	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	6	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	4	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	6	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	10	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	4	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	15	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	9.5	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	3	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	2	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	7	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	6	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	4	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	2	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	25	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	2	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	6	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	7	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	6	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	4	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	6	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	2.5	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	31.25	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	2.5	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	18.75	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	7.5	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.75	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	7.5	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	5	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	7.5	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02

						Daily Emissions													
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	10	0.5	15	1.65E-01	6.16E-04	5.17E-03	1.01E-02	1.02E-05	0.00E+00	2.14E-06	2.14E-06	0.00E+00	2.05E-06	2.05E-06	1.08E+00	6.69E-05
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	4	0.5	15	6.61E-02	2.47E-04	2.07E-03	4.05E-03	4.10E-06	0.00E+00	8.57E-07	8.57E-07	0.00E+00	8.20E-07	8.20E-07	4.33E-01	2.68E-05
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	0.5	15	4.13E-01	1.54E-03	1.29E-02	2.53E-02	2.56E-05	0.00E+00	5.36E-06	5.36E-06	0.00E+00	5.12E-06	5.12E-06	2.71E+00	1.67E-04
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	2	0.5	15	3.31E-02	1.23E-04	1.03E-03	2.03E-03	2.05E-06	0.00E+00	4.28E-07	4.28E-07	0.00E+00	4.10E-07	4.10E-07	2.16E-01	1.34E-05
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	15	0.5	15	2.48E-01	9.25E-04	7.75E-03	1.52E-02	1.54E-05	0.00E+00	3.21E-06	3.21E-06	0.00E+00	3.07E-06	3.07E-06	1.62E+00	1.00E-04
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	6	0.5	15	9.92E-02	3.70E-04	3.10E-03	6.08E-03	6.15E-06	0.00E+00	1.29E-06	1.29E-06	0.00E+00	1.23E-06	1.23E-06	6.49E-01	4.02E-05
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	7	0.5	15	1.16E-01	4.31E-04	3.62E-03	7.09E-03	7.17E-06	0.00E+00	1.50E-06	1.50E-06	0.00E+00	1.43E-06	1.43E-06	7.58E-01	4.68E-05
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	6	0.5	15	9.92E-02	3.70E-04	3.10E-03	6.08E-03	6.15E-06	0.00E+00	1.29E-06	1.29E-06	0.00E+00	1.23E-06	1.23E-06	6.49E-01	4.02E-05
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	4	0.5	15	6.61E-02	2.47E-04	2.07E-03	4.05E-03	4.10E-06	0.00E+00	8.57E-07	8.57E-07	0.00E+00	8.20E-07	8.20E-07	4.33E-01	2.68E-05
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	6	0.5	15	9.92E-02	3.70E-04	3.10E-03	6.08E-03	6.15E-06	0.00E+00	1.29E-06	1.29E-06	0.00E+00	1.23E-06	1.23E-06	6.49E-01	4.02E-05
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	10	0.5	15	1.65E-01	6.13E-04	5.13E-03	1.01E-02	1.01E-05	0.00E+00	2.02E-06	2.02E-06	0.00E+00	1.93E-06	1.93E-06	1.07E+00	6.67E-05
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	4	0.5	15	6.61E-02	2.45E-04	2.05E-03	4.03E-03	4.04E-06	0.00E+00	8.08E-07	8.08E-07	0.00E+00	7.74E-07	7.74E-07	4.27E-01	2.67E-05
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	0.5	15	4.13E-01	1.53E-03	1.28E-02	2.52E-02	2.52E-05	0.00E+00	5.05E-06	5.05E-06	0.00E+00	4.83E-06	4.83E-06	2.67E+00	1.67E-04
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	0.5	15	3.31E-02	1.23E-04	1.03E-03	2.02E-03	2.02E-06	0.00E+00	4.04E-07	4.04E-07	0.00E+00	3.87E-07	3.87E-07	2.13E-01	1.33E-05
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	15	0.5	15	2.48E-01	9.19E-04	7.70E-03	1.51E-02	1.51E-05	0.00E+00	3.03E-06	3.03E-06	0.00E+00	2.90E-06	2.90E-06	1.60E+00	1.00E-04
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	0.5	15	9.92E-02	3.68E-04	3.08E-03	6.05E-03	6.06E-06	0.00E+00	1.21E-06	1.21E-06	0.00E+00	1.16E-06	1.16E-06	6.40E-01	4.00E-05
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	0.5	15	1.16E-01	4.29E-04	3.59E-03	7.06E-03	7.07E-06	0.00E+00	1.41E-06	1.41E-06	0.00E+00	1.35E-06	1.35E-06	7.47E-01	4.67E-05
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	0.5	15	9.92E-02	3.68E-04	3.08E-03	6.05E-03	6.06E-06	0.00E+00	1.21E-06	1.21E-06	0.00E+00	1.16E-06	1.16E-06	6.40E-01	4.00E-05
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	0.5	15	6.61E-02	2.45E-04	2.05E-03	4.03E-03	4.04E-06	0.00E+00	8.08E-07	8.08E-07	0.00E+00	7.74E-07	7.74E-07	4.27E-01	2.67E-05
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	0.5	15	9.92E-02	3.68E-04	3.08E-03	6.05E-03	6.06E-06	0.00E+00	1.21E-06	1.21E-06	0.00E+00	1.16E-06	1.16E-06	6.40E-01	4.00E-05
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	9.5	0.5	15	1.57E-01	5.80E-04	4.85E-03	9.56E-03	9.45E-06	0.00E+00	1.84E-06	1.84E-06	0.00E+00	1.76E-06	1.76E-06	9.99E-01	6.33E-05
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	3	0.5	15	4.96E-02	1.83E-04	1.53E-03	3.02E-03	2.98E-06	0.00E+00	5.81E-07	5.81E-07	0.00E+00	5.55E-07	5.55E-07	3.16E-01	2.00E-05
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	0.5	15	4.13E-01	1.53E-03	1.28E-02	2.52E-02	2.49E-05	0.00E+00	4.84E-06	4.84E-06	0.00E+00	4.63E-06	4.63E-06	2.63E+00	1.67E-04
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	2	0.5	15	3.31E-02	1.22E-04	1.02E-03	2.01E-03	1.99E-06	0.00E+00	3.87E-07	3.87E-07	0.00E+00	3.70E-07	3.70E-07	2.10E-01	1.33E-05
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	0.5	15	2.48E-01	9.15E-04	7.66E-03	1.51E-02	1.49E-05	0.00E+00	2.90E-06	2.90E-06	0.00E+00	2.78E-06	2.78E-06	1.58E+00	9.99E-05
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	0.5	15	9.92E-02	3.66E-04	3.06E-03	6.04E-03	5.97E-06	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.11E-06	1.11E-06	6.31E-01	4.00E-05
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	7	0.5	15	1.16E-01	4.27E-04	3.57E-03	7.05E-03	6.96E-06	0.00E+00	1.35E-06	1.35E-06	0.00E+00	1.30E-06	1.30E-06	7.36E-01	4.66E-05
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	6	0.5	15	9.92E-02	3.66E-04	3.06E-03	6.04E-03	5.97E-06	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.11E-06	1.11E-06	6.31E-01	4.00E-05
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	4	0.5	15	6.61E-02	2.44E-04	2.04E-03	4.03E-03	3.98E-06	0.00E+00	7.74E-07	7.74E-07	0.00E+00	7.41E-07	7.41E-07	4.21E-01	2.66E-05
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	0.5	15	9.92E-02	3.66E-04	3.06E-03	6.04E-03	5.97E-06	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.11E-06	1.11E-06	6.31E-01	4.00E-05
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	2	0.5	15	3.31E-02	1.22E-04	1.02E-03	2.01E-03	1.96E-06	0.00E+00	3.73E-07	3.73E-07	0.00E+00	3.57E-07	3.57E-07	2.08E-01	1.33E-05
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	25	0.5	15	4.13E-01	1.52E-03	1.27E-02	2.51E-02	2.45E-05	0.00E+00	4.66E-06	4.66E-06	0.00E+00	4.46E-06	4.46E-06	2.60E+00	1.67E-04
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	2	0.5	15	3.31E-02	1.22E-04	1.02E-03	2.01E-03	1.96E-06	0.00E+00	3.73E-07	3.73E-07	0.00E+00	3.57E-07	3.57E-07	2.08E-01	1.33E-05
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	0.5	15	2.48E-01	9.13E-04	7.62E-03	1.51E-02	1.47E-05	0.00E+00	2.80E-06	2.80E-06	0.00E+00	2.68E-06	2.68E-06	1.56E+00	1.00E-04
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	6	0.5	15	9.92E-02	3.65E-04	3.05E-03	6.03E-03	5.89E-06	0.00E+00	1.12E-06	1.12E-06	0.00E+00	1.07E-06	1.07E-06	6.23E-01	4.00E-05
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	7	0.5	15	1.16E-01	4.26E-04	3.56E-03	7.04E-03	6.87E-06	0.00E+00	1.31E-06	1.31E-06	0.00E+00	1.25E-06	1.25E-06	7.27E-01	4.67E-05
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	6	0.5	15	9.92E-02	3.65E-04	3.05E-03	6.03E-03	5.89E-06	0.00E+00	1.12E-06	1.12E-06	0.00E+00	1.07E-06	1.07E-06	6.23E-01	4.00E-05
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	4	0.5	15	6.61E-02	2.44E-04	2.03E-03	4.02E-03	3.93E-06	0.00E+00	7.46E-07	7.46E-07	0.00E+00	7.14E-07	7.14E-07	4.15E-01	2.67E-05
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	6	0.5	15	9.92E-02	3.65E-04	3.05E-03	6.03E-03	5.89E-06	0.00E+00	1.12E-06	1.12E-06	0.00E+00	1.07E-06	1.07E-06	6.23E-01	4.00E-05
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	2.5	0.5	15	4.13E-02	1.52E-04	1.26E-03	2.51E-03	2.42E-06	0.00E+00	4.51E-07	4.51E-07	0.00E+00	4.31E-07	4.31E-07	2.56E-01	1.67E-05
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	31.25	0.5	15	5.17E-01	1.90E-03	1.58E-02	3.14E-02	3.03E-05	0.00E+00	5.64E-06	5.64E-06	0.00E+00	5.39E-06	5.39E-06	3.20E+00	2.08E-04
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	2.5	0.5	15	4.13E-02	1.52E-04	1.26E-03	2.51E-03	2.42E-06	0.00E+00	4.51E-07	4.51E-07	0.00E+00	4.31E-07	4.31E-07	2.56E-01	1.67E-05
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	18.75	0.5	15	3.10E-01	1.14E-03	9.48E-03	1.88E-02	1.82E-05	0.00E+00	3.38E-06	3.38E-06	0.00E+00	3.24E-06	3.24E-06	1.92E+00	1.25E-04
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	7.5	0.5	15	1.24E-01	4.56E-04	3.79E-03	7.53E-03	7.27E-06	0.00E+00	1.35E-06	1.35E-06	0.00E+00	1.29E-06	1.29E-06	7.69E-01	5.00E-05
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.75	0.5	15	1.45E-01	5.31E-04	4.42E-03	8.79E-03	8.48E-06	0.00E+00	1.58E-06	1.58E-06	0.00E+00	1.51E-06	1.51E-06	8.97E-01	5.83E-05
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	7.5	0.5	15	1.24E-01	4.56E-04	3.79E-03	7.53E-03	7.27E-06	0.00E+00	1.35E-06	1.35E-06	0.00E+00	1.29E-06	1.29E-06	7.69E-01	5.00E-05
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	5	0.5	15	8.27E-02	3.04E-04	2.53E-03	5.02E-03	4.85E-06	0.00E+00	9.02E-07	9.02E-07	0.00E+00	8.63E-07	8.63E-07	5.13E-01	3.33E-05
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	7.5	0.5	15	1.24E-01	4.56E-04	3.79E-03	7.53E-03	7.27E-06	0.00E+00	1.35E-06	1.35E-06	0.00E+00	1.29E-06	1.29E-06	7.69E-01	5.00E-05

						Vendor Running Emission Factors												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission Factor (g/mile)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	10	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	4	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	2	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	15	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	6	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	7	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	6	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	4	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	6	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	10	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	4	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	15	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	9.5	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	3	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	2	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	7	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	6	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	4	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	2	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	25	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	2	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	6	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	7	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	6	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	4	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	6	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	2.5	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	31.25	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	2.5	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	18.75	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	7.5	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.75	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	7.5	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	5	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	7.5	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	10	0.5	15	1.66E-04	1.84E-02	3.24E-03	1.06E-04	2.08	1.33E-03	2.08E+00	2.08E-01	1.40E-04	2.08E-01	1.15E+01	4.43E-04	1.66E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	4	0.5	15	6.64E-05	7.36E-03	1.30E-03	4.23E-05	0.83	5.31E-04	8.33E-01	8.32E-02	5.61E-05	8.33E-02	4.58E+00	1.77E-04	6.63E-04
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	0.5	15	4.15E-04	4.60E-02	8.11E-03	2.65E-04	5.21	3.32E-03	5.21E+00	5.20E-01	3.51E-04	5.20E-01	2.86E+01	1.11E-03	4.14E-03
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	2	0.5	15	3.32E-05	3.68E-03	6.49E-04	2.12E-05	0.42	2.66E-04	4.17E-01	4.16E-02	2.80E-05	4.16E-02	2.29E+00	8.87E-05	3.31E-04
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	15	0.5	15	2.49E-04	2.76E-02	4.86E-03	1.59E-04	3.12	1.99E-03	3.13E+00	3.12E-01	2.10E-04	3.12E-01	1.72E+01	6.65E-04	2.48E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	6	0.5	15	9.96E-05	1.10E-02	1.95E-03	6.35E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.41E-05	1.25E-01	6.87E+00	2.66E-04	9.94E-04
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	7	0.5	15	1.16E-04	1.29E-02	2.27E-03	7.41E-05	1.46	9.30E-04	1.46E+00	1.46E-01	9.82E-05	1.46E-01	8.02E+00	3.10E-04	1.16E-03
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	6	0.5	15	9.96E-05	1.10E-02	1.95E-03	6.35E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.41E-05	1.25E-01	6.87E+00	2.66E-04	9.94E-04
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	4	0.5	15	6.64E-05	7.36E-03	1.30E-03	4.23E-05	0.83	5.31E-04	8.33E-01	8.32E-02	5.61E-05	8.33E-02	4.58E+00	1.77E-04	6.63E-04
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	6	0.5	15	9.96E-05	1.10E-02	1.95E-03	6.35E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.41E-05	1.25E-01	6.87E+00	2.66E-04	9.94E-04
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	10	0.5	15	1.63E-04	1.83E-02	3.24E-03	1.04E-04	2.08	1.33E-03	2.08E+00	2.08E-01	1.37E-04	2.08E-01	1.12E+01	4.45E-04	1.63E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	4	0.5	15	6.51E-05	7.32E-03	1.30E-03	4.16E-05	0.83	5.31E-04	8.33E-01	8.32E-02	5.47E-05	8.33E-02	4.50E+00	1.78E-04	6.51E-04
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	0.5	15	4.07E-04	4.58E-02	8.11E-03	2.60E-04	5.21	3.32E-03	5.21E+00	5.20E-01	3.42E-04	5.20E-01	2.81E+01	1.11E-03	4.07E-03
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	0.5	15	3.26E-05	3.66E-03	6.49E-04	2.08E-05	0.42	2.66E-04	4.17E-01	4.16E-02	2.74E-05	4.16E-02	2.25E+00	8.89E-05	3.25E-04
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	15	0.5	15	2.44E-04	2.75E-02	4.87E-03	1.56E-04	3.12	1.99E-03	3.13E+00	3.12E-01	2.05E-04	3.12E-01	1.69E+01	6.67E-04	2.44E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	0.5	15	9.77E-05	1.10E-02	1.95E-03	6.23E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.21E-05	1.25E-01	6.75E+00	2.67E-04	9.76E-04
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	0.5	15	1.14E-04	1.28E-02	2.27E-03	7.27E-05	1.46	9.30E-04	1.46E+00	1.46E-01	9.57E-05	1.46E-01	7.87E+00	3.11E-04	1.14E-03
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	0.5	15	9.77E-05	1.10E-02	1.95E-03	6.23E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.21E-05	1.25E-01	6.75E+00	2.67E-04	9.76E-04
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	0.5	15	6.51E-05	7.32E-03	1.30E-03	4.16E-05	0.83	5.31E-04	8.33E-01	8.32E-02	5.47E-05	8.33E-02	4.50E+00	1.78E-04	6.51E-04
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	0.5	15	9.77E-05	1.10E-02	1.95E-03	6.23E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.21E-05	1.25E-01	6.75E+00	2.67E-04	9.76E-04
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	9.5	0.5	15	1.52E-04	1.73E-02	3.08E-03	9.71E-05	1.98	1.26E-03	1.98E+00	1.98E-01	1.29E-04	1.98E-01	1.05E+01	4.24E-04	1.52E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	3	0.5	15	4.81E-05	5.45E-03	9.73E-04	3.07E-05	0.62	3.99E-04	6.25E-01	6.24E-02	4.08E-05	6.24E-02	3.32E+00	1.34E-04	4.80E-04
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	0.5	15	4.01E-04	4.54E-02	8.11E-03	2.55E-04	5.21	3.32E-03	5.21E+00	5.20E-01	3.40E-04	5.20E-01	2.77E+01	1.12E-03	4.00E-03
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	2	0.5	15	3.21E-05	3.64E-03	6.48E-04	2.04E-05	0.42	2.66E-04	4.17E-01	4.16E-02	2.72E-05	4.16E-02	2.21E+00	8.92E-05	3.20E-04
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	0.5	15	2.41E-04	2.73E-02	4.86E-03	1.53E-04	3.12	1.99E-03	3.13E+00	3.12E-01	2.04E-04	3.12E-01	1.66E+01	6.69E-04	2.40E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	0.5	15	9.63E-05	1.09E-02	1.95E-03	6.13E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.17E-05	1.25E-01	6.64E+00	2.68E-04	9.61E-04
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	7	0.5	15	1.12E-04	1.27E-02	2.27E-03	7.15E-05	1.46	9.30E-04	1.46E+00	1.46E-01	9.53E-05	1.46E-01	7.75E+00	3.12E-04	1.12E-03
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	6	0.5	15	9.63E-05	1.09E-02	1.95E-03	6.13E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.17E-05	1.25E-01	6.64E+00	2.68E-04	9.61E-04
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	4	0.5	15	6.42E-05	7.27E-03	1.30E-03	4.09E-05	0.83	5.31E-04	8.33E-01	8.32E-02	5.45E-05	8.33E-02	4.43E+00	1.78E-04	6.41E-04
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	0.5	15	9.63E-05	1.09E-02	1.95E-03	6.13E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.17E-05	1.25E-01	6.64E+00	2.68E-04	9.61E-04
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	2	0.5	15	3.17E-05	3.61E-03	6.48E-04	2.01E-05	0.42	2.66E-04	4.17E-01	4.16E-02	2.71E-05	4.16E-02	2.18E+00	8.95E-05	3.16E-04
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	25	0.5	15	3.96E-04	4.52E-02	8.10E-03	2.52E-04	5.21	3.32E-03	5.21E+00	5.20E-01	3.39E-04	5.20E-01	2.73E+01	1.12E-03	3.95E-03
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	2	0.5	15	3.17E-05	3.61E-03	6.48E-04	2.01E-05	0.42	2.66E-04	4.17E-01	4.16E-02	2.71E-05	4.16E-02	2.18E+00	8.95E-05	3.16E-04
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	0.5	15	2.38E-04	2.71E-02	4.86E-03	1.51E-04	3.12	1.99E-03	3.13E+00	3.12E-01	2.03E-04	3.12E-01	1.64E+01	6.71E-04	2.37E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	6	0.5	15	9.51E-05	1.08E-02	1.94E-03	6.04E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.13E-05	1.25E-01	6.54E+00	2.68E-04	9.47E-04
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	7	0.5	15	1.11E-04	1.26E-02	2.27E-03	7.04E-05	1.46	9.30E-04	1.46E+00	1.46E-01	9.49E-05	1.46E-01	7.63E+00	3.13E-04	1.11E-03
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	6	0.5	15	9.51E-05	1.08E-02	1.94E-03	6.04E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.13E-05	1.25E-01	6.54E+00	2.68E-04	9.47E-04
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	4	0.5	15	6.34E-05	7.23E-03	1.30E-03	4.03E-05	0.83	5.31E-04	8.33E-01	8.32E-02	5.42E-05	8.33E-02	4.36E+00	1.79E-04	6.31E-04
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	6	0.5	15	9.51E-05	1.08E-02	1.94E-03	6.04E-05	1.25	7.97E-04	1.25E+00	1.25E-01	8.13E-05	1.25E-01	6.54E+00	2.68E-04	9.47E-04
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	2.5	0.5	15	3.92E-05	4.49E-03	8.10E-04	2.48E-05	0.52	3.32E-04	5.21E-01	5.20E-02	3.37E-05	5.20E-02	2.69E+00	1.12E-04	3.89E-04
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	31.25	0.5	15	4.90E-04	5.61E-02	1.01E-02	3.10E-04	6.51	4.15E-03	6.51E+00	6.50E-01	4.21E-04	6.50E-01	3.36E+01	1.40E-03	4.87E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	2.5	0.5	15	3.92E-05	4.49E-03	8.10E-04	2.48E-05	0.52	3.32E-04	5.21E-01	5.20E-02	3.37E-05	5.20E-02	2.69E+00	1.12E-04	3.89E-04
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	18.75	0.5	15	2.94E-04	3.36E-02	6.08E-03	1.86E-04	3.90	2.49E-03	3.91E+00	3.90E-01	2.53E-04	3.90E-01	2.02E+01	8.41E-04	2.92E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	7.5	0.5	15	1.18E-04	1.35E-02	2.43E-03	7.44E-05	1.56	9.96E-04	1.56E+00	1.56E-01	1.01E-04	1.56E-01	8.06E+00	3.36E-04	1.17E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.75	0.5	15	1.37E-04	1.57E-02	2.84E-03	8.68E-05	1.82	1.16E-03	1.82E+00	1.82E-01	1.18E-04	1.82E-01	9.41E+00	3.92E-04	1.36E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	7.5	0.5	15	1.18E-04	1.35E-02	2.43E-03	7.44E-05	1.56	9.96E-04	1.56E+00	1.56E-01	1.01E-04	1.56E-01	8.06E+00	3.36E-04	1.17E-03
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	5	0.5	15	7.84E-05	8.97E-03	1.62E-03	4.96E-05	1.04	6.64E-04	1.04E+00	1.04E-01	6.74E-05	1.04E-01	5.37E+00	2.24E-04	7.78E-04
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	7.5	0.5	15	1.18E-04	1.35E-02	2.43E-03	7.44E-05	1.56	9.96E-04	1.56E+00	1.56E-01	1.01E-04	1.56E-01	8.06E+00	3.36E-04	1.17E-03

					Worker Starting/Evaporative Emission Factors												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission Factor (g/trip)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	25	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	10	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	10	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	10	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	25	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	15	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	40	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	25	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	10	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	10	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	10	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	25	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	40	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	25	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	25	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	10	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	10	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	10	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	25	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	18.75	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	50	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	31.25	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	31.25	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	18.75	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	12.5	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	12.5	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	12.5	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	31.25	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	0.5	3.14E-02	7.53E-03	9.47E-02	2.56E-05	0.00E+00	7.38E-05	7.38E-05	0.00E+00	6.79E-05	6.79E-05	2.59E+00	1.80E-03	1.10E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	0.5	9.43E-03	2.26E-03	2.84E-02	7.69E-06	0.00E+00	2.21E-05	2.21E-05	0.00E+00	2.04E-05	2.04E-05	7.77E-01	5.39E-04	3.31E-04
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	0.5	2.52E-02	6.03E-03	7.58E-02	2.05E-05	0.00E+00	5.90E-05	5.90E-05	0.00E+00	5.43E-05	5.43E-05	2.07E+00	1.44E-03	8.82E-04
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	25	0.5	1.57E-02	3.77E-03	4.74E-02	1.28E-05	0.00E+00	3.69E-05	3.69E-05	0.00E+00	3.39E-05	3.39E-05	1.30E+00	8.98E-04	5.51E-04
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	0.5	1.57E-02	3.77E-03	4.74E-02	1.28E-05	0.00E+00	3.69E-05	3.69E-05	0.00E+00	3.39E-05	3.39E-05	1.30E+00	8.98E-04	5.51E-04
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	0.5	9.43E-03	2.26E-03	2.84E-02	7.69E-06	0.00E+00	2.21E-05	2.21E-05	0.00E+00	2.04E-05	2.04E-05	7.77E-01	5.39E-04	3.31E-04
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	10	0.5	6.29E-03	1.51E-03	1.89E-02	5.13E-06	0.00E+00	1.48E-05	1.48E-05	0.00E+00	1.36E-05	1.36E-05	5.18E-01	3.59E-04	2.21E-04
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	10	0.5	6.29E-03	1.51E-03	1.89E-02	5.13E-06	0.00E+00	1.48E-05	1.48E-05	0.00E+00	1.36E-05	1.36E-05	5.18E-01	3.59E-04	2.21E-04
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	10	0.5	6.29E-03	1.51E-03	1.89E-02	5.13E-06	0.00E+00	1.48E-05	1.48E-05	0.00E+00	1.36E-05	1.36E-05	5.18E-01	3.59E-04	2.21E-04
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	25	0.5	1.57E-02	3.77E-03	4.74E-02	1.28E-05	0.00E+00	3.69E-05	3.69E-05	0.00E+00	3.39E-05	3.39E-05	1.30E+00	8.98E-04	5.51E-04
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	0.5	2.95E-02	7.24E-03	9.24E-02	2.51E-05	0.00E+00	6.95E-05	6.95E-05	0.00E+00	6.39E-05	6.39E-05	2.53E+00	1.69E-03	1.08E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	0.5	8.86E-03	2.17E-03	2.77E-02	7.52E-06	0.00E+00	2.08E-05	2.08E-05	0.00E+00	1.92E-05	1.92E-05	7.60E-01	5.07E-04	3.23E-04
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	0.5	2.36E-02	5.79E-03	7.39E-02	2.01E-05	0.00E+00	5.56E-05	5.56E-05	0.00E+00	5.11E-05	5.11E-05	2.03E+00	1.35E-03	8.62E-04
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	0.5	1.48E-02	3.62E-03	4.62E-02	1.25E-05	0.00E+00	3.47E-05	3.47E-05	0.00E+00	3.19E-05	3.19E-05	1.27E+00	8.44E-04	5.39E-04
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	0.5	1.48E-02	3.62E-03	4.62E-02	1.25E-05	0.00E+00	3.47E-05	3.47E-05	0.00E+00	3.19E-05	3.19E-05	1.27E+00	8.44E-04	5.39E-04
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	0.5	8.86E-03	2.17E-03	2.77E-02	7.52E-06	0.00E+00	2.08E-05	2.08E-05	0.00E+00	1.92E-05	1.92E-05	7.60E-01	5.07E-04	3.23E-04
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	0.5	5.90E-03	1.45E-03	1.85E-02	5.02E-06	0.00E+00	1.39E-05	1.39E-05	0.00E+00	1.28E-05	1.28E-05	5.07E-01	3.38E-04	2.16E-04
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	0.5	5.90E-03	1.45E-03	1.85E-02	5.02E-06	0.00E+00	1.39E-05	1.39E-05	0.00E+00	1.28E-05	1.28E-05	5.07E-01	3.38E-04	2.16E-04
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	0.5	5.90E-03	1.45E-03	1.85E-02	5.02E-06	0.00E+00	1.39E-05	1.39E-05	0.00E+00	1.28E-05	1.28E-05	5.07E-01	3.38E-04	2.16E-04
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	0.5	1.48E-02	3.62E-03	4.62E-02	1.25E-05	0.00E+00	3.47E-05	3.47E-05	0.00E+00	3.19E-05	3.19E-05	1.27E+00	8.44E-04	5.39E-04
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	0.5	2.78E-02	7.00E-03	9.03E-02	2.46E-05	0.00E+00	6.54E-05	6.54E-05	0.00E+00	6.01E-05	6.01E-05	2.48E+00	1.59E-03	1.06E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	15	0.5	8.34E-03	2.10E-03	2.71E-02	7.38E-06	0.00E+00	1.96E-05	1.96E-05	0.00E+00	1.80E-05	1.80E-05	7.45E-01	4.78E-04	3.17E-04
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	40	0.5	2.22E-02	5.60E-03	7.22E-02	1.97E-05	0.00E+00	5.23E-05	5.23E-05	0.00E+00	4.81E-05	4.81E-05	1.99E+00	1.27E-03	8.46E-04
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	25	0.5	1.39E-02	3.50E-03	4.51E-02	1.23E-05	0.00E+00	3.27E-05	3.27E-05	0.00E+00	3.01E-05	3.01E-05	1.24E+00	7.97E-04	5.29E-04
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	0.5	1.39E-02	3.50E-03	4.51E-02	1.23E-05	0.00E+00	3.27E-05	3.27E-05	0.00E+00	3.01E-05	3.01E-05	1.24E+00	7.97E-04	5.29E-04
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	0.5	8.34E-03	2.10E-03	2.71E-02	7.38E-06	0.00E+00	1.96E-05	1.96E-05	0.00E+00	1.80E-05	1.80E-05	7.45E-01	4.78E-04	3.17E-04
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	10	0.5	5.56E-03	1.40E-03	1.81E-02	4.92E-06	0.00E+00	1.31E-05	1.31E-05	0.00E+00	1.20E-05	1.20E-05	4.97E-01	3.19E-04	2.12E-04
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	10	0.5	5.56E-03	1.40E-03	1.81E-02	4.92E-06	0.00E+00	1.31E-05	1.31E-05	0.00E+00	1.20E-05	1.20E-05	4.97E-01	3.19E-04	2.12E-04
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	10	0.5	5.56E-03	1.40E-03	1.81E-02	4.92E-06	0.00E+00	1.31E-05	1.31E-05	0.00E+00	1.20E-05	1.20E-05	4.97E-01	3.19E-04	2.12E-04
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	25	0.5	1.39E-02	3.50E-03	4.51E-02	1.23E-05	0.00E+00	3.27E-05	3.27E-05	0.00E+00	3.01E-05	3.01E-05	1.24E+00	7.97E-04	5.29E-04
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	0.5	7.88E-03	2.04E-03	2.65E-02	7.24E-06	0.00E+00	1.85E-05	1.85E-05	0.00E+00	1.70E-05	1.70E-05	7.32E-01	4.53E-04	3.12E-04
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	40	0.5	2.10E-02	5.44E-03	7.07E-02	1.93E-05	0.00E+00	4.93E-05	4.93E-05	0.00E+00	4.53E-05	4.53E-05	1.95E+00	1.21E-03	8.33E-04
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	25	0.5	1.31E-02	3.40E-03	4.42E-02	1.21E-05	0.00E+00	3.08E-05	3.08E-05	0.00E+00	2.83E-05	2.83E-05	1.22E+00	7.55E-04	5.20E-04
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	25	0.5	1.31E-02	3.40E-03	4.42E-02	1.21E-05	0.00E+00	3.08E-05	3.08E-05	0.00E+00	2.83E-05	2.83E-05	1.22E+00	7.55E-04	5.20E-04
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	0.5	7.88E-03	2.04E-03	2.65E-02	7.24E-06	0.00E+00	1.85E-05	1.85E-05	0.00E+00	1.70E-05	1.70E-05	7.32E-01	4.53E-04	3.12E-04
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	10	0.5	5.25E-03	1.36E-03	1.77E-02	4.83E-06	0.00E+00	1.23E-05	1.23E-05	0.00E+00	1.13E-05	1.13E-05	4.88E-01	3.02E-04	2.08E-04
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	10	0.5	5.25E-03	1.36E-03	1.77E-02	4.83E-06	0.00E+00	1.23E-05	1.23E-05	0.00E+00	1.13E-05	1.13E-05	4.88E-01	3.02E-04	2.08E-04
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	10	0.5	5.25E-03	1.36E-03	1.77E-02	4.83E-06	0.00E+00	1.23E-05	1.23E-05	0.00E+00	1.13E-05	1.13E-05	4.88E-01	3.02E-04	2.08E-04
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	25	0.5	1.31E-02	3.40E-03	4.42E-02	1.21E-05	0.00E+00	3.08E-05	3.08E-05	0.00E+00	2.83E-05	2.83E-05	1.22E+00	7.55E-04	5.20E-04
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	18.75	0.5	9.33E-03	2.49E-03	3.25E-02	8.91E-06	0.00E+00	2.18E-05	2.18E-05	0.00E+00	2.00E-05	2.00E-05	9.00E-01	5.37E-04	3.85E-04
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	50	0.5	2.49E-02	6.64E-03	8.66E-02	2.38E-05	0.00E+00	5.80E-05	5.80E-05	0.00E+00	5.34E-05	5.34E-05	2.40E+00	1.43E-03	1.03E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	31.25	0.5	1.55E-02	4.15E-03	5.41E-02	1.48E-05	0.00E+00	3.63E-05	3.63E-05	0.00E+00	3.34E-05	3.34E-05	1.50E+00	8.95E-04	6.42E-04
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	31.25	0.5	1.55E-02	4.15E-03	5.41E-02	1.48E-05	0.00E+00	3.63E-05	3.63E-05	0.00E+00	3.34E-05	3.34E-05	1.50E+00	8.95E-04	6.42E-04
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	18.75	0.5	9.33E-03	2.49E-03	3.25E-02	8.91E-06	0.00E+00	2.18E-05	2.18E-05	0.00E+00	2.00E-05	2.00E-05	9.00E-01	5.37E-04	3.85E-04
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	12.5	0.5	6.22E-03	1.66E-03	2.17E-02	5.94E-06	0.00E+00	1.45E-05	1.45E-05	0.00E+00	1.33E-05	1.33E-05	6.00E-01	3.58E-04	2.57E-04
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	12.5	0.5	6.22E-03	1.66E-03	2.17E-02	5.94E-06	0.00E+00	1.45E-05	1.45E-05	0.00E+00	1.33E-05	1.33E-05	6.00E-01	3.58E-04	2.57E-04
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	12.5	0.5	6.22E-03	1.66E-03	2.17E-02	5.94E-06	0.00E+00	1.45E-05	1.45E-05	0.00E+00	1.33E-05	1.33E-05	6.00E-01	3.58E-04	2.57E-04
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	31.25	0.5	1.55E-02	4.15E-03	5.41E-02	1.48E-05	0.00E+00	3.63E-05	3.63E-05	0.00E+00	3.34E-05	3.34E-05	1.50E+00	8.95E-04	6.42E-04

					Worker Running Emission Factors												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission Factor (g/mile)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	25	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	10	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	10	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	10	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	25	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	15	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	40	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	25	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	10	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	10	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	10	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	25	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	40	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	25	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	25	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	10	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	10	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	10	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	25	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	18.75	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	50	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	31.25	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	31.25	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	18.75	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	12.5	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	12.5	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	12.5	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	31.25	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03

					Daily Emissions													
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	0.5	3.71E-04	1.63E-03	3.06E-02	1.28E-04	1.04E+01	6.46E-05	1.04E+01	1.04E+00	5.95E-05	1.04E+00	1.30E+01	9.88E-05	2.09E-04
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	0.5	1.11E-04	4.88E-04	9.19E-03	3.85E-05	3.12E+00	1.94E-05	3.12E+00	3.12E-01	1.78E-05	3.12E-01	3.89E+00	2.96E-05	6.26E-05
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	0.5	2.97E-04	1.30E-03	2.45E-02	1.03E-04	8.33E+00	5.17E-05	8.33E+00	8.31E-01	4.76E-05	8.31E-01	1.04E+01	7.90E-05	1.67E-04
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	25	0.5	1.85E-04	8.13E-04	1.53E-02	6.42E-05	5.20E+00	3.23E-05	5.20E+00	5.19E-01	2.97E-05	5.19E-01	6.49E+00	4.94E-05	1.04E-04
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	0.5	1.85E-04	8.13E-04	1.53E-02	6.42E-05	5.20E+00	3.23E-05	5.20E+00	5.19E-01	2.97E-05	5.19E-01	6.49E+00	4.94E-05	1.04E-04
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	0.5	1.11E-04	4.88E-04	9.19E-03	3.85E-05	3.12E+00	1.94E-05	3.12E+00	3.12E-01	1.78E-05	3.12E-01	3.89E+00	2.96E-05	6.26E-05
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	10	0.5	7.42E-05	3.25E-04	6.13E-03	2.57E-05	2.08E+00	1.29E-05	2.08E+00	2.08E-01	1.19E-05	2.08E-01	2.60E+00	1.98E-05	4.18E-05
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	10	0.5	7.42E-05	3.25E-04	6.13E-03	2.57E-05	2.08E+00	1.29E-05	2.08E+00	2.08E-01	1.19E-05	2.08E-01	2.60E+00	1.98E-05	4.18E-05
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	10	0.5	7.42E-05	3.25E-04	6.13E-03	2.57E-05	2.08E+00	1.29E-05	2.08E+00	2.08E-01	1.19E-05	2.08E-01	2.60E+00	1.98E-05	4.18E-05
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	25	0.5	1.85E-04	8.13E-04	1.53E-02	6.42E-05	5.20E+00	3.23E-05	5.20E+00	5.19E-01	2.97E-05	5.19E-01	6.49E+00	4.94E-05	1.04E-04
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	0.5	3.35E-04	1.50E-03	2.95E-02	1.26E-04	1.04E+01	6.07E-05	1.04E+01	1.04E+00	5.58E-05	1.04E+00	1.27E+01	9.06E-05	2.01E-04
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	0.5	1.00E-04	4.50E-04	8.85E-03	3.78E-05	3.12E+00	1.82E-05	3.12E+00	3.12E-01	1.67E-05	3.12E-01	3.82E+00	2.72E-05	6.04E-05
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	0.5	2.68E-04	1.20E-03	2.36E-02	1.01E-04	8.33E+00	4.85E-05	8.33E+00	8.31E-01	4.47E-05	8.31E-01	1.02E+01	7.25E-05	1.61E-04
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	0.5	1.67E-04	7.50E-04	1.47E-02	6.30E-05	5.20E+00	3.03E-05	5.20E+00	5.19E-01	2.79E-05	5.19E-01	6.37E+00	4.53E-05	1.01E-04
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	0.5	1.67E-04	7.50E-04	1.47E-02	6.30E-05	5.20E+00	3.03E-05	5.20E+00	5.19E-01	2.79E-05	5.19E-01	6.37E+00	4.53E-05	1.01E-04
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	0.5	1.00E-04	4.50E-04	8.85E-03	3.78E-05	3.12E+00	1.82E-05	3.12E+00	3.12E-01	1.67E-05	3.12E-01	3.82E+00	2.72E-05	6.04E-05
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	0.5	6.69E-05	3.00E-04	5.90E-03	2.52E-05	2.08E+00	1.21E-05	2.08E+00	2.08E-01	1.12E-05	2.08E-01	2.55E+00	1.81E-05	4.03E-05
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	0.5	6.69E-05	3.00E-04	5.90E-03	2.52E-05	2.08E+00	1.21E-05	2.08E+00	2.08E-01	1.12E-05	2.08E-01	2.55E+00	1.81E-05	4.03E-05
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	0.5	6.69E-05	3.00E-04	5.90E-03	2.52E-05	2.08E+00	1.21E-05	2.08E+00	2.08E-01	1.12E-05	2.08E-01	2.55E+00	1.81E-05	4.03E-05
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	0.5	1.67E-04	7.50E-04	1.47E-02	6.30E-05	5.20E+00	3.03E-05	5.20E+00	5.19E-01	2.79E-05	5.19E-01	6.37E+00	4.53E-05	1.01E-04
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	0.5	3.02E-04	1.40E-03	2.84E-02	1.24E-04	1.04E+01	5.68E-05	1.04E+01	1.04E+00	5.23E-05	1.04E+00	1.25E+01	8.31E-05	1.95E-04
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	15	0.5	9.05E-05	4.19E-04	8.52E-03	3.72E-05	3.12E+00	1.70E-05	3.12E+00	3.12E-01	1.57E-05	3.12E-01	3.76E+00	2.49E-05	5.86E-05
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	40	0.5	2.41E-04	1.12E-03	2.27E-02	9.91E-05	8.33E+00	4.54E-05	8.33E+00	8.31E-01	4.18E-05	8.31E-01	1.00E+01	6.65E-05	1.56E-04
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	25	0.5	1.51E-04	6.98E-04	1.42E-02	6.19E-05	5.20E+00	2.84E-05	5.20E+00	5.19E-01	2.61E-05	5.19E-01	6.26E+00	4.16E-05	9.76E-05
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	0.5	1.51E-04	6.98E-04	1.42E-02	6.19E-05	5.20E+00	2.84E-05	5.20E+00	5.19E-01	2.61E-05	5.19E-01	6.26E+00	4.16E-05	9.76E-05
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	0.5	9.05E-05	4.19E-04	8.52E-03	3.72E-05	3.12E+00	1.70E-05	3.12E+00	3.12E-01	1.57E-05	3.12E-01	3.76E+00	2.49E-05	5.86E-05
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	10	0.5	6.04E-05	2.79E-04	5.68E-03	2.48E-05	2.08E+00	1.14E-05	2.08E+00	2.08E-01	1.05E-05	2.08E-01	2.50E+00	1.66E-05	3.90E-05
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	10	0.5	6.04E-05	2.79E-04	5.68E-03	2.48E-05	2.08E+00	1.14E-05	2.08E+00	2.08E-01	1.05E-05	2.08E-01	2.50E+00	1.66E-05	3.90E-05
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	10	0.5	6.04E-05	2.79E-04	5.68E-03	2.48E-05	2.08E+00	1.14E-05	2.08E+00	2.08E-01	1.05E-05	2.08E-01	2.50E+00	1.66E-05	3.90E-05
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	25	0.5	1.51E-04	6.98E-04	1.42E-02	6.19E-05	5.20E+00	2.84E-05	5.20E+00	5.19E-01	2.61E-05	5.19E-01	6.26E+00	4.16E-05	9.76E-05
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	0.5	8.21E-05	3.92E-04	8.25E-03	3.66E-05	3.12E+00	1.60E-05	3.12E+00	3.12E-01	1.47E-05	3.12E-01	3.70E+00	2.30E-05	5.70E-05
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	40	0.5	2.19E-04	1.05E-03	2.20E-02	9.75E-05	8.33E+00	4.26E-05	8.33E+00	8.31E-01	3.92E-05	8.31E-01	9.86E+00	6.13E-05	1.52E-04
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	25	0.5	1.37E-04	6.54E-04	1.37E-02	6.10E-05	5.20E+00	2.66E-05	5.20E+00	5.19E-01	2.45E-05	5.19E-01	6.16E+00	3.83E-05	9.50E-05
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	25	0.5	1.37E-04	6.54E-04	1.37E-02	6.10E-05	5.20E+00	2.66E-05	5.20E+00	5.19E-01	2.45E-05	5.19E-01	6.16E+00	3.83E-05	9.50E-05
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	0.5	8.21E-05	3.92E-04	8.25E-03	3.66E-05	3.12E+00	1.60E-05	3.12E+00	3.12E-01	1.47E-05	3.12E-01	3.70E+00	2.30E-05	5.70E-05
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	10	0.5	5.47E-05	2.62E-04	5.50E-03	2.44E-05	2.08E+00	1.07E-05	2.08E+00	2.08E-01	9.81E-06	2.08E-01	2.46E+00	1.53E-05	3.80E-05
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	10	0.5	5.47E-05	2.62E-04	5.50E-03	2.44E-05	2.08E+00	1.07E-05	2.08E+00	2.08E-01	9.81E-06	2.08E-01	2.46E+00	1.53E-05	3.80E-05
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	10	0.5	5.47E-05	2.62E-04	5.50E-03	2.44E-05	2.08E+00	1.07E-05	2.08E+00	2.08E-01	9.81E-06	2.08E-01	2.46E+00	1.53E-05	3.80E-05
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	25	0.5	1.37E-04	6.54E-04	1.37E-02	6.10E-05	5.20E+00	2.66E-05	5.20E+00	5.19E-01	2.45E-05	5.19E-01	6.16E+00	3.83E-05	9.50E-05
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	18.75	0.5	9.29E-05	4.63E-04	9.99E-03	4.51E-05	3.90E+00	1.88E-05	3.90E+00	3.89E-01	1.73E-05	3.89E-01	4.56E+00	2.66E-05	6.97E-05
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	50	0.5	2.48E-04	1.24E-03	2.66E-02	1.20E-04	1.04E+01	5.01E-05	1.04E+01	1.04E+00	4.61E-05	1.04E+00	1.22E+01	7.08E-05	1.86E-04
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	31.25	0.5	1.55E-04	7.72E-04	1.67E-02	7.51E-05	6.50E+00	3.13E-05	6.50E+00	6.49E-01	2.88E-05	6.49E-01	7.60E+00	4.43E-05	1.16E-04
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	31.25	0.5	1.55E-04	7.72E-04	1.67E-02	7.51E-05	6.50E+00	3.13E-05	6.50E+00	6.49E-01	2.88E-05	6.49E-01	7.60E+00	4.43E-05	1.16E-04
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	18.75	0.5	9.29E-05	4.63E-04	9.99E-03	4.51E-05	3.90E+00	1.88E-05	3.90E+00	3.89E-01	1.73E-05	3.89E-01	4.56E+00	2.66E-05	6.97E-05
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	12.5	0.5	6.20E-05	3.09E-04	6.66E-03	3.01E-05	2.60E+00	1.25E-05	2.60E+00	2.60E-01	1.15E-05	2.60E-01	3.04E+00	1.77E-05	4.64E-05
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	12.5	0.5	6.20E-05	3.09E-04	6.66E-03	3.01E-05	2.60E+00	1.25E-05	2.60E+00	2.60E-01	1.15E-05	2.60E-01	3.04E+00	1.77E-05	4.64E-05
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	12.5	0.5	6.20E-05	3.09E-04	6.66E-03	3.01E-05	2.60E+00	1.25E-05	2.60E+00	2.60E-01	1.15E-05	2.60E-01	3.04E+00	1.77E-05	4.64E-05
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	31.25	0.5	1.55E-04	7.72E-04	1.67E-02	7.51E-05	6.50E+00	3.13E-05	6.50E+00	6.49E-01	2.88E-05	6.49E-01	7.60E+00	4.43E-05	1.16E-04

OFFSITE Mobile Emissions		ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	6.75E-02	2.18E+00	1.88E+00	1.67E-02	1.36E+00	1.98E-02	1.38E+00	3.68E-01	1.88E-02	3.87E-01	1.75E+03	2.93E-02	1.77E-01
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2.00E-02	5.97E-01	5.70E-01	4.88E-03	4.08E-01	5.46E-03	4.13E-01	1.10E-01	5.18E-03	1.16E-01	5.13E+02	1.10E-02	5.05E-02
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	8.71E-02	5.75E+00	1.98E+00	3.27E-02	1.86E+00	4.74E-02	1.91E+00	5.11E-01	4.52E-02	5.57E-01	3.47E+03	6.21E-02	4.55E-01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	5.06E-02	4.20E+00	7.04E-01	1.95E-02	8.67E-01	3.38E-02	9.01E-01	2.36E-01	3.23E-02	2.69E-01	2.07E+03	7.69E-03	3.05E-01
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	4.72E-02	2.62E+00	1.16E+00	1.62E-02	1.01E+00	2.19E-02	1.03E+00	2.76E-01	2.09E-02	2.97E-01	1.72E+03	3.71E-02	2.13E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	4.37E-02	3.27E+00	1.11E+00	1.79E-02	1.03E+00	2.71E-02	1.06E+00	2.81E-01	2.59E-02	3.07E-01	1.88E+03	1.72E-02	2.46E-01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	1.82E-02	6.85E-01	5.95E-01	5.64E-03	4.47E-01	6.12E-03	4.53E-01	1.22E-01	5.81E-03	1.28E-01	5.96E+02	1.74E-02	6.14E-02
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	1.17E-02	5.67E-01	1.19E-01	3.18E-03	1.39E-01	4.41E-03	1.43E-01	3.99E-02	4.22E-03	4.41E-02	3.44E+02	1.37E-02	4.99E-02
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	3.71E-03	1.63E-02	3.06E-01	1.28E-03	1.90E-01	6.46E-04	1.91E-01	5.03E-02	5.95E-04	5.09E-02	1.30E+02	9.88E-04	2.09E-03
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2.16E-02	7.51E-01	8.78E-01	6.76E-03	6.20E-01	7.19E-03	6.27E-01	1.67E-01	6.82E-03	1.74E-01	7.05E+02	1.18E-02	6.23E-02
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2.69E-02	8.66E-01	4.76E-01	5.68E-03	3.73E-01	7.31E-03	3.80E-01	1.02E-01	6.96E-03	1.09E-01	6.03E+02	1.53E-02	7.25E-02
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	6.36E-02	2.17E+00	1.83E+00	1.64E-02	1.36E+00	1.92E-02	1.38E+00	3.68E-01	1.82E-02	3.86E-01	1.72E+03	2.89E-02	1.73E-01
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	1.88E-02	5.93E-01	5.52E-01	4.79E-03	4.08E-01	5.29E-03	4.13E-01	1.10E-01	5.02E-03	1.15E-01	5.03E+02	1.08E-02	4.95E-02
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	8.35E-02	5.74E+00	1.94E+00	3.21E-02	1.86E+00	4.61E-02	1.91E+00	5.11E-01	4.40E-02	5.55E-01	3.40E+03	6.18E-02	4.46E-01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	5.41E-02	4.22E+00	1.13E+00	2.10E-02	1.15E+00	3.39E-02	1.19E+00	3.12E-01	3.23E-02	3.44E-01	2.21E+03	8.92E-03	3.02E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	4.50E-02	2.61E+00	1.13E+00	1.59E-02	1.01E+00	2.13E-02	1.03E+00	2.76E-01	2.03E-02	2.96E-01	1.68E+03	3.69E-02	2.09E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	3.87E-02	3.25E+00	7.82E-01	1.62E-02	8.44E-01	2.58E-02	8.70E-01	2.31E-01	2.47E-02	2.55E-01	1.72E+03	1.61E-02	2.39E-01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	1.55E-02	6.73E-01	4.30E-01	4.90E-03	3.52E-01	5.63E-03	3.57E-01	9.68E-02	5.36E-03	1.02E-01	5.22E+02	1.68E-02	5.92E-02
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	1.46E-02	5.79E-01	4.13E-01	4.38E-03	3.29E-01	4.91E-03	3.33E-01	9.02E-02	4.67E-03	9.49E-02	4.65E+02	1.46E-02	5.11E-02
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	1.52E-02	7.23E-01	4.06E-01	4.74E-03	3.35E-01	6.05E-03	3.41E-01	9.13E-02	5.76E-03	9.70E-02	5.01E+02	1.03E-02	5.81E-02
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	3.05E-02	8.84E-01	9.06E-01	7.46E-03	6.58E-01	8.01E-03	6.66E-01	1.78E-01	7.61E-03	1.85E-01	7.83E+02	1.66E-02	7.41E-02
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	5.87E-02	1.99E+00	1.75E+00	1.53E-02	1.33E+00	1.76E-02	1.35E+00	3.59E-01	1.67E-02	3.76E-01	1.61E+03	2.73E-02	1.58E-01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	1.63E-02	5.20E-01	4.50E-01	4.00E-03	3.42E-01	4.57E-03	3.46E-01	9.24E-02	4.34E-03	9.68E-02	4.20E+02	8.30E-03	4.20E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	7.59E-02	5.69E+00	1.46E+00	2.97E-02	1.58E+00	4.49E-02	1.62E+00	4.36E-01	4.29E-02	4.79E-01	3.16E+03	6.04E-02	4.35E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	5.61E-02	4.23E+00	1.46E+00	2.22E-02	1.39E+00	3.43E-02	1.42E+00	3.75E-01	3.28E-02	4.08E-01	2.33E+03	9.74E-03	2.99E-01
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	4.31E-02	2.60E+00	1.10E+00	1.56E-02	1.01E+00	2.11E-02	1.03E+00	2.76E-01	2.01E-02	2.96E-01	1.65E+03	3.68E-02	2.06E-01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	3.75E-02	3.24E+00	7.65E-01	1.60E-02	8.44E-01	2.56E-02	8.70E-01	2.31E-01	2.45E-02	2.55E-01	1.69E+03	1.60E-02	2.35E-01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	1.70E-02	6.78E-01	6.32E-01	5.75E-03	4.94E-01	5.99E-03	5.00E-01	1.35E-01	5.69E-03	1.40E-01	6.07E+02	1.74E-02	5.97E-02
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	1.83E-02	5.95E-01	8.28E-01	6.17E-03	6.13E-01	5.70E-03	6.19E-01	1.66E-01	5.40E-03	1.71E-01	6.46E+02	1.58E-02	5.32E-02
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	1.53E-02	7.23E-01	4.66E-01	4.97E-03	3.82E-01	6.12E-03	3.88E-01	1.04E-01	5.83E-03	1.10E-01	5.24E+02	1.04E-02	5.75E-02
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2.65E-02	8.67E-01	6.65E-01	6.41E-03	5.15E-01	7.46E-03	5.23E-01	1.40E-01	7.10E-03	1.47E-01	6.75E+02	1.58E-02	7.14E-02
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2.51E-02	5.01E-01	1.45E+00	8.12E-03	1.04E+00	6.01E-03	1.04E+00	2.76E-01	5.65E-03	2.81E-01	8.33E+02	8.85E-03	4.25E-02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	6.96E-02	5.65E+00	1.03E+00	2.74E-02	1.29E+00	4.38E-02	1.34E+00	3.60E-01	4.19E-02	4.02E-01	2.92E+03	5.91E-02	4.25E-01
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	4.67E-02	4.19E+00	6.70E-01	1.85E-02	8.67E-01	3.26E-02	9.00E-01	2.36E-01	3.11E-02	2.68E-01	1.95E+03	7.35E-03	2.89E-01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	4.82E-02	2.62E+00	1.76E+00	1.84E-02	1.48E+00	2.22E-02	1.50E+00	4.02E-01	2.12E-02	4.23E-01	1.94E+03	3.86E-02	2.07E-01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	3.93E-02	3.25E+00	1.03E+00	1.69E-02	1.03E+00	2.60E-02	1.06E+00	2.81E-01	2.48E-02	3.06E-01	1.78E+03	1.67E-02	2.33E-01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	1.54E-02	6.69E-01	5.46E-01	5.36E-03	4.47E-01	5.77E-03	4.52E-01	1.22E-01	5.49E-03	1.28E-01	5.67E+02	1.71E-02	5.83E-02
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	1.73E-02	5.90E-01	8.05E-01	6.07E-03	6.13E-01	5.60E-03	6.19E-01	1.66E-01	5.30E-03	1.71E-01	6.36E+02	1.57E-02	5.23E-02
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	1.09E-02	5.23E-02	1.10E+00	4.88E-03	7.60E-01	2.13E-03	7.62E-01	2.01E-01	1.96E-03	2.03E-01	4.93E+02	3.07E-03	7.60E-03
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	1.11E-02	7.03E-01	1.11E-01	3.37E-03	1.45E-01	5.39E-03	1.50E-01	4.09E-02	5.15E-03	4.61E-02	3.61E+02	9.38E-03	5.43E-02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2.45E-02	8.59E-01	5.79E-01	6.00E-03	4.68E-01	7.23E-03	4.75E-01	1.28E-01	6.89E-03	1.34E-01	6.34E+02	1.54E-02	6.98E-02
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	1.61E-02	5.34E-01	3.64E-01	3.61E-03	2.94E-01	4.50E-03	2.98E-01	7.95E-02	4.28E-03	8.38E-02	3.80E+02	6.96E-03	4.10E-02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	9.42E-02	7.09E+00	2.27E+00	3.82E-02	2.33E+00	5.63E-02	2.39E+00	6.39E-01	5.38E-02	6.93E-01	4.05E+03	7.66E-02	5.31E-01
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	6.02E-02	5.24E+00	1.16E+00	2.42E-02	1.32E+00	4.11E-02	1.36E+00	3.59E-01	3.93E-02	3.98E-01	2.55E+03	9.97E-03	3.57E-01
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	4.83E-02	3.21E+00	1.15E+00	1.81E-02	1.14E+00	2.56E-02	1.16E+00	3.13E-01	2.44E-02	3.38E-01	1.93E+03	4.53E-02	2.48E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	4.92E-02	4.06E+00	1.42E+00	2.16E-02	1.41E+00	3.25E-02	1.44E+00	3.83E-01	3.11E-02	4.14E-01	2.27E+03	2.12E-02	2.87E-01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	1.99E-02	8.37E-01	8.33E-01	7.35E-03	6.77E-01	7.44E-03	6.84E-01	1.84E-01	7.07E-03	1.91E-01	7.75E+02	2.18E-02	7.31E-02
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	1.63E-02	7.10E-01	5.46E-01	5.53E-03	4.58E-01	6.05E-03	4.64E-01	1.25E-01	5.76E-03	1.31E-01	5.86E+02	1.83E-02	6.15E-02
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	4.34E-03	2.16E-02	4.66E-01	2.10E-03	3.32E-01	8.76E-04	3.33E-01	8.81E-02	8.06E-04	8.89E-02	2.13E+02	1.24E-03	3.25E-03
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	1.66E-02	8.90E-01	4.71E-01	5.65E-03	4.18E-01	7.33E-03	4.26E-01	1.14E-01	6.98E-03	1.21E-01	5.97E+02	1.26E-02	6.91E-02
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	3.07E-02	1.07E+00	8.73E-01	8.14E-03	7.04E-01	9.25E-03	7.13E-01	1.91E-01	8.80E-03	2.00E-01	8.57E+02	1.96E-02	8.71E-02

							Haul Running Emission Factors												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission Factor (g/trip)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	2170	8	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	364	1	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	7512	29	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	2191	8	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	5008	19	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	0	0	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	624	2	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	528	2	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	2170	8	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	364	1	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	2191	8	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	1937.5	7	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	416	2	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	6260	24	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	7512	29	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	5008	19	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	0	0	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	0	0	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	624	2	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	528	2	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	468	2	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	6260	24	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	7512	29	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	2191	8	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	5008	19	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	0	0	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	0	0	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	624	2	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	528	2	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	546	2	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	7825	30	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	9390	36	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	2738.75	11	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	6260	24	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	0	0	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	0	0	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	0	0	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	780	3	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	660	3	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06

							Daily Emissions												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	2170	8	25	3.44E-06	2.20E-02	5.54E-05	4.61E-09	0.00E+00	4.88E-09	4.88E-09	0.00E+00	4.49E-09	4.49E-09	4.66E-04	3.37E-09	3.31E-08
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	364	1	25	5.77E-07	3.68E-03	9.29E-06	7.73E-10	0.00E+00	8.19E-10	8.19E-10	0.00E+00	7.53E-10	7.53E-10	7.81E-05	5.66E-10	5.56E-09
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	25	9.93E-06	6.33E-02	1.60E-04	1.33E-08	0.00E+00	1.41E-08	1.41E-08	0.00E+00	1.29E-08	1.29E-08	1.34E-03	9.73E-09	9.56E-08
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	7512	29	25	1.19E-05	7.60E-02	1.92E-04	1.60E-08	0.00E+00	1.69E-08	1.69E-08	0.00E+00	1.55E-08	1.55E-08	1.61E-03	1.17E-08	1.15E-07
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	2191	8	25	3.48E-06	2.22E-02	5.59E-05	4.65E-09	0.00E+00	4.93E-09	4.93E-09	0.00E+00	4.53E-09	4.53E-09	4.70E-04	3.40E-09	3.35E-08
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	5008	19	25	7.94E-06	5.07E-02	1.28E-04	1.06E-08	0.00E+00	1.13E-08	1.13E-08	0.00E+00	1.04E-08	1.04E-08	1.07E-03	7.78E-09	7.65E-08
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	624	2	25	9.90E-07	6.31E-03	1.59E-05	1.33E-09	0.00E+00	1.40E-09	1.40E-09	0.00E+00	1.29E-09	1.29E-09	1.34E-04	9.70E-10	9.53E-09
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	528	2	25	8.38E-07	5.34E-03	1.35E-05	1.12E-09	0.00E+00	1.19E-09	1.19E-09	0.00E+00	1.09E-09	1.09E-09	1.13E-04	8.20E-10	8.06E-09
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	2170	8	25	3.33E-06	2.19E-02	5.69E-05	4.67E-09	0.00E+00	4.94E-09	4.94E-09	0.00E+00	4.54E-09	4.54E-09	4.72E-04	3.30E-09	2.33E-08
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	364	1	25	5.58E-07	3.68E-03	9.55E-06	7.84E-10	0.00E+00	8.29E-10	8.29E-10	0.00E+00	7.62E-10	7.62E-10	7.92E-05	5.54E-10	3.90E-09
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	25	9.60E-06	6.33E-02	1.64E-04	1.35E-08	0.00E+00	1.43E-08	1.43E-08	0.00E+00	1.31E-08	1.31E-08	1.36E-03	9.52E-09	6.71E-08
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	25	1.15E-05	7.60E-02	1.97E-04	1.62E-08	0.00E+00	1.71E-08	1.71E-08	0.00E+00	1.57E-08	1.57E-08	1.63E-03	1.14E-08	8.06E-08
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	2191	8	25	3.36E-06	2.22E-02	5.75E-05	4.72E-09	0.00E+00	4.99E-09	4.99E-09	0.00E+00	4.59E-09	4.59E-09	4.77E-04	3.33E-09	2.35E-08
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	25	7.68E-06	5.07E-02	1.31E-04	1.08E-08	0.00E+00	1.14E-08	1.14E-08	0.00E+00	1.05E-08	1.05E-08	1.09E-03	7.62E-09	5.37E-08
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	25	9.56E-07	6.31E-03	1.64E-05	1.34E-09	0.00E+00	1.42E-09	1.42E-09	0.00E+00	1.31E-09	1.31E-09	1.36E-04	9.49E-10	6.69E-09
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	25	8.09E-07	5.34E-03	1.39E-05	1.14E-09	0.00E+00	1.20E-09	1.20E-09	0.00E+00	1.11E-09	1.11E-09	1.15E-04	8.03E-10	5.66E-09
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	1937.5	7	25	3.02E-06	1.96E-02	5.26E-05	4.25E-09	0.00E+00	4.61E-09	4.61E-09	0.00E+00	4.24E-09	4.24E-09	4.30E-04	2.95E-09	2.04E-08
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	416	2	25	6.49E-07	4.21E-03	1.13E-05	9.13E-10	0.00E+00	9.91E-10	9.91E-10	0.00E+00	9.11E-10	9.11E-10	9.23E-05	6.34E-10	4.37E-09
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	6260	24	25	9.77E-06	6.33E-02	1.70E-04	1.37E-08	0.00E+00	1.49E-08	1.49E-08	0.00E+00	1.37E-08	1.37E-08	1.39E-03	9.54E-09	6.58E-08
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	7512	29	25	1.17E-05	7.60E-02	2.04E-04	1.65E-08	0.00E+00	1.79E-08	1.79E-08	0.00E+00	1.65E-08	1.65E-08	1.67E-03	1.15E-08	7.89E-08
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	25	3.42E-06	2.22E-02	5.95E-05	4.81E-09	0.00E+00	5.22E-09	5.22E-09	0.00E+00	4.80E-09	4.80E-09	4.86E-04	3.34E-09	2.30E-08
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	5008	19	25	7.81E-06	5.06E-02	1.36E-04	1.10E-08	0.00E+00	1.19E-08	1.19E-08	0.00E+00	1.10E-08	1.10E-08	1.11E-03	7.64E-09	5.26E-08
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	624	2	25	9.73E-07	6.31E-03	1.69E-05	1.37E-09	0.00E+00	1.49E-09	1.49E-09	0.00E+00	1.37E-09	1.37E-09	1.38E-04	9.51E-10	6.56E-09
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	528	2	25	8.24E-07	5.34E-03	1.43E-05	1.16E-09	0.00E+00	1.26E-09	1.26E-09	0.00E+00	1.16E-09	1.16E-09	1.17E-04	8.05E-10	5.55E-09
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	468	2	25	7.50E-07	4.73E-03	1.31E-05	1.05E-09	0.00E+00	1.16E-09	1.16E-09	0.00E+00	1.07E-09	1.07E-09	1.06E-04	7.18E-10	3.93E-09
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	6260	24	25	1.00E-05	6.33E-02	1.76E-04	1.40E-08	0.00E+00	1.55E-08	1.55E-08	0.00E+00	1.43E-08	1.43E-08	1.42E-03	9.61E-09	5.26E-08
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	7512	29	25	1.20E-05	7.60E-02	2.11E-04	1.68E-08	0.00E+00	1.87E-08	1.87E-08	0.00E+00	1.72E-08	1.72E-08	1.70E-03	1.15E-08	6.31E-08
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	2191	8	25	3.51E-06	2.22E-02	6.15E-05	4.90E-09	0.00E+00	5.44E-09	5.44E-09	0.00E+00	5.00E-09	5.00E-09	4.95E-04	3.36E-09	1.84E-08
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	5008	19	25	8.02E-06	5.06E-02	1.40E-04	1.12E-08	0.00E+00	1.24E-08	1.24E-08	0.00E+00	1.14E-08	1.14E-08	1.13E-03	7.69E-09	4.21E-08
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	624	2	25	1.00E-06	6.31E-03	1.75E-05	1.40E-09	0.00E+00	1.55E-09	1.55E-09	0.00E+00	1.42E-09	1.42E-09	1.41E-04	9.58E-10	5.24E-09
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	528	2	25	8.46E-07	5.34E-03	1.48E-05	1.18E-09	0.00E+00	1.31E-09	1.31E-09	0.00E+00	1.21E-09	1.21E-09	1.19E-04	8.10E-10	4.44E-09
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	546	2	25	9.01E-07	5.52E-03	1.58E-05	1.24E-09	0.00E+00	1.40E-09	1.40E-09	0.00E+00	1.29E-09	1.29E-09	1.25E-04	8.38E-10	3.17E-09
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	7825	30	25	1.29E-05	7.91E-02	2.26E-04	1.78E-08	0.00E+00	2.01E-08	2.01E-08	0.00E+00	1.85E-08	1.85E-08	1.80E-03	1.20E-08	4.54E-08
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	9390	36	25	1.55E-05	9.50E-02	2.71E-04	2.13E-08	0.00E+00	2.42E-08	2.42E-08	0.00E+00	2.22E-08	2.22E-08	2.16E-03	1.44E-08	5.45E-08
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	2738.75	11	25	4.52E-06	2.77E-02	7.90E-05	6.22E-09	0.00E+00	7.04E-09	7.04E-09	0.00E+00	6.48E-09	6.48E-09	6.29E-04	4.20E-09	1.59E-08
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	6260	24	25	1.03E-05	6.33E-02	1.81E-04	1.42E-08	0.00E+00	1.61E-08	1.61E-08	0.00E+00	1.48E-08	1.48E-08	1.44E-03	9.60E-09	3.63E-08
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	780	3	25	1.29E-06	7.89E-03	2.25E-05	1.77E-09	0.00E+00	2.01E-09	2.01E-09	0.00E+00	1.84E-09	1.84E-09	1.79E-04	1.20E-09	4.53E-09
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	660	3	25	1.09E-06	6.67E-03	1.90E-05	1.50E-09	0.00E+00	1.70E-09	1.70E-09	0.00E+00	1.56E-09	1.56E-09	1.52E-04	1.01E-09	3.83E-09

							Haul Running Emission Factors											
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission Factor (g/mile)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	2170	8	25	1.84E-02	2.46E+00	1.99E-01	1.08E-02	3.96E-01	1.99E-02	4.16E-01	1.09E-01	1.90E-02	1.28E-01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	364	1	25	1.84E-02	2.46E+00	1.99E-01	1.08E-02	3.96E-01	1.99E-02	4.16E-01	1.09E-01	1.90E-02	1.28E-01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	25	1.84E-02	2.46E+00	1.99E-01	1.08E-02	3.96E-01	1.99E-02	4.16E-01	1.09E-01	1.90E-02	1.28E-01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	7512	29	25	1.84E-02	2.46E+00	1.99E-01	1.08E-02	3.96E-01	1.99E-02	4.16E-01	1.09E-01	1.90E-02	1.28E-01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	2191	8	25	1.84E-02	2.46E+00	1.99E-01	1.08E-02	3.96E-01	1.99E-02	4.16E-01	1.09E-01	1.90E-02	1.28E-01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	5008	19	25	1.84E-02	2.46E+00	1.99E-01	1.08E-02	3.96E-01	1.99E-02	4.16E-01	1.09E-01	1.90E-02	1.28E-01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	0	0	25	1.84E-02	2.46E+00	1.99E-01	1.08E-02	3.96E-01	1.99E-02	4.16E-01	1.09E-01	1.90E-02	1.28E-01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	25	1.84E-02	2.46E+00	1.99E-01	1.08E-02	3.96E-01	1.99E-02	4.16E-01	1.09E-01	1.90E-02	1.28E-01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	25	1.84E-02	2.46E+00	1.99E-01	1.08E-02	3.96E-01	1.99E-02	4.16E-01	1.09E-01	1.90E-02	1.28E-01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	624	2	25	1.84E-02	2.46E+00	1.99E-01	1.08E-02	3.96E-01	1.99E-02	4.16E-01	1.09E-01	1.90E-02	1.28E-01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	528	2	25	1.84E-02	2.46E+00	1.99E-01	1.08E-02	3.96E-01	1.99E-02	4.16E-01	1.09E-01	1.90E-02	1.28E-01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	2170	8	25	1.83E-02	2.46E+00	2.00E-01	1.06E-02	3.96E-01	1.94E-02	4.16E-01	1.09E-01	1.86E-02	1.27E-01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	364	1	25	1.83E-02	2.46E+00	2.00E-01	1.06E-02	3.96E-01	1.94E-02	4.16E-01	1.09E-01	1.86E-02	1.27E-01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	25	1.83E-02	2.46E+00	2.00E-01	1.06E-02	3.96E-01	1.94E-02	4.16E-01	1.09E-01	1.86E-02	1.27E-01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	25	1.83E-02	2.46E+00	2.00E-01	1.06E-02	3.96E-01	1.94E-02	4.16E-01	1.09E-01	1.86E-02	1.27E-01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	2191	8	25	1.83E-02	2.46E+00	2.00E-01	1.06E-02	3.96E-01	1.94E-02	4.16E-01	1.09E-01	1.86E-02	1.27E-01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	25	1.83E-02	2.46E+00	2.00E-01	1.06E-02	3.96E-01	1.94E-02	4.16E-01	1.09E-01	1.86E-02	1.27E-01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	25	1.83E-02	2.46E+00	2.00E-01	1.06E-02	3.96E-01	1.94E-02	4.16E-01	1.09E-01	1.86E-02	1.27E-01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	25	1.83E-02	2.46E+00	2.00E-01	1.06E-02	3.96E-01	1.94E-02	4.16E-01	1.09E-01	1.86E-02	1.27E-01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	25	1.83E-02	2.46E+00	2.00E-01	1.06E-02	3.96E-01	1.94E-02	4.16E-01	1.09E-01	1.86E-02	1.27E-01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	25	1.83E-02	2.46E+00	2.00E-01	1.06E-02	3.96E-01	1.94E-02	4.16E-01	1.09E-01	1.86E-02	1.27E-01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	25	1.83E-02	2.46E+00	2.00E-01	1.06E-02	3.96E-01	1.94E-02	4.16E-01	1.09E-01	1.86E-02	1.27E-01	1.12E+03	8.51E-04	1.76E-01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	1937.5	7	25	1.83E-02	2.46E+00	1.99E-01	1.04E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.85E-02	1.27E-01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	416	2	25	1.83E-02	2.46E+00	1.99E-01	1.04E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.85E-02	1.27E-01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	6260	24	25	1.83E-02	2.46E+00	1.99E-01	1.04E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.85E-02	1.27E-01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	7512	29	25	1.83E-02	2.46E+00	1.99E-01	1.04E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.85E-02	1.27E-01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	25	1.83E-02	2.46E+00	1.99E-01	1.04E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.85E-02	1.27E-01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	5008	19	25	1.83E-02	2.46E+00	1.99E-01	1.04E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.85E-02	1.27E-01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	0	0	25	1.83E-02	2.46E+00	1.99E-01	1.04E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.85E-02	1.27E-01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	0	0	25	1.83E-02	2.46E+00	1.99E-01	1.04E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.85E-02	1.27E-01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	25	1.83E-02	2.46E+00	1.99E-01	1.04E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.85E-02	1.27E-01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	624	2	25	1.83E-02	2.46E+00	1.99E-01	1.04E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.85E-02	1.27E-01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	528	2	25	1.83E-02	2.46E+00	1.99E-01	1.04E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.85E-02	1.27E-01	1.10E+03	8.50E-04	1.73E-01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	468	2	25	1.83E-02	2.46E+00	1.99E-01	1.02E-02	3.96E-01	1.92E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	6260	24	25	1.83E-02	2.46E+00	1.99E-01	1.02E-02	3.96E-01	1.92E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	7512	29	25	1.83E-02	2.46E+00	1.99E-01	1.02E-02	3.96E-01	1.92E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	2191	8	25	1.83E-02	2.46E+00	1.99E-01	1.02E-02	3.96E-01	1.92E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	5008	19	25	1.83E-02	2.46E+00	1.99E-01	1.02E-02	3.96E-01	1.92E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	0	0	25	1.83E-02	2.46E+00	1.99E-01	1.02E-02	3.96E-01	1.92E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	0	0	25	1.83E-02	2.46E+00	1.99E-01	1.02E-02	3.96E-01	1.92E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	25	1.83E-02	2.46E+00	1.99E-01	1.02E-02	3.96E-01	1.92E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	624	2	25	1.83E-02	2.46E+00	1.99E-01	1.02E-02	3.96E-01	1.92E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	528	2	25	1.83E-02	2.46E+00	1.99E-01	1.02E-02	3.96E-01	1.92E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.08E+03	8.49E-04	1.70E-01
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	546	2	25	1.82E-02	2.45E+00	1.99E-01	1.00E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	7825	30	25	1.82E-02	2.45E+00	1.99E-01	1.00E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	9390	36	25	1.82E-02	2.45E+00	1.99E-01	1.00E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	2738.75	11	25	1.82E-02	2.45E+00	1.99E-01	1.00E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	6260	24	25	1.82E-02	2.45E+00	1.99E-01	1.00E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	0	0	25	1.82E-02	2.45E+00	1.99E-01	1.00E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	0	0	25	1.82E-02	2.45E+00	1.99E-01	1.00E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	0	0	25	1.82E-02	2.45E+00	1.99E-01	1.00E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	780	3	25	1.82E-02	2.45E+00	1.99E-01	1.00E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	660	3	25	1.82E-02	2.45E+00	1.99E-01	1.00E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.06E+03	8.47E-04	1.67E-01

							Daily Emissions												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	2170	8	25	8.49E-03	1.13E+00	9.15E-02	4.97E-03	1.82E-01	9.14E-03	1.91E-01	4.99E-02	8.75E-03	5.87E-02	5.26E+02	3.94E-04	8.26E-02
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	364	1	25	1.42E-03	1.90E-01	1.54E-02	8.33E-04	3.06E-02	1.53E-03	3.21E-02	8.38E-03	1.47E-03	9.84E-03	8.82E+01	6.61E-05	1.39E-02
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	25	2.45E-02	3.26E+00	2.64E-01	1.43E-02	5.26E-01	2.64E-02	5.52E-01	1.44E-01	2.52E-02	1.69E-01	1.52E+03	1.14E-03	2.38E-01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	7512	29	25	2.94E-02	3.92E+00	3.17E-01	1.72E-02	6.31E-01	3.17E-02	6.63E-01	1.73E-01	3.03E-02	2.03E-01	1.82E+03	1.36E-03	2.86E-01
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	2191	8	25	8.57E-03	1.14E+00	9.24E-02	5.01E-03	1.84E-01	9.23E-03	1.93E-01	5.04E-02	8.83E-03	5.92E-02	5.31E+02	3.98E-04	8.34E-02
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	5008	19	25	1.96E-02	2.61E+00	2.11E-01	1.15E-02	4.21E-01	2.11E-02	4.42E-01	1.15E-01	2.02E-02	1.35E-01	1.21E+03	9.10E-04	1.91E-01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	624	2	25	2.44E-03	3.25E-01	2.63E-02	1.43E-03	5.24E-02	2.63E-03	5.50E-02	1.44E-02	2.52E-03	1.69E-02	1.51E+02	1.13E-04	2.38E-02
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	528	2	25	2.06E-03	2.75E-01	2.23E-02	1.21E-03	4.43E-02	2.22E-03	4.66E-02	1.21E-02	2.13E-03	1.43E-02	1.28E+02	9.59E-05	2.01E-02
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	2170	8	25	8.43E-03	1.13E+00	9.18E-02	4.87E-03	1.82E-01	8.92E-03	1.91E-01	4.99E-02	8.53E-03	5.85E-02	5.15E+02	3.92E-04	8.09E-02
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	364	1	25	1.41E-03	1.90E-01	1.54E-02	8.16E-04	3.06E-02	1.50E-03	3.21E-02	8.38E-03	1.43E-03	9.81E-03	8.64E+01	6.57E-05	1.36E-02
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	25	2.43E-02	3.26E+00	2.65E-01	1.40E-02	5.26E-01	2.57E-02	5.51E-01	1.44E-01	2.46E-02	1.69E-01	1.49E+03	1.13E-03	2.34E-01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	25	2.92E-02	3.92E+00	3.18E-01	1.68E-02	6.31E-01	3.09E-02	6.62E-01	1.73E-01	2.95E-02	2.02E-01	1.78E+03	1.36E-03	2.80E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	2191	8	25	8.51E-03	1.14E+00	9.27E-02	4.91E-03	1.84E-01	9.01E-03	1.93E-01	5.04E-02	8.62E-03	5.90E-02	5.20E+02	3.95E-04	8.17E-02
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	25	1.95E-02	2.61E+00	2.12E-01	1.12E-02	4.21E-01	2.06E-02	4.41E-01	1.15E-01	1.97E-02	1.35E-01	1.19E+03	9.04E-04	1.87E-01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	25	2.42E-03	3.25E-01	2.64E-02	1.40E-03	5.24E-02	2.56E-03	5.50E-02	1.44E-02	2.45E-03	1.68E-02	1.48E+02	1.13E-04	2.33E-02
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	25	2.05E-03	2.75E-01	2.23E-02	1.18E-03	4.43E-02	2.17E-03	4.65E-02	1.21E-02	2.08E-03	1.42E-02	1.25E+02	9.53E-05	1.97E-02
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	1937.5	7	25	7.52E-03	1.01E+00	8.19E-02	4.26E-03	1.63E-01	7.93E-03	1.71E-01	4.46E-02	7.58E-03	5.22E-02	4.51E+02	3.49E-04	7.09E-02
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	416	2	25	1.61E-03	2.17E-01	1.76E-02	9.16E-04	3.49E-02	1.70E-03	3.66E-02	9.57E-03	1.63E-03	1.12E-02	9.69E+01	7.50E-05	1.52E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	6260	24	25	2.43E-02	3.26E+00	2.65E-01	1.38E-02	5.26E-01	2.56E-02	5.51E-01	1.44E-01	2.45E-02	1.69E-01	1.46E+03	1.13E-03	2.29E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	7512	29	25	2.91E-02	3.91E+00	3.18E-01	1.65E-02	6.31E-01	3.07E-02	6.62E-01	1.73E-01	2.94E-02	2.02E-01	1.75E+03	1.35E-03	2.75E-01
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	25	8.50E-03	1.14E+00	9.26E-02	4.82E-03	1.84E-01	8.96E-03	1.93E-01	5.04E-02	8.57E-03	5.90E-02	5.10E+02	3.95E-04	8.02E-02
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	5008	19	25	1.94E-02	2.61E+00	2.12E-01	1.10E-02	4.21E-01	2.05E-02	4.41E-01	1.15E-01	1.96E-02	1.35E-01	1.17E+03	9.02E-04	1.83E-01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	624	2	25	2.42E-03	3.25E-01	2.64E-02	1.37E-03	5.24E-02	2.55E-03	5.50E-02	1.44E-02	2.44E-03	1.68E-02	1.45E+02	1.12E-04	2.28E-02
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	528	2	25	2.05E-03	2.75E-01	2.23E-02	1.16E-03	4.43E-02	2.16E-03	4.65E-02	1.21E-02	2.07E-03	1.42E-02	1.23E+02	9.51E-05	1.93E-02
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	468	2	25	1.81E-03	2.44E-01	1.98E-02	1.01E-03	3.93E-02	1.91E-03	4.12E-02	1.08E-02	1.82E-03	1.26E-02	1.07E+02	8.42E-05	1.68E-02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	6260	24	25	2.42E-02	3.26E+00	2.64E-01	1.35E-02	5.26E-01	2.55E-02	5.51E-01	1.44E-01	2.44E-02	1.68E-01	1.43E+03	1.13E-03	2.25E-01
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	7512	29	25	2.91E-02	3.91E+00	3.17E-01	1.63E-02	6.31E-01	3.06E-02	6.61E-01	1.73E-01	2.93E-02	2.02E-01	1.72E+03	1.35E-03	2.70E-01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	2191	8	25	8.48E-03	1.14E+00	9.25E-02	4.74E-03	1.84E-01	8.92E-03	1.93E-01	5.04E-02	8.54E-03	5.90E-02	5.02E+02	3.94E-04	7.89E-02
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	5008	19	25	1.94E-02	2.61E+00	2.12E-01	1.08E-02	4.21E-01	2.04E-02	4.41E-01	1.15E-01	1.95E-02	1.35E-01	1.15E+03	9.01E-04	1.80E-01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	624	2	25	2.42E-03	3.25E-01	2.64E-02	1.35E-03	5.24E-02	2.54E-03	5.49E-02	1.44E-02	2.43E-03	1.68E-02	1.43E+02	1.12E-04	2.25E-02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	528	2	25	2.04E-03	2.75E-01	2.23E-02	1.14E-03	4.43E-02	2.15E-03	4.65E-02	1.21E-02	2.06E-03	1.42E-02	1.21E+02	9.50E-05	1.90E-02
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	546	2	25	2.11E-03	2.84E-01	2.30E-02	1.16E-03	4.59E-02	2.21E-03	4.81E-02	1.26E-02	2.12E-03	1.47E-02	1.23E+02	9.80E-05	1.93E-02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	7825	30	25	3.02E-02	4.07E+00	3.30E-01	1.67E-02	6.57E-01	3.17E-02	6.89E-01	1.80E-01	3.03E-02	2.10E-01	1.76E+03	1.40E-03	2.77E-01
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	9390	36	25	3.63E-02	4.88E+00	3.96E-01	2.00E-02	7.89E-01	3.80E-02	8.27E-01	2.16E-01	3.64E-02	2.52E-01	2.12E+03	1.69E-03	3.32E-01
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	2738.75	11	25	1.06E-02	1.42E+00	1.15E-01	5.83E-03	2.30E-01	1.11E-02	2.41E-01	6.30E-02	1.06E-02	7.36E-02	6.17E+02	4.92E-04	9.70E-02
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	6260	24	25	2.42E-02	3.26E+00	2.64E-01	1.33E-02	5.26E-01	2.54E-02	5.51E-01	1.44E-01	2.43E-02	1.68E-01	1.41E+03	1.12E-03	2.22E-01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	780	3	25	3.01E-03	4.06E-01	3.29E-02	1.66E-03	6.55E-02	3.16E-03	6.87E-02	1.79E-02	3.02E-03	2.10E-02	1.76E+02	1.40E-04	2.76E-02
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	660	3	25	2.55E-03	3.43E-01	2.78E-02	1.40E-03	5.54E-02	2.67E-03	5.81E-02	1.52E-02	2.56E-03	1.77E-02	1.49E+02	1.18E-04	2.34E-02

						Vendor Starting Evaporative Emission Factors												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission Factor (g/trip)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	10	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	4	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	2	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	15	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	6	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	7	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	6	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	4	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	6	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	10	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	4	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	15	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	9.5	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	3	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	2	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	7	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	6	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	4	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	2	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	25	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	2	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	6	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	7	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	6	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	4	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	6	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	2.5	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	31.25	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	2.5	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	18.75	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	7.5	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.75	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	7.5	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	5	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	7.5	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	10	25	15	7.59E-04	2.25E-02	4.59E-03	4.71E-07	0.00E+00	5.54E-07	5.54E-07	0.00E+00	5.09E-07	5.09E-07	4.76E-02	4.54E-05	4.13E-05
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	4	25	15	3.04E-04	8.99E-03	1.84E-03	1.88E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.04E-07	2.04E-07	1.90E-02	1.82E-05	1.65E-05
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	25	15	1.90E-03	5.62E-02	1.15E-02	1.18E-06	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	1.19E-01	1.14E-04	1.03E-04
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	2	25	15	1.52E-04	4.49E-03	9.18E-04	9.42E-08	0.00E+00	1.11E-07	1.11E-07	0.00E+00	1.02E-07	1.02E-07	9.51E-03	9.09E-06	8.26E-06
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	15	25	15	1.14E-03	3.37E-02	6.88E-03	7.06E-07	0.00E+00	8.31E-07	8.31E-07	0.00E+00	7.64E-07	7.64E-07	7.14E-02	6.81E-05	6.19E-05
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	6	25	15	4.55E-04	1.35E-02	2.75E-03	2.82E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.85E-02	2.73E-05	2.48E-05
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	7	25	15	5.31E-04	1.57E-02	3.21E-03	3.30E-07	0.00E+00	3.88E-07	3.88E-07	0.00E+00	3.56E-07	3.56E-07	3.33E-02	3.18E-05	2.89E-05
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	6	25	15	4.55E-04	1.35E-02	2.75E-03	2.82E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.85E-02	2.73E-05	2.48E-05
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	4	25	15	3.04E-04	8.99E-03	1.84E-03	1.88E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.04E-07	2.04E-07	1.90E-02	1.82E-05	1.65E-05
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	6	25	15	4.55E-04	1.35E-02	2.75E-03	2.82E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.85E-02	2.73E-05	2.48E-05
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	10	25	15	7.35E-04	2.25E-02	4.45E-03	4.59E-07	0.00E+00	5.52E-07	5.52E-07	0.00E+00	5.07E-07	5.07E-07	4.64E-02	4.45E-05	4.10E-05
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	4	25	15	2.94E-04	9.00E-03	1.78E-03	1.84E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.03E-07	2.03E-07	1.86E-02	1.78E-05	1.64E-05
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	25	15	1.84E-03	5.62E-02	1.11E-02	1.15E-06	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	1.16E-01	1.11E-04	1.02E-04
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	25	15	1.47E-04	4.50E-03	8.89E-04	9.19E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.01E-07	1.01E-07	9.28E-03	8.90E-06	8.20E-06
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	15	25	15	1.10E-03	3.37E-02	6.67E-03	6.89E-07	0.00E+00	8.28E-07	8.28E-07	0.00E+00	7.61E-07	7.61E-07	6.96E-02	6.68E-05	6.15E-05
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	25	15	4.41E-04	1.35E-02	2.67E-03	2.76E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.78E-02	2.67E-05	2.46E-05
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	25	15	5.15E-04	1.57E-02	3.11E-03	3.21E-07	0.00E+00	3.86E-07	3.86E-07	0.00E+00	3.55E-07	3.55E-07	3.25E-02	3.12E-05	2.87E-05
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	25	15	4.41E-04	1.35E-02	2.67E-03	2.76E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.78E-02	2.67E-05	2.46E-05
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	25	15	2.94E-04	9.00E-03	1.78E-03	1.84E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.03E-07	2.03E-07	1.86E-02	1.78E-05	1.64E-05
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	25	15	4.41E-04	1.35E-02	2.67E-03	2.76E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.78E-02	2.67E-05	2.46E-05
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	9.5	25	15	6.80E-04	2.14E-02	4.12E-03	4.27E-07	0.00E+00	5.24E-07	5.24E-07	0.00E+00	4.82E-07	4.82E-07	4.32E-02	4.17E-05	3.88E-05
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	3	25	15	2.15E-04	6.75E-03	1.30E-03	1.35E-07	0.00E+00	1.65E-07	1.65E-07	0.00E+00	1.52E-07	1.52E-07	1.36E-02	1.32E-05	1.22E-05
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	25	15	1.79E-03	5.63E-02	1.08E-02	1.12E-06	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	1.14E-01	1.10E-04	1.02E-04
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	2	25	15	1.43E-04	4.50E-03	8.67E-04	9.00E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.01E-07	1.01E-07	9.09E-03	8.78E-06	8.16E-06
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	25	15	1.07E-03	3.38E-02	6.50E-03	6.75E-07	0.00E+00	8.27E-07	8.27E-07	0.00E+00	7.60E-07	7.60E-07	6.82E-02	6.58E-05	6.12E-05
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	25	15	4.30E-04	1.35E-02	2.60E-03	2.70E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.73E-02	2.63E-05	2.45E-05
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	7	25	15	5.01E-04	1.58E-02	3.03E-03	3.15E-07	0.00E+00	3.86E-07	3.86E-07	0.00E+00	3.55E-07	3.55E-07	3.18E-02	3.07E-05	2.86E-05
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	6	25	15	4.30E-04	1.35E-02	2.60E-03	2.70E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.73E-02	2.63E-05	2.45E-05
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	4	25	15	2.86E-04	9.01E-03	1.73E-03	1.80E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.03E-07	2.03E-07	1.82E-02	1.76E-05	1.63E-05
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	25	15	4.30E-04	1.35E-02	2.60E-03	2.70E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.73E-02	2.63E-05	2.45E-05
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	2	25	15	1.40E-04	4.51E-03	8.49E-04	8.84E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.02E-07	1.02E-07	8.94E-03	8.68E-06	8.15E-06
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	25	25	15	1.75E-03	5.63E-02	1.06E-02	1.11E-06	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	1.12E-01	1.09E-04	1.02E-04
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	2	25	15	1.40E-04	4.51E-03	8.49E-04	8.84E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.02E-07	1.02E-07	8.94E-03	8.68E-06	8.15E-06
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	25	15	1.05E-03	3.38E-02	6.37E-03	6.63E-07	0.00E+00	8.28E-07	8.28E-07	0.00E+00	7.61E-07	7.61E-07	6.70E-02	6.51E-05	6.11E-05
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	6	25	15	4.20E-04	1.35E-02	2.55E-03	2.65E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.05E-07	3.05E-07	2.68E-02	2.61E-05	2.44E-05
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	7	25	15	4.90E-04	1.58E-02	2.97E-03	3.09E-07	0.00E+00	3.86E-07	3.86E-07	0.00E+00	3.55E-07	3.55E-07	3.13E-02	3.04E-05	2.85E-05
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	6	25	15	4.20E-04	1.35E-02	2.55E-03	2.65E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.05E-07	3.05E-07	2.68E-02	2.61E-05	2.44E-05
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	4	25	15	2.80E-04	9.01E-03	1.70E-03	1.77E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.03E-07	2.03E-07	1.79E-02	1.74E-05	1.63E-05
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	6	25	15	4.20E-04	1.35E-02	2.55E-03	2.65E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.05E-07	3.05E-07	2.68E-02	2.61E-05	2.44E-05
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	2.5	25	15	1.71E-04	5.64E-03	1.04E-03	1.09E-07	0.00E+00	1.38E-07	1.38E-07	0.00E+00	1.27E-07	1.27E-07	1.10E-02	1.08E-05	1.02E-05
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	31.25	25	15	2.14E-03	7.04E-02	1.30E-02	1.36E-06	0.00E+00	1.73E-06	1.73E-06	0.00E+00	1.59E-06	1.59E-06	1.37E-01	1.34E-04	1.27E-04
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	2.5	25	15	1.71E-04	5.64E-03	1.04E-03	1.09E-07	0.00E+00	1.38E-07	1.38E-07	0.00E+00	1.27E-07	1.27E-07	1.10E-02	1.08E-05	1.02E-05
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	18.75	25	15	1.29E-03	4.23E-02	7.80E-03	8.15E-07	0.00E+00	1.04E-06	1.04E-06	0.00E+00	9.54E-07	9.54E-07	8.24E-02	8.06E-05	7.63E-05
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	7.5	25	15	5.14E-04	1.69E-02	3.12E-03	3.26E-07	0.00E+00	4.15E-07	4.15E-07	0.00E+00	3.81E-07	3.81E-07	3.30E-02	3.23E-05	3.05E-05
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.75	25	15	6.00E-04	1.97E-02	3.64E-03	3.80E-07	0.00E+00	4.84E-07	4.84E-07	0.00E+00	4.45E-07	4.45E-07	3.84E-02	3.76E-05	3.56E-05
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	7.5	25	15	5.14E-04	1.69E-02	3.12E-03	3.26E-07	0.00E+00	4.15E-07	4.15E-07	0.00E+00	3.81E-07	3.81E-07	3.30E-02	3.23E-05	3.05E-05
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	5	25	15	3.43E-04	1.13E-02	2.08E-03	2.17E-07	0.00E+00	2.77E-07	2.77E-07	0.00E+00	2.54E-07	2.54E-07	2.20E-02	2.15E-05	2.03E-05
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	7.5	25	15	5.14E-04	1.69E-02	3.12E-03	3.26E-07	0.00E+00	4.15E-07	4.15E-07	0.00E+00	3.81E-07	3.81E-07	3.30E-02	3.23E-05	3.05E-05

						Vendor Running Emission Factors												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission Factor (g/mile)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	10	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	4	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	2	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	15	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	6	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	7	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	6	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	4	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	6	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	10	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	4	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	15	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	9.5	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	3	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	2	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	7	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	6	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	4	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	2	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	25	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	2	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	6	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	7	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	6	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	4	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	6	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	2.5	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	31.25	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	2.5	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	18.75	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	7.5	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.75	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	7.5	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	5	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	7.5	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	10	25	15	8.30E-03	9.20E-01	1.62E-01	5.29E-03	2.31E-01	7.33E-03	2.38E-01	6.64E-02	7.01E-03	7.34E-02	5.73E+02	2.22E-02	8.28E-02
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	4	25	15	3.32E-03	3.68E-01	6.49E-02	2.12E-03	9.24E-02	2.93E-03	9.53E-02	2.66E-02	2.80E-03	2.94E-02	2.29E+02	8.87E-03	3.31E-02
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	25	15	2.08E-02	2.30E+00	4.05E-01	1.32E-02	5.78E-01	1.83E-02	5.96E-01	1.66E-01	1.75E-02	1.84E-01	1.43E+03	5.54E-02	2.07E-01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	2	25	15	1.66E-03	1.84E-01	3.24E-02	1.06E-03	4.62E-02	1.47E-03	4.77E-02	1.33E-02	1.40E-03	1.47E-02	1.15E+02	4.43E-03	1.66E-02
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	15	25	15	1.25E-02	1.38E+00	2.43E-01	7.94E-03	3.47E-01	1.10E-02	3.58E-01	9.96E-02	1.05E-02	1.10E-01	8.59E+02	3.32E-02	1.24E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	6	25	15	4.98E-03	5.52E-01	9.73E-02	3.18E-03	1.39E-01	4.40E-03	1.43E-01	3.99E-02	4.21E-03	4.41E-02	3.44E+02	1.33E-02	4.97E-02
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	7	25	15	5.81E-03	6.44E-01	1.13E-01	3.71E-03	1.62E-01	5.13E-03	1.67E-01	4.65E-02	4.91E-03	5.14E-02	4.01E+02	1.55E-02	5.80E-02
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	6	25	15	4.98E-03	5.52E-01	9.73E-02	3.18E-03	1.39E-01	4.40E-03	1.43E-01	3.99E-02	4.21E-03	4.41E-02	3.44E+02	1.33E-02	4.97E-02
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	4	25	15	3.32E-03	3.68E-01	6.49E-02	2.12E-03	9.24E-02	2.93E-03	9.53E-02	2.66E-02	2.80E-03	2.94E-02	2.29E+02	8.87E-03	3.31E-02
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	6	25	15	4.98E-03	5.52E-01	9.73E-02	3.18E-03	1.39E-01	4.40E-03	1.43E-01	3.99E-02	4.21E-03	4.41E-02	3.44E+02	1.33E-02	4.97E-02
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	10	25	15	8.14E-03	9.15E-01	1.62E-01	5.19E-03	2.31E-01	7.15E-03	2.38E-01	6.64E-02	6.84E-03	7.33E-02	5.62E+02	2.22E-02	8.13E-02
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	4	25	15	3.26E-03	3.66E-01	6.49E-02	2.08E-03	9.24E-02	2.86E-03	9.53E-02	2.66E-02	2.74E-03	2.93E-02	2.25E+02	8.89E-03	3.25E-02
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	25	15	2.03E-02	2.29E+00	4.06E-01	1.30E-02	5.78E-01	1.79E-02	5.95E-01	1.66E-01	1.71E-02	1.83E-01	1.41E+03	5.56E-02	2.03E-01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	25	15	1.63E-03	1.83E-01	3.24E-02	1.04E-03	4.62E-02	1.43E-03	4.76E-02	1.33E-02	1.37E-03	1.47E-02	1.12E+02	4.45E-03	1.63E-02
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	15	25	15	1.22E-02	1.37E+00	2.43E-01	7.79E-03	3.47E-01	1.07E-02	3.57E-01	9.96E-02	1.03E-02	1.10E-01	8.44E+02	3.34E-02	1.22E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	25	15	4.88E-03	5.49E-01	9.73E-02	3.12E-03	1.39E-01	4.29E-03	1.43E-01	3.99E-02	4.10E-03	4.40E-02	3.37E+02	1.33E-02	4.88E-02
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	25	15	5.70E-03	6.41E-01	1.14E-01	3.64E-03	1.62E-01	5.00E-03	1.67E-01	4.65E-02	4.79E-03	5.13E-02	3.94E+02	1.56E-02	5.69E-02
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	25	15	4.88E-03	5.49E-01	9.73E-02	3.12E-03	1.39E-01	4.29E-03	1.43E-01	3.99E-02	4.10E-03	4.40E-02	3.37E+02	1.33E-02	4.88E-02
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	25	15	3.26E-03	3.66E-01	6.49E-02	2.08E-03	9.24E-02	2.86E-03	9.53E-02	2.66E-02	2.74E-03	2.93E-02	2.25E+02	8.89E-03	3.25E-02
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	25	15	4.88E-03	5.49E-01	9.73E-02	3.12E-03	1.39E-01	4.29E-03	1.43E-01	3.99E-02	4.10E-03	4.40E-02	3.37E+02	1.33E-02	4.88E-02
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	9.5	25	15	7.62E-03	8.64E-01	1.54E-01	4.85E-03	2.19E-01	6.76E-03	2.26E-01	6.31E-02	6.47E-03	6.96E-02	5.26E+02	2.12E-02	7.61E-02
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	3	25	15	2.41E-03	2.73E-01	4.86E-02	1.53E-03	6.93E-02	2.13E-03	7.14E-02	1.99E-02	2.04E-03	2.20E-02	1.66E+02	6.69E-03	2.40E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	25	15	2.01E-02	2.27E+00	4.05E-01	1.28E-02	5.78E-01	1.78E-02	5.95E-01	1.66E-01	1.70E-02	1.83E-01	1.38E+03	5.58E-02	2.00E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	2	25	15	1.60E-03	1.82E-01	3.24E-02	1.02E-03	4.62E-02	1.42E-03	4.76E-02	1.33E-02	1.36E-03	1.46E-02	1.11E+02	4.46E-03	1.60E-02
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	25	15	1.20E-02	1.36E+00	2.43E-01	7.66E-03	3.47E-01	1.07E-02	3.57E-01	9.96E-02	1.02E-02	1.10E-01	8.30E+02	3.35E-02	1.20E-01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	25	15	4.81E-03	5.45E-01	9.73E-02	3.07E-03	1.39E-01	4.27E-03	1.43E-01	3.99E-02	4.08E-03	4.39E-02	3.32E+02	1.34E-02	4.80E-02
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	7	25	15	5.62E-03	6.36E-01	1.13E-01	3.58E-03	1.62E-01	4.98E-03	1.67E-01	4.65E-02	4.76E-03	5.13E-02	3.87E+02	1.56E-02	5.61E-02
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	6	25	15	4.81E-03	5.45E-01	9.73E-02	3.07E-03	1.39E-01	4.27E-03	1.43E-01	3.99E-02	4.08E-03	4.39E-02	3.32E+02	1.34E-02	4.80E-02
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	4	25	15	3.21E-03	3.64E-01	6.48E-02	2.04E-03	9.24E-02	2.85E-03	9.53E-02	2.66E-02	2.72E-03	2.93E-02	2.21E+02	8.92E-03	3.20E-02
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	25	15	4.81E-03	5.45E-01	9.73E-02	3.07E-03	1.39E-01	4.27E-03	1.43E-01	3.99E-02	4.08E-03	4.39E-02	3.32E+02	1.34E-02	4.80E-02
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	2	25	15	1.59E-03	1.81E-01	3.24E-02	1.01E-03	4.62E-02	1.42E-03	4.76E-02	1.33E-02	1.36E-03	1.46E-02	1.09E+02	4.47E-03	1.58E-02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	25	25	15	1.98E-02	2.26E+00	4.05E-01	1.26E-02	5.78E-01	1.77E-02	5.95E-01	1.66E-01	1.69E-02	1.83E-01	1.36E+03	5.59E-02	1.97E-01
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	2	25	15	1.59E-03	1.81E-01	3.24E-02	1.01E-03	4.62E-02	1.42E-03	4.76E-02	1.33E-02	1.36E-03	1.46E-02	1.09E+02	4.47E-03	1.58E-02
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	25	15	1.19E-02	1.35E+00	2.43E-01	7.55E-03	3.47E-01	1.06E-02	3.57E-01	9.96E-02	1.02E-02	1.10E-01	8.18E+02	3.36E-02	1.18E-01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	6	25	15	4.76E-03	5.42E-01	9.72E-02	3.02E-03	1.39E-01	4.25E-03	1.43E-01	3.99E-02	4.07E-03	4.39E-02	3.27E+02	1.34E-02	4.74E-02
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	7	25	15	5.55E-03	6.32E-01	1.13E-01	3.52E-03	1.62E-01	4.96E-03	1.67E-01	4.65E-02	4.75E-03	5.12E-02	3.82E+02	1.57E-02	5.53E-02
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	6	25	15	4.76E-03	5.42E-01	9.72E-02	3.02E-03	1.39E-01	4.25E-03	1.43E-01	3.99E-02	4.07E-03	4.39E-02	3.27E+02	1.34E-02	4.74E-02
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	4	25	15	3.17E-03	3.61E-01	6.48E-02	2.01E-03	9.24E-02	2.83E-03	9.53E-02	2.66E-02	2.71E-03	2.93E-02	2.18E+02	8.95E-03	3.16E-02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	6	25	15	4.76E-03	5.42E-01	9.72E-02	3.02E-03	1.39E-01	4.25E-03	1.43E-01	3.99E-02	4.07E-03	4.39E-02	3.27E+02	1.34E-02	4.74E-02
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	2.5	25	15	1.96E-03	2.24E-01	4.05E-02	1.24E-03	5.78E-02	1.76E-03	5.95E-02	1.66E-02	1.69E-03	1.83E-02	1.34E+02	5.61E-03	1.95E-02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	31.25	25	15	2.45E-02	2.80E+00	5.06E-01	1.55E-02	7.22E-01	2.20E-02	7.44E-01	2.08E-01	2.11E-02	2.29E-01	1.68E+03	7.01E-02	2.43E-01
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	2.5	25	15	1.96E-03	2.24E-01	4.05E-02	1.24E-03	5.78E-02	1.76E-03	5.95E-02	1.66E-02	1.69E-03	1.83E-02	1.34E+02	5.61E-03	1.95E-02
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	18.75	25	15	1.47E-02	1.68E+00	3.04E-01	9.30E-03	4.33E-01	1.32E-02	4.46E-01	1.25E-01	1.26E-02	1.37E-01	1.01E+03	4.20E-02	1.46E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	7.5	25	15	5.88E-03	6.73E-01	1.22E-01	3.72E-03	1.73E-01	5.29E-03	1.79E-01	4.98E-02	5.06E-03	5.49E-02	4.03E+02	1.68E-02	5.84E-02
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.75	25	15	6.86E-03	7.85E-01	1.42E-01	4.34E-03	2.02E-01	6.17E-03	2.08E-01	5.81E-02	5.90E-03	6.40E-02	4.70E+02	1.96E-02	6.81E-02
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	7.5	25	15	5.88E-03	6.73E-01	1.22E-01	3.72E-03	1.73E-01	5.29E-03	1.79E-01	4.98E-02	5.06E-03	5.49E-02	4.03E+02	1.68E-02	5.84E-02
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	5	25	15	3.92E-03	4.49E-01	8.10E-02	2.48E-03	1.16E-01	3.53E-03	1.19E-01	3.32E-02	3.37E-03	3.66E-02	2.69E+02	1.12E-02	3.89E-02
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	7.5	25	15	5.88E-03	6.73E-01	1.22E-01	3.72E-03	1.73E-01	5.29E-03	1.79E-01	4.98E-02	5.06E-03	5.49E-02	4.03E+02	1.68E-02	5.84E-02

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Worker Starting Evaporative Emission Factors ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission Factor (g/trip)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	25	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	10	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	10	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	10	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	25	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	15	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	40	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	25	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	10	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	10	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	10	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	25	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	40	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	25	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	25	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	10	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	10	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	10	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	25	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	18.75	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	50	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	31.25	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	31.25	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	18.75	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	12.5	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	12.5	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	12.5	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	31.25	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	25	3.14E-02	7.53E-03	9.47E-02	2.56E-05	0.00E+00	7.38E-05	7.38E-05	0.00E+00	6.79E-05	6.79E-05	2.59E+00	1.80E-03	1.10E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	25	9.43E-03	2.26E-03	2.84E-02	7.69E-06	0.00E+00	2.21E-05	2.21E-05	0.00E+00	2.04E-05	2.04E-05	7.77E-01	5.39E-04	3.31E-04
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	25	2.52E-02	6.03E-03	7.58E-02	2.05E-05	0.00E+00	5.90E-05	5.90E-05	0.00E+00	5.43E-05	5.43E-05	2.07E+00	1.44E-03	8.82E-04
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	25	25	1.57E-02	3.77E-03	4.74E-02	1.28E-05	0.00E+00	3.69E-05	3.69E-05	0.00E+00	3.39E-05	3.39E-05	1.30E+00	8.98E-04	5.51E-04
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	25	1.57E-02	3.77E-03	4.74E-02	1.28E-05	0.00E+00	3.69E-05	3.69E-05	0.00E+00	3.39E-05	3.39E-05	1.30E+00	8.98E-04	5.51E-04
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	25	9.43E-03	2.26E-03	2.84E-02	7.69E-06	0.00E+00	2.21E-05	2.21E-05	0.00E+00	2.04E-05	2.04E-05	7.77E-01	5.39E-04	3.31E-04
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	10	25	6.29E-03	1.51E-03	1.89E-02	5.13E-06	0.00E+00	1.48E-05	1.48E-05	0.00E+00	1.36E-05	1.36E-05	5.18E-01	3.59E-04	2.21E-04
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	10	25	6.29E-03	1.51E-03	1.89E-02	5.13E-06	0.00E+00	1.48E-05	1.48E-05	0.00E+00	1.36E-05	1.36E-05	5.18E-01	3.59E-04	2.21E-04
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	10	25	6.29E-03	1.51E-03	1.89E-02	5.13E-06	0.00E+00	1.48E-05	1.48E-05	0.00E+00	1.36E-05	1.36E-05	5.18E-01	3.59E-04	2.21E-04
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	25	25	1.57E-02	3.77E-03	4.74E-02	1.28E-05	0.00E+00	3.69E-05	3.69E-05	0.00E+00	3.39E-05	3.39E-05	1.30E+00	8.98E-04	5.51E-04
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	25	2.95E-02	7.24E-03	9.24E-02	2.51E-05	0.00E+00	6.95E-05	6.95E-05	0.00E+00	6.39E-05	6.39E-05	2.53E+00	1.69E-03	1.08E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	25	8.86E-03	2.17E-03	2.77E-02	7.52E-06	0.00E+00	2.08E-05	2.08E-05	0.00E+00	1.92E-05	1.92E-05	7.60E-01	5.07E-04	3.23E-04
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	25	2.36E-02	5.79E-03	7.39E-02	2.01E-05	0.00E+00	5.56E-05	5.56E-05	0.00E+00	5.11E-05	5.11E-05	2.03E+00	1.35E-03	8.62E-04
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	25	1.48E-02	3.62E-03	4.62E-02	1.25E-05	0.00E+00	3.47E-05	3.47E-05	0.00E+00	3.19E-05	3.19E-05	1.27E+00	8.44E-04	5.39E-04
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	25	1.48E-02	3.62E-03	4.62E-02	1.25E-05	0.00E+00	3.47E-05	3.47E-05	0.00E+00	3.19E-05	3.19E-05	1.27E+00	8.44E-04	5.39E-04
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	25	8.86E-03	2.17E-03	2.77E-02	7.52E-06	0.00E+00	2.08E-05	2.08E-05	0.00E+00	1.92E-05	1.92E-05	7.60E-01	5.07E-04	3.23E-04
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	25	5.90E-03	1.45E-03	1.85E-02	5.02E-06	0.00E+00	1.39E-05	1.39E-05	0.00E+00	1.28E-05	1.28E-05	5.07E-01	3.38E-04	2.16E-04
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	25	5.90E-03	1.45E-03	1.85E-02	5.02E-06	0.00E+00	1.39E-05	1.39E-05	0.00E+00	1.28E-05	1.28E-05	5.07E-01	3.38E-04	2.16E-04
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	25	5.90E-03	1.45E-03	1.85E-02	5.02E-06	0.00E+00	1.39E-05	1.39E-05	0.00E+00	1.28E-05	1.28E-05	5.07E-01	3.38E-04	2.16E-04
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	25	1.48E-02	3.62E-03	4.62E-02	1.25E-05	0.00E+00	3.47E-05	3.47E-05	0.00E+00	3.19E-05	3.19E-05	1.27E+00	8.44E-04	5.39E-04
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	25	2.78E-02	7.00E-03	9.03E-02	2.46E-05	0.00E+00	6.54E-05	6.54E-05	0.00E+00	6.01E-05	6.01E-05	2.48E+00	1.59E-03	1.06E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	15	25	8.34E-03	2.10E-03	2.71E-02	7.38E-06	0.00E+00	1.96E-05	1.96E-05	0.00E+00	1.80E-05	1.80E-05	7.45E-01	4.78E-04	3.17E-04
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	40	25	2.22E-02	5.60E-03	7.22E-02	1.97E-05	0.00E+00	5.23E-05	5.23E-05	0.00E+00	4.81E-05	4.81E-05	1.99E+00	1.27E-03	8.46E-04
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	25	25	1.39E-02	3.50E-03	4.51E-02	1.23E-05	0.00E+00	3.27E-05	3.27E-05	0.00E+00	3.01E-05	3.01E-05	1.24E+00	7.97E-04	5.29E-04
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	25	1.39E-02	3.50E-03	4.51E-02	1.23E-05	0.00E+00	3.27E-05	3.27E-05	0.00E+00	3.01E-05	3.01E-05	1.24E+00	7.97E-04	5.29E-04
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	25	8.34E-03	2.10E-03	2.71E-02	7.38E-06	0.00E+00	1.96E-05	1.96E-05	0.00E+00	1.80E-05	1.80E-05	7.45E-01	4.78E-04	3.17E-04
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	10	25	5.56E-03	1.40E-03	1.81E-02	4.92E-06	0.00E+00	1.31E-05	1.31E-05	0.00E+00	1.20E-05	1.20E-05	4.97E-01	3.19E-04	2.12E-04
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	10	25	5.56E-03	1.40E-03	1.81E-02	4.92E-06	0.00E+00	1.31E-05	1.31E-05	0.00E+00	1.20E-05	1.20E-05	4.97E-01	3.19E-04	2.12E-04
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	10	25	5.56E-03	1.40E-03	1.81E-02	4.92E-06	0.00E+00	1.31E-05	1.31E-05	0.00E+00	1.20E-05	1.20E-05	4.97E-01	3.19E-04	2.12E-04
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	25	25	1.39E-02	3.50E-03	4.51E-02	1.23E-05	0.00E+00	3.27E-05	3.27E-05	0.00E+00	3.01E-05	3.01E-05	1.24E+00	7.97E-04	5.29E-04
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	25	7.88E-03	2.04E-03	2.65E-02	7.24E-06	0.00E+00	1.85E-05	1.85E-05	0.00E+00	1.70E-05	1.70E-05	7.32E-01	4.53E-04	3.12E-04
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	40	25	2.10E-02	5.44E-03	7.07E-02	1.93E-05	0.00E+00	4.93E-05	4.93E-05	0.00E+00	4.53E-05	4.53E-05	1.95E+00	1.21E-03	8.33E-04
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	25	25	1.31E-02	3.40E-03	4.42E-02	1.21E-05	0.00E+00	3.08E-05	3.08E-05	0.00E+00	2.83E-05	2.83E-05	1.22E+00	7.55E-04	5.20E-04
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	25	25	1.31E-02	3.40E-03	4.42E-02	1.21E-05	0.00E+00	3.08E-05	3.08E-05	0.00E+00	2.83E-05	2.83E-05	1.22E+00	7.55E-04	5.20E-04
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	25	7.88E-03	2.04E-03	2.65E-02	7.24E-06	0.00E+00	1.85E-05	1.85E-05	0.00E+00	1.70E-05	1.70E-05	7.32E-01	4.53E-04	3.12E-04
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	10	25	5.25E-03	1.36E-03	1.77E-02	4.83E-06	0.00E+00	1.23E-05	1.23E-05	0.00E+00	1.13E-05	1.13E-05	4.88E-01	3.02E-04	2.08E-04
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	10	25	5.25E-03	1.36E-03	1.77E-02	4.83E-06	0.00E+00	1.23E-05	1.23E-05	0.00E+00	1.13E-05	1.13E-05	4.88E-01	3.02E-04	2.08E-04
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	10	25	5.25E-03	1.36E-03	1.77E-02	4.83E-06	0.00E+00	1.23E-05	1.23E-05	0.00E+00	1.13E-05	1.13E-05	4.88E-01	3.02E-04	2.08E-04
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	25	25	1.31E-02	3.40E-03	4.42E-02	1.21E-05	0.00E+00	3.08E-05	3.08E-05	0.00E+00	2.83E-05	2.83E-05	1.22E+00	7.55E-04	5.20E-04
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	18.75	25	9.33E-03	2.49E-03	3.25E-02	8.91E-06	0.00E+00	2.18E-05	2.18E-05	0.00E+00	2.00E-05	2.00E-05	9.00E-01	5.37E-04	3.85E-04
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	50	25	2.49E-02	6.64E-03	8.66E-02	2.38E-05	0.00E+00	5.80E-05	5.80E-05	0.00E+00	5.34E-05	5.34E-05	2.40E+00	1.43E-03	1.03E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	31.25	25	1.55E-02	4.15E-03	5.41E-02	1.48E-05	0.00E+00	3.63E-05	3.63E-05	0.00E+00	3.34E-05	3.34E-05	1.50E+00	8.95E-04	6.42E-04
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	31.25	25	1.55E-02	4.15E-03	5.41E-02	1.48E-05	0.00E+00	3.63E-05	3.63E-05	0.00E+00	3.34E-05	3.34E-05	1.50E+00	8.95E-04	6.42E-04
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	18.75	25	9.33E-03	2.49E-03	3.25E-02	8.91E-06	0.00E+00	2.18E-05	2.18E-05	0.00E+00	2.00E-05	2.00E-05	9.00E-01	5.37E-04	3.85E-04
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	12.5	25	6.22E-03	1.66E-03	2.17E-02	5.94E-06	0.00E+00	1.45E-05	1.45E-05	0.00E+00	1.33E-05	1.33E-05	6.00E-01	3.58E-04	2.57E-04
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	12.5	25	6.22E-03	1.66E-03	2.17E-02	5.94E-06	0.00E+00	1.45E-05	1.45E-05	0.00E+00	1.33E-05	1.33E-05	6.00E-01	3.58E-04	2.57E-04
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	12.5	25	6.22E-03	1.66E-03	2.17E-02	5.94E-06	0.00E+00	1.45E-05	1.45E-05	0.00E+00	1.33E-05	1.33E-05	6.00E-01	3.58E-04	2.57E-04
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	31.25	25	1.55E-02	4.15E-03	5.41E-02	1.48E-05	0.00E+00	3.63E-05	3.63E-05	0.00E+00	3.34E-05	3.34E-05	1.50E+00	8.95E-04	6.42E-04

					Worker Running Emission Factors												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission Factor (g/mile)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	10	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	25	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	15	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	10	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	25	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	10	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	12.5	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	37.5	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	17.5	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	25	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	12.5	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	17.5	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	50	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	10	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	10	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	50	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	25	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	15	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	25	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	40	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	0	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	15	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	10	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	50	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	25	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	25	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	37.5	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	25	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	17.5	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	12.5	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	25	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	25	1.85E-02	8.13E-02	1.53E+00	6.42E-03	9.50E-01	3.23E-03	9.53E-01	2.52E-01	2.97E-03	2.55E-01	6.49E+02	4.94E-03	1.04E-02
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	25	5.56E-03	2.44E-02	4.59E-01	1.93E-03	2.85E-01	9.70E-04	2.86E-01	7.55E-02	8.92E-04	7.64E-02	1.95E+02	1.48E-03	3.13E-03
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	25	1.48E-02	6.51E-02	1.23E+00	5.14E-03	7.60E-01	2.59E-03	7.62E-01	2.01E-01	2.38E-03	2.04E-01	5.19E+02	3.95E-03	8.35E-03
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	10	25	3.71E-03	1.63E-02	3.06E-01	1.28E-03	1.90E-01	6.46E-04	1.91E-01	5.03E-02	5.95E-04	5.09E-02	1.30E+02	9.88E-04	2.09E-03
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	25	9.27E-03	4.07E-02	7.66E-01	3.21E-03	4.75E-01	1.62E-03	4.76E-01	1.26E-01	1.49E-03	1.27E-01	3.24E+02	2.47E-03	5.22E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	25	25	9.27E-03	4.07E-02	7.66E-01	3.21E-03	4.75E-01	1.62E-03	4.76E-01	1.26E-01	1.49E-03	1.27E-01	3.24E+02	2.47E-03	5.22E-03
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	15	25	5.56E-03	2.44E-02	4.59E-01	1.93E-03	2.85E-01	9.70E-04	2.86E-01	7.55E-02	8.92E-04	7.64E-02	1.95E+02	1.48E-03	3.13E-03
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	10	25	3.71E-03	1.63E-02	3.06E-01	1.28E-03	1.90E-01	6.46E-04	1.91E-01	5.03E-02	5.95E-04	5.09E-02	1.30E+02	9.88E-04	2.09E-03
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	25	25	9.27E-03	4.07E-02	7.66E-01	3.21E-03	4.75E-01	1.62E-03	4.76E-01	1.26E-01	1.49E-03	1.27E-01	3.24E+02	2.47E-03	5.22E-03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	10	25	3.71E-03	1.63E-02	3.06E-01	1.28E-03	1.90E-01	6.46E-04	1.91E-01	5.03E-02	5.95E-04	5.09E-02	1.30E+02	9.88E-04	2.09E-03
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	25	1.67E-02	7.50E-02	1.47E+00	6.30E-03	9.50E-01	3.03E-03	9.53E-01	2.52E-01	2.79E-03	2.55E-01	6.37E+02	4.53E-03	1.01E-02
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	25	5.02E-03	2.25E-02	4.42E-01	1.89E-03	2.85E-01	9.10E-04	2.86E-01	7.55E-02	8.37E-04	7.64E-02	1.91E+02	1.36E-03	3.02E-03
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	25	1.34E-02	6.00E-02	1.18E+00	5.04E-03	7.60E-01	2.43E-03	7.62E-01	2.01E-01	2.23E-03	2.04E-01	5.10E+02	3.62E-03	8.06E-03
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	25	8.37E-03	3.75E-02	7.37E-01	3.15E-03	4.75E-01	1.52E-03	4.76E-01	1.26E-01	1.40E-03	1.27E-01	3.18E+02	2.27E-03	5.04E-03
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	25	8.37E-03	3.75E-02	7.37E-01	3.15E-03	4.75E-01	1.52E-03	4.76E-01	1.26E-01	1.40E-03	1.27E-01	3.18E+02	2.27E-03	5.04E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	25	5.02E-03	2.25E-02	4.42E-01	1.89E-03	2.85E-01	9.10E-04	2.86E-01	7.55E-02	8.37E-04	7.64E-02	1.91E+02	1.36E-03	3.02E-03
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	25	3.35E-03	1.50E-02	2.95E-01	1.26E-03	1.90E-01	6.07E-04	1.91E-01	5.03E-02	5.58E-04	5.09E-02	1.27E+02	9.06E-04	2.01E-03
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	25	3.35E-03	1.50E-02	2.95E-01	1.26E-03	1.90E-01	6.07E-04	1.91E-01	5.03E-02	5.58E-04	5.09E-02	1.27E+02	9.06E-04	2.01E-03
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	25	3.35E-03	1.50E-02	2.95E-01	1.26E-03	1.90E-01	6.07E-04	1.91E-01	5.03E-02	5.58E-04	5.09E-02	1.27E+02	9.06E-04	2.01E-03
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	25	8.37E-03	3.75E-02	7.37E-01	3.15E-03	4.75E-01	1.52E-03	4.76E-01	1.26E-01	1.40E-03	1.27E-01	3.18E+02	2.27E-03	5.04E-03
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	25	1.51E-02	6.98E-02	1.42E+00	6.19E-03	9.50E-01	2.84E-03	9.52E-01	2.52E-01	2.61E-03	2.54E-01	6.26E+02	4.16E-03	9.76E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	12.5	25	3.77E-03	1.74E-02	3.55E-01	1.55E-03	2.37E-01	7.10E-04	2.38E-01	6.29E-02	6.53E-04	6.36E-02	1.56E+02	1.04E-03	2.44E-03
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	25	7.55E-03	3.49E-02	7.10E-01	3.10E-03	4.75E-01	1.42E-03	4.76E-01	1.26E-01	1.31E-03	1.27E-01	3.13E+02	2.08E-03	4.88E-03
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	37.5	25	1.13E-02	5.23E-02	1.07E+00	4.64E-03	7.12E-01	2.13E-03	7.14E-01	1.89E-01	1.96E-03	1.91E-01	4.69E+02	3.12E-03	7.32E-03
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	25	7.55E-03	3.49E-02	7.10E-01	3.10E-03	4.75E-01	1.42E-03	4.76E-01	1.26E-01	1.31E-03	1.27E-01	3.13E+02	2.08E-03	4.88E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	25	4.53E-03	2.09E-02	4.26E-01	1.86E-03	2.85E-01	8.52E-04	2.86E-01	7.55E-02	7.84E-04	7.63E-02	1.88E+02	1.25E-03	2.93E-03
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	17.5	25	5.28E-03	2.44E-02	4.97E-01	2.17E-03	3.32E-01	9.94E-04	3.33E-01	8.81E-02	9.15E-04	8.90E-02	2.19E+02	1.45E-03	3.42E-03
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	25	25	7.55E-03	3.49E-02	7.10E-01	3.10E-03	4.75E-01	1.42E-03	4.76E-01	1.26E-01	1.31E-03	1.27E-01	3.13E+02	2.08E-03	4.88E-03
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	12.5	25	3.77E-03	1.74E-02	3.55E-01	1.55E-03	2.37E-01	7.10E-04	2.38E-01	6.29E-02	6.53E-04	6.36E-02	1.56E+02	1.04E-03	2.44E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	17.5	25	5.28E-03	2.44E-02	4.97E-01	2.17E-03	3.32E-01	9.94E-04	3.33E-01	8.81E-02	9.15E-04	8.90E-02	2.19E+02	1.45E-03	3.42E-03
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	50	25	1.37E-02	6.54E-02	1.37E+00	6.10E-03	9.50E-01	2.66E-03	9.52E-01	2.52E-01	2.45E-03	2.54E-01	6.16E+02	3.83E-03	9.50E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	10	25	2.74E-03	1.31E-02	2.75E-01	1.22E-03	1.90E-01	5.33E-04	1.90E-01	5.03E-02	4.90E-04	5.08E-02	1.23E+02	7.67E-04	1.90E-03
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	10	25	2.74E-03	1.31E-02	2.75E-01	1.22E-03	1.90E-01	5.33E-04	1.90E-01	5.03E-02	4.90E-04	5.08E-02	1.23E+02	7.67E-04	1.90E-03
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	50	25	1.37E-02	6.54E-02	1.37E+00	6.10E-03	9.50E-01	2.66E-03	9.52E-01	2.52E-01	2.45E-03	2.54E-01	6.16E+02	3.83E-03	9.50E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	25	25	6.84E-03	3.27E-02	6.87E-01	3.05E-03	4.75E-01	1.33E-03	4.76E-01	1.26E-01	1.23E-03	1.27E-01	3.08E+02	1.92E-03	4.75E-03
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	15	25	4.10E-03	1.96E-02	4.12E-01	1.83E-03	2.85E-01	7.99E-04	2.86E-01	7.55E-02	7.36E-04	7.63E-02	1.85E+02	1.15E-03	2.85E-03
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	25	25	6.84E-03	3.27E-02	6.87E-01	3.05E-03	4.75E-01	1.33E-03	4.76E-01	1.26E-01	1.23E-03	1.27E-01	3.08E+02	1.92E-03	4.75E-03
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	40	25	1.09E-02	5.23E-02	1.10E+00	4.88E-03	7.60E-01	2.13E-03	7.62E-01	2.01E-01	1.96E-03	2.03E-01	4.93E+02	3.07E-03	7.60E-03
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	15	25	4.10E-03	1.96E-02	4.12E-01	1.83E-03	2.85E-01	7.99E-04	2.86E-01	7.55E-02	7.36E-04	7.63E-02	1.85E+02	1.15E-03	2.85E-03
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	10	25	2.48E-03	1.24E-02	2.66E-01	1.20E-03	1.90E-01	5.01E-04	1.90E-01	5.03E-02	4.61E-04	5.08E-02	1.22E+02	7.08E-04	1.86E-03
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	50	25	1.24E-02	6.18E-02	1.33E+00	6.01E-03	9.50E-01	2.50E-03	9.52E-01	2.52E-01	2.30E-03	2.54E-01	6.08E+02	3.54E-03	9.29E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	25	25	6.20E-03	3.09E-02	6.66E-01	3.01E-03	4.75E-01	1.25E-03	4.76E-01	1.26E-01	1.15E-03	1.27E-01	3.04E+02	1.77E-03	4.64E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	25	25	6.20E-03	3.09E-02	6.66E-01	3.01E-03	4.75E-01	1.25E-03	4.76E-01	1.26E-01	1.15E-03	1.27E-01	3.04E+02	1.77E-03	4.64E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	37.5	25	9.29E-03	4.63E-02	9.99E-01	4.51E-03	7.12E-01	1.88E-03	7.14E-01	1.89E-01	1.73E-03	1.91E-01	4.56E+02	2.66E-03	6.97E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	25	25	6.20E-03	3.09E-02	6.66E-01	3.01E-03	4.75E-01	1.25E-03	4.76E-01	1.26E-01	1.15E-03	1.27E-01	3.04E+02	1.77E-03	4.64E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	25	3.72E-03	1.85E-02	4.00E-01	1.80E-03	2.85E-01	7.51E-04	2.86E-01	7.55E-02	6.91E-04	7.62E-02	1.82E+02	1.06E-03	2.79E-03
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	17.5	25	4.34E-03	2.16E-02	4.66E-01	2.10E-03	3.32E-01	8.76E-04	3.33E-01	8.81E-02	8.06E-04	8.89E-02	2.13E+02	1.24E-03	3.25E-03
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	12.5	25	3.10E-03	1.54E-02	3.33E-01	1.50E-03	2.37E-01	6.26E-04	2.38E-01	6.29E-02	5.76E-04	6.35E-02	1.52E+02	8.85E-04	2.32E-03
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	25	25	6.20E-03	3.09E-02	6.66E-01	3.01E-03	4.75E-01	1.25E-03	4.76E-01	1.26E-01	1.15E-03	1.27E-01	3.04E+02	1.77E-03	4.64E-03

World Logistics Center-Construction Plots 11, 12, & 21,22 (2030-2034)-Mitigated

South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	40,600.00	1000sqft	2,419.90	40,600,000.00	0
Parking Lot	123.60	Acre	123.60	5,384,016.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Construction Assumptions

Construction Phase - Project schedule

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	30.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	206.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	23.00
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tblGrading	AcresOfGrading	2,112.50	5,813.00
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tblGrading	AcresOfGrading	0.00	228.00
tblGrading	AcresOfGrading	1,950.00	2,906.50
tblGrading	AcresOfGrading	0.00	179.00
tblGrading	AcresOfGrading	0.00	130.00
tblGrading	AcresOfGrading	0.00	179.00
tblLandUse	LotAcreage	932.05	2,419.90
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tblOffRoadEquipment	HorsePower	231.00	445.00
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tblOffRoadEquipment	UsageHours	8.00	10.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2030	44.7467	183.5612	309.8580	0.8470	54.7507	6.0732	60.8239	19.2117	6.0732	25.2849	0.0000	89,335.8754	89,335.8754	3.7562	0.0000	89,429.7812
2031	36.4428	140.6578	277.6530	0.7195	39.6955	4.4644	44.1600	10.9362	4.4644	15.4006	0.0000	74,640.9153	74,640.9153	3.0101	0.0000	74,716.1684
2032	33.6731	129.5126	253.0647	0.6600	27.6405	3.9990	31.6395	9.6345	3.9990	13.6334	0.0000	68,687.5817	68,687.5817	2.7658	0.0000	68,756.7260
2033	24.3038	90.4129	213.4457	0.4815	8.0579	2.5850	10.6428	4.1950	2.5850	6.7800	0.0000	48,211.6857	48,211.6857	1.9333	0.0000	48,260.0168
2034	23.6285	87.0000	206.2810	0.4689	8.2577	2.4087	10.6664	4.2166	2.4087	6.6253	0.0000	47,030.7156	47,030.7156	1.8729	0.0000	47,077.5385
Maximum	**44.7467**	**183.5612**	**309.8580**	**0.8470**	**54.7507**	**6.0732**	**60.8239**	**19.2117**	**6.0732**	**25.2849**	**0.0000**	**89,335.8754**	**89,335.8754**	**3.7562**	**0.0000**	**89,429.7812**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2030	13.5905	59.1254	416.9313	0.8470	21.3528	1.4398	22.7926	7.4926	1.4398	8.9323	0.0000	89,335.8754	89,335.8754	3.7562	0.0000	89,429.7811
2031	12.0659	53.5150	362.7925	0.7195	15.4813	1.2329	16.7142	4.2651	1.2329	5.4980	0.0000	74,640.9153	74,640.9153	3.0101	0.0000	74,716.1684
2032	10.8877	49.0152	335.3485	0.6600	10.7798	1.1190	11.8987	3.7575	1.1190	4.8764	0.0000	68,687.5816	68,687.5816	2.7658	0.0000	68,756.7259

2033	8.7528	40.7600	258.4532	0.4815	3.1426	0.8307	3.9733	1.6361	0.8307	2.4668	0.0000	48,211.6856	48,211.6856	1.9333	0.0000	48,260.0167
2034	8.5678	38.8914	250.7772	0.4689	3.2205	0.8056	4.0261	1.6445	0.8056	2.4501	0.0000	47,030.7156	47,030.7156	1.8729	0.0000	47,077.5384
Maximum	**13.5905**	**59.1254**	**416.9313**	**0.8470**	**21.3528**	**1.4398**	**22.7926**	**7.4926**	**1.4398**	**8.9323**	**0.0000**	**89,335.8754**	**89,335.8754**	**3.7562**	**0.0000**	**89,429.7811**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**66.91**	**61.77**	**-28.88**	**0.00**	**61.00**	**72.21**	**62.39**	**61.00**	**72.21**	**64.23**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	909.6882	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Energy	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
Total	**912.1233**	**22.1746**	**22.7268**	**0.1331**		**1.6971**	**1.6971**		**1.6971**	**1.6971**		**26,573.9407**	**26,573.9407**	**0.5321**	**0.4870**	**26,732.3774**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	909.6882	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Energy	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
Total	**912.1233**	**22.1746**	**22.7268**	**0.1331**		**1.6971**	**1.6971**		**1.6971**	**1.6971**		**26,573.9407**	**26,573.9407**	**0.5321**	**0.4870**	**26,732.3774**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Plot 11 (2030) Mass Excavation	Grading	1/1/2030	12/30/2030	5	260	11
2	Plot 11 (2030) Finish Grading	Grading	1/1/2030	12/30/2030	5	260	12
3	Plot 11 (2030) Utilities	Trenching	1/1/2030	12/30/2030	5	260	13
4	Plot 11 (2030) Building-Concrete	Building Construction	1/1/2030	12/30/2030	5	260	14
5	Plot 11 (2030) Building-Wet Utilities	Building Construction	1/1/2030	12/30/2030	5	260	15
6	Plot 11 (2030) Building-Electrical	Building Construction	1/1/2030	12/30/2030	5	260	16
7	Plot 11 (2030) Building-Landscaping	Building Construction	1/1/2030	12/30/2030	5	260	17
8	Plot 11 (2030) Landscaping	Building Construction	1/1/2030	12/30/2030	5	260	18
9	Plot 11 (2030) Temporary Utilities	Building Construction	1/1/2030	12/30/2030	5	260	19
10	Plot 11 (2030) Curbing/Drive Approaches	Paving	1/1/2030	12/30/2030	5	260	20
11	Plot 11 (2030) Paving	Paving	1/1/2030	12/30/2030	5	260	21
12	Plot 11 (2031) Mass Excavation	Grading	1/1/2031	12/30/2031	5	260	22
13	Plot 11 (2031) Finish Grading	Grading	1/1/2031	12/30/2031	5	260	23
14	Plot 11 (2031) Utilities	Trenching	1/1/2031	12/30/2031	5	260	24
15	Plot 11 (2031) Building-Concrete	Building Construction	1/1/2031	12/30/2031	5	260	25
16	Plot 11 (2031) Building-Wet Utilities	Building Construction	1/1/2031	12/30/2031	5	260	26
17	Plot 11 (2031) Building-Electrical	Building Construction	1/1/2031	12/30/2031	5	260	27
18	Plot 11 (2031) Building-Landscaping	Building Construction	1/1/2031	12/30/2031	5	260	28
19	Plot 11 (2031) Landscaping	Building Construction	1/1/2031	12/30/2031	5	260	29
20	Plot 11 (2031) Temporary Utilities	Building Construction	1/1/2031	12/30/2031	5	260	30
21	Plot 11 (2031) Curbing/Drive Approaches	Paving	1/1/2031	12/30/2031	5	260	31
22	Plot 11 (2031) Paving	Paving	1/1/2031	12/30/2031	5	260	32
23	Plots 11 and 12 (2032) Mass Excavation	Grading	1/1/2032	12/29/2032	5	260	33

24	Plots 11 and 12 (2032) Finish Grading	Grading	1/1/2032	12/29/2032	5	260	34
25	Plots 11 and 12 (2032) Utilities	Trenching	1/1/2032	12/29/2032	5	260	35
26	Plots 11 and 12 (2032) Building-Concrete	Building Construction	1/1/2032	12/29/2032	5	260	36
27	Plots 11 and 12 (2032) Building-Wet Utilities	Building Construction	1/1/2032	12/29/2032	5	260	37
28	Plots 11 and 12 (2032) Building-Electrical	Building Construction	1/1/2032	12/29/2032	5	260	38
29	Plots 11 and 12 (2032) Building-Landscaping	Building Construction	1/1/2032	12/29/2032	5	260	39
30	Plots 11 and 12 (2032) Landscaping	Building Construction	1/1/2032	12/29/2032	5	260	40
31	Plots 11 and 12 (2032) Temporary Utilities	Building Construction	1/1/2032	12/29/2032	5	260	41
32	Plots 11 and 12 (2032) Curbing/Drive Approaches	Paving	1/1/2032	12/29/2032	5	260	42
33	Plots 11 and 12 (2032) Paving	Paving	1/1/2032	12/29/2032	5	260	43
34	Plot 12 (2033) Finish Grading	Grading	1/1/2033	12/30/2033	5	260	45
35	Plot 12 (2033) Utilities	Trenching	1/1/2033	12/30/2033	5	260	46
36	Plot 12 (2033) Building-Concrete	Building Construction	1/1/2033	12/30/2033	5	260	47
37	Plot 12 (2033) Building-Wet Utilities	Building Construction	1/1/2033	12/30/2033	5	260	48
38	Plot 12 (2033) Building-Electrical	Building Construction	1/1/2033	12/30/2033	5	260	49
39	Plot 12 (2033) Building-Landscaping	Building Construction	1/1/2033	12/30/2033	5	260	50
40	Plot 12 (2033) Landscaping	Building Construction	1/1/2033	12/30/2033	5	260	51
41	Plot 12 (2033) Temporary Utilities	Building Construction	1/1/2033	12/30/2033	5	260	52
42	Plot 12 (2033) Curbing/Drive Approaches	Paving	1/1/2033	12/30/2033	5	260	53
43	Plot 12 (2033) Paving	Paving	1/1/2033	12/30/2033	5	260	54
44	Plots 12 and 21,22 (2034) Finish Grading	Grading	1/1/2034	12/31/2034	5	260	56
45	Plots 12 and 21,22 (2034) Utilities	Trenching	1/1/2034	12/31/2034	5	260	57
46	Plots 12 and 21,22 (2034) Building-Concrete	Building Construction	1/1/2034	12/31/2034	5	260	58
47	Plots 12 and 21,22 (2034) Building-Wet Utilities	Building Construction	1/1/2034	12/31/2034	5	260	59
48	Plots 12 and 21,22 (2034) Building-Electrical	Building Construction	1/1/2034	12/31/2034	5	260	60
49	Plots 12 and 21,22 (2034) Building-Landscaping	Building Construction	1/1/2034	12/29/2034	5	260	61
50	Plots 12 and 21,22 (2034) Landscaping	Building Construction	1/1/2034	12/29/2034	5	260	62
51	Plots 12 and 21,22 (2034) Temporary Utilities	Building Construction	1/1/2034	12/29/2034	5	260	63
52	Plots 12 and 21,22 (2034) Curbing/Drive Approaches	Paving	1/1/2034	12/29/2034	5	260	64
53	Plots 12 and 21,22 (2034) Paving	Paving	1/1/2034	12/29/2034	5	260	65

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 123.6

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Plot 11 (2030) Mass Excavation	Graders	1	10.00	193	0.41
Plot 11 (2030) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plot 11 (2030) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2030) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2030) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 11 (2030) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 11 (2030) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plot 11 (2030) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plot 11 (2030) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plot 11 (2030) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plot 11 (2030) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plot 11 (2030) Mass Excavation	Rubber Tired Dozers	1	10.00	85	0.40
Plot 11 (2030) Mass Excavation	Scrapers	6	10.00	550	0.48
Plot 11 (2030) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2030) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2030) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2030) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plot 11 (2030) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plot 11 (2030) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2030) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 11 (2030) Utilities	Excavators	1	10.00	523	0.38
Plot 11 (2030) Utilities	Excavators	5	10.00	286	0.38
Plot 11 (2030) Utilities	Excavators	1	10.00	190	0.38
Plot 11 (2030) Utilities	Excavators	2	10.00	396	0.38
Plot 11 (2030) Utilities	Excavators	1	10.00	190	0.38

Plot 11 (2030) Utilities	Excavators	1	10.00	188	0.38
Plot 11 (2030) Utilities	Excavators	4	10.00	40	0.38
Plot 11 (2030) Utilities	Forklifts	2	10.00	89	0.20
Plot 11 (2030) Utilities	Other Material Handling Equipment	4	1.00	167	0.40
Plot 11 (2030) Utilities	Other Material Handling Equipment	10	1.00	167	0.40
Plot 11 (2030) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2030) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2030) Building-Concrete	Cement and Mortar Mixers	10	1.00	9	0.56
Plot 11 (2030) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2030) Building-Concrete	Pumps	1	10.00	84	0.74
Plot 11 (2030) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2030) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plot 11 (2030) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plot 11 (2030) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plot 11 (2030) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 11 (2030) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plot 11 (2030) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plot 11 (2030) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 11 (2030) Building-Electrical	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 11 (2030) Building-Electrical	Excavators	4	10.00	40	0.38
Plot 11 (2030) Building-Electrical	Forklifts	2	10.00	89	0.20
Plot 11 (2030) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2030) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2030) Building-Landscaping	Excavators	1	10.00	29	0.38
Plot 11 (2030) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plot 11 (2030) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 11 (2030) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 11 (2030) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 11 (2030) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 11 (2030) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 11 (2030) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 11 (2030) Building-Landscaping	Trenchers	1	10.00	39	0.50

Plot 11 (2030) Landscaping	Excavators	1	10.00	29	0.38
Plot 11 (2030) Landscaping	Forklifts	1	10.00	125	0.20
Plot 11 (2030) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2030) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plot 11 (2030) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 11 (2030) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 11 (2030) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 11 (2030) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 11 (2030) Landscaping	Trenchers	1	10.00	39	0.50
Plot 11 (2030) Temporary Utilities	Cranes	1	10.00	445	0.29
Plot 11 (2030) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plot 11 (2030) Curbing/Drive Approaches	Other Material Handling Equipment	2	1.00	167	0.40
Plot 11 (2030) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2030) Paving	Pavers	1	10.00	126	0.42
Plot 11 (2030) Paving	Paving Equipment	1	10.00	131	0.36
Plot 11 (2030) Paving	Plate Compactors	1	10.00	8	0.43
Plot 11 (2030) Paving	Rollers	1	10.00	81	0.38
Plot 11 (2030) Paving	Scrapers	1	10.00	362	0.48
Plot 11 (2030) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37
Plot 11 (2031) Mass Excavation	Graders	1	10.00	193	0.41
Plot 11 (2031) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plot 11 (2031) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2031) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2031) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 11 (2031) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 11 (2031) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plot 11 (2031) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plot 11 (2031) Mass Excavation	Rubber Tired Dozers	1	10.00	85	0.40
Plot 11 (2031) Mass Excavation	Scrapers	6	10.00	550	0.48
Plot 11 (2031) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2031) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2031) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40

Plot 11 (2031) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plot 11 (2031) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plot 11 (2031) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2031) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 11 (2031) Utilities	Excavators	1	10.00	523	0.38
Plot 11 (2031) Utilities	Excavators	5	10.00	286	0.38
Plot 11 (2031) Utilities	Excavators	1	10.00	190	0.38
Plot 11 (2031) Utilities	Excavators	2	10.00	396	0.38
Plot 11 (2031) Utilities	Excavators	1	10.00	190	0.38
Plot 11 (2031) Utilities	Excavators	1	10.00	188	0.38
Plot 11 (2031) Utilities	Excavators	4	10.00	40	0.38
Plot 11 (2031) Utilities	Forklifts	2	10.00	89	0.20
Plot 11 (2031) Utilities	Other Material Handling Equipment	4	1.00	167	0.40
Plot 11 (2031) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 11 (2031) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2031) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2031) Building-Concrete	Cement and Mortar Mixers	10	1.00	9	0.56
Plot 11 (2031) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2031) Building-Concrete	Pumps	1	10.00	84	0.74
Plot 11 (2031) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2031) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plot 11 (2031) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plot 11 (2031) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plot 11 (2031) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 11 (2031) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plot 11 (2031) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plot 11 (2031) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 11 (2031) Building-Electrical	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 11 (2031) Building-Electrical	Excavators	4	10.00	40	0.38
Plot 11 (2031) Building-Electrical	Forklifts	2	10.00	89	0.20
Plot 11 (2031) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2031) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37

Plot 11 (2031) Building-Landscaping	Excavators	1	10.00	29	0.38
Plot 11 (2031) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plot 11 (2031) Building-Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2031) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 11 (2031) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 11 (2031) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 11 (2031) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 11 (2031) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 11 (2031) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plot 11 (2031) Landscaping	Excavators	1	10.00	29	0.38
Plot 11 (2031) Landscaping	Forklifts	1	10.00	125	0.20
Plot 11 (2031) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2031) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plot 11 (2031) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 11 (2031) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 11 (2031) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 11 (2031) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 11 (2031) Landscaping	Trenchers	1	10.00	39	0.50
Plot 11 (2031) Temporary Utilities	Cranes	1	10.00	445	0.29
Plot 11 (2031) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plot 11 (2031) Curbing/Drive Approaches	Other Material Handling Equipment	2	1.00	167	0.40
Plot 11 (2031) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plot 11 (2031) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plot 11 (2031) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plot 11 (2031) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2031) Paving	Pavers	1	10.00	126	0.42
Plot 11 (2031) Paving	Paving Equipment	1	10.00	131	0.36
Plot 11 (2031) Paving	Plate Compactors	1	10.00	8	0.43
Plot 11 (2031) Paving	Rollers	1	10.00	81	0.38
Plot 11 (2031) Paving	Scrapers	1	10.00	362	0.48
Plot 11 (2031) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37
Plots 11 and 12 (2032) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40

Plots 11 and 12 (2032) Mass Excavation	Rubber Tired Dozers	1	10.00	85	0.40
Plots 11 and 12 (2032) Mass Excavation	Scrapers	6	10.00	550	0.48
Plots 11 and 12 (2032) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 12 (2032) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 12 (2032) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plots 11 and 12 (2032) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plots 11 and 12 (2032) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 11 and 12 (2032) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plots 11 and 12 (2032) Utilities	Excavators	1	10.00	523	0.38
Plots 11 and 12 (2032) Utilities	Excavators	5	10.00	286	0.38
Plots 11 and 12 (2032) Utilities	Excavators	1	10.00	190	0.38
Plots 11 and 12 (2032) Utilities	Excavators	2	10.00	396	0.38
Plots 11 and 12 (2032) Utilities	Excavators	1	10.00	190	0.38
Plots 11 and 12 (2032) Utilities	Excavators	1	10.00	188	0.38
Plots 11 and 12 (2032) Utilities	Excavators	4	10.00	40	0.38
Plots 11 and 12 (2032) Utilities	Forklifts	2	10.00	89	0.20
Plots 11 and 12 (2032) Utilities	Other Material Handling Equipment	2	1.00	167	0.40
Plots 11 and 12 (2032) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 11 and 12 (2032) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 11 and 12 (2032) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 11 and 12 (2032) Building-Concrete	Cement and Mortar Mixers	10	1.00	9	0.56
Plots 11 and 12 (2032) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 12 (2032) Building-Concrete	Pumps	1	10.00	84	0.74
Plots 11 and 12 (2032) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 11 and 12 (2032) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plots 11 and 12 (2032) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plots 11 and 12 (2032) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plots 11 and 12 (2032) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 11 and 12 (2032) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plots 11 and 12 (2032) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plots 11 and 12 (2032) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 11 and 12 (2032) Building-Electrical	Cement and Mortar Mixers	4	1.00	9	0.56

Plots 11 and 12 (2032) Building-Electrical	Excavators	4	10.00	40	0.38
Plots 11 and 12 (2032) Building-Electrical	Forklifts	2	10.00	89	0.20
Plots 11 and 12 (2032) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plots 11 and 12 (2032) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 11 and 12 (2032) Building-Landscaping	Excavators	1	10.00	29	0.38
Plots 11 and 12 (2032) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plots 11 and 12 (2032) Building-Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 12 (2032) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 11 and 12 (2032) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 11 and 12 (2032) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 11 and 12 (2032) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 11 and 12 (2032) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 11 and 12 (2032) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plots 11 and 12 (2032) Landscaping	Excavators	1	10.00	29	0.38
Plots 11 and 12 (2032) Landscaping	Forklifts	1	10.00	125	0.20
Plots 11 and 12 (2032) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 12 (2032) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plots 11 and 12 (2032) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 11 and 12 (2032) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 11 and 12 (2032) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 11 and 12 (2032) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 11 and 12 (2032) Landscaping	Trenchers	1	10.00	39	0.50
Plots 11 and 12 (2032) Temporary Utilities	Cranes	1	10.00	445	0.29
Plots 11 and 12 (2032) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plots 11 and 12 (2032) Curbing/Drive Approaches	Other Material Handling Equipment	2	1.00	167	0.40
Plots 11 and 12 (2032) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plots 11 and 12 (2032) Paving	Pavers	1	10.00	126	0.42
Plots 11 and 12 (2032) Paving	Paving Equipment	1	10.00	131	0.36
Plots 11 and 12 (2032) Paving	Plate Compactors	1	10.00	8	0.43
Plots 11 and 12 (2032) Paving	Rollers	1	10.00	81	0.38
Plots 11 and 12 (2032) Paving	Scrapers	1	10.00	362	0.48
Plots 11 and 12 (2032) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37

Plot 12 (2033) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 12 (2033) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 12 (2033) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plot 12 (2033) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plot 12 (2033) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 12 (2033) Utilities	Excavators	1	10.00	523	0.38
Plot 12 (2033) Utilities	Excavators	5	10.00	286	0.38
Plot 12 (2033) Utilities	Excavators	1	10.00	190	0.38
Plot 12 (2033) Utilities	Excavators	2	10.00	396	0.38
Plot 12 (2033) Utilities	Excavators	1	10.00	190	0.38
Plot 12 (2033) Utilities	Excavators	1	10.00	188	0.38
Plot 12 (2033) Utilities	Excavators	4	10.00	40	0.38
Plot 12 (2033) Utilities	Forklifts	2	10.00	89	0.20
Plot 12 (2033) Utilities	Other Material Handling Equipment	2	1.00	167	0.40
Plot 12 (2033) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 12 (2033) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 12 (2033) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 12 (2033) Building-Concrete	Cement and Mortar Mixers	10	1.00	9	0.56
Plot 12 (2033) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plot 12 (2033) Building-Concrete	Pumps	1	10.00	84	0.74
Plot 12 (2033) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 12 (2033) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plot 12 (2033) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plot 12 (2033) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plot 12 (2033) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 12 (2033) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plot 12 (2033) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plot 12 (2033) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 12 (2033) Building-Electrical	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 12 (2033) Building-Electrical	Excavators	4	10.00	40	0.38
Plot 12 (2033) Building-Electrical	Forklifts	2	10.00	89	0.20
Plot 12 (2033) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40

Plot 12 (2033) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 12 (2033) Building-Landscaping	Excavators	1	10.00	29	0.38
Plot 12 (2033) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plot 12 (2033) Building-Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plot 12 (2033) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 12 (2033) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 12 (2033) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 12 (2033) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 12 (2033) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 12 (2033) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plot 12 (2033) Landscaping	Excavators	1	10.00	29	0.38
Plot 12 (2033) Landscaping	Forklifts	1	10.00	125	0.20
Plot 12 (2033) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plot 12 (2033) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plot 12 (2033) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 12 (2033) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 12 (2033) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 12 (2033) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 12 (2033) Landscaping	Trenchers	1	10.00	39	0.50
Plot 12 (2033) Temporary Utilities	Cranes	1	10.00	445	0.29
Plot 12 (2033) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plot 12 (2033) Curbing/Drive Approaches	Other Material Handling Equipment	2	1.00	167	0.40
Plot 12 (2033) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plot 12 (2033) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plot 12 (2033) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plot 12 (2033) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plot 12 (2033) Paving	Pavers	1	10.00	126	0.42
Plot 12 (2033) Paving	Paving Equipment	1	10.00	131	0.36
Plot 12 (2033) Paving	Plate Compactors	1	10.00	8	0.43
Plot 12 (2033) Paving	Rollers	1	10.00	81	0.38
Plot 12 (2033) Paving	Scrapers	1	10.00	362	0.48
Plot 12 (2033) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37

Plots 12 and 21,22 (2034) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 12 and 21,22 (2034) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 12 and 21,22 (2034) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plots 12 and 21,22 (2034) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plots 12 and 21,22 (2034) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 12 and 21,22 (2034) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plots 12 and 21,22 (2034) Utilities	Excavators	1	10.00	523	0.38
Plots 12 and 21,22 (2034) Utilities	Excavators	5	10.00	286	0.38
Plots 12 and 21,22 (2034) Utilities	Excavators	1	10.00	190	0.38
Plots 12 and 21,22 (2034) Utilities	Excavators	2	10.00	396	0.38
Plots 12 and 21,22 (2034) Utilities	Excavators	1	10.00	190	0.38
Plots 12 and 21,22 (2034) Utilities	Excavators	1	10.00	188	0.38
Plots 12 and 21,22 (2034) Utilities	Excavators	4	10.00	40	0.38
Plots 12 and 21,22 (2034) Utilities	Forklifts	2	10.00	89	0.20
Plots 12 and 21,22 (2034) Utilities	Other Material Handling Equipment	1	1.00	167	0.40
Plots 12 and 21,22 (2034) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 12 and 21,22 (2034) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 12 and 21,22 (2034) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 12 and 21,22 (2034) Building-Concrete	Cement and Mortar Mixers	5	1.00	9	0.56
Plots 12 and 21,22 (2034) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plots 12 and 21,22 (2034) Building-Concrete	Pumps	1	10.00	84	0.74
Plots 12 and 21,22 (2034) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 12 and 21,22 (2034) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plots 12 and 21,22 (2034) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plots 12 and 21,22 (2034) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plots 12 and 21,22 (2034) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 12 and 21,22 (2034) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plots 12 and 21,22 (2034) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plots 12 and 21,22 (2034) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 12 and 21,22 (2034) Building-Electrical	Cement and Mortar Mixers	4	1.00	9	0.56
Plots 12 and 21,22 (2034) Building-Electrical	Excavators	4	10.00	40	0.38
Plots 12 and 21,22 (2034) Building-Electrical	Forklifts	2	10.00	89	0.20

Plots 12 and 21,22 (2034) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plots 12 and 21,22 (2034) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 12 and 21,22 (2034) Building-Landscaping	Excavators	1	10.00	29	0.38
Plots 12 and 21,22 (2034) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plots 12 and 21,22 (2034) Building-Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plots 12 and 21,22 (2034) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 12 and 21,22 (2034) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 12 and 21,22 (2034) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 12 and 21,22 (2034) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 12 and 21,22 (2034) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 12 and 21,22 (2034) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plots 12 and 21,22 (2034) Landscaping	Excavators	1	10.00	29	0.38
Plots 12 and 21,22 (2034) Landscaping	Forklifts	1	10.00	125	0.20
Plots 12 and 21,22 (2034) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plots 12 and 21,22 (2034) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plots 12 and 21,22 (2034) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 12 and 21,22 (2034) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 12 and 21,22 (2034) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 12 and 21,22 (2034) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 12 and 21,22 (2034) Landscaping	Trenchers	1	10.00	39	0.50
Plots 12 and 21,22 (2034) Temporary Utilities	Cranes	1	10.00	445	0.29
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plots 12 and 21,22 (2034) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plots 12 and 21,22 (2034) Paving	Pavers	1	10.00	126	0.42
Plots 12 and 21,22 (2034) Paving	Paving Equipment	1	10.00	131	0.36
Plots 12 and 21,22 (2034) Paving	Plate Compactors	1	10.00	8	0.43
Plots 12 and 21,22 (2034) Paving	Rollers	1	10.00	81	0.38
Plots 12 and 21,22 (2034) Paving	Scrapers	1	10.00	362	0.48
Plots 12 and 21,22 (2034) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Plot 11 (2030) Mass Excavation - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					46.2932	0.0000	46.2932	14.9735	0.0000	14.9735			0.0000			0.0000
Off-Road	20.8223	95.5771	99.4481	0.3706		3.6226	3.6226		3.6226	3.6226		41,604.0454	41,604.0454	1.8577		41,650.4868
Total	**20.8223**	**95.5771**	**99.4481**	**0.3706**	**46.2932**	**3.6226**	**49.9157**	**14.9735**	**3.6226**	**18.5961**		**41,604.0454**	**41,604.0454**	**1.8577**		**41,650.4868**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0543	0.0000	18.0543	5.8397	0.0000	5.8397			0.0000			0.0000
Off-Road	4.9152	19.6976	161.6023	0.3706		0.6158	0.6158		0.6158	0.6158	0.0000	41,604.0454	41,604.0454	1.8577		41,650.4868
Total	**4.9152**	**19.6976**	**161.6023**	**0.3706**	**18.0543**	**0.6158**	**18.6702**	**5.8397**	**0.6158**	**6.4555**	**0.0000**	**41,604.0454**	**41,604.0454**	**1.8577**		**41,650.4868**

3.3 Plot 11 (2030) Finish Grading - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.4576	0.0000	8.4576	4.2382	0.0000	4.2382			0.0000			0.0000
Off-Road	0.7448	3.8257	7.8691	0.0133		0.1661	0.1661		0.1661	0.1661		1,263.0332	1,263.0332	0.0655		1,264.6694
Total	**0.7448**	**3.8257**	**7.8691**	**0.0133**	**8.4576**	**0.1661**	**8.6237**	**4.2382**	**0.1661**	**4.4043**		**1,263.0332**	**1,263.0332**	**0.0655**		**1,264.6694**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2985	0.0000	3.2985	1.6529	0.0000	1.6529			0.0000			0.0000
Off-Road	0.1334	0.5778	8.2232	0.0133		0.0178	0.0178		0.0178	0.0178	0.0000	1,263.0332	1,263.0332	0.0655		1,264.6694
Total	**0.1334**	**0.5778**	**8.2232**	**0.0133**	**3.2985**	**0.0178**	**3.3162**	**1.6529**	**0.0178**	**1.6707**	**0.0000**	**1,263.0332**	**1,263.0332**	**0.0655**		**1,264.6694**

3.4 Plot 11 (2030) Utilities - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	8.1106	25.2928	61.0578	0.1921		0.6853	0.6853		0.6853	0.6853		20,240.6802	20,240.6802	0.7205		20,258.6928

Total	**8.1106**	**25.2928**	**61.0578**	**0.1921**		**0.6853**	**0.6853**		**0.6853**	**0.6853**		**20,240.6802**	**20,240.6802**	**0.7205**		**20,258.6928**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2441	12.7704	90.6737	0.1921		0.2917	0.2917		0.2917	0.2917	0.0000	20,240.6802	20,240.6802	0.7205		20,258.6928
Total	**2.2441**	**12.7704**	**90.6737**	**0.1921**		**0.2917**	**0.2917**		**0.2917**	**0.2917**	**0.0000**	**20,240.6802**	**20,240.6802**	**0.7205**		**20,258.6928**

3.5 Plot 11 (2030) Building-Concrete - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1691	7.6010	16.3715	0.0276		0.1594	0.1594		0.1594	0.1594		2,594.4739	2,594.4739	0.1031		2,597.0521
Total	**1.1691**	**7.6010**	**16.3715**	**0.0276**		**0.1594**	**0.1594**		**0.1594**	**0.1594**		**2,594.4739**	**2,594.4739**	**0.1031**		**2,597.0521**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3407	1.6183	16.8661	0.0276		0.0535	0.0535		0.0535	0.0535	0.0000	2,594.4739	2,594.4739	0.1031		2,597.0521
Total	**0.3407**	**1.6183**	**16.8661**	**0.0276**		**0.0535**	**0.0535**		**0.0535**	**0.0535**	**0.0000**	**2,594.4739**	**2,594.4739**	**0.1031**		**2,597.0521**

3.6 Plot 11 (2030) Building-Wet Utilities - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3157	12.6733	40.1765	0.0832		0.3817	0.3817		0.3817	0.3817		8,120.4478	8,120.4478	0.2913		8,127.7289
Total	**3.3157**	**12.6733**	**40.1765**	**0.0832**		**0.3817**	**0.3817**		**0.3817**	**0.3817**		**8,120.4478**	**8,120.4478**	**0.2913**		**8,127.7289**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8573	3.7152	46.8502	0.0832		0.1143	0.1143		0.1143	0.1143	0.0000	8,120.4477	8,120.4477	0.2913		8,127.7289
Total	**0.8573**	**3.7152**	**46.8502**	**0.0832**		**0.1143**	**0.1143**		**0.1143**	**0.1143**	**0.0000**	**8,120.4477**	**8,120.4477**	**0.2913**		**8,127.7289**

3.7 Plot 11 (2030) Building-Electrical - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9544	11.0043	22.6081	0.0347		0.1750	0.1750		0.1750	0.1750		3,152.9599	3,152.9599	0.1735		3,157.2973
Total	**1.9544**	**11.0043**	**22.6081**	**0.0347**		**0.1750**	**0.1750**		**0.1750**	**0.1750**		**3,152.9599**	**3,152.9599**	**0.1735**		**3,157.2973**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4400	4.9527	21.0537	0.0347		0.0512	0.0512		0.0512	0.0512	0.0000	3,152.9599	3,152.9599	0.1735		3,157.2973
Total	**0.4400**	**4.9527**	**21.0537**	**0.0347**		**0.0512**	**0.0512**		**0.0512**	**0.0512**	**0.0000**	**3,152.9599**	**3,152.9599**	**0.1735**		**3,157.2973**

3.8 Plot 11 (2030) Building-Landscaping - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.4812	6.8278	17.8202	0.0294		0.1850	0.1850		0.1850	0.1850		2,722.2682	2,722.2682	0.1308		2,725.5385
Total	**1.4812**	**6.8278**	**17.8202**	**0.0294**		**0.1850**	**0.1850**		**0.1850**	**0.1850**		**2,722.2682**	**2,722.2682**	**0.1308**		**2,725.5385**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7115	6.2599	18.4692	0.0294		0.0968	0.0968		0.0968	0.0968	0.0000	2,722.2682	2,722.2682	0.1308		2,725.5385
Total	**0.7115**	**6.2599**	**18.4692**	**0.0294**		**0.0968**	**0.0968**		**0.0968**	**0.0968**	**0.0000**	**2,722.2682**	**2,722.2682**	**0.1308**		**2,725.5385**

3.9 Plot 11 (2030) Landscaping - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5460	7.0163	18.8043	0.0312		0.1932	0.1932		0.1932	0.1932		2,889.6536	2,889.6536	0.1364		2,893.0638
Total	**1.5460**	**7.0163**	**18.8043**	**0.0312**		**0.1932**	**0.1932**		**0.1932**	**0.1932**		**2,889.6536**	**2,889.6536**	**0.1364**		**2,893.0638**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7292	6.3365	19.5590	0.0312		0.0991	0.0991		0.0991	0.0991	0.0000	2,889.6536	2,889.6536	0.1364		2,893.0638
Total	**0.7292**	**6.3365**	**19.5590**	**0.0312**		**0.0991**	**0.0991**		**0.0991**	**0.0991**	**0.0000**	**2,889.6536**	**2,889.6536**	**0.1364**		**2,893.0638**

3.10 Plot 11 (2030) Temporary Utilities - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6316	1.9830	3.1011	0.0142		0.0654	0.0654		0.0654	0.0654		1,616.8479	1,616.8479	0.0569		1,618.2704
Total	**0.6316**	**1.9830**	**3.1011**	**0.0142**		**0.0654**	**0.0654**		**0.0654**	**0.0654**		**1,616.8479**	**1,616.8479**	**0.0569**		**1,618.2704**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1707	0.7397	6.2591	0.0142		0.0228	0.0228		0.0228	0.0228	0.0000	1,616.8479	1,616.8479	0.0569		1,618.2704

Total	**0.1707**	**0.7397**	**6.2591**	**0.0142**		**0.0228**	**0.0228**		**0.0228**	**0.0228**	**0.0000**	**1,616.8479**	**1,616.8479**	**0.0569**		**1,618.2704**

3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0868	0.3266	1.0997	2.0300e-003		0.0136	0.0136		0.0136	0.0136		186.3290	186.3290	7.5600e-003		186.5181
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3323**	**0.3266**	**1.0997**	**2.0300e-003**		**0.0136**	**0.0136**		**0.0136**	**0.0136**		**186.3290**	**186.3290**	**7.5600e-003**		**186.5181**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0397	0.2147	1.2054	2.0300e-003		7.7200e-003	7.7200e-003		7.7200e-003	7.7200e-003	0.0000	186.3290	186.3290	7.5600e-003		186.5181
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2852**	**0.2147**	**1.2054**	**2.0300e-003**		**7.7200e-003**	**7.7200e-003**		**7.7200e-003**	**7.7200e-003**	**0.0000**	**186.3290**	**186.3290**	**7.5600e-003**		**186.5181**

3.12 Plot 11 (2030) Paving - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3933	11.4334	21.5018	0.0485		0.4258	0.4258		0.4258	0.4258		4,945.1364	4,945.1364	0.2131		4,950.4632
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.6388**	**11.4334**	**21.5018**	**0.0485**		**0.4258**	**0.4258**		**0.4258**	**0.4258**		**4,945.1364**	**4,945.1364**	**0.2131**		**4,950.4632**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5176	2.2427	26.1694	0.0485		0.0690	0.0690		0.0690	0.0690	0.0000	4,945.1364	4,945.1364	0.2131		4,950.4632
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7631**	**2.2427**	**26.1694**	**0.0485**		**0.0690**	**0.0690**		**0.0690**	**0.0690**	**0.0000**	**4,945.1364**	**4,945.1364**	**0.2131**		**4,950.4632**

3.13 Plot 11 (2031) Mass Excavation - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					31.2380	0.0000	31.2380	6.6980	0.0000	6.6980			0.0000			0.0000
Off-Road	11.8857	48.9304	60.6543	0.2322		1.8504	1.8504		1.8504	1.8504		25,867.8120	25,867.8120	1.0546		25,894.1780
Total	**11.8857**	**48.9304**	**60.6543**	**0.2322**	**31.2380**	**1.8504**	**33.0884**	**6.6980**	**1.8504**	**8.5484**		**25,867.8120**	**25,867.8120**	**1.0546**		**25,894.1780**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.1828	0.0000	12.1828	2.6122	0.0000	2.6122			0.0000			0.0000
Off-Road	3.2538	12.4982	100.6841	0.2322		0.3943	0.3943		0.3943	0.3943	0.0000	25,867.8119	25,867.8119	1.0546		25,894.1780
Total	**3.2538**	**12.4982**	**100.6841**	**0.2322**	**12.1828**	**0.3943**	**12.5771**	**2.6122**	**0.3943**	**3.0065**	**0.0000**	**25,867.8119**	**25,867.8119**	**1.0546**		**25,894.1780**

3.14 Plot 11 (2031) Finish Grading - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.4576	0.0000	8.4576	4.2382	0.0000	4.2382			0.0000			0.0000
Off-Road	0.7448	3.8257	7.8691	0.0133		0.1661	0.1661		0.1661	0.1661		1,263.0332	1,263.0332	0.0655		1,264.6694
Total	**0.7448**	**3.8257**	**7.8691**	**0.0133**	**8.4576**	**0.1661**	**8.6237**	**4.2382**	**0.1661**	**4.4043**		**1,263.0332**	**1,263.0332**	**0.0655**		**1,264.6694**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					3.2985	0.0000	3.2985	1.6529	0.0000	1.6529			0.0000			0.0000
Off-Road	0.1334	0.5778	8.2232	0.0133		0.0178	0.0178		0.0178	0.0178	0.0000	1,263.0332	1,263.0332	0.0655		1,264.6694
Total	**0.1334**	**0.5778**	**8.2232**	**0.0133**	**3.2985**	**0.0178**	**3.3162**	**1.6529**	**0.0178**	**1.6707**	**0.0000**	**1,263.0332**	**1,263.0332**	**0.0655**		**1,264.6694**

3.15 Plot 11 (2031) Utilities - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	8.0458	25.1043	60.0737	0.1904		0.6770	0.6770		0.6770	0.6770		20,073.2948	20,073.2948	0.7149		20,091.1675
Total	**8.0458**	**25.1043**	**60.0737**	**0.1904**		**0.6770**	**0.6770**		**0.6770**	**0.6770**		**20,073.2948**	**20,073.2948**	**0.7149**		**20,091.1675**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2264	12.6938	89.5839	0.1904		0.2894	0.2894		0.2894	0.2894	0.0000	20,073.2948	20,073.2948	0.7149		20,091.1675
Total	**2.2264**	**12.6938**	**89.5839**	**0.1904**		**0.2894**	**0.2894**		**0.2894**	**0.2894**	**0.0000**	**20,073.2948**	**20,073.2948**	**0.7149**		**20,091.1675**

3.16 Plot 11 (2031) Building-Concrete - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1691	7.6010	16.3715	0.0276		0.1594	0.1594		0.1594	0.1594		2,594.4739	2,594.4739	0.1031		2,597.0521
Total	**1.1691**	**7.6010**	**16.3715**	**0.0276**		**0.1594**	**0.1594**		**0.1594**	**0.1594**		**2,594.4739**	**2,594.4739**	**0.1031**		**2,597.0521**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3407	1.6183	16.8661	0.0276		0.0535	0.0535		0.0535	0.0535	0.0000	2,594.4739	2,594.4739	0.1031		2,597.0521
Total	**0.3407**	**1.6183**	**16.8661**	**0.0276**		**0.0535**	**0.0535**		**0.0535**	**0.0535**	**0.0000**	**2,594.4739**	**2,594.4739**	**0.1031**		**2,597.0521**

3.17 Plot 11 (2031) Building-Wet Utilities - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3157	12.6733	40.1765	0.0832		0.3817	0.3817		0.3817	0.3817		8,120.4478	8,120.4478	0.2913		8,127.7289

Total	**3.3157**	**12.6733**	**40.1765**	**0.0832**		**0.3817**	**0.3817**		**0.3817**	**0.3817**		**8,120.4478**	**8,120.4478**	**0.2913**		**8,127.7289**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8573	3.7152	46.8502	0.0832		0.1143	0.1143		0.1143	0.1143	0.0000	8,120.4477	8,120.4477	0.2913		8,127.7289
Total	**0.8573**	**3.7152**	**46.8502**	**0.0832**		**0.1143**	**0.1143**		**0.1143**	**0.1143**	**0.0000**	**8,120.4477**	**8,120.4477**	**0.2913**		**8,127.7289**

3.18 Plot 11 (2031) Building-Electrical - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9544	11.0043	22.6081	0.0347		0.1750	0.1750		0.1750	0.1750		3,152.9599	3,152.9599	0.1735		3,157.2973
Total	**1.9544**	**11.0043**	**22.6081**	**0.0347**		**0.1750**	**0.1750**		**0.1750**	**0.1750**		**3,152.9599**	**3,152.9599**	**0.1735**		**3,157.2973**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4400	4.9527	21.0537	0.0347		0.0512	0.0512		0.0512	0.0512	0.0000	3,152.9599	3,152.9599	0.1735		3,157.2973
Total	**0.4400**	**4.9527**	**21.0537**	**0.0347**		**0.0512**	**0.0512**		**0.0512**	**0.0512**	**0.0000**	**3,152.9599**	**3,152.9599**	**0.1735**		**3,157.2973**

3.19 Plot 11 (2031) Building-Landscaping - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4488	6.7336	17.3282	0.0285		0.1809	0.1809		0.1809	0.1809		2,638.5755	2,638.5755	0.1280		2,641.7758
Total	**1.4488**	**6.7336**	**17.3282**	**0.0285**		**0.1809**	**0.1809**		**0.1809**	**0.1809**		**2,638.5755**	**2,638.5755**	**0.1280**		**2,641.7758**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7027	6.2216	17.9243	0.0285		0.0956	0.0956		0.0956	0.0956	0.0000	2,638.5755	2,638.5755	0.1280		2,641.7758
Total	**0.7027**	**6.2216**	**17.9243**	**0.0285**		**0.0956**	**0.0956**		**0.0956**	**0.0956**	**0.0000**	**2,638.5755**	**2,638.5755**	**0.1280**		**2,641.7758**

3.20 Plot 11 (2031) Landscaping - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5460	7.0163	18.8043	0.0312		0.1932	0.1932		0.1932	0.1932		2,889.6536	2,889.6536	0.1364		2,893.0638
Total	**1.5460**	**7.0163**	**18.8043**	**0.0312**		**0.1932**	**0.1932**		**0.1932**	**0.1932**		**2,889.6536**	**2,889.6536**	**0.1364**		**2,893.0638**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7292	6.3365	19.5590	0.0312		0.0991	0.0991		0.0991	0.0991	0.0000	2,889.6536	2,889.6536	0.1364		2,893.0638
Total	**0.7292**	**6.3365**	**19.5590**	**0.0312**		**0.0991**	**0.0991**		**0.0991**	**0.0991**	**0.0000**	**2,889.6536**	**2,889.6536**	**0.1364**		**2,893.0638**

3.21 Plot 11 (2031) Temporary Utilities - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.6316	1.9830	3.1011	0.0142		0.0654	0.0654		0.0654	0.0654		1,616.8479	1,616.8479	0.0569		1,618.2704
Total	**0.6316**	**1.9830**	**3.1011**	**0.0142**		**0.0654**	**0.0654**		**0.0654**	**0.0654**		**1,616.8479**	**1,616.8479**	**0.0569**		**1,618.2704**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1707	0.7397	6.2591	0.0142		0.0228	0.0228		0.0228	0.0228	0.0000	1,616.8479	1,616.8479	0.0569		1,618.2704
Total	**0.1707**	**0.7397**	**6.2591**	**0.0142**		**0.0228**	**0.0228**		**0.0228**	**0.0228**	**0.0000**	**1,616.8479**	**1,616.8479**	**0.0569**		**1,618.2704**

3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8168	4.3525	9.1645	0.0157		0.1894	0.1894		0.1894	0.1894		1,478.6805	1,478.6805	0.0729		1,480.5021
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0623**	**4.3525**	**9.1645**	**0.0157**		**0.1894**	**0.1894**		**0.1894**	**0.1894**		**1,478.6805**	**1,478.6805**	**0.0729**		**1,480.5021**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2031	1.9185	9.6195	0.0157		0.0259	0.0259		0.0259	0.0259	0.0000	1,478.6805	1,478.6805	0.0729		1,480.5021
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4486**	**1.9185**	**9.6195**	**0.0157**		**0.0259**	**0.0259**		**0.0259**	**0.0259**	**0.0000**	**1,478.6805**	**1,478.6805**	**0.0729**		**1,480.5021**

3.23 Plot 11 (2031) Paving - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3933	11.4334	21.5018	0.0485		0.4258	0.4258		0.4258	0.4258		4,945.1364	4,945.1364	0.2131		4,950.4632
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.6388**	**11.4334**	**21.5018**	**0.0485**		**0.4258**	**0.4258**		**0.4258**	**0.4258**		**4,945.1364**	**4,945.1364**	**0.2131**		**4,950.4632**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5176	2.2427	26.1694	0.0485		0.0690	0.0690		0.0690	0.0690	0.0000	4,945.1364	4,945.1364	0.2131		4,950.4632
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	**1.7631**	**2.2427**	**26.1694**	**0.0485**		**0.0690**	**0.0690**		**0.0690**	**0.0690**	**0.0000**	**4,945.1364**	**4,945.1364**	**0.2131**		**4,950.4632**

3.24 Plots 11 and 12 (2032) Mass Excavation - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.3828	0.0000	19.3828	5.4179	0.0000	5.4179			0.0000			0.0000
Off-Road	9.9107	41.9997	45.1149	0.1881		1.5690	1.5690		1.5690	1.5690		21,374.2152	21,374.2152	0.8812		21,396.2449
Total	**9.9107**	**41.9997**	**45.1149**	**0.1881**	**19.3828**	**1.5690**	**20.9518**	**5.4179**	**1.5690**	**6.9869**		**21,374.2152**	**21,374.2152**	**0.8812**		**21,396.2449**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.5593	0.0000	7.5593	2.1130	0.0000	2.1130			0.0000			0.0000
Off-Road	2.2567	9.7788	82.7439	0.1881		0.3009	0.3009		0.3009	0.3009	0.0000	21,374.2152	21,374.2152	0.8812		21,396.2449
Total	**2.2567**	**9.7788**	**82.7439**	**0.1881**	**7.5593**	**0.3009**	**7.8602**	**2.1130**	**0.3009**	**2.4139**	**0.0000**	**21,374.2152**	**21,374.2152**	**0.8812**		**21,396.2449**

3.25 Plots 11 and 12 (2032) Finish Grading - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Fugitive Dust					8.2577	0.0000	8.2577	4.2166	0.0000	4.2166			0.0000			0.0000
Off-Road	0.7448	3.8257	7.8691	0.0133		0.1661	0.1661		0.1661	0.1661		1,263.0332	1,263.0332	0.0655		1,264.6694
Total	**0.7448**	**3.8257**	**7.8691**	**0.0133**	**8.2577**	**0.1661**	**8.4238**	**4.2166**	**0.1661**	**4.3827**		**1,263.0332**	**1,263.0332**	**0.0655**		**1,264.6694**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2205	0.0000	3.2205	1.6445	0.0000	1.6445			0.0000			0.0000
Off-Road	0.1334	0.5778	8.2232	0.0133		0.0178	0.0178		0.0178	0.0178	0.0000	1,263.0332	1,263.0332	0.0655		1,264.6694
Total	**0.1334**	**0.5778**	**8.2232**	**0.0133**	**3.2205**	**0.0178**	**3.2383**	**1.6445**	**0.0178**	**1.6623**	**0.0000**	**1,263.0332**	**1,263.0332**	**0.0655**		**1,264.6694**

3.26 Plots 11 and 12 (2032) Utilities - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	7.9810	24.9158	59.0897	0.1886		0.6688	0.6688		0.6688	0.6688		19,905.9094	19,905.9094	0.7093		19,923.6422
Total	**7.9810**	**24.9158**	**59.0897**	**0.1886**		**0.6688**	**0.6688**		**0.6688**	**0.6688**		**19,905.9094**	**19,905.9094**	**0.7093**		**19,923.6422**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2088	12.6172	88.4941	0.1886		0.2870	0.2870		0.2870	0.2870	0.0000	19,905.9094	19,905.9094	0.7093		19,923.6422
Total	**2.2088**	**12.6172**	**88.4941**	**0.1886**		**0.2870**	**0.2870**		**0.2870**	**0.2870**	**0.0000**	**19,905.9094**	**19,905.9094**	**0.7093**		**19,923.6422**

3.27 Plots 11 and 12 (2032) Building-Concrete - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1691	7.6010	16.3715	0.0276		0.1594	0.1594		0.1594	0.1594		2,594.4739	2,594.4739	0.1031		2,597.0521
Total	**1.1691**	**7.6010**	**16.3715**	**0.0276**		**0.1594**	**0.1594**		**0.1594**	**0.1594**		**2,594.4739**	**2,594.4739**	**0.1031**		**2,597.0521**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3407	1.6183	16.8661	0.0276		0.0535	0.0535		0.0535	0.0535	0.0000	2,594.4739	2,594.4739	0.1031		2,597.0521

Total	**0.3407**	**1.6183**	**16.8661**	**0.0276**		**0.0535**	**0.0535**		**0.0535**	**0.0535**	**0.0000**	**2,594.4739**	**2,594.4739**	**0.1031**		**2,597.0521**

3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3157	12.6733	40.1765	0.0832		0.3817	0.3817		0.3817	0.3817		8,120.4478	8,120.4478	0.2913		8,127.7289
Total	**3.3157**	**12.6733**	**40.1765**	**0.0832**		**0.3817**	**0.3817**		**0.3817**	**0.3817**		**8,120.4478**	**8,120.4478**	**0.2913**		**8,127.7289**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8573	3.7152	46.8502	0.0832		0.1143	0.1143		0.1143	0.1143	0.0000	8,120.4477	8,120.4477	0.2913		8,127.7289
Total	**0.8573**	**3.7152**	**46.8502**	**0.0832**		**0.1143**	**0.1143**		**0.1143**	**0.1143**	**0.0000**	**8,120.4477**	**8,120.4477**	**0.2913**		**8,127.7289**

3.29 Plots 11 and 12 (2032) Building-Electrical - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9544	11.0043	22.6081	0.0347		0.1750	0.1750		0.1750	0.1750		3,152.9599	3,152.9599	0.1735		3,157.2973
Total	**1.9544**	**11.0043**	**22.6081**	**0.0347**		**0.1750**	**0.1750**		**0.1750**	**0.1750**		**3,152.9599**	**3,152.9599**	**0.1735**		**3,157.2973**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4400	4.9527	21.0537	0.0347		0.0512	0.0512		0.0512	0.0512	0.0000	3,152.9599	3,152.9599	0.1735		3,157.2973
Total	**0.4400**	**4.9527**	**21.0537**	**0.0347**		**0.0512**	**0.0512**		**0.0512**	**0.0512**	**0.0000**	**3,152.9599**	**3,152.9599**	**0.1735**		**3,157.2973**

3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4488	6.7336	17.3282	0.0285		0.1809	0.1809		0.1809	0.1809		2,638.5755	2,638.5755	0.1280		2,641.7758
Total	**1.4488**	**6.7336**	**17.3282**	**0.0285**		**0.1809**	**0.1809**		**0.1809**	**0.1809**		**2,638.5755**	**2,638.5755**	**0.1280**		**2,641.7758**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7027	6.2216	17.9243	0.0285		0.0956	0.0956		0.0956	0.0956	0.0000	2,638.5755	2,638.5755	0.1280		2,641.7758
Total	**0.7027**	**6.2216**	**17.9243**	**0.0285**		**0.0956**	**0.0956**		**0.0956**	**0.0956**	**0.0000**	**2,638.5755**	**2,638.5755**	**0.1280**		**2,641.7758**

3.31 Plots 11 and 12 (2032) Landscaping - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5460	7.0163	18.8043	0.0312		0.1932	0.1932		0.1932	0.1932		2,889.6536	2,889.6536	0.1364		2,893.0638
Total	**1.5460**	**7.0163**	**18.8043**	**0.0312**		**0.1932**	**0.1932**		**0.1932**	**0.1932**		**2,889.6536**	**2,889.6536**	**0.1364**		**2,893.0638**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.7292	6.3365	19.5590	0.0312		0.0991	0.0991		0.0991	0.0991	0.0000	2,889.6536	2,889.6536	0.1364		2,893.0638
Total	**0.7292**	**6.3365**	**19.5590**	**0.0312**		**0.0991**	**0.0991**		**0.0991**	**0.0991**	**0.0000**	**2,889.6536**	**2,889.6536**	**0.1364**		**2,893.0638**

3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6316	1.9830	3.1011	0.0142		0.0654	0.0654		0.0654	0.0654		1,616.8479	1,616.8479	0.0569		1,618.2704
Total	**0.6316**	**1.9830**	**3.1011**	**0.0142**		**0.0654**	**0.0654**		**0.0654**	**0.0654**		**1,616.8479**	**1,616.8479**	**0.0569**		**1,618.2704**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1707	0.7397	6.2591	0.0142		0.0228	0.0228		0.0228	0.0228	0.0000	1,616.8479	1,616.8479	0.0569		1,618.2704
Total	**0.1707**	**0.7397**	**6.2591**	**0.0142**		**0.0228**	**0.0228**		**0.0228**	**0.0228**	**0.0000**	**1,616.8479**	**1,616.8479**	**0.0569**		**1,618.2704**

3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0868	0.3266	1.0997	2.0300e-003		0.0136	0.0136		0.0136	0.0136		186.3290	186.3290	7.5600e-003		186.5181
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.3323**	**0.3266**	**1.0997**	**2.0300e-003**		**0.0136**	**0.0136**		**0.0136**	**0.0136**		**186.3290**	**186.3290**	**7.5600e-003**		**186.5181**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0397	0.2147	1.2054	2.0300e-003		7.7200e-003	7.7200e-003		7.7200e-003	7.7200e-003	0.0000	186.3290	186.3290	7.5600e-003		186.5181
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2852**	**0.2147**	**1.2054**	**2.0300e-003**		**7.7200e-003**	**7.7200e-003**		**7.7200e-003**	**7.7200e-003**	**0.0000**	**186.3290**	**186.3290**	**7.5600e-003**		**186.5181**

3.34 Plots 11 and 12 (2032) Paving - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3933	11.4334	21.5018	0.0485		0.4258	0.4258		0.4258	0.4258		4,945.1364	4,945.1364	0.2131		4,950.4632
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	**3.6388**	**11.4334**	**21.5018**	**0.0485**		**0.4258**	**0.4258**		**0.4258**	**0.4258**		**4,945.1364**	**4,945.1364**	**0.2131**		**4,950.4632**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5176	2.2427	26.1694	0.0485		0.0690	0.0690		0.0690	0.0690	0.0000	4,945.1364	4,945.1364	0.2131		4,950.4632
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7631**	**2.2427**	**26.1694**	**0.0485**		**0.0690**	**0.0690**		**0.0690**	**0.0690**	**0.0000**	**4,945.1364**	**4,945.1364**	**0.2131**		**4,950.4632**

3.35 Plot 12 (2033) Finish Grading - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.0579	0.0000	8.0579	4.1950	0.0000	4.1950			0.0000			0.0000
Off-Road	0.5562	2.6997	5.3002	9.1700e-003		0.1453	0.1453		0.1453	0.1453		869.0009	869.0009	0.0488		870.2211
Total	**0.5562**	**2.6997**	**5.3002**	**9.1700e-003**	**8.0579**	**0.1453**	**8.2032**	**4.1950**	**0.1453**	**4.3403**		**869.0009**	**869.0009**	**0.0488**		**870.2211**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Fugitive Dust					3.1426	0.0000	3.1426	1.6361	0.0000	1.6361			0.0000			0.0000
Off-Road	0.0918	0.3976	5.6578	9.1700e-003		0.0122	0.0122		0.0122	0.0122	0.0000	869.0009	869.0009	0.0488		870.2211
Total	**0.0918**	**0.3976**	**5.6578**	**9.1700e-003**	**3.1426**	**0.0122**	**3.1548**	**1.6361**	**0.0122**	**1.6483**	**0.0000**	**869.0009**	**869.0009**	**0.0488**		**870.2211**

3.36 Plot 12 (2033) Utilities - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	7.9810	24.9158	59.0897	0.1886		0.6688	0.6688		0.6688	0.6688		19,905.9094	19,905.9094	0.7093		19,923.6422
Total	**7.9810**	**24.9158**	**59.0897**	**0.1886**		**0.6688**	**0.6688**		**0.6688**	**0.6688**		**19,905.9094**	**19,905.9094**	**0.7093**		**19,923.6422**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2088	12.6172	88.4941	0.1886		0.2870	0.2870		0.2870	0.2870	0.0000	19,905.9094	19,905.9094	0.7093		19,923.6422
Total	**2.2088**	**12.6172**	**88.4941**	**0.1886**		**0.2870**	**0.2870**		**0.2870**	**0.2870**	**0.0000**	**19,905.9094**	**19,905.9094**	**0.7093**		**19,923.6422**

3.37 Plot 12 (2033) Building-Concrete - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1691	7.6010	16.3715	0.0276		0.1594	0.1594		0.1594	0.1594		2,594.4739	2,594.4739	0.1031		2,597.0521
Total	**1.1691**	**7.6010**	**16.3715**	**0.0276**		**0.1594**	**0.1594**		**0.1594**	**0.1594**		**2,594.4739**	**2,594.4739**	**0.1031**		**2,597.0521**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3407	1.6183	16.8661	0.0276		0.0535	0.0535		0.0535	0.0535	0.0000	2,594.4739	2,594.4739	0.1031		2,597.0521
Total	**0.3407**	**1.6183**	**16.8661**	**0.0276**		**0.0535**	**0.0535**		**0.0535**	**0.0535**	**0.0000**	**2,594.4739**	**2,594.4739**	**0.1031**		**2,597.0521**

3.38 Plot 12 (2033) Building-Wet Utilities - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3157	12.6733	40.1765	0.0832		0.3817	0.3817		0.3817	0.3817		8,120.4478	8,120.4478	0.2913		8,127.7289

Total	**3.3157**	**12.6733**	**40.1765**	**0.0832**		**0.3817**	**0.3817**		**0.3817**	**0.3817**		**8,120.4478**	**8,120.4478**	**0.2913**		**8,127.7289**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8573	3.7152	46.8502	0.0832		0.1143	0.1143		0.1143	0.1143	0.0000	8,120.4477	8,120.4477	0.2913		8,127.7289
Total	**0.8573**	**3.7152**	**46.8502**	**0.0832**		**0.1143**	**0.1143**		**0.1143**	**0.1143**	**0.0000**	**8,120.4477**	**8,120.4477**	**0.2913**		**8,127.7289**

3.39 Plot 12 (2033) Building-Electrical - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9544	11.0043	22.6081	0.0347		0.1750	0.1750		0.1750	0.1750		3,152.9599	3,152.9599	0.1735		3,157.2973
Total	**1.9544**	**11.0043**	**22.6081**	**0.0347**		**0.1750**	**0.1750**		**0.1750**	**0.1750**		**3,152.9599**	**3,152.9599**	**0.1735**		**3,157.2973**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4400	4.9527	21.0537	0.0347		0.0512	0.0512		0.0512	0.0512	0.0000	3,152.9599	3,152.9599	0.1735		3,157.2973
Total	**0.4400**	**4.9527**	**21.0537**	**0.0347**		**0.0512**	**0.0512**		**0.0512**	**0.0512**	**0.0000**	**3,152.9599**	**3,152.9599**	**0.1735**		**3,157.2973**

3.40 Plot 12 (2033) Building-Landscaping - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4488	6.7336	17.3282	0.0285		0.1809	0.1809		0.1809	0.1809		2,638.5755	2,638.5755	0.1280		2,641.7758
Total	**1.4488**	**6.7336**	**17.3282**	**0.0285**		**0.1809**	**0.1809**		**0.1809**	**0.1809**		**2,638.5755**	**2,638.5755**	**0.1280**		**2,641.7758**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7027	6.2216	17.9243	0.0285		0.0956	0.0956		0.0956	0.0956	0.0000	2,638.5755	2,638.5755	0.1280		2,641.7758
Total	**0.7027**	**6.2216**	**17.9243**	**0.0285**		**0.0956**	**0.0956**		**0.0956**	**0.0956**	**0.0000**	**2,638.5755**	**2,638.5755**	**0.1280**		**2,641.7758**

3.41 Plot 12 (2033) Landscaping - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5460	7.0163	18.8043	0.0312		0.1932	0.1932		0.1932	0.1932		2,889.6536	2,889.6536	0.1364		2,893.0638
Total	**1.5460**	**7.0163**	**18.8043**	**0.0312**		**0.1932**	**0.1932**		**0.1932**	**0.1932**		**2,889.6536**	**2,889.6536**	**0.1364**		**2,893.0638**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7292	6.3365	19.5590	0.0312		0.0991	0.0991		0.0991	0.0991	0.0000	2,889.6536	2,889.6536	0.1364		2,893.0638
Total	**0.7292**	**6.3365**	**19.5590**	**0.0312**		**0.0991**	**0.0991**		**0.0991**	**0.0991**	**0.0000**	**2,889.6536**	**2,889.6536**	**0.1364**		**2,893.0638**

3.42 Plot 12 (2033) Temporary Utilities - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.6316	1.9830	3.1011	0.0142		0.0654	0.0654		0.0654	0.0654		1,616.8479	1,616.8479	0.0569		1,618.2704
Total	**0.6316**	**1.9830**	**3.1011**	**0.0142**		**0.0654**	**0.0654**		**0.0654**	**0.0654**		**1,616.8479**	**1,616.8479**	**0.0569**		**1,618.2704**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1707	0.7397	6.2591	0.0142		0.0228	0.0228		0.0228	0.0228	0.0000	1,616.8479	1,616.8479	0.0569		1,618.2704
Total	**0.1707**	**0.7397**	**6.2591**	**0.0142**		**0.0228**	**0.0228**		**0.0228**	**0.0228**	**0.0000**	**1,616.8479**	**1,616.8479**	**0.0569**		**1,618.2704**

3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8168	4.3525	9.1645	0.0157		0.1894	0.1894		0.1894	0.1894		1,478.6805	1,478.6805	0.0729		1,480.5021
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.0623**	**4.3525**	**9.1645**	**0.0157**		**0.1894**	**0.1894**		**0.1894**	**0.1894**		**1,478.6805**	**1,478.6805**	**0.0729**		**1,480.5021**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2031	1.9185	9.6195	0.0157		0.0259	0.0259		0.0259	0.0259	0.0000	1,478.6805	1,478.6805	0.0729		1,480.5021
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4486**	**1.9185**	**9.6195**	**0.0157**		**0.0259**	**0.0259**		**0.0259**	**0.0259**	**0.0000**	**1,478.6805**	**1,478.6805**	**0.0729**		**1,480.5021**

3.44 Plot 12 (2033) Paving - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3933	11.4334	21.5018	0.0485		0.4258	0.4258		0.4258	0.4258		4,945.1364	4,945.1364	0.2131		4,950.4632
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.6388**	**11.4334**	**21.5018**	**0.0485**		**0.4258**	**0.4258**		**0.4258**	**0.4258**		**4,945.1364**	**4,945.1364**	**0.2131**		**4,950.4632**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5176	2.2427	26.1694	0.0485		0.0690	0.0690		0.0690	0.0690	0.0000	4,945.1364	4,945.1364	0.2131		4,950.4632
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	**1.7631**	**2.2427**	**26.1694**	**0.0485**		**0.0690**	**0.0690**		**0.0690**	**0.0690**	**0.0000**	**4,945.1364**	**4,945.1364**	**0.2131**		**4,950.4632**

3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.2577	0.0000	8.2577	4.2166	0.0000	4.2166			0.0000			0.0000
Off-Road	0.7448	3.8257	7.8691	0.0133		0.1661	0.1661		0.1661	0.1661		1,263.0332	1,263.0332	0.0655		1,264.6694
Total	**0.7448**	**3.8257**	**7.8691**	**0.0133**	**8.2577**	**0.1661**	**8.4238**	**4.2166**	**0.1661**	**4.3827**		**1,263.0332**	**1,263.0332**	**0.0655**		**1,264.6694**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2205	0.0000	3.2205	1.6445	0.0000	1.6445			0.0000			0.0000
Off-Road	0.1334	0.5778	8.2232	0.0133		0.0178	0.0178		0.0178	0.0178	0.0000	1,263.0332	1,263.0332	0.0655		1,264.6694
Total	**0.1334**	**0.5778**	**8.2232**	**0.0133**	**3.2205**	**0.0178**	**3.2383**	**1.6445**	**0.0178**	**1.6623**	**0.0000**	**1,263.0332**	**1,263.0332**	**0.0655**		**1,264.6694**

3.46 Plots 12 and 21,22 (2034) Utilities - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Off-Road	7.9486	24.8216	58.5976	0.1877		0.6647	0.6647		0.6647	0.6647		19,822.2167	19,822.2167	0.7065		19,839.8795
Total	**7.9486**	**24.8216**	**58.5976**	**0.1877**		**0.6647**	**0.6647**		**0.6647**	**0.6647**		**19,822.2167**	**19,822.2167**	**0.7065**		**19,839.8795**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1999	12.5789	87.9492	0.1877		0.2858	0.2858		0.2858	0.2858	0.0000	19,822.2167	19,822.2167	0.7065		19,839.8795
Total	**2.1999**	**12.5789**	**87.9492**	**0.1877**		**0.2858**	**0.2858**		**0.2858**	**0.2858**	**0.0000**	**19,822.2167**	**19,822.2167**	**0.7065**		**19,839.8795**

3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1324	7.3709	16.1788	0.0272		0.1505	0.1505		0.1505	0.1505		2,562.9012	2,562.9012	0.0999		2,565.3975
Total	**1.1324**	**7.3709**	**16.1788**	**0.0272**		**0.1505**	**0.1505**		**0.1505**	**0.1505**		**2,562.9012**	**2,562.9012**	**0.0999**		**2,565.3975**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3040	1.3882	16.6733	0.0272		0.0446	0.0446		0.0446	0.0446	0.0000	2,562.9012	2,562.9012	0.0999		2,565.3975
Total	**0.3040**	**1.3882**	**16.6733**	**0.0272**		**0.0446**	**0.0446**		**0.0446**	**0.0446**	**0.0000**	**2,562.9012**	**2,562.9012**	**0.0999**		**2,565.3975**

3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3157	12.6733	40.1765	0.0832		0.3817	0.3817		0.3817	0.3817		8,120.4478	8,120.4478	0.2913		8,127.7289
Total	**3.3157**	**12.6733**	**40.1765**	**0.0832**		**0.3817**	**0.3817**		**0.3817**	**0.3817**		**8,120.4478**	**8,120.4478**	**0.2913**		**8,127.7289**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8573	3.7152	46.8502	0.0832		0.1143	0.1143		0.1143	0.1143	0.0000	8,120.4477	8,120.4477	0.2913		8,127.7289

Total	**0.8573**	**3.7152**	**46.8502**	**0.0832**		**0.1143**	**0.1143**		**0.1143**	**0.1143**	**0.0000**	**8,120.4477**	**8,120.4477**	**0.2913**		**8,127.7289**

3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9544	11.0043	22.6081	0.0347		0.1750	0.1750		0.1750	0.1750		3,152.9599	3,152.9599	0.1735		3,157.2973
Total	**1.9544**	**11.0043**	**22.6081**	**0.0347**		**0.1750**	**0.1750**		**0.1750**	**0.1750**		**3,152.9599**	**3,152.9599**	**0.1735**		**3,157.2973**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4400	4.9527	21.0537	0.0347		0.0512	0.0512		0.0512	0.0512	0.0000	3,152.9599	3,152.9599	0.1735		3,157.2973
Total	**0.4400**	**4.9527**	**21.0537**	**0.0347**		**0.0512**	**0.0512**		**0.0512**	**0.0512**	**0.0000**	**3,152.9599**	**3,152.9599**	**0.1735**		**3,157.2973**

3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4488	6.7336	17.3282	0.0285		0.1809	0.1809		0.1809	0.1809		2,638.5755	2,638.5755	0.1280		2,641.7758
Total	**1.4488**	**6.7336**	**17.3282**	**0.0285**		**0.1809**	**0.1809**		**0.1809**	**0.1809**		**2,638.5755**	**2,638.5755**	**0.1280**		**2,641.7758**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7027	6.2216	17.9243	0.0285		0.0956	0.0956		0.0956	0.0956	0.0000	2,638.5755	2,638.5755	0.1280		2,641.7758
Total	**0.7027**	**6.2216**	**17.9243**	**0.0285**		**0.0956**	**0.0956**		**0.0956**	**0.0956**	**0.0000**	**2,638.5755**	**2,638.5755**	**0.1280**		**2,641.7758**

3.51 Plots 12 and 21,22 (2034) Landscaping - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5460	7.0163	18.8043	0.0312		0.1932	0.1932		0.1932	0.1932		2,889.6536	2,889.6536	0.1364		2,893.0638
Total	**1.5460**	**7.0163**	**18.8043**	**0.0312**		**0.1932**	**0.1932**		**0.1932**	**0.1932**		**2,889.6536**	**2,889.6536**	**0.1364**		**2,893.0638**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7292	6.3365	19.5590	0.0312		0.0991	0.0991		0.0991	0.0991	0.0000	2,889.6536	2,889.6536	0.1364		2,893.0638
Total	**0.7292**	**6.3365**	**19.5590**	**0.0312**		**0.0991**	**0.0991**		**0.0991**	**0.0991**	**0.0000**	**2,889.6536**	**2,889.6536**	**0.1364**		**2,893.0638**

3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6316	1.9830	3.1011	0.0142		0.0654	0.0654		0.0654	0.0654		1,616.8479	1,616.8479	0.0569		1,618.2704
Total	**0.6316**	**1.9830**	**3.1011**	**0.0142**		**0.0654**	**0.0654**		**0.0654**	**0.0654**		**1,616.8479**	**1,616.8479**	**0.0569**		**1,618.2704**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.1707	0.7397	6.2591	0.0142		0.0228	0.0228		0.0228	0.0228	0.0000	1,616.8479	1,616.8479	0.0569		1,618.2704
Total	**0.1707**	**0.7397**	**6.2591**	**0.0142**		**0.0228**	**0.0228**		**0.0228**	**0.0228**	**0.0000**	**1,616.8479**	**1,616.8479**	**0.0569**		**1,618.2704**

3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches -

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0220	0.1381	0.1156	2.7000e-004		5.3700e-003	5.3700e-003		5.3700e-003	5.3700e-003		18.9436	18.9436	1.9700e-003		18.9928
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2675**	**0.1381**	**0.1156**	**2.7000e-004**		**5.3700e-003**	**5.3700e-003**		**5.3700e-003**	**5.3700e-003**		**18.9436**	**18.9436**	**1.9700e-003**		**18.9928**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0220	0.1381	0.1156	2.7000e-004		5.3700e-003	5.3700e-003		5.3700e-003	5.3700e-003	0.0000	18.9436	18.9436	1.9700e-003		18.9928
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2675**	**0.1381**	**0.1156**	**2.7000e-004**		**5.3700e-003**	**5.3700e-003**		**5.3700e-003**	**5.3700e-003**	**0.0000**	**18.9436**	**18.9436**	**1.9700e-003**		**18.9928**

3.54 Plots 12 and 21,22 (2034) Paving - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3933	11.4334	21.5018	0.0485		0.4258	0.4258		0.4258	0.4258		4,945.1364	4,945.1364	0.2131		4,950.4632
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.6388**	**11.4334**	**21.5018**	**0.0485**		**0.4258**	**0.4258**		**0.4258**	**0.4258**		**4,945.1364**	**4,945.1364**	**0.2131**		**4,950.4632**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5176	2.2427	26.1694	0.0485		0.0690	0.0690		0.0690	0.0690	0.0000	4,945.1364	4,945.1364	0.2131		4,950.4632
Paving	1.2455					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7631**	**2.2427**	**26.1694**	**0.0485**		**0.0690**	**0.0690**		**0.0690**	**0.0690**	**0.0000**	**4,945.1364**	**4,945.1364**	**0.2131**		**4,950.4632**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Total					

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
NaturalGas Unmitigated	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Unrefrigerated Warehouse-No	225803	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
Total		**2.4351**	**22.1375**	**18.5955**	**0.1328**		**1.6825**	**1.6825**		**1.6825**	**1.6825**		**26,565.0282**	**26,565.0282**	**0.5092**	**0.4870**	**26,722.8909**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	225.803	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
Total		**2.4351**	**22.1375**	**18.5955**	**0.1328**		**1.6825**	**1.6825**		**1.6825**	**1.6825**		**26,565.0282**	**26,565.0282**	**0.5092**	**0.4870**	**26,722.8909**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	909.6882	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Unmitigated	909.6882	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	103.5231					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	805.7870					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.3780	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Total	**909.6881**	**0.0371**	**4.1313**	**3.1000e-004**		**0.0147**	**0.0147**		**0.0147**	**0.0147**		**8.9125**	**8.9125**	**0.0230**		**9.4865**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	103.5231					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	805.7870					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.3780	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Total	**909.6881**	**0.0371**	**4.1313**	**3.1000e-004**		**0.0147**	**0.0147**		**0.0147**	**0.0147**		**8.9125**	**8.9125**	**0.0230**		**9.4865**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

A.3 Architectural Coating and Paving

VOC Emissions Summary

Unmitigated VOC Emissions Summary

Year	Paving Off Gassing	Parking Lot Striping VOC	Architectural Coatings (Interior)	Architectural Coatings (Exterior)	Total Daily Emissions
			lbs/day		
2020	9	61	116	39	224
2021	9	61	116	39	224
2022	9	61	116	39	224
2023	9	61	116	39	224
2024	9	61	116	39	224
2025	9	61	116	39	224
2026	9	61	116	39	224
2027	9	61	116	39	224
2028	9	61	116	39	224
2029	9	61	116	39	224
2030	9	61	116	39	224
2031	9	61	116	39	224
2032	9	61	116	39	224
2033	9	61	116	39	224
2034	9	61	116	39	224
2035	9	61	116	39	224

Mitigated VOC Emissions Summary

Year	Paving Off Gassing	Parking Lot Striping VOC	Architectural Coatings (Interior)	Architectural Coatings (Exterior)	Total Daily Emissions
			lbs/day		
2020	9	61	46	16	132
2021	9	61	46	16	132
2022	9	61	46	16	132
2023	9	61	46	16	132
2024	9	61	46	16	132
2025	9	61	46	16	132
2026	9	61	46	16	132
2027	9	61	46	16	132
2028	9	61	46	16	132
2029	9	61	46	16	132
2030	9	61	46	16	132
2031	9	61	46	16	132
2032	9	61	46	16	132
2033	9	61	46	16	132
2034	9	61	46	16	132
2035	9	61	46	16	132

Estimated VOC Off Gassing Emissions from Asphalt Paving

Plot #	Year	Acres (Total Acres)	Paved Area (Acres)	Percent Paved	Parking Lot Area to be Paved	VOC Emission Factor (lb/acre)[1]	VOC Emissions	Paving Rate (acres/day)	Days of Paving	Daily Emissions (lbs/day)
Plot 2	2020	193.5	97	33%	31.9	2.62	84	3.4	9	8.9
	2021		97	33%	31.9	2.62	84	3.4	9	8.9
Plot 4	2022	301.5	151	33%	49.7	2.62	130	3.4	15	8.9
	2023		151	33%	49.7	2.62	130	3.4	15	8.9
Plot 9	2024	485.8	243	33%	80.2	2.62	210	3.4	24	8.9
	2025		243	33%	80.2	2.62	210	3.4	24	8.9
Plots 1,3,20	2026	214.2	214	33%	70.7	2.62	185	3.4	21	8.9
Plots 5 and 10	2027	204.1	102	33%	33.7	2.62	88	3.4	10	8.9
	2028		102	33%	33.7	2.62	88	3.4	10	8.9
Plots 7,8,21,22	2029	174.2	174	33%	57.5	2.62	151	3.4	17	8.9
Plot 11	2030	500.0	167	33%	55.0	2.62	144	3.4	16	8.9
	2031		167	33%	55.0	2.62	144	3.4	16	8.9
	2032		167	33%	55.0	2.62	144	3.4	16	8.9
Plots 12 and 6	2033	346.6	116	33%	38.1	2.62	100	3.4	11	8.9
	2034		116	33%	38.1	2.62	100	3.4	11	8.9
	2035		116	33%	38.1	2.62	100	3.4	11	8.9

Notes:

1 VOC Emission Factor per CalEEMod User's Guide, Appendix A,p. 17

Estimated VOC Emissions from Parking Lot Painting (Striping)

Plot #	Year	Acres (Total Acres)	Paved Area (Acres)	Percent Paved	Parking Lot Area to be Paved	Percent of Parking Lot to be Painted	Area to be Painted (SF)	VOC Emission Factor (lb/sqft)	VOC Emissions	Paving Rate (acres/day)	Days of Paving	Daily Emissions (lbs/day)
Plot 2	2020	193.5	97	33%	31.9	6%	83446	0.005	386.5	5	6.4	60.5
	2021		97	33%	31.9	6%	83446	0.005	386.5	5	6.4	60.5
Plot 4	2022	301.5	151	33%	49.7	6%	130020	0.005	602.2	5	9.9	60.5
	2023		151	33%	49.7	6%	130020	0.005	602.2	5	9.9	60.5
Plot 9	2024	485.8	243	33%	80.2	6%	209498	0.005	970.3	5	16.0	60.5
	2025		243	33%	80.2	6%	209498	0.005	970.3	5	16.0	60.5
Plots 1,3,20	2026	214.2	214	33%	70.7	6%	184745	0.005	855.7	5	14.1	60.5
Plots 5 and 10	2027	204.1	102	33%	33.7	6%	88017	0.005	407.7	5	6.7	60.5
	2028		102	33%	33.7	6%	88017	0.005	407.7	5	6.7	60.5
Plots 7,8,21,22	2029	174.2	174	33%	57.5	6%	150245	0.005	695.9	5	11.5	60.5
Plot 11	2030	500.0	167	33%	55.0	6%	143748	0.005	665.8	5	11.0	60.5
	2031		167	33%	55.0	6%	143748	0.005	665.8	5	11.0	60.5
	2032		167	33%	55.0	6%	143748	0.005	665.8	5	11.0	60.5
Plots 12 and 6	2033	346.6	116	33%	38.1	6%	99646	0.005	461.5	5	7.6	60.5
	2034		116	33%	38.1	6%	99646	0.005	461.5	5	7.6	60.5
	2035		116	33%	38.1	6%	99646	0.005	461.5	5	7.6	60.5

Notes:

1 CalEEMod Default VOC Emissios Factor for Parking Lot Paint

2 Current Standard for Traffic Coatings in SCAQMD Rule 1113

http://www.aqmd.gov/home/rules-compliance/compliance/vocs/architectural-coatings/tos

The emission factor (EF) is based on the VOC content of the surface coatings and is calculated estimated using the equation below:

$$EF_{AC} = C_{VOC} / 454(g/lb) \times 3.785(L/Gal) / 180(sqft)$$

Where:

EF = emission factor (lb/sqft)

C = VOC content (g/L). This varies by location and year

Emission Factor (lb/sqft)	**0.005**
C_{VOC} (g/L)[1]	100
Weight Conversion (g/lb)	454
Volume Conversion (L/Gal)	3.785
Area Conversion (sqft/gal)	180

Estimated VOC Emissions from Architectural Coatings (Interior)

Unmitigated

Year	Buildings	Office Area per Building	Coats	Area to be Painted (SF)	VOC Emissions	Days of Painting	Daily VOC Emissions (lbs/day)
2020	1.4	50000	2	140000	1621	14	116
2021	1.4	50000	2	140000	1621	14	116
2022	1.9	50000	2	186667	2161	19	116
2023	1.9	50000	2	186667	2161	19	116
2024	3.5	50000	2	346667	4014	35	116
2025	3.5	50000	2	346667	4014	35	116
2026	1.8	50000	2	183000	2119	18	116
2027	0.7	50000	2	73334	849	7	116
2028	1.5	50000	2	146667	1698	15	116
2029	1.6	50000	2	156667	1814	16	116
2030	1.8	50000	2	177778	2059	18	116
2031	1.8	50000	2	177778	2059	18	116
2032	1.8	50000	2	177778	2059	18	116
2033	1.2	50000	2	116667	1351	12	116
2034	1.2	50000	2	116667	1351	12	116
2035	0.3	50000	2	33334	386	3	116

The emission factor (EF) is based on the VOC content of the surface coatings and is calculated estimated using the equation below:

$$EF_{AC} = C_{VOC} / 454(g/lb) \times 3.785(L/Gal) / 180(sqft)$$

Where:

EF = emission factor (lb/sqft)

C = VOC content (g/L). This varies by location and year

Unmitigated

Emission Factor (lb/sqft)	0.012
C_{VOC} (g/L)[1]	**250**
Weight Conversion (g/lb)	454
Volume Conversion (L/Gal)	3.785
Area Conversion (sqft)	180

Mitigated

Year	Buildings	Office Area per Building	Coats	Area to be Painted (SF)	VOC Emissions	Days of Painting	Daily VOC Emissions (lbs/day)
2020	1.4	50000	2	140000	648	14	46
2021	1.4	50000	2	140000	648	14	46
2022	1.9	50000	2	186667	865	19	46
2023	1.9	50000	2	186667	865	19	46
2024	3.5	50000	2	346667	1606	35	46
2025	3.5	50000	2	346667	1606	35	46
2026	1.8	50000	2	183000	848	18	46
2027	0.7	50000	2	73334	340	7	46
2028	1.5	50000	2	146667	679	15	46
2029	1.6	50000	2	156667	726	16	46
2030	1.8	50000	2	177778	823	18	46
2031	1.8	50000	2	177778	823	18	46
2032	1.8	50000	2	177778	823	18	46
2033	1.2	50000	2	116667	540	12	46
2034	1.2	50000	2	116667	540	12	46
2035	0.3	50000	2	33334	154	3	46

Mitigated

Emission Factor (lb/sqft)	0.005
C_{VOC} (g/L)[1]	**100**
Weight Conversion (g/lb)	454
Volume Conversion (L/Gal)	3.785
Area Conversion (sqft)	180

Estimated Area of Building Exterior to be Painted

Unmitigated Emissions

Year	Area (Million SF)	Buidling Size (Million SF)	Buildings	Building Perimeter (feet)	Building Height (feet)	Area to be Painted per Building (sqft)	Coats	Area to Be Painted (sqft)	VOC Emission Factor (lb/sqft)[1]	VOC Emissions (lbs)	Days of Painting	VOC Emissions (lbs/day)
2020	2.1	1.5	1.4	4899	40	195959	2	548686	0.003	1646	42	39
2021	2.1	1.5	1.4	4899	40	195959	2	548686	0.003	1646	42	39
2022	2.8	1.5	1.9	4899	40	195959	2	731581	0.003	2195	56	39
2023	2.8	1.5	1.9	4899	40	195959	2	731581	0.003	2195	56	39
2024	5.2	1.5	3.5	4899	40	195959	2	1358650	0.003	4076	104	39
2025	5.2	1.5	3.5	4899	40	195959	2	1358650	0.003	4076	104	39
2026	2.7	1.5	1.8	4899	40	195959	2	717211	0.003	2152	55	39
2027	1.1	1.5	0.7	4899	40	195959	2	287407	0.003	862	22	39
2028	2.2	1.5	1.5	4899	40	195959	2	574814	0.003	1724	44	39
2029	2.4	1.5	1.6	4899	40	195959	2	614005	0.003	1842	47	39
2030	2.7	1.5	1.8	4899	40	195959	2	696744	0.003	2090	53	39
2031	2.7	1.5	1.8	4899	40	195959	2	696744	0.003	2090	53	39
2032	2.7	1.5	1.8	4899	40	195959	2	696744	0.003	2090	53	39
2033	1.8	1.5	1.2	4899	40	195959	2	457238	0.003	1372	35	39
2034	1.8	1.5	1.2	4899	40	195959	2	457238	0.003	1372	35	39
2035	0.5	1.5	0.3	4899	40	195959	2	130639	0.003	392	10	39

Mitigated Emissions

Year	Area (Million SF)	Buidling Size (Million SF)	Buildings	Building Perimeter (feet)	Building Height (feet)	Area to be Painted per Building (sqft)	Coats	Area to Be Painted (sqft)	VOC Emission Factor (lb/sqft)[2]	VOC Emissions (lbs)	Days of Painting	VOC Emissions (lbs/day)
2020	2.1	1.5	1.4	4899	40	195959	2	548686	0.001	686	42	16
2021	2.1	1.5	1.4	4899	40	195959	2	548686	0.001	686	42	16
2022	2.8	1.5	1.9	4899	40	195959	2	731581	0.001	915	56	16
2023	2.8	1.5	1.9	4899	40	195959	2	731581	0.001	915	56	16
2024	5.2	1.5	3.5	4899	40	195959	2	1358650	0.001	1699	104	16
2025	5.2	1.5	3.5	4899	40	195959	2	1358650	0.001	1699	104	16
2026	2.7	1.5	1.8	4899	40	195959	2	717211	0.001	897	55	16
2027	1.1	1.5	0.7	4899	40	195959	2	287407	0.001	359	22	16
2028	2.2	1.5	1.5	4899	40	195959	2	574814	0.001	719	44	16
2029	2.4	1.5	1.6	4899	40	195959	2	614005	0.001	768	47	16
2030	2.7	1.5	1.8	4899	40	195959	2	696744	0.001	871	53	16
2031	2.7	1.5	1.8	4899	40	195959	2	696744	0.001	871	53	16
2032	2.7	1.5	1.8	4899	40	195959	2	696744	0.001	871	53	16
2033	1.8	1.5	1.2	4899	40	195959	2	457238	0.001	572	35	16
2034	1.8	1.5	1.2	4899	40	195959	2	457238	0.001	572	35	16
2035	0.5	1.5	0.3	4899	40	195959	2	130639	0.001	163	10	16

Notes:

1 Unmitigated emission rate based on Revised DEIR calculations found in AQ GHG HRA Appendix A Construction, VOC content equivalent to approximately 70 g/L

2 Mitigated emission rate based on Revised DEIR calculations found in AQ GHG HRA Appendix A Construction, VOC content equivalent to approximately 28 g/L

A.4 Greenhouse Gas Emissions Unmitigated

GHG Emissions Summary

World Logistics Center
Construction Emissions - GHG

UNMITIGATED

Year	On-Site Offroad Equipment	Onsite Mobile	Offsite Mobile	Total
	MT/yr			
2020	16,480	108	2,150	18,739
2021	19,881	99	2,193	22,172
2022	20,987	109	2,254	23,351
2023	21,029	117	2,359	23,506
2024	19,689	91	2,329	22,109
2025	14,443	95	1,866	16,404
2026	10,425	87	1,907	12,419
2027	9,608	97	1,981	11,686
2028	9,827	101	2,065	11,993
2029	9,366	80	1,999	11,445
2030	10,547	85	1,673	12,305
2031	8,812	78	1,714	10,604
2032	8,109	89	1,789	9,986
2033	5,691	85	1,669	7,445
2034	5,552	68	1,802	7,422
Project Total	190,446	1,388	29,750	221,584
30-Year Amortization				**7,386**

Plots 2, 4, 9, 1, 3, and 20

World Logistics Center
Construction Emissions - GHG (Unmitigated)

UNMITIGATED

Year	On-Site Offroad Equipment	Onsite Mobile	Offsite Mobile	Total
	MT/yr			
2020	16,480	102	2,144	18,726
2021	19,881	93	2,187	22,161
2022	20,987	104	2,249	23,340
2023	21,029	112	2,354	23,495
2024	19,689	86	2,323	22,098

ONSITE Mobile Emissions		CO2	CH4	N2O	CO2e
PhaseName	CalEEMod Phase Name	MT/yr			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	5.71E+00	1.39E-01	8.66E-04	9.45E+00
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	1.58E+00	3.10E-02	3.41E-04	2.46E+00
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	1.23E+01	3.86E-01	2.17E-03	2.26E+01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	1.56E+00	9.26E-02	2.23E-04	3.95E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	1.20E+01	3.15E-02	3.19E-03	1.37E+01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	1.11E+01	2.32E-01	3.31E-03	1.79E+01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	1.12E+01	9.30E-02	3.36E-03	1.45E+01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	3.77E+00	1.20E-04	1.69E-03	4.28E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	1.70E+00	1.08E-01	2.32E-04	4.47E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2.67E+00	9.28E-02	3.43E-04	5.09E+00
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	1.65E+00	6.18E-02	2.28E-04	3.27E+00
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	5.63E+00	1.37E-01	8.73E-04	9.31E+00
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	1.49E+00	3.04E-02	3.05E-04	2.34E+00
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	1.29E+01	3.79E-01	2.54E-03	2.31E+01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	7.11E+00	3.08E-02	1.06E-03	8.19E+00
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	9.64E+00	3.09E-02	2.20E-03	1.11E+01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	9.76E+00	9.12E-02	2.76E-03	1.29E+01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	3.27E+00	1.06E-01	9.56E-04	6.21E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	3.38E+00	9.09E-02	1.05E-03	5.96E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2.78E+00	9.05E-05	1.25E-03	3.16E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	3.93E+00	6.07E-02	1.27E-03	5.82E+00
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2.59E+00	9.10E-02	3.31E-04	4.97E+00
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	8.46E+00	1.78E-01	1.79E-03	1.34E+01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	1.52E+00	6.66E-02	2.57E-04	3.26E+00
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	8.95E+00	2.15E-01	2.25E-03	1.50E+01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	7.31E+00	1.26E-01	1.04E-03	1.08E+01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	5.60E+00	2.22E-01	9.37E-04	1.14E+01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	6.48E+00	8.90E-02	1.90E-03	9.27E+00
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	5.80E+00	6.69E-02	1.35E-03	7.87E+00
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	5.99E+00	2.29E-01	8.83E-04	1.20E+01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	5.34E+00	1.83E-04	2.50E-03	6.09E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	3.41E+00	7.41E-02	4.99E-04	5.41E+00
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	6.42E+00	8.90E-02	2.34E-03	9.34E+00
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	7.40E+00	2.14E-01	1.01E-03	1.31E+01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	5.09E+00	1.00E-01	1.87E-03	8.15E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	1.49E+00	5.71E-02	2.03E-04	2.98E+00
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	9.25E+00	2.14E-01	1.89E-03	1.52E+01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	7.34E+00	2.14E-01	1.84E-03	1.32E+01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	4.08E+00	8.58E-02	1.36E-03	6.63E+00
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	1.06E+01	2.91E-02	2.91E-03	1.22E+01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	1.54E+00	5.38E-05	7.28E-04	1.76E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	1.17E+01	3.57E-01	2.28E-03	2.13E+01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2.64E+00	9.22E-05	1.25E-03	3.01E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	5.99E+00	8.59E-02	1.21E-03	8.50E+00
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	3.57E+00	8.57E-02	1.22E-03	6.08E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	5.72E+00	1.63E-01	7.48E-04	1.00E+01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	5.85E+00	2.06E-01	9.09E-04	1.13E+01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	5.81E+00	2.06E-01	8.93E-04	1.12E+01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	6.87E+00	1.21E-01	9.71E-04	1.02E+01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	4.86E+00	2.13E-01	6.83E-04	1.04E+01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	3.29E+00	8.51E-02	4.72E-04	5.56E+00
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	3.98E+00	6.40E-02	5.75E-04	5.75E+00
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	1.80E+00	2.85E-02	2.47E-04	2.58E+00
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	5.57E+00	2.20E-01	7.95E-04	1.13E+01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	1.49E+00	7.79E-02	2.01E-04	3.50E+00
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	1.86E+00	8.51E-02	2.38E-04	4.06E+00
	2020	6.52E+01	1.27E+00	1.60E-02	1.02E+02
	2021	6.25E+01	1.05E+00	1.46E-02	9.30E+01
	2022	6.53E+01	1.36E+00	1.57E-02	1.04E+02
	2023	7.07E+01	1.44E+00	1.78E-02	1.12E+02
	2024	4.71E+01	1.47E+00	6.73E-03	8.58E+01

Worker Running Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission Factor (g/mile)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	0.5	1.32E-03	4.97E-03	6.28E-02	1.71E-04	1.04E+01	1.20E-04	1.04E+01	1.04E+00	1.11E-04	1.04E+00	1.73E+01	3.10E-04	4.18E-04
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	0.5	3.97E-04	1.49E-03	1.88E-02	5.14E-05	3.12E+00	3.61E-05	3.12E+00	3.12E-01	3.32E-05	3.12E-01	5.20E+00	9.29E-05	1.25E-04
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	0.5	1.06E-03	3.98E-03	5.02E-02	1.37E-04	8.33E+00	9.63E-05	8.33E+00	8.31E-01	8.87E-05	8.31E-01	1.39E+01	2.48E-04	3.34E-04
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	0.5	2.65E-04	9.94E-04	1.26E-02	3.43E-05	2.08E+00	2.41E-05	2.08E+00	2.08E-01	2.22E-05	2.08E-01	3.46E+00	6.19E-05	8.36E-05
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	0.5	6.62E-04	2.49E-03	3.14E-02	8.57E-05	5.20E+00	6.02E-05	5.20E+00	5.19E-01	5.54E-05	5.19E-01	8.66E+00	1.55E-04	2.09E-04
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	0.5	6.62E-04	2.49E-03	3.14E-02	8.57E-05	5.20E+00	6.02E-05	5.20E+00	5.19E-01	5.54E-05	5.19E-01	8.66E+00	1.55E-04	2.09E-04
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	0.5	3.97E-04	1.49E-03	1.88E-02	5.14E-05	3.12E+00	3.61E-05	3.12E+00	3.12E-01	3.32E-05	3.12E-01	5.20E+00	9.29E-05	1.25E-04
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	0.5	2.65E-04	9.94E-04	1.26E-02	3.43E-05	2.08E+00	2.41E-05	2.08E+00	2.08E-01	2.22E-05	2.08E-01	3.46E+00	6.19E-05	8.36E-05
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	0.5	6.62E-04	2.49E-03	3.14E-02	8.57E-05	5.20E+00	6.02E-05	5.20E+00	5.19E-01	5.54E-05	5.19E-01	8.66E+00	1.55E-04	2.09E-04
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	0.5	2.65E-04	9.94E-04	1.26E-02	3.43E-05	2.08E+00	2.41E-05	2.08E+00	2.08E-01	2.22E-05	2.08E-01	3.46E+00	6.19E-05	8.36E-05
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	0.5	1.14E-03	4.30E-03	5.66E-02	1.66E-04	1.04E+01	1.12E-04	1.04E+01	1.04E+00	1.03E-04	1.04E+00	1.68E+01	2.71E-04	3.77E-04
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	0.5	3.43E-04	1.29E-03	1.70E-02	4.99E-05	3.12E+00	3.37E-05	3.12E+00	3.12E-01	3.10E-05	3.12E-01	5.05E+00	8.12E-05	1.13E-04
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	0.5	9.14E-04	3.44E-03	4.53E-02	1.33E-04	8.33E+00	8.99E-05	8.33E+00	8.31E-01	8.28E-05	8.31E-01	1.35E+01	2.16E-04	3.02E-04
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	0.5	5.71E-04	2.15E-03	2.83E-02	8.32E-05	5.20E+00	5.62E-05	5.20E+00	5.19E-01	5.17E-05	5.19E-01	8.41E+00	1.35E-04	1.89E-04
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	0.5	5.71E-04	2.15E-03	2.83E-02	8.32E-05	5.20E+00	5.62E-05	5.20E+00	5.19E-01	5.17E-05	5.19E-01	8.41E+00	1.35E-04	1.89E-04
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	0.5	3.43E-04	1.29E-03	1.70E-02	4.99E-05	3.12E+00	3.37E-05	3.12E+00	3.12E-01	3.10E-05	3.12E-01	5.05E+00	8.12E-05	1.13E-04
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	0.5	2.29E-04	8.60E-04	1.13E-02	3.33E-05	2.08E+00	2.25E-05	2.08E+00	2.08E-01	2.07E-05	2.08E-01	3.36E+00	5.41E-05	7.55E-05
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	0.5	2.29E-04	8.60E-04	1.13E-02	3.33E-05	2.08E+00	2.25E-05	2.08E+00	2.08E-01	2.07E-05	2.08E-01	3.36E+00	5.41E-05	7.55E-05
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	0.5	2.29E-04	8.60E-04	1.13E-02	3.33E-05	2.08E+00	2.25E-05	2.08E+00	2.08E-01	2.07E-05	2.08E-01	3.36E+00	5.41E-05	7.55E-05
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	0.5	5.71E-04	2.15E-03	2.83E-02	8.32E-05	5.20E+00	5.62E-05	5.20E+00	5.19E-01	5.17E-05	5.19E-01	8.41E+00	1.35E-04	1.89E-04
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	0.5	9.88E-04	3.74E-03	5.14E-02	1.61E-04	1.04E+01	1.05E-04	1.04E+01	1.04E+00	9.67E-05	1.04E+00	1.63E+01	2.37E-04	3.43E-04
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	0.5	2.47E-04	9.36E-04	1.28E-02	4.03E-05	2.60E+00	2.63E-05	2.60E+00	2.60E-01	2.42E-05	2.60E-01	4.07E+00	5.92E-05	8.57E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	0.5	4.94E-04	1.87E-03	2.57E-02	8.06E-05	5.20E+00	5.25E-05	5.20E+00	5.19E-01	4.84E-05	5.19E-01	8.15E+00	1.18E-04	1.71E-04
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	0.5	7.41E-04	2.81E-03	3.85E-02	1.21E-04	7.81E+00	7.88E-05	7.81E+00	7.79E-01	7.25E-05	7.79E-01	1.22E+01	1.78E-04	2.57E-04
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	0.5	4.94E-04	1.87E-03	2.57E-02	8.06E-05	5.20E+00	5.25E-05	5.20E+00	5.19E-01	4.84E-05	5.19E-01	8.15E+00	1.18E-04	1.71E-04
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	0.5	2.96E-04	1.12E-03	1.54E-02	4.84E-05	3.12E+00	3.15E-05	3.12E+00	3.12E-01	2.90E-05	3.12E-01	4.89E+00	7.11E-05	1.03E-04
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	0.5	3.46E-04	1.31E-03	1.80E-02	5.64E-05	3.64E+00	3.68E-05	3.64E+00	3.63E-01	3.38E-05	3.63E-01	5.70E+00	8.29E-05	1.20E-04
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	0.5	4.94E-04	1.87E-03	2.57E-02	8.06E-05	5.20E+00	5.25E-05	5.20E+00	5.19E-01	4.84E-05	5.19E-01	8.15E+00	1.18E-04	1.71E-04
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	0.5	2.47E-04	9.36E-04	1.28E-02	4.03E-05	2.60E+00	2.63E-05	2.60E+00	2.60E-01	2.42E-05	2.60E-01	4.07E+00	5.92E-05	8.57E-05
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	0.5	3.46E-04	1.31E-03	1.80E-02	5.64E-05	3.64E+00	3.68E-05	3.64E+00	3.63E-01	3.38E-05	3.63E-01	5.70E+00	8.29E-05	1.20E-04
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	0.5	8.55E-04	3.28E-03	4.69E-02	1.56E-04	1.04E+01	9.88E-05	1.04E+01	1.04E+00	9.10E-05	1.04E+00	1.58E+01	2.08E-04	3.14E-04
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	0.5	1.71E-04	6.55E-04	9.39E-03	3.12E-05	2.08E+00	1.98E-05	2.08E+00	2.08E-01	1.82E-05	2.08E-01	3.15E+00	4.16E-05	6.27E-05
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	0.5	1.71E-04	6.55E-04	9.39E-03	3.12E-05	2.08E+00	1.98E-05	2.08E+00	2.08E-01	1.82E-05	2.08E-01	3.15E+00	4.16E-05	6.27E-05
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	0.5	8.55E-04	3.28E-03	4.69E-02	1.56E-04	1.04E+01	9.88E-05	1.04E+01	1.04E+00	9.10E-05	1.04E+00	1.58E+01	2.08E-04	3.14E-04
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	0.5	4.27E-04	1.64E-03	2.35E-02	7.80E-05	5.20E+00	4.94E-05	5.20E+00	5.19E-01	4.55E-05	5.19E-01	7.89E+00	1.04E-04	1.57E-04
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	0.5	2.56E-04	9.83E-04	1.41E-02	4.68E-05	3.12E+00	2.96E-05	3.12E+00	3.12E-01	2.73E-05	3.12E-01	4.73E+00	6.24E-05	9.41E-05
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	0.5	4.27E-04	1.64E-03	2.35E-02	7.80E-05	5.20E+00	4.94E-05	5.20E+00	5.19E-01	4.55E-05	5.19E-01	7.89E+00	1.04E-04	1.57E-04
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	0.5	6.84E-04	2.62E-03	3.76E-02	1.25E-04	8.33E+00	7.90E-05	8.33E+00	8.31E-01	7.28E-05	8.31E-01	1.26E+01	1.66E-04	2.51E-04
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	0.5	2.56E-04	9.83E-04	1.41E-02	4.68E-05	3.12E+00	2.96E-05	3.12E+00	3.12E-01	2.73E-05	3.12E-01	4.73E+00	6.24E-05	9.41E-05
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	0.5	1.71E-04	6.55E-04	9.39E-03	3.12E-05	2.08E+00	1.98E-05	2.08E+00	2.08E-01	1.82E-05	2.08E-01	3.15E+00	4.16E-05	6.27E-05
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	0.5	7.53E-04	2.90E-03	4.35E-02	1.51E-04	1.04E+01	9.45E-05	1.04E+01	1.04E+00	8.70E-05	1.04E+00	1.53E+01	1.86E-04	2.90E-04
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	0.5	3.77E-04	1.45E-03	2.17E-02	7.57E-05	5.20E+00	4.73E-05	5.20E+00	5.19E-01	4.35E-05	5.19E-01	7.66E+00	9.28E-05	1.45E-04
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	0.5	3.77E-04	1.45E-03	2.17E-02	7.57E-05	5.20E+00	4.73E-05	5.20E+00	5.19E-01	4.35E-05	5.19E-01	7.66E+00	9.28E-05	1.45E-04
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	0.5	5.65E-04	2.17E-03	3.26E-02	1.14E-04	7.81E+00	7.09E-05	7.81E+00	7.79E-01	6.53E-05	7.79E-01	1.15E+01	1.39E-04	2.17E-04
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	0.5	3.77E-04	1.45E-03	2.17E-02	7.57E-05	5.20E+00	4.73E-05	5.20E+00	5.19E-01	4.35E-05	5.19E-01	7.66E+00	9.28E-05	1.45E-04
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	0.5	2.26E-04	8.69E-04	1.30E-02	4.54E-05	3.12E+00	2.84E-05	3.12E+00	3.12E-01	2.61E-05	3.12E-01	4.59E+00	5.57E-05	8.69E-05
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	0.5	2.64E-04	1.01E-03	1.52E-02	5.30E-05	3.64E+00	3.31E-05	3.64E+00	3.63E-01	3.05E-05	3.63E-01	5.36E+00	6.49E-05	1.01E-04
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	0.5	1.88E-04	7.24E-04	1.09E-02	3.79E-05	2.60E+00	2.36E-05	2.60E+00	2.60E-01	2.18E-05	2.60E-01	3.83E+00	4.64E-05	7.24E-05
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	0.5	3.77E-04	1.45E-03	2.17E-02	7.57E-05	5.20E+00	4.73E-05	5.20E+00	5.19E-01	4.35E-05	5.19E-01	7.66E+00	9.28E-05	1.45E-04
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	0.5	1.51E-04	5.80E-04	8.70E-03	3.03E-05	2.08E+00	1.89E-05	2.08E+00	2.08E-01	1.74E-05	2.08E-01	3.06E+00	3.71E-05	5.79E-05
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	0.5	2.64E-04	1.01E-03	1.52E-02	5.30E-05	3.64E+00	3.31E-05	3.64E+00	3.63E-01	3.05E-05	3.63E-01	5.36E+00	6.49E-05	1.01E-04

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
						MT/yr			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	0.5	262	2.06E+00	3.68E-05	4.97E-05	2.07E+00
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	0.5	262	6.18E-01	1.10E-05	1.49E-05	6.22E-01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	0.5	262	1.65E+00	2.94E-05	3.97E-05	1.66E+00
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	0.5	262	4.12E-01	7.36E-06	9.94E-06	4.15E-01
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	0.5	262	1.03E+00	1.84E-05	2.48E-05	1.04E+00
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	0.5	262	1.03E+00	1.84E-05	2.48E-05	1.04E+00
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	0.5	262	6.18E-01	1.10E-05	1.49E-05	6.22E-01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	0.5	262	4.12E-01	7.36E-06	9.94E-06	4.15E-01
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	0.5	262	1.03E+00	1.84E-05	2.48E-05	1.04E+00
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	0.5	262	4.12E-01	7.36E-06	9.94E-06	4.15E-01
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	0.5	261	1.99E+00	3.20E-05	4.47E-05	2.01E+00
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	0.5	261	5.97E-01	9.61E-06	1.34E-05	6.02E-01
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	0.5	261	1.59E+00	2.56E-05	3.57E-05	1.60E+00
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	0.5	261	9.96E-01	1.60E-05	2.23E-05	1.00E+00
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	0.5	261	9.96E-01	1.60E-05	2.23E-05	1.00E+00
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	0.5	261	5.97E-01	9.61E-06	1.34E-05	6.02E-01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	0.5	261	3.98E-01	6.41E-06	8.93E-06	4.01E-01
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	0.5	261	3.98E-01	6.41E-06	8.93E-06	4.01E-01
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	0.5	261	3.98E-01	6.41E-06	8.93E-06	4.01E-01
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	0.5	261	9.96E-01	1.60E-05	2.23E-05	1.00E+00
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	0.5	260	1.92E+00	2.79E-05	4.04E-05	1.93E+00
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	0.5	260	4.80E-01	6.98E-06	1.01E-05	4.84E-01
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	0.5	260	9.61E-01	1.40E-05	2.02E-05	9.67E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	0.5	260	1.44E+00	2.10E-05	3.03E-05	1.45E+00
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	0.5	260	9.61E-01	1.40E-05	2.02E-05	9.67E-01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	0.5	260	5.77E-01	8.38E-06	1.21E-05	5.80E-01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	0.5	260	6.73E-01	9.78E-06	1.42E-05	6.77E-01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	0.5	260	9.61E-01	1.40E-05	2.02E-05	9.67E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	0.5	260	4.80E-01	6.98E-06	1.01E-05	4.84E-01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	0.5	260	6.73E-01	9.78E-06	1.42E-05	6.77E-01
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	0.5	260	1.86E+00	2.45E-05	3.70E-05	1.87E+00
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	0.5	260	3.72E-01	4.90E-06	7.40E-06	3.74E-01
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	0.5	260	3.72E-01	4.90E-06	7.40E-06	3.74E-01
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	0.5	260	1.86E+00	2.45E-05	3.70E-05	1.87E+00
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	0.5	260	9.30E-01	1.23E-05	1.85E-05	9.36E-01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	0.5	260	5.58E-01	7.36E-06	1.11E-05	5.62E-01
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	0.5	260	9.30E-01	1.23E-05	1.85E-05	9.36E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	0.5	260	1.49E+00	1.96E-05	2.96E-05	1.50E+00
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	0.5	260	5.58E-01	7.36E-06	1.11E-05	5.62E-01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	0.5	260	3.72E-01	4.90E-06	7.40E-06	3.74E-01
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	0.5	262	1.82E+00	2.20E-05	3.44E-05	1.83E+00
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	0.5	262	9.10E-01	1.10E-05	1.72E-05	9.15E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	0.5	262	9.10E-01	1.10E-05	1.72E-05	9.15E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	0.5	262	1.36E+00	1.65E-05	2.58E-05	1.37E+00
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	0.5	262	9.10E-01	1.10E-05	1.72E-05	9.15E-01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	0.5	262	5.46E-01	6.61E-06	1.03E-05	5.49E-01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	0.5	262	6.37E-01	7.72E-06	1.21E-05	6.41E-01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	0.5	262	4.55E-01	5.51E-06	8.61E-06	4.58E-01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	0.5	262	9.10E-01	1.10E-05	1.72E-05	9.15E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	0.5	262	3.64E-01	4.41E-06	6.89E-06	3.66E-01
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	0.5	262	6.37E-01	7.72E-06	1.21E-05	6.41E-01

Worker Starting/Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission Factor (g/trip)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 20	2020	50	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2	2020	25	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities	2020	25	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2	2020	15	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities -	2020	0	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscapir	2020	10	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Appr	2020	10	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 202	2021	25	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 202	2021	10	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches	2021	10	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2	2022	50	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 202	2022	12.5	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete -	2022	37.5	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilitie	2022	25	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical -	2022	15	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscapir	2022	17.5	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities	2022	0	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Appr	2022	12.5	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 202	2023	25	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 202	2023	25	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches	2023	15	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavatic	2024	50	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading	2024	25	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concr	2024	37.5	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet U	2024	25	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electr	2024	15	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Lands	2024	17.5	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2	2024	12.5	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2	2024	25	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Uti	2024	0	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive	2024	10	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 20	2020	50	0.5	6.03E-02	1.46E-02	1.34E-01	3.46E-05	0.00E+00	1.27E-04	1.27E-04	0.00E+00	1.17E-04	1.17E-04	3.50E+00	3.85E-03	1.67E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	0.5	1.81E-02	4.38E-03	4.02E-02	1.04E-05	0.00E+00	3.81E-05	3.81E-05	0.00E+00	3.50E-05	3.50E-05	1.05E+00	1.16E-03	5.01E-04
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	0.5	4.83E-02	1.17E-02	1.07E-01	2.77E-05	0.00E+00	1.02E-04	1.02E-04	0.00E+00	9.34E-05	9.34E-05	2.80E+00	3.08E-03	1.34E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	0.5	1.21E-02	2.92E-03	2.68E-02	6.92E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.34E-05	2.34E-05	7.00E-01	7.71E-04	3.34E-04
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2	2020	25	0.5	3.02E-02	7.31E-03	6.71E-02	1.73E-05	0.00E+00	6.35E-05	6.35E-05	0.00E+00	5.84E-05	5.84E-05	1.75E+00	1.93E-03	8.35E-04
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities	2020	25	0.5	3.02E-02	7.31E-03	6.71E-02	1.73E-05	0.00E+00	6.35E-05	6.35E-05	0.00E+00	5.84E-05	5.84E-05	1.75E+00	1.93E-03	8.35E-04
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2	2020	15	0.5	1.81E-02	4.38E-03	4.02E-02	1.04E-05	0.00E+00	3.81E-05	3.81E-05	0.00E+00	3.50E-05	3.50E-05	1.05E+00	1.16E-03	5.01E-04
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities -	2020	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscapir	2020	10	0.5	1.21E-02	2.92E-03	2.68E-02	6.92E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.34E-05	2.34E-05	7.00E-01	7.71E-04	3.34E-04
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	0.5	3.02E-02	7.31E-03	6.71E-02	1.73E-05	0.00E+00	6.35E-05	6.35E-05	0.00E+00	5.84E-05	5.84E-05	1.75E+00	1.93E-03	8.35E-04
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Appr	2020	10	0.5	1.21E-02	2.92E-03	2.68E-02	6.92E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.34E-05	2.34E-05	7.00E-01	7.71E-04	3.34E-04
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	0.5	5.58E-02	1.34E-02	1.30E-01	3.36E-05	0.00E+00	1.19E-04	1.19E-04	0.00E+00	1.10E-04	1.10E-04	3.39E+00	3.54E-03	1.59E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	0.5	1.67E-02	4.03E-03	3.89E-02	1.01E-05	0.00E+00	3.58E-05	3.58E-05	0.00E+00	3.29E-05	3.29E-05	1.02E+00	1.06E-03	4.78E-04
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	0.5	4.46E-02	1.07E-02	1.04E-01	2.69E-05	0.00E+00	9.54E-05	9.54E-05	0.00E+00	8.77E-05	8.77E-05	2.71E+00	2.83E-03	1.27E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	0.5	2.79E-02	6.71E-03	6.48E-02	1.68E-05	0.00E+00	5.96E-05	5.96E-05	0.00E+00	5.48E-05	5.48E-05	1.70E+00	1.77E-03	7.96E-04
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 202	2021	25	0.5	2.79E-02	6.71E-03	6.48E-02	1.68E-05	0.00E+00	5.96E-05	5.96E-05	0.00E+00	5.48E-05	5.48E-05	1.70E+00	1.77E-03	7.96E-04
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	0.5	1.67E-02	4.03E-03	3.89E-02	1.01E-05	0.00E+00	3.58E-05	3.58E-05	0.00E+00	3.29E-05	3.29E-05	1.02E+00	1.06E-03	4.78E-04
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 202	2021	10	0.5	1.12E-02	2.68E-03	2.59E-02	6.71E-06	0.00E+00	2.38E-05	2.38E-05	0.00E+00	2.19E-05	2.19E-05	6.78E-01	7.08E-04	3.18E-04
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	0.5	1.12E-02	2.68E-03	2.59E-02	6.71E-06	0.00E+00	2.38E-05	2.38E-05	0.00E+00	2.19E-05	2.19E-05	6.78E-01	7.08E-04	3.18E-04
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches	2021	10	0.5	1.12E-02	2.68E-03	2.59E-02	6.71E-06	0.00E+00	2.38E-05	2.38E-05	0.00E+00	2.19E-05	2.19E-05	6.78E-01	7.08E-04	3.18E-04
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	0.5	2.79E-02	6.71E-03	6.48E-02	1.68E-05	0.00E+00	5.96E-05	5.96E-05	0.00E+00	5.48E-05	5.48E-05	1.70E+00	1.77E-03	7.96E-04
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2	2022	50	0.5	5.18E-02	1.24E-02	1.25E-01	3.25E-05	0.00E+00	1.12E-04	1.12E-04	0.00E+00	1.03E-04	1.03E-04	3.29E+00	3.26E-03	1.52E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 202	2022	12.5	0.5	1.29E-02	3.09E-03	3.13E-02	8.13E-06	0.00E+00	2.81E-05	2.81E-05	0.00E+00	2.58E-05	2.58E-05	8.22E-01	8.15E-04	3.79E-04
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	0.5	2.59E-02	6.18E-03	6.26E-02	1.63E-05	0.00E+00	5.62E-05	5.62E-05	0.00E+00	5.17E-05	5.17E-05	1.64E+00	1.63E-03	7.59E-04
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete -	2022	37.5	0.5	3.88E-02	9.27E-03	9.39E-02	2.44E-05	0.00E+00	8.43E-05	8.43E-05	0.00E+00	7.75E-05	7.75E-05	2.46E+00	2.45E-03	1.14E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilitie	2022	25	0.5	2.59E-02	6.18E-03	6.26E-02	1.63E-05	0.00E+00	5.62E-05	5.62E-05	0.00E+00	5.17E-05	5.17E-05	1.64E+00	1.63E-03	7.59E-04
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical -	2022	15	0.5	1.55E-02	3.71E-03	3.76E-02	9.76E-06	0.00E+00	3.37E-05	3.37E-05	0.00E+00	3.10E-05	3.10E-05	9.86E-01	9.78E-04	4.55E-04
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscapir	2022	17.5	0.5	1.81E-02	4.33E-03	4.38E-02	1.14E-05	0.00E+00	3.93E-05	3.93E-05	0.00E+00	3.62E-05	3.62E-05	1.15E+00	1.14E-03	5.31E-04
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	0.5	2.59E-02	6.18E-03	6.26E-02	1.63E-05	0.00E+00	5.62E-05	5.62E-05	0.00E+00	5.17E-05	5.17E-05	1.64E+00	1.63E-03	7.59E-04
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities	2022	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Appr	2022	12.5	0.5	1.29E-02	3.09E-03	3.13E-02	8.13E-06	0.00E+00	2.81E-05	2.81E-05	0.00E+00	2.58E-05	2.58E-05	8.22E-01	8.15E-04	3.79E-04
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	0.5	1.81E-02	4.33E-03	4.38E-02	1.14E-05	0.00E+00	3.93E-05	3.93E-05	0.00E+00	3.62E-05	3.62E-05	1.15E+00	1.14E-03	5.31E-04
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	0.5	4.83E-02	1.14E-02	1.21E-01	3.15E-05	0.00E+00	1.07E-04	1.07E-04	0.00E+00	9.79E-05	9.79E-05	3.18E+00	3.00E-03	1.45E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	0.5	9.65E-03	2.29E-03	2.42E-02	6.30E-06	0.00E+00	2.13E-05	2.13E-05	0.00E+00	1.96E-05	1.96E-05	6.36E-01	6.01E-04	2.89E-04
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	0.5	9.65E-03	2.29E-03	2.42E-02	6.30E-06	0.00E+00	2.13E-05	2.13E-05	0.00E+00	1.96E-05	1.96E-05	6.36E-01	6.01E-04	2.89E-04
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	0.5	4.83E-02	1.14E-02	1.21E-01	3.15E-05	0.00E+00	1.07E-04	1.07E-04	0.00E+00	9.79E-05	9.79E-05	3.18E+00	3.00E-03	1.45E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 202	2023	25	0.5	2.41E-02	5.71E-03	6.05E-02	1.57E-05	0.00E+00	5.33E-05	5.33E-05	0.00E+00	4.90E-05	4.90E-05	1.59E+00	1.50E-03	7.23E-04
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	0.5	1.45E-02	3.43E-03	3.63E-02	9.44E-06	0.00E+00	3.20E-05	3.20E-05	0.00E+00	2.94E-05	2.94E-05	9.54E-01	9.01E-04	4.34E-04
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 202	2023	25	0.5	2.41E-02	5.71E-03	6.05E-02	1.57E-05	0.00E+00	5.33E-05	5.33E-05	0.00E+00	4.90E-05	4.90E-05	1.59E+00	1.50E-03	7.23E-04
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	0.5	3.86E-02	9.14E-03	9.67E-02	2.52E-05	0.00E+00	8.52E-05	8.52E-05	0.00E+00	7.84E-05	7.84E-05	2.54E+00	2.40E-03	1.16E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches	2023	15	0.5	1.45E-02	3.43E-03	3.63E-02	9.44E-06	0.00E+00	3.20E-05	3.20E-05	0.00E+00	2.94E-05	2.94E-05	9.54E-01	9.01E-04	4.34E-04
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	0.5	9.65E-03	2.29E-03	2.42E-02	6.30E-06	0.00E+00	2.13E-05	2.13E-05	0.00E+00	1.96E-05	1.96E-05	6.36E-01	6.01E-04	2.89E-04
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavatic	2024	50	0.5	4.51E-02	1.06E-02	1.17E-01	3.04E-05	0.00E+00	1.02E-04	1.02E-04	0.00E+00	9.34E-05	9.34E-05	3.08E+00	2.77E-03	1.38E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading	2024	25	0.5	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	0.5	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concr	2024	37.5	0.5	3.38E-02	7.95E-03	8.74E-02	2.28E-05	0.00E+00	7.61E-05	7.61E-05	0.00E+00	7.00E-05	7.00E-05	2.31E+00	2.08E-03	1.03E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet U	2024	25	0.5	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electr	2024	15	0.5	1.35E-02	3.18E-03	3.50E-02	9.13E-06	0.00E+00	3.05E-05	3.05E-05	0.00E+00	2.80E-05	2.80E-05	9.23E-01	8.30E-04	4.13E-04
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Lands	2024	17.5	0.5	1.58E-02	3.71E-03	4.08E-02	1.07E-05	0.00E+00	3.55E-05	3.55E-05	0.00E+00	3.27E-05	3.27E-05	1.08E+00	9.69E-04	4.82E-04
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2	2024	12.5	0.5	1.13E-02	2.65E-03	2.91E-02	7.61E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.33E-05	2.33E-05	7.69E-01	6.92E-04	3.44E-04
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2	2024	25	0.5	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Uti	2024	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive	2024	10	0.5	9.02E-03	2.12E-03	2.33E-02	6.09E-06	0.00E+00	2.03E-05	2.03E-05	0.00E+00	1.87E-05	1.87E-05	6.15E-01	5.54E-04	2.75E-04
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	0.5	1.58E-02	3.71E-03	4.08E-02	1.07E-05	0.00E+00	3.55E-05	3.55E-05	0.00E+00	3.27E-05	3.27E-05	1.08E+00	9.69E-04	4.82E-04

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
						MT/yr			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 20	2020	50	0.5	262	4.16E-01	4.58E-04	1.98E-04	4.86E-01
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	0.5	262	1.25E-01	1.37E-04	5.95E-05	1.46E-01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	0.5	262	3.33E-01	3.66E-04	1.59E-04	3.89E-01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	0.5	262	8.31E-02	9.16E-05	3.97E-05	9.73E-02
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2	2020	25	0.5	262	2.08E-01	2.29E-04	9.92E-05	2.43E-01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities	2020	25	0.5	262	2.08E-01	2.29E-04	9.92E-05	2.43E-01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2	2020	15	0.5	262	1.25E-01	1.37E-04	5.95E-05	1.46E-01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities -	2020	0	0.5	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscapir	2020	10	0.5	262	8.31E-02	9.16E-05	3.97E-05	9.73E-02
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	0.5	262	2.08E-01	2.29E-04	9.92E-05	2.43E-01
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Appr	2020	10	0.5	262	8.31E-02	9.16E-05	3.97E-05	9.73E-02
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	0.5	261	4.02E-01	4.19E-04	1.88E-04	4.68E-01
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	0.5	261	1.20E-01	1.26E-04	5.65E-05	1.40E-01
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	0.5	261	3.21E-01	3.35E-04	1.51E-04	3.75E-01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	0.5	261	2.01E-01	2.10E-04	9.42E-05	2.34E-01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 202	2021	25	0.5	261	2.01E-01	2.10E-04	9.42E-05	2.34E-01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	0.5	261	1.20E-01	1.26E-04	5.65E-05	1.40E-01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 202	2021	10	0.5	261	8.03E-02	8.39E-05	3.77E-05	9.36E-02
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	0.5	261	8.03E-02	8.39E-05	3.77E-05	9.36E-02
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches	2021	10	0.5	261	8.03E-02	8.39E-05	3.77E-05	9.36E-02
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	0.5	261	2.01E-01	2.10E-04	9.42E-05	2.34E-01
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2	2022	50	0.5	260	3.88E-01	3.85E-04	1.79E-04	4.50E-01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 202	2022	12.5	0.5	260	9.69E-02	9.61E-05	4.47E-05	1.13E-01
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	0.5	260	1.94E-01	1.92E-04	8.95E-05	2.25E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete -	2022	37.5	0.5	260	2.91E-01	2.88E-04	1.34E-04	3.38E-01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utiliti	2022	25	0.5	260	1.94E-01	1.92E-04	8.95E-05	2.25E-01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical -	2022	15	0.5	260	1.16E-01	1.15E-04	5.37E-05	1.35E-01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscapir	2022	17.5	0.5	260	1.36E-01	1.35E-04	6.26E-05	1.58E-01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	0.5	260	1.94E-01	1.92E-04	8.95E-05	2.25E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities	2022	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Appr	2022	12.5	0.5	260	9.69E-02	9.61E-05	4.47E-05	1.13E-01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	0.5	260	1.36E-01	1.35E-04	6.26E-05	1.58E-01
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	0.5	260	3.75E-01	3.54E-04	1.71E-04	4.35E-01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	0.5	260	7.50E-02	7.09E-05	3.41E-05	8.70E-02
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	0.5	260	7.50E-02	7.09E-05	3.41E-05	8.70E-02
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	0.5	260	3.75E-01	3.54E-04	1.71E-04	4.35E-01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 202	2023	25	0.5	260	1.88E-01	1.77E-04	8.53E-05	2.17E-01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	0.5	260	1.13E-01	1.06E-04	5.12E-05	1.30E-01
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 202	2023	25	0.5	260	1.88E-01	1.77E-04	8.53E-05	2.17E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	0.5	260	3.00E-01	2.83E-04	1.36E-04	3.48E-01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches	2023	15	0.5	260	1.13E-01	1.06E-04	5.12E-05	1.30E-01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	0.5	260	7.50E-02	7.09E-05	3.41E-05	8.70E-02
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavatic	2024	50	0.5	262	3.66E-01	3.29E-04	1.64E-04	4.23E-01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading	2024	25	0.5	262	1.83E-01	1.64E-04	8.18E-05	2.11E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	0.5	262	1.83E-01	1.64E-04	8.18E-05	2.11E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concr	2024	37.5	0.5	262	2.74E-01	2.47E-04	1.23E-04	3.17E-01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet U	2024	25	0.5	262	1.83E-01	1.64E-04	8.18E-05	2.11E-01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electr	2024	15	0.5	262	1.10E-01	9.87E-05	4.91E-05	1.27E-01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Lands	2024	17.5	0.5	262	1.28E-01	1.15E-04	5.73E-05	1.48E-01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2	2024	12.5	0.5	262	9.14E-02	8.22E-05	4.09E-05	1.06E-01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2	2024	25	0.5	262	1.83E-01	1.64E-04	8.18E-05	2.11E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Uti	2024	0	0.5	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive	2024	10	0.5	262	7.31E-02	6.58E-05	3.27E-05	8.45E-02
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	0.5	262	1.28E-01	1.15E-04	5.73E-05	1.48E-01

						Vendor Running Emission Factors												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission Factor (g/mile)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	0.5	15	1.35E-03	3.44E-02	7.29E-03	1.21E-04	1.87E+00	1.20E-03	1.88E+00	1.87E-01	6.51E-04	1.88E-01	1.29E+01	4.40E-04	1.86E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	0.5	15	3.01E-04	7.64E-03	1.62E-03	2.68E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	1.45E-04	4.17E-02	2.88E+00	9.77E-05	4.13E-04
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	0.5	15	3.76E-03	9.55E-02	2.02E-02	3.35E-04	5.21E+00	3.32E-03	5.21E+00	5.20E-01	1.81E-03	5.22E-01	3.60E+01	1.22E-03	5.17E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	0.5	15	9.02E-04	2.29E-02	4.86E-03	8.04E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	4.34E-04	1.25E-01	8.63E+00	2.93E-04	1.24E-03
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	0.5	15	3.01E-04	7.64E-03	1.62E-03	2.68E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	1.45E-04	4.17E-02	2.88E+00	9.77E-05	4.13E-04
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	0.5	15	2.26E-03	5.73E-02	1.21E-02	2.01E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	1.08E-03	3.13E-01	2.16E+01	7.33E-04	3.10E-03
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	0.5	15	9.02E-04	2.29E-02	4.86E-03	8.04E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	4.34E-04	1.25E-01	8.63E+00	2.93E-04	1.24E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	0.5	15	1.05E-03	2.67E-02	5.67E-03	9.38E-05	1.46E+00	9.30E-04	1.46E+00	1.46E-01	5.06E-04	1.46E-01	1.01E+01	3.42E-04	1.45E-03
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	0.5	15	9.02E-04	2.29E-02	4.86E-03	8.04E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	4.34E-04	1.25E-01	8.63E+00	2.93E-04	1.24E-03
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	0.5	15	6.01E-04	1.53E-02	3.24E-03	5.36E-05	8.33E-01	5.31E-04	8.33E-01	8.32E-02	2.89E-04	8.35E-02	5.75E+00	1.95E-04	8.27E-04
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	0.5	15	1.10E-03	3.01E-02	6.29E-03	1.18E-04	1.87E+00	1.20E-03	1.88E+00	1.87E-01	5.39E-04	1.88E-01	1.27E+01	4.31E-04	1.82E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	0.5	15	2.44E-04	6.70E-03	1.40E-03	2.62E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	1.20E-04	4.17E-02	2.82E+00	9.59E-05	4.05E-04
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	0.5	15	3.05E-03	8.37E-02	1.75E-02	3.28E-04	5.21E+00	3.32E-03	5.21E+00	5.20E-01	1.50E-03	5.21E-01	3.52E+01	1.20E-03	5.07E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	0.5	15	2.44E-04	6.70E-03	1.40E-03	2.62E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	1.20E-04	4.17E-02	2.82E+00	9.59E-05	4.05E-04
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	0.5	15	2.44E-04	6.70E-03	1.40E-03	2.62E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	1.20E-04	4.17E-02	2.82E+00	9.59E-05	4.05E-04
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	0.5	15	7.33E-04	2.01E-02	4.20E-03	7.87E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	3.59E-04	1.25E-01	8.46E+00	2.88E-04	1.22E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	0.5	15	8.55E-04	2.34E-02	4.89E-03	9.18E-05	1.46E+00	9.30E-04	1.46E+00	1.46E-01	4.19E-04	1.46E-01	9.86E+00	3.36E-04	1.42E-03
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	0.5	15	7.33E-04	2.01E-02	4.20E-03	7.87E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	3.59E-04	1.25E-01	8.46E+00	2.88E-04	1.22E-03
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	0.5	15	4.89E-04	1.34E-02	2.80E-03	5.25E-05	8.33E-01	5.31E-04	8.33E-01	8.32E-02	2.39E-04	8.34E-02	5.64E+00	1.92E-04	8.11E-04
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	0.5	15	7.33E-04	2.01E-02	4.20E-03	7.87E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	3.59E-04	1.25E-01	8.46E+00	2.88E-04	1.22E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	0.5	15	8.52E-04	3.21E-02	6.18E-03	1.53E-04	2.50E+00	1.59E-03	2.50E+00	2.50E-01	3.95E-04	2.50E-01	1.64E+01	5.49E-04	2.36E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	0.5	15	3.19E-04	1.20E-02	2.32E-03	5.72E-05	9.37E-01	5.98E-04	9.38E-01	9.36E-02	1.48E-04	9.37E-02	6.16E+00	2.06E-04	8.85E-04
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	0.5	15	1.03E-03	3.88E-02	7.47E-03	1.84E-04	3.02E+00	1.93E-03	3.02E+00	3.02E-01	4.77E-04	3.02E-01	1.98E+01	6.64E-04	2.85E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	0.5	15	6.03E-04	2.27E-02	4.38E-03	1.08E-04	1.77E+00	1.13E-03	1.77E+00	1.77E-01	2.80E-04	1.77E-01	1.16E+01	3.89E-04	1.67E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	0.5	15	1.06E-03	4.01E-02	7.73E-03	1.91E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	4.94E-04	3.12E-01	2.05E+01	6.87E-04	2.95E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	0.5	15	4.26E-04	1.60E-02	3.09E-03	7.63E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	1.98E-04	1.25E-01	8.21E+00	2.75E-04	1.18E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	0.5	15	3.19E-04	1.20E-02	2.32E-03	5.72E-05	9.37E-01	5.98E-04	9.38E-01	9.36E-02	1.48E-04	9.37E-02	6.16E+00	2.06E-04	8.85E-04
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	0.5	15	1.10E-03	4.15E-02	7.99E-03	1.97E-04	3.23E+00	2.06E-03	3.23E+00	3.22E-01	5.10E-04	3.23E-01	2.12E+01	7.10E-04	3.05E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	0.5	15	3.55E-04	1.34E-02	2.58E-03	6.36E-05	1.04E+00	6.64E-04	1.04E+00	1.04E-01	1.65E-04	1.04E-01	6.84E+00	2.29E-04	9.84E-04
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	0.5	15	4.26E-04	1.60E-02	3.09E-03	7.63E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	1.98E-04	1.25E-01	8.21E+00	2.75E-04	1.18E-03
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	0.5	15	3.06E-04	2.87E-02	5.40E-03	1.82E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.13E-04	3.12E-01	1.96E+01	6.54E-04	2.81E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	0.5	15	1.43E-04	1.34E-02	2.52E-03	8.47E-05	1.46E+00	9.30E-04	1.46E+00	1.46E-01	9.95E-05	1.46E-01	9.13E+00	3.05E-04	1.31E-03
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	0.5	15	8.16E-05	7.66E-03	1.44E-03	4.84E-05	8.33E-01	5.31E-04	8.33E-01	8.32E-02	5.69E-05	8.33E-02	5.22E+00	1.74E-04	7.49E-04
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	0.5	15	3.06E-04	2.87E-02	5.40E-03	1.82E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.13E-04	3.12E-01	1.96E+01	6.54E-04	2.81E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	0.5	15	3.06E-04	2.87E-02	5.40E-03	1.82E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.13E-04	3.12E-01	1.96E+01	6.54E-04	2.81E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	0.5	15	1.22E-04	1.15E-02	2.16E-03	7.26E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.53E-05	1.25E-01	7.82E+00	2.62E-04	1.12E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	0.5	15	4.08E-05	3.83E-03	7.20E-04	2.42E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.84E-05	4.16E-02	2.61E+00	8.72E-05	3.74E-04
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	0.5	15	5.10E-04	4.79E-02	9.00E-03	3.03E-04	5.21E+00	3.32E-03	5.21E+00	5.20E-01	3.55E-04	5.20E-01	3.26E+01	1.09E-03	4.68E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	0.5	15	1.22E-04	1.15E-02	2.16E-03	7.26E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.53E-05	1.25E-01	7.82E+00	2.62E-04	1.12E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	0.5	15	1.22E-04	1.15E-02	2.16E-03	7.26E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.53E-05	1.25E-01	7.82E+00	2.62E-04	1.12E-03
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	0.5	15	2.26E-04	2.22E-02	4.03E-03	1.37E-04	2.39E+00	1.53E-03	2.40E+00	2.39E-01	1.64E-04	2.39E-01	1.48E+01	5.02E-04	2.13E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	0.5	15	2.85E-04	2.80E-02	5.09E-03	1.73E-04	3.02E+00	1.93E-03	3.02E+00	3.02E-01	2.07E-04	3.02E-01	1.86E+01	6.33E-04	2.68E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	0.5	15	2.85E-04	2.80E-02	5.09E-03	1.73E-04	3.02E+00	1.93E-03	3.02E+00	3.02E-01	2.07E-04	3.02E-01	1.86E+01	6.33E-04	2.68E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	0.5	15	1.67E-04	1.64E-02	2.98E-03	1.01E-04	1.77E+00	1.13E-03	1.77E+00	1.77E-01	1.21E-04	1.77E-01	1.09E+01	3.71E-04	1.57E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	0.5	15	2.95E-04	2.90E-02	5.26E-03	1.79E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.14E-04	3.12E-01	1.93E+01	6.55E-04	2.77E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	0.5	15	1.18E-04	1.16E-02	2.11E-03	7.15E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.56E-05	1.25E-01	7.71E+00	2.62E-04	1.11E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	0.5	15	8.85E-05	8.69E-03	1.58E-03	5.36E-05	9.37E-01	5.98E-04	9.38E-01	9.36E-02	6.42E-05	9.37E-02	5.78E+00	1.96E-04	8.32E-04
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	0.5	15	3.94E-05	3.86E-03	7.02E-04	2.38E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.85E-05	4.16E-02	2.57E+00	8.73E-05	3.70E-04
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	0.5	15	3.05E-04	2.99E-02	5.44E-03	1.85E-04	3.23E+00	2.06E-03	3.23E+00	3.22E-01	2.21E-04	3.23E-01	1.99E+01	6.77E-04	2.86E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	0.5	15	1.08E-04	1.06E-02	1.93E-03	6.56E-05	1.15E+00	7.31E-04	1.15E+00	1.14E-01	7.84E-05	1.14E-01	7.07E+00	2.40E-04	1.02E-03
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	0.5	15	1.18E-04	1.16E-02	2.11E-03	7.15E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.56E-05	1.25E-01	7.71E+00	2.62E-04	1.11E-03

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
							MT/year			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	0.5	15	262	1.54E+00	5.23E-05	2.21E-04	1.61E+00
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	0.5	15	262	3.42E-01	1.16E-05	4.91E-05	3.57E-01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	0.5	15	262	4.27E+00	1.45E-04	6.14E-04	4.46E+00
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	0.5	15	262	1.03E+00	3.48E-05	1.47E-04	1.07E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	0.5	15	262	3.42E-01	1.16E-05	4.91E-05	3.57E-01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	0.5	15	262	2.56E+00	8.71E-05	3.69E-04	2.68E+00
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	0.5	15	262	1.03E+00	3.48E-05	1.47E-04	1.07E+00
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	15	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	0.5	15	262	1.20E+00	4.07E-05	1.72E-04	1.25E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	0.5	15	262	1.03E+00	3.48E-05	1.47E-04	1.07E+00
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	0.5	15	262	6.84E-01	2.32E-05	9.83E-05	7.14E-01
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	0.5	15	261	1.50E+00	5.11E-05	2.16E-04	1.57E+00
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	0.5	15	261	3.34E-01	1.14E-05	4.80E-05	3.48E-01
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	0.5	15	261	4.17E+00	1.42E-04	6.00E-04	4.35E+00
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	0.5	15	261	3.34E-01	1.14E-05	4.80E-05	3.48E-01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	0.5	15	261	3.34E-01	1.14E-05	4.80E-05	3.48E-01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	0.5	15	261	1.00E+00	3.41E-05	1.44E-04	1.04E+00
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	0.5	15	261	1.17E+00	3.97E-05	1.68E-04	1.22E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	0.5	15	261	1.00E+00	3.41E-05	1.44E-04	1.04E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	0.5	15	261	6.67E-01	2.27E-05	9.60E-05	6.97E-01
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	0.5	15	261	1.00E+00	3.41E-05	1.44E-04	1.04E+00
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	0.5	15	260	1.94E+00	6.48E-05	2.78E-04	2.02E+00
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	0.5	15	260	7.26E-01	2.43E-05	1.04E-04	7.58E-01
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	0.5	15	260	2.34E+00	7.83E-05	3.36E-04	2.44E+00
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	0.5	15	260	1.37E+00	4.59E-05	1.97E-04	1.43E+00
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	0.5	15	260	2.42E+00	8.10E-05	3.48E-04	2.53E+00
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	0.5	15	260	9.68E-01	3.24E-05	1.39E-04	1.01E+00
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	0.5	15	260	7.26E-01	2.43E-05	1.04E-04	7.58E-01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	0.5	15	260	2.50E+00	8.37E-05	3.60E-04	2.61E+00
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	0.5	15	260	8.07E-01	2.70E-05	1.16E-04	8.42E-01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	0.5	15	260	9.68E-01	3.24E-05	1.39E-04	1.01E+00
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	0.5	15	260	2.31E+00	7.71E-05	3.31E-04	2.41E+00
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	0.5	15	260	1.08E+00	3.60E-05	1.55E-04	1.12E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	0.5	15	260	6.15E-01	2.06E-05	8.83E-05	6.42E-01
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	0.5	15	260	2.31E+00	7.71E-05	3.31E-04	2.41E+00
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	0.5	15	260	2.31E+00	7.71E-05	3.31E-04	2.41E+00
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	0.5	15	260	9.23E-01	3.09E-05	1.32E-04	9.63E-01
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	0.5	15	260	3.08E-01	1.03E-05	4.42E-05	3.21E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	0.5	15	260	3.84E+00	1.29E-04	5.52E-04	4.01E+00
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	0.5	15	260	9.23E-01	3.09E-05	1.32E-04	9.63E-01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	0.5	15	260	9.23E-01	3.09E-05	1.32E-04	9.63E-01
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	0.5	15	262	1.76E+00	5.97E-05	2.53E-04	1.83E+00
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	0.5	15	262	2.21E+00	7.52E-05	3.18E-04	2.31E+00
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	0.5	15	262	2.21E+00	7.52E-05	3.18E-04	2.31E+00
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	0.5	15	262	1.30E+00	4.41E-05	1.87E-04	1.35E+00
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	0.5	15	262	2.29E+00	7.78E-05	3.29E-04	2.39E+00
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	0.5	15	262	9.16E-01	3.11E-05	1.32E-04	9.56E-01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	0.5	15	262	6.87E-01	2.33E-05	9.88E-05	7.17E-01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	0.5	15	262	3.05E-01	1.04E-05	4.39E-05	3.19E-01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	0.5	15	262	2.37E+00	8.04E-05	3.40E-04	2.47E+00
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	15	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	0.5	15	262	8.40E-01	2.85E-05	1.21E-04	8.77E-01
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	0.5	15	262	9.16E-01	3.11E-05	1.32E-04	9.56E-01

Vendor Starting/Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/trip)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	0.5	15	1.14E-03	1.40E-02	7.10E-03	5.85E-07	0.00E+00	6.74E-07	6.74E-07	0.00E+00	6.20E-07	6.20E-07	5.91E-02	6.03E-05	4.26E-05
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	0.5	15	2.54E-04	3.11E-03	1.58E-03	1.30E-07	0.00E+00	1.50E-07	1.50E-07	0.00E+00	1.38E-07	1.38E-07	1.31E-02	1.34E-05	9.47E-06
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	0.5	15	3.17E-03	3.88E-02	1.97E-02	1.63E-06	0.00E+00	1.87E-06	1.87E-06	0.00E+00	1.72E-06	1.72E-06	1.64E-01	1.67E-04	1.18E-04
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	0.5	15	7.62E-04	9.32E-03	4.74E-03	3.90E-07	0.00E+00	4.49E-07	4.49E-07	0.00E+00	4.13E-07	4.13E-07	3.94E-02	4.02E-05	2.84E-05
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	0.5	15	2.54E-04	3.11E-03	1.58E-03	1.30E-07	0.00E+00	1.50E-07	1.50E-07	0.00E+00	1.38E-07	1.38E-07	1.31E-02	1.34E-05	9.47E-06
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	0.5	15	1.90E-03	2.33E-02	1.18E-02	9.75E-07	0.00E+00	1.12E-06	1.12E-06	0.00E+00	1.03E-06	1.03E-06	9.85E-02	1.00E-04	7.10E-05
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	0.5	15	7.62E-04	9.32E-03	4.74E-03	3.90E-07	0.00E+00	4.49E-07	4.49E-07	0.00E+00	4.13E-07	4.13E-07	3.94E-02	4.02E-05	2.84E-05
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	0.5	15	8.89E-04	1.09E-02	5.53E-03	4.55E-07	0.00E+00	5.24E-07	5.24E-07	0.00E+00	4.82E-07	4.82E-07	4.60E-02	4.69E-05	3.31E-05
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	0.5	15	7.62E-04	9.32E-03	4.74E-03	3.90E-07	0.00E+00	4.49E-07	4.49E-07	0.00E+00	4.13E-07	4.13E-07	3.94E-02	4.02E-05	2.84E-05
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	0.5	15	5.08E-04	6.22E-03	3.16E-03	2.60E-07	0.00E+00	3.00E-07	3.00E-07	0.00E+00	2.75E-07	2.75E-07	2.63E-02	2.68E-05	1.89E-05
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	0.5	15	1.07E-03	1.51E-02	6.67E-03	5.67E-07	0.00E+00	6.33E-07	6.33E-07	0.00E+00	5.82E-07	5.82E-07	5.73E-02	5.76E-05	4.22E-05
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	0.5	15	2.38E-04	3.36E-03	1.48E-03	1.26E-07	0.00E+00	1.41E-07	1.41E-07	0.00E+00	1.29E-07	1.29E-07	1.27E-02	1.28E-05	9.38E-06
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	0.5	15	2.98E-03	4.20E-02	1.85E-02	1.58E-06	0.00E+00	1.76E-06	1.76E-06	0.00E+00	1.62E-06	1.62E-06	1.59E-01	1.60E-04	1.17E-04
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	0.5	15	2.38E-04	3.36E-03	1.48E-03	1.26E-07	0.00E+00	1.41E-07	1.41E-07	0.00E+00	1.29E-07	1.29E-07	1.27E-02	1.28E-05	9.38E-06
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	0.5	15	2.38E-04	3.36E-03	1.48E-03	1.26E-07	0.00E+00	1.41E-07	1.41E-07	0.00E+00	1.29E-07	1.29E-07	1.27E-02	1.28E-05	9.38E-06
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	0.5	15	7.15E-04	1.01E-02	4.44E-03	3.78E-07	0.00E+00	4.22E-07	4.22E-07	0.00E+00	3.88E-07	3.88E-07	3.82E-02	3.84E-05	2.81E-05
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	0.5	15	8.34E-04	1.18E-02	5.19E-03	4.41E-07	0.00E+00	4.92E-07	4.92E-07	0.00E+00	4.53E-07	4.53E-07	4.46E-02	4.48E-05	3.28E-05
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	0.5	15	7.15E-04	1.01E-02	4.44E-03	3.78E-07	0.00E+00	4.22E-07	4.22E-07	0.00E+00	3.88E-07	3.88E-07	3.82E-02	3.84E-05	2.81E-05
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	0.5	15	4.77E-04	6.72E-03	2.96E-03	2.52E-07	0.00E+00	2.81E-07	2.81E-07	0.00E+00	2.59E-07	2.59E-07	2.55E-02	2.56E-05	1.88E-05
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	0.5	15	7.15E-04	1.01E-02	4.44E-03	3.78E-07	0.00E+00	4.22E-07	4.22E-07	0.00E+00	3.88E-07	3.88E-07	3.82E-02	3.84E-05	2.81E-05
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	0.5	15	1.36E-03	2.27E-02	8.44E-03	7.42E-07	0.00E+00	8.10E-07	8.10E-07	0.00E+00	7.45E-07	7.45E-07	7.50E-02	7.43E-05	5.63E-05
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	0.5	15	5.10E-04	8.49E-03	3.16E-03	2.78E-07	0.00E+00	3.04E-07	3.04E-07	0.00E+00	2.79E-07	2.79E-07	2.81E-02	2.79E-05	2.11E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	0.5	15	1.64E-03	2.74E-02	1.02E-02	8.96E-07	0.00E+00	9.79E-07	9.79E-07	0.00E+00	9.00E-07	9.00E-07	9.06E-02	8.98E-05	6.80E-05
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	0.5	15	9.64E-04	1.60E-02	5.98E-03	5.26E-07	0.00E+00	5.74E-07	5.74E-07	0.00E+00	5.28E-07	5.28E-07	5.31E-02	5.26E-05	3.99E-05
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	0.5	15	1.70E-03	2.83E-02	1.05E-02	9.27E-07	0.00E+00	1.01E-06	1.01E-06	0.00E+00	9.31E-07	9.31E-07	9.37E-02	9.29E-05	7.04E-05
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	0.5	15	6.80E-04	1.13E-02	4.22E-03	3.71E-07	0.00E+00	4.05E-07	4.05E-07	0.00E+00	3.73E-07	3.73E-07	3.75E-02	3.71E-05	2.81E-05
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	0.5	15	5.10E-04	8.49E-03	3.16E-03	2.78E-07	0.00E+00	3.04E-07	3.04E-07	0.00E+00	2.79E-07	2.79E-07	2.81E-02	2.79E-05	2.11E-05
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	0.5	15	1.76E-03	2.93E-02	1.09E-02	9.58E-07	0.00E+00	1.05E-06	1.05E-06	0.00E+00	9.62E-07	9.62E-07	9.68E-02	9.60E-05	7.27E-05
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	0.5	15	5.67E-04	9.44E-03	3.51E-03	3.09E-07	0.00E+00	3.38E-07	3.38E-07	0.00E+00	3.10E-07	3.10E-07	3.12E-02	3.10E-05	2.35E-05
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	0.5	15	6.80E-04	1.13E-02	4.22E-03	3.71E-07	0.00E+00	4.05E-07	4.05E-07	0.00E+00	3.73E-07	3.73E-07	3.75E-02	3.71E-05	2.81E-05
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	0.5	15	1.64E-03	3.31E-02	1.02E-02	9.22E-07	0.00E+00	9.95E-07	9.95E-07	0.00E+00	9.15E-07	9.15E-07	9.31E-02	9.10E-05	7.13E-05
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	0.5	15	7.68E-04	1.54E-02	4.74E-03	4.30E-07	0.00E+00	4.64E-07	4.64E-07	0.00E+00	4.27E-07	4.27E-07	4.35E-02	4.25E-05	3.33E-05
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	0.5	15	4.39E-04	8.81E-03	2.71E-03	2.46E-07	0.00E+00	2.65E-07	2.65E-07	0.00E+00	2.44E-07	2.44E-07	2.48E-02	2.43E-05	1.90E-05
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	0.5	15	1.64E-03	3.31E-02	1.02E-02	9.22E-07	0.00E+00	9.95E-07	9.95E-07	0.00E+00	9.15E-07	9.15E-07	9.31E-02	9.10E-05	7.13E-05
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	0.5	15	1.64E-03	3.31E-02	1.02E-02	9.22E-07	0.00E+00	9.95E-07	9.95E-07	0.00E+00	9.15E-07	9.15E-07	9.31E-02	9.10E-05	7.13E-05
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	0.5	15	6.58E-04	1.32E-02	4.07E-03	3.69E-07	0.00E+00	3.98E-07	3.98E-07	0.00E+00	3.66E-07	3.66E-07	3.73E-02	3.64E-05	2.85E-05
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	0.5	15	2.19E-04	4.41E-03	1.36E-03	1.23E-07	0.00E+00	1.33E-07	1.33E-07	0.00E+00	1.22E-07	1.22E-07	1.24E-02	1.21E-05	9.50E-06
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	0.5	15	2.74E-03	5.51E-02	1.69E-02	1.54E-06	0.00E+00	1.66E-06	1.66E-06	0.00E+00	1.52E-06	1.52E-06	1.55E-01	1.52E-04	1.19E-04
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	0.5	15	6.58E-04	1.32E-02	4.07E-03	3.69E-07	0.00E+00	3.98E-07	3.98E-07	0.00E+00	3.66E-07	3.66E-07	3.73E-02	3.64E-05	2.85E-05
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	0.5	15	6.58E-04	1.32E-02	4.07E-03	3.69E-07	0.00E+00	3.98E-07	3.98E-07	0.00E+00	3.66E-07	3.66E-07	3.73E-02	3.64E-05	2.85E-05
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	0.5	15	1.18E-03	2.54E-02	7.23E-03	6.74E-07	0.00E+00	7.26E-07	7.26E-07	0.00E+00	6.68E-07	6.68E-07	6.81E-02	6.58E-05	5.31E-05
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	0.5	15	1.48E-03	3.21E-02	9.12E-03	8.49E-07	0.00E+00	9.16E-07	9.16E-07	0.00E+00	8.42E-07	8.42E-07	8.58E-02	8.30E-05	6.69E-05
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	0.5	15	1.48E-03	3.21E-02	9.12E-03	8.49E-07	0.00E+00	9.16E-07	9.16E-07	0.00E+00	8.42E-07	8.42E-07	8.58E-02	8.30E-05	6.69E-05
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	0.5	15	8.70E-04	1.88E-02	5.35E-03	4.98E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.03E-02	4.87E-05	3.92E-05
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	0.5	15	1.54E-03	3.32E-02	9.44E-03	8.79E-07	0.00E+00	9.47E-07	9.47E-07	0.00E+00	8.71E-07	8.71E-07	8.88E-02	8.59E-05	6.92E-05
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	0.5	15	6.14E-04	1.33E-02	3.77E-03	3.51E-07	0.00E+00	3.79E-07	3.79E-07	0.00E+00	3.48E-07	3.48E-07	3.55E-02	3.43E-05	2.77E-05
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	0.5	15	4.61E-04	9.96E-03	2.83E-03	2.64E-07	0.00E+00	2.84E-07	2.84E-07	0.00E+00	2.61E-07	2.61E-07	2.66E-02	2.58E-05	2.08E-05
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	0.5	15	2.05E-04	4.42E-03	1.26E-03	1.17E-07	0.00E+00	1.26E-07	1.26E-07	0.00E+00	1.16E-07	1.16E-07	1.18E-02	1.14E-05	9.23E-06
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	0.5	15	1.59E-03	3.43E-02	9.75E-03	9.08E-07	0.00E+00	9.79E-07	9.79E-07	0.00E+00	9.00E-07	9.00E-07	9.18E-02	8.87E-05	7.15E-05
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	0.5	15	5.63E-04	1.22E-02	3.46E-03	3.22E-07	0.00E+00	3.47E-07	3.47E-07	0.00E+00	3.19E-07	3.19E-07	3.26E-02	3.15E-05	2.54E-05
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	0.5	15	6.14E-04	1.33E-02	3.77E-03	3.51E-07	0.00E+00	3.79E-07	3.79E-07	0.00E+00	3.48E-07	3.48E-07	3.55E-02	3.43E-05	2.77E-05

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
							MT/year			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	0.5	15	262	7.03E-03	7.1655E-06	5.0624E-06	8.71E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	0.5	15	262	0.0015613	1.5923E-06	1.125E-06	1.94E-03
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	0.5	15	262	0.01951631	1.9904E-05	1.4062E-05	2.42E-02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	0.5	15	262	0.00468391	4.777E-06	3.375E-06	5.81E-03
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	0.5	15	262	0.0015613	1.5923E-06	1.125E-06	1.94E-03
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	0.5	15	262	0.01170979	1.1943E-05	8.4374E-06	1.45E-02
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	0.5	15	262	0.00468391	4.777E-06	3.375E-06	5.81E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	15	262	0	0	0	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	0.5	15	262	0.00546457	5.5732E-06	3.9374E-06	6.78E-03
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	0.5	15	262	0.00468391	4.777E-06	3.375E-06	5.81E-03
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	0.5	15	262	0.00312261	3.1847E-06	2.25E-06	3.87E-03
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	0.5	15	261	0.00678748	6.8245E-06	4.9949E-06	8.45E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	0.5	15	261	0.00150833	1.5166E-06	1.11E-06	1.88E-03
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	0.5	15	261	0.01885412	1.8957E-05	1.3875E-05	2.35E-02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	0.5	15	261	0.00150833	1.5166E-06	1.11E-06	1.88E-03
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	0.5	15	261	0.00150833	1.5166E-06	1.11E-06	1.88E-03
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	0.5	15	261	0.00452499	4.5497E-06	3.3299E-06	5.63E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	0.5	15	261	0.00527915	5.3079E-06	3.8849E-06	6.57E-03
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	0.5	15	261	0.00452499	4.5497E-06	3.3299E-06	5.63E-03
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	15	261	0	0	0	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	0.5	15	261	0.00301666	3.0331E-06	2.22E-06	3.75E-03
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	0.5	15	261	0.00452499	4.5497E-06	3.3299E-06	5.63E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	0.5	15	260	0.00884201	8.7618E-06	6.6395E-06	1.10E-02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	0.5	15	260	0.00331575	3.2857E-06	2.4898E-06	4.14E-03
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	0.5	15	260	0.01068409	1.0587E-05	8.0228E-06	1.33E-02
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	0.5	15	260	0.00626309	6.2063E-06	4.703E-06	7.82E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	0.5	15	260	0.01105251	1.0952E-05	8.2994E-06	1.38E-02
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	0.5	15	260	0.004421	4.3809E-06	3.3198E-06	5.52E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	0.5	15	260	0.00331575	3.2857E-06	2.4898E-06	4.14E-03
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	0.5	15	260	0.01142093	1.1317E-05	8.5761E-06	1.43E-02
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	15	260	0	0	0	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	0.5	15	260	0.00368417	3.6507E-06	2.7665E-06	4.60E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	0.5	15	260	0.004421	4.3809E-06	3.3198E-06	5.52E-03
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	0.5	15	260	0.01098478	1.0735E-05	8.4033E-06	1.38E-02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	0.5	15	260	0.00512623	5.0097E-06	3.9215E-06	6.42E-03
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	0.5	15	260	0.00292928	2.8627E-06	2.2409E-06	3.67E-03
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	0.5	15	260	0.01098478	1.0735E-05	8.4033E-06	1.38E-02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	0.5	15	260	0.01098478	1.0735E-05	8.4033E-06	1.38E-02
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	0.5	15	260	0.00439391	4.2941E-06	3.3613E-06	5.50E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	0.5	15	260	0.00146464	1.4314E-06	1.1204E-06	1.83E-03
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	15	260	0	0	0	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	0.5	15	260	0.01830797	1.7892E-05	1.4006E-05	2.29E-02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	15	260	0	0	0	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	0.5	15	260	0.00439391	4.2941E-06	3.3613E-06	5.50E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	0.5	15	260	0.00439391	4.2941E-06	3.3613E-06	5.50E-03
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	0.5	15	262	0.00809023	7.8241E-06	6.3053E-06	1.02E-02
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	0.5	15	262	0.01020073	9.8652E-06	7.9501E-06	1.28E-02
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	0.5	15	262	0.01020073	9.8652E-06	7.9501E-06	1.28E-02
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	0.5	15	262	0.00597974	5.7831E-06	4.6604E-06	7.51E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	0.5	15	262	0.01055248	1.0205E-05	8.2243E-06	1.33E-02
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	0.5	15	262	0.00422099	4.0822E-06	3.2897E-06	5.30E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	0.5	15	262	0.00316574	3.0616E-06	2.4673E-06	3.98E-03
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	0.5	15	262	0.001407	1.3607E-06	1.0966E-06	1.77E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	0.5	15	262	0.01090423	1.0546E-05	8.4984E-06	1.37E-02
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	15	262	0	0	0	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	0.5	15	262	0.00386924	3.742E-06	3.0156E-06	4.86E-03
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	0.5	15	262	0.00422099	4.0822E-06	3.2897E-06	5.30E-03

Vendor Idling Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/min)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	0.5	15	1.49E-01	6.45E-04	7.49E-03	9.45E-03	1.11E-05	0.00E+00	1.94E-05	1.94E-05	0.00E+00	1.85E-05	1.85E-05	1.17E+00	6.67E-05
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	0.5	15	3.31E-02	1.43E-04	1.66E-03	2.10E-03	2.47E-06	0.00E+00	4.30E-06	4.30E-06	0.00E+00	4.12E-06	4.12E-06	2.59E-01	1.48E-05
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	0.5	15	4.13E-01	1.79E-03	2.08E-02	2.63E-02	3.09E-05	0.00E+00	5.38E-05	5.38E-05	0.00E+00	5.15E-05	5.15E-05	3.24E+00	1.85E-04
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	0.5	15	9.92E-02	4.30E-04	4.99E-03	6.30E-03	7.42E-06	0.00E+00	1.29E-05	1.29E-05	0.00E+00	1.24E-05	1.24E-05	7.78E-01	4.45E-05
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	0.5	15	3.31E-02	1.43E-04	1.66E-03	2.10E-03	2.47E-06	0.00E+00	4.30E-06	4.30E-06	0.00E+00	4.12E-06	4.12E-06	2.59E-01	1.48E-05
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	0.5	15	2.48E-01	1.08E-03	1.25E-02	1.58E-02	1.85E-05	0.00E+00	3.23E-05	3.23E-05	0.00E+00	3.09E-05	3.09E-05	1.94E+00	1.11E-04
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	0.5	15	9.92E-02	4.30E-04	4.99E-03	6.30E-03	7.42E-06	0.00E+00	1.29E-05	1.29E-05	0.00E+00	1.24E-05	1.24E-05	7.78E-01	4.45E-05
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	0.5	15	1.16E-01	5.02E-04	5.83E-03	7.35E-03	8.66E-06	0.00E+00	1.51E-05	1.51E-05	0.00E+00	1.44E-05	1.44E-05	9.08E-01	5.19E-05
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	0.5	15	9.92E-02	4.30E-04	4.99E-03	6.30E-03	7.42E-06	0.00E+00	1.29E-05	1.29E-05	0.00E+00	1.24E-05	1.24E-05	7.78E-01	4.45E-05
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	0.5	15	6.61E-02	2.87E-04	3.33E-03	4.20E-03	4.95E-06	0.00E+00	8.61E-06	8.61E-06	0.00E+00	8.24E-06	8.24E-06	5.19E-01	2.97E-05
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	0.5	15	1.49E-01	6.33E-04	7.01E-03	9.44E-03	1.10E-05	0.00E+00	1.60E-05	1.60E-05	0.00E+00	1.53E-05	1.53E-05	1.15E+00	6.61E-05
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	0.5	15	3.31E-02	1.41E-04	1.56E-03	2.10E-03	2.43E-06	0.00E+00	3.56E-06	3.56E-06	0.00E+00	3.40E-06	3.40E-06	2.55E-01	1.47E-05
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	0.5	15	4.13E-01	1.76E-03	1.95E-02	2.62E-02	3.04E-05	0.00E+00	4.45E-05	4.45E-05	0.00E+00	4.25E-05	4.25E-05	3.19E+00	1.83E-04
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	0.5	15	3.31E-02	1.41E-04	1.56E-03	2.10E-03	2.43E-06	0.00E+00	3.56E-06	3.56E-06	0.00E+00	3.40E-06	3.40E-06	2.55E-01	1.47E-05
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	0.5	15	3.31E-02	1.41E-04	1.56E-03	2.10E-03	2.43E-06	0.00E+00	3.56E-06	3.56E-06	0.00E+00	3.40E-06	3.40E-06	2.55E-01	1.47E-05
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	0.5	15	9.92E-02	4.22E-04	4.67E-03	6.30E-03	7.30E-06	0.00E+00	1.07E-05	1.07E-05	0.00E+00	1.02E-05	1.02E-05	7.66E-01	4.40E-05
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	0.5	15	1.16E-01	4.93E-04	5.45E-03	7.34E-03	8.52E-06	0.00E+00	1.25E-05	1.25E-05	0.00E+00	1.19E-05	1.19E-05	8.94E-01	5.14E-05
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	0.5	15	9.92E-02	4.22E-04	4.67E-03	6.30E-03	7.30E-06	0.00E+00	1.07E-05	1.07E-05	0.00E+00	1.02E-05	1.02E-05	7.66E-01	4.40E-05
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	0.5	15	6.61E-02	2.82E-04	3.11E-03	4.20E-03	4.87E-06	0.00E+00	7.11E-06	7.11E-06	0.00E+00	6.81E-06	6.81E-06	5.11E-01	2.94E-05
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	0.5	15	9.92E-02	4.22E-04	4.67E-03	6.30E-03	7.30E-06	0.00E+00	1.07E-05	1.07E-05	0.00E+00	1.02E-05	1.02E-05	7.66E-01	4.40E-05
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	0.5	15	1.98E-01	8.25E-04	8.21E-03	1.26E-02	1.43E-05	0.00E+00	1.26E-05	1.26E-05	0.00E+00	1.20E-05	1.20E-05	1.50E+00	8.74E-05
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	0.5	15	7.44E-02	3.09E-04	3.08E-03	4.73E-03	5.37E-06	0.00E+00	4.71E-06	4.71E-06	0.00E+00	4.50E-06	4.50E-06	5.64E-01	3.28E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	0.5	15	2.40E-01	9.97E-04	9.91E-03	1.53E-02	1.73E-05	0.00E+00	1.52E-05	1.52E-05	0.00E+00	1.45E-05	1.45E-05	1.82E+00	1.06E-04
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	0.5	15	1.41E-01	5.84E-04	5.81E-03	8.94E-03	1.01E-05	0.00E+00	8.89E-06	8.89E-06	0.00E+00	8.51E-06	8.51E-06	1.06E+00	6.19E-05
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	0.5	15	2.48E-01	1.03E-03	1.03E-02	1.58E-02	1.79E-05	0.00E+00	1.57E-05	1.57E-05	0.00E+00	1.50E-05	1.50E-05	1.88E+00	1.09E-04
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	0.5	15	9.92E-02	4.12E-04	4.10E-03	6.31E-03	7.16E-06	0.00E+00	6.28E-06	6.28E-06	0.00E+00	6.01E-06	6.01E-06	7.52E-01	4.37E-05
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	0.5	15	7.44E-02	3.09E-04	3.08E-03	4.73E-03	5.37E-06	0.00E+00	4.71E-06	4.71E-06	0.00E+00	4.50E-06	4.50E-06	5.64E-01	3.28E-05
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	0.5	15	2.56E-01	1.07E-03	1.06E-02	1.63E-02	1.85E-05	0.00E+00	1.62E-05	1.62E-05	0.00E+00	1.55E-05	1.55E-05	1.94E+00	1.13E-04
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	0.5	15	8.27E-02	3.44E-04	3.42E-03	5.26E-03	5.97E-06	0.00E+00	5.23E-06	5.23E-06	0.00E+00	5.01E-06	5.01E-06	6.26E-01	3.64E-05
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	0.5	15	9.92E-02	4.12E-04	4.10E-03	6.31E-03	7.16E-06	0.00E+00	6.28E-06	6.28E-06	0.00E+00	6.01E-06	6.01E-06	7.52E-01	4.37E-05
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	0.5	15	2.48E-01	1.02E-03	8.28E-03	1.63E-02	1.73E-05	0.00E+00	5.68E-06	5.68E-06	0.00E+00	5.44E-06	5.44E-06	1.81E+00	1.10E-04
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	0.5	15	1.16E-01	4.75E-04	3.86E-03	7.59E-03	8.05E-06	0.00E+00	2.65E-06	2.65E-06	0.00E+00	2.54E-06	2.54E-06	8.46E-01	5.12E-05
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	0.5	15	6.61E-02	2.71E-04	2.21E-03	4.34E-03	4.60E-06	0.00E+00	1.52E-06	1.52E-06	0.00E+00	1.45E-06	1.45E-06	4.83E-01	2.93E-05
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	0.5	15	2.48E-01	1.02E-03	8.28E-03	1.63E-02	1.73E-05	0.00E+00	5.68E-06	5.68E-06	0.00E+00	5.44E-06	5.44E-06	1.81E+00	1.10E-04
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	0.5	15	2.48E-01	1.02E-03	8.28E-03	1.63E-02	1.73E-05	0.00E+00	5.68E-06	5.68E-06	0.00E+00	5.44E-06	5.44E-06	1.81E+00	1.10E-04
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	0.5	15	9.92E-02	4.07E-04	3.31E-03	6.50E-03	6.90E-06	0.00E+00	2.27E-06	2.27E-06	0.00E+00	2.17E-06	2.17E-06	7.25E-01	4.39E-05
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	0.5	15	3.31E-02	1.36E-04	1.10E-03	2.17E-03	2.30E-06	0.00E+00	7.58E-07	7.58E-07	0.00E+00	7.25E-07	7.25E-07	2.42E-01	1.46E-05
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	0.5	15	4.13E-01	1.70E-03	1.38E-02	2.71E-02	2.88E-05	0.00E+00	9.47E-06	9.47E-06	0.00E+00	9.06E-06	9.06E-06	3.02E+00	1.83E-04
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	0.5	15	9.92E-02	4.07E-04	3.31E-03	6.50E-03	6.90E-06	0.00E+00	2.27E-06	2.27E-06	0.00E+00	2.17E-06	2.17E-06	7.25E-01	4.39E-05
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	0.5	15	9.92E-02	4.07E-04	3.31E-03	6.50E-03	6.90E-06	0.00E+00	2.27E-06	2.27E-06	0.00E+00	2.17E-06	2.17E-06	7.25E-01	4.39E-05
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	0.5	15	1.90E-01	7.65E-04	6.27E-03	1.23E-02	1.30E-05	0.00E+00	3.96E-06	3.96E-06	0.00E+00	3.79E-06	3.79E-06	1.37E+00	8.25E-05
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	0.5	15	2.40E-01	9.64E-04	7.91E-03	1.55E-02	1.64E-05	0.00E+00	4.99E-06	4.99E-06	0.00E+00	4.78E-06	4.78E-06	1.73E+00	1.04E-04
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	0.5	15	2.40E-01	9.64E-04	7.91E-03	1.55E-02	1.64E-05	0.00E+00	4.99E-06	4.99E-06	0.00E+00	4.78E-06	4.78E-06	1.73E+00	1.04E-04
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	0.5	15	1.41E-01	5.65E-04	4.63E-03	9.08E-03	9.63E-06	0.00E+00	2.93E-06	2.93E-06	0.00E+00	2.80E-06	2.80E-06	1.01E+00	6.10E-05
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	0.5	15	2.48E-01	9.98E-04	8.18E-03	1.60E-02	1.70E-05	0.00E+00	5.16E-06	5.16E-06	0.00E+00	4.94E-06	4.94E-06	1.79E+00	1.08E-04
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	0.5	15	9.92E-02	3.99E-04	3.27E-03	6.41E-03	6.79E-06	0.00E+00	2.07E-06	2.07E-06	0.00E+00	1.98E-06	1.98E-06	7.14E-01	4.30E-05
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	0.5	15	7.44E-02	2.99E-04	2.45E-03	4.81E-03	5.10E-06	0.00E+00	1.55E-06	1.55E-06	0.00E+00	1.48E-06	1.48E-06	5.36E-01	3.23E-05
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	0.5	15	3.31E-02	1.33E-04	1.09E-03	2.14E-03	2.26E-06	0.00E+00	6.88E-07	6.88E-07	0.00E+00	6.59E-07	6.59E-07	2.38E-01	1.43E-05
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	0.5	15	2.56E-01	1.03E-03	8.45E-03	1.66E-02	1.76E-05	0.00E+00	5.34E-06	5.34E-06	0.00E+00	5.10E-06	5.10E-06	1.85E+00	1.11E-04
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	0.5	15	9.09E-02	3.66E-04	3.00E-03	5.88E-03	6.23E-06	0.00E+00	1.89E-06	1.89E-06	0.00E+00	1.81E-06	1.81E-06	6.55E-01	3.94E-05
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	0.5	15	9.92E-02	3.99E-04	3.27E-03	6.41E-03	6.79E-06	0.00E+00	2.07E-06	2.07E-06	0.00E+00	1.98E-06	1.98E-06	7.14E-01	4.30E-05

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
							MT/year			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	0.5	15	262	2.20E-06	0.13867995	7.9294E-06	3.47E+00
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	0.5	15	262	4.8936E-07	0.03081777	1.7621E-06	7.71E-01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	0.5	15	262	6.1169E-06	0.38522209	2.2026E-05	9.64E+00
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	0.5	15	262	1.4681E-06	0.0924533	5.2863E-06	2.31E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	0.5	15	262	4.8936E-07	0.03081777	1.7621E-06	7.71E-01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	0.5	15	262	3.6702E-06	0.23113325	1.3216E-05	5.78E+00
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	0.5	15	262	1.4681E-06	0.0924533	5.2863E-06	2.31E+00
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	15	262	0	0	0	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	0.5	15	262	1.7127E-06	0.10786219	6.1673E-06	2.70E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	0.5	15	262	1.4681E-06	0.0924533	5.2863E-06	2.31E+00
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	0.5	15	262	9.7871E-07	0.06163553	3.5242E-06	1.54E+00
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	0.5	15	261	1.8131E-06	0.13608865	7.8196E-06	3.40E+00
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	0.5	15	261	4.0291E-07	0.03024192	1.7377E-06	7.57E-01
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	0.5	15	261	5.0364E-06	0.37802402	2.1721E-05	9.46E+00
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	0.5	15	261	4.0291E-07	0.03024192	1.7377E-06	7.57E-01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	0.5	15	261	4.0291E-07	0.03024192	1.7377E-06	7.57E-01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	0.5	15	261	1.2087E-06	0.09072577	5.2131E-06	2.27E+00
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	0.5	15	261	1.4102E-06	0.10584673	6.0819E-06	2.65E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	0.5	15	261	1.2087E-06	0.09072577	5.2131E-06	2.27E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	15	261	0	0	0	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	0.5	15	261	8.0582E-07	0.06048384	3.4754E-06	1.51E+00
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	0.5	15	261	1.2087E-06	0.09072577	5.2131E-06	2.27E+00
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	0.5	15	260	1.4167E-06	0.17731718	1.0313E-05	4.44E+00
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	0.5	15	260	5.3125E-07	0.06649394	3.8674E-06	1.66E+00
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	0.5	15	260	1.7118E-06	0.21425825	1.2462E-05	5.36E+00
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	0.5	15	260	1.0035E-06	0.12559967	7.3051E-06	3.14E+00
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	0.5	15	260	1.7708E-06	0.22164647	1.2891E-05	5.55E+00
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	0.5	15	260	7.0833E-07	0.08865859	5.1566E-06	2.22E+00
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	0.5	15	260	5.3125E-07	0.06649394	3.8674E-06	1.66E+00
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	0.5	15	260	1.8299E-06	0.22903469	1.3321E-05	5.73E+00
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	15	260	0	0	0	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	0.5	15	260	5.9028E-07	0.07388216	4.2971E-06	1.85E+00
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	0.5	15	260	7.0833E-07	0.08865859	5.1566E-06	2.22E+00
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	0.5	15	260	6.4126E-07	0.21378822	1.2947E-05	5.35E+00
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	0.5	15	260	2.9925E-07	0.09976784	6.0421E-06	2.50E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	0.5	15	260	1.71E-07	0.05701019	3.4526E-06	1.43E+00
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	0.5	15	260	6.4126E-07	0.21378822	1.2947E-05	5.35E+00
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	0.5	15	260	6.4126E-07	0.21378822	1.2947E-05	5.35E+00
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	0.5	15	260	2.565E-07	0.08551529	5.179E-06	2.14E+00
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	0.5	15	260	8.5501E-08	0.0285051	1.7263E-06	7.13E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	15	260	0	0	0	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	0.5	15	260	1.0688E-06	0.3563137	2.1579E-05	8.91E+00
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	15	260	0	0	0	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	0.5	15	260	2.565E-07	0.08551529	5.179E-06	2.14E+00
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	0.5	15	260	2.565E-07	0.08551529	5.179E-06	2.14E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	0.5	15	262	4.5009E-07	0.1627046	9.8007E-06	4.07E+00
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	0.5	15	262	5.675E-07	0.20514928	1.2357E-05	5.13E+00
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	0.5	15	262	5.675E-07	0.20514928	1.2357E-05	5.13E+00
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	0.5	15	262	3.3267E-07	0.12025992	7.244E-06	3.01E+00
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	0.5	15	262	5.8707E-07	0.2122234	1.2783E-05	5.31E+00
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	0.5	15	262	2.3483E-07	0.08488936	5.1134E-06	2.12E+00
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	0.5	15	262	1.7612E-07	0.06366702	3.835E-06	1.59E+00
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	0.5	15	262	7.8276E-08	0.02829645	1.7045E-06	7.08E-01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	0.5	15	262	6.0664E-07	0.21929751	1.321E-05	5.49E+00
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	15	262	0	0	0	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	0.5	15	262	2.1526E-07	0.07781525	4.6873E-06	1.95E+00
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	0.5	15	262	2.3483E-07	0.08488936	5.1134E-06	2.12E+00

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission Factor (g/mile)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	0.5	1.36E-01	4.29E+00	7.14E-01	1.38E-02	1.89E+02	6.17E-02	1.89E+02	1.89E+01	5.90E-02	1.89E+01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	0.5	1.36E-01	4.29E+00	7.14E-01	1.38E-02	1.89E+02	6.17E-02	1.89E+02	1.89E+01	5.90E-02	1.89E+01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	0.5	1.36E-01	4.29E+00	7.14E-01	1.38E-02	1.89E+02	6.17E-02	1.89E+02	1.89E+01	5.90E-02	1.89E+01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	0.5	1.36E-01	4.29E+00	7.14E-01	1.38E-02	1.89E+02	6.17E-02	1.89E+02	1.89E+01	5.90E-02	1.89E+01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	0.5	1.36E-01	4.29E+00	7.14E-01	1.38E-02	1.89E+02	6.17E-02	1.89E+02	1.89E+01	5.90E-02	1.89E+01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	0.5	1.36E-01	4.29E+00	7.14E-01	1.38E-02	1.89E+02	6.17E-02	1.89E+02	1.89E+01	5.90E-02	1.89E+01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	0.5	1.36E-01	4.29E+00	7.14E-01	1.38E-02	1.89E+02	6.17E-02	1.89E+02	1.89E+01	5.90E-02	1.89E+01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	0.5	1.36E-01	4.29E+00	7.14E-01	1.38E-02	1.89E+02	6.17E-02	1.89E+02	1.89E+01	5.90E-02	1.89E+01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	0.5	1.36E-01	4.29E+00	7.14E-01	1.38E-02	1.89E+02	6.17E-02	1.89E+02	1.89E+01	5.90E-02	1.89E+01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	0.5	1.36E-01	4.29E+00	7.14E-01	1.38E-02	1.89E+02	6.17E-02	1.89E+02	1.89E+01	5.90E-02	1.89E+01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	0.5	1.36E-01	4.29E+00	7.14E-01	1.38E-02	1.89E+02	6.17E-02	1.89E+02	1.89E+01	5.90E-02	1.89E+01	1.51E+03	8.03E-02	2.39E-01
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	0.5	1.11E-01	3.84E+00	6.49E-01	1.35E-02	1.89E+02	5.15E-02	1.89E+02	1.89E+01	4.93E-02	1.89E+01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	0.5	1.11E-01	3.84E+00	6.49E-01	1.35E-02	1.89E+02	5.15E-02	1.89E+02	1.89E+01	4.93E-02	1.89E+01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	0.5	1.11E-01	3.84E+00	6.49E-01	1.35E-02	1.89E+02	5.15E-02	1.89E+02	1.89E+01	4.93E-02	1.89E+01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	0.5	1.11E-01	3.84E+00	6.49E-01	1.35E-02	1.89E+02	5.15E-02	1.89E+02	1.89E+01	4.93E-02	1.89E+01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	0.5	1.11E-01	3.84E+00	6.49E-01	1.35E-02	1.89E+02	5.15E-02	1.89E+02	1.89E+01	4.93E-02	1.89E+01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	0.5	1.11E-01	3.84E+00	6.49E-01	1.35E-02	1.89E+02	5.15E-02	1.89E+02	1.89E+01	4.93E-02	1.89E+01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	0.5	1.11E-01	3.84E+00	6.49E-01	1.35E-02	1.89E+02	5.15E-02	1.89E+02	1.89E+01	4.93E-02	1.89E+01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	0.5	1.11E-01	3.84E+00	6.49E-01	1.35E-02	1.89E+02	5.15E-02	1.89E+02	1.89E+01	4.93E-02	1.89E+01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	0.5	1.11E-01	3.84E+00	6.49E-01	1.35E-02	1.89E+02	5.15E-02	1.89E+02	1.89E+01	4.93E-02	1.89E+01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	0.5	1.11E-01	3.84E+00	6.49E-01	1.35E-02	1.89E+02	5.15E-02	1.89E+02	1.89E+01	4.93E-02	1.89E+01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	0.5	1.11E-01	3.84E+00	6.49E-01	1.35E-02	1.89E+02	5.15E-02	1.89E+02	1.89E+01	4.93E-02	1.89E+01	1.48E+03	8.02E-02	2.35E-01
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	0.5	7.07E-02	3.28E+00	5.24E-01	1.31E-02	1.89E+02	2.93E-02	1.89E+02	1.89E+01	2.80E-02	1.89E+01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	0.5	7.07E-02	3.28E+00	5.24E-01	1.31E-02	1.89E+02	2.93E-02	1.89E+02	1.89E+01	2.80E-02	1.89E+01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	0.5	7.07E-02	3.28E+00	5.24E-01	1.31E-02	1.89E+02	2.93E-02	1.89E+02	1.89E+01	2.80E-02	1.89E+01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	0.5	7.07E-02	3.28E+00	5.24E-01	1.31E-02	1.89E+02	2.93E-02	1.89E+02	1.89E+01	2.80E-02	1.89E+01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	0.5	7.07E-02	3.28E+00	5.24E-01	1.31E-02	1.89E+02	2.93E-02	1.89E+02	1.89E+01	2.80E-02	1.89E+01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	0.5	7.07E-02	3.28E+00	5.24E-01	1.31E-02	1.89E+02	2.93E-02	1.89E+02	1.89E+01	2.80E-02	1.89E+01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	0.5	7.07E-02	3.28E+00	5.24E-01	1.31E-02	1.89E+02	2.93E-02	1.89E+02	1.89E+01	2.80E-02	1.89E+01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	0.5	7.07E-02	3.28E+00	5.24E-01	1.31E-02	1.89E+02	2.93E-02	1.89E+02	1.89E+01	2.80E-02	1.89E+01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	0.5	7.07E-02	3.28E+00	5.24E-01	1.31E-02	1.89E+02	2.93E-02	1.89E+02	1.89E+01	2.80E-02	1.89E+01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	0.5	7.07E-02	3.28E+00	5.24E-01	1.31E-02	1.89E+02	2.93E-02	1.89E+02	1.89E+01	2.80E-02	1.89E+01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	0.5	7.07E-02	3.28E+00	5.24E-01	1.31E-02	1.89E+02	2.93E-02	1.89E+02	1.89E+01	2.80E-02	1.89E+01	1.44E+03	7.90E-02	2.28E-01
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	0.5	2.38E-02	2.45E+00	4.22E-01	1.24E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	0.5	2.38E-02	2.45E+00	4.22E-01	1.24E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	0.5	2.38E-02	2.45E+00	4.22E-01	1.24E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	0.5	2.38E-02	2.45E+00	4.22E-01	1.24E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	0.5	2.38E-02	2.45E+00	4.22E-01	1.24E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	0.5	2.38E-02	2.45E+00	4.22E-01	1.24E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	0.5	2.38E-02	2.45E+00	4.22E-01	1.24E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	0.5	2.38E-02	2.45E+00	4.22E-01	1.24E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	0.5	2.38E-02	2.45E+00	4.22E-01	1.24E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	0.5	2.38E-02	2.45E+00	4.22E-01	1.24E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	0.5	2.38E-02	2.45E+00	4.22E-01	1.24E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	0.5	2.38E-02	2.45E+00	4.22E-01	1.24E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.36E+03	7.74E-02	2.16E-01
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	0.5	2.35E-02	2.47E+00	4.35E-01	1.22E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	0.5	2.35E-02	2.47E+00	4.35E-01	1.22E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	0.5	2.35E-02	2.47E+00	4.35E-01	1.22E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	0.5	2.35E-02	2.47E+00	4.35E-01	1.22E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	0.5	2.35E-02	2.47E+00	4.35E-01	1.22E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	0.5	2.35E-02	2.47E+00	4.35E-01	1.22E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	0.5	2.35E-02	2.47E+00	4.35E-01	1.22E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	0.5	2.35E-02	2.47E+00	4.35E-01	1.22E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	0.5	2.35E-02	2.47E+00	4.35E-01	1.22E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	0.5	2.35E-02	2.47E+00	4.35E-01	1.22E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	0.5	2.35E-02	2.47E+00	4.35E-01	1.22E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	0.5	2.35E-02	2.47E+00	4.35E-01	1.22E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.34E+03	7.77E-02	2.13E-01

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	0.5	9.76E-04	3.08E-02	5.12E-03	9.90E-05	1.35E+00	4.43E-04	1.36E+00	1.35E-01	4.23E-04	1.36E-01	1.08E+01	5.76E-04	1.72E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	0.5	1.49E-05	4.69E-04	7.81E-05	1.51E-06	2.07E-02	6.75E-06	2.07E-02	2.06E-03	6.46E-06	2.07E-03	1.65E-01	8.79E-06	2.62E-05
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	0.5	3.59E-03	1.13E-01	1.88E-02	3.63E-04	4.97E+00	1.62E-03	4.98E+00	4.97E-01	1.55E-03	4.98E-01	3.98E+01	2.12E-03	6.31E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	0.5	4.30E-03	1.36E-01	2.26E-02	4.36E-04	5.97E+00	1.95E-03	5.97E+00	5.96E-01	1.87E-03	5.98E-01	4.77E+01	2.54E-03	7.57E-03
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	0.5	1.25E-03	3.95E-02	6.58E-03	1.27E-04	1.74E+00	5.69E-04	1.74E+00	1.74E-01	5.44E-04	1.74E-01	1.39E+01	7.41E-04	2.21E-03
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	0.5	2.87E-03	9.04E-02	1.50E-02	2.91E-04	3.98E+00	1.30E-03	3.98E+00	3.97E-01	1.24E-03	3.99E-01	3.18E+01	1.69E-03	5.04E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	0.5	3.02E-04	9.53E-03	1.59E-03	3.07E-05	4.20E-01	1.37E-04	4.20E-01	4.19E-02	1.31E-04	4.20E-02	3.35E+00	1.78E-04	5.32E-04
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	0.5	3.57E-04	1.13E-02	1.87E-03	3.62E-05	4.96E-01	1.62E-04	4.96E-01	4.95E-02	1.55E-04	4.97E-02	3.96E+00	2.11E-04	6.29E-04
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	0.5	8.02E-04	2.77E-02	4.67E-03	9.73E-05	1.36E+00	3.71E-04	1.36E+00	1.36E-01	3.55E-04	1.36E-01	1.07E+01	5.78E-04	1.69E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	0.5	2.45E-05	8.44E-04	1.42E-04	2.97E-06	4.15E-02	1.13E-05	4.15E-02	4.14E-03	1.08E-05	4.15E-03	3.25E-01	1.76E-05	5.16E-05
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	0.5	2.94E-03	1.02E-01	1.72E-02	3.57E-04	4.99E+00	1.36E-03	5.00E+00	4.99E-01	1.30E-03	5.00E-01	3.91E+01	2.12E-03	6.21E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	0.5	3.53E-03	1.22E-01	2.06E-02	4.29E-04	5.99E+00	1.63E-03	5.99E+00	5.98E-01	1.56E-03	6.00E-01	4.69E+01	2.55E-03	7.45E-03
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	0.5	3.53E-03	1.22E-01	2.06E-02	4.29E-04	5.99E+00	1.63E-03	5.99E+00	5.98E-01	1.56E-03	6.00E-01	4.69E+01	2.55E-03	7.45E-03
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	0.5	2.35E-03	8.13E-02	1.37E-02	2.86E-04	4.00E+00	1.09E-03	4.00E+00	3.99E-01	1.04E-03	4.00E-01	3.13E+01	1.70E-03	4.97E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	0.5	2.93E-04	1.01E-02	1.71E-03	3.56E-05	4.98E-01	1.36E-04	4.98E-01	4.97E-02	1.30E-04	4.98E-02	3.90E+00	2.11E-04	6.19E-04
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	0.5	2.48E-04	8.57E-03	1.45E-03	3.01E-05	4.21E-01	1.15E-04	4.21E-01	4.21E-02	1.10E-04	4.22E-02	3.30E+00	1.79E-04	5.24E-04
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	0.5	8.83E-04	4.10E-02	6.54E-03	1.64E-04	2.36E+00	3.66E-04	2.36E+00	2.35E-01	3.50E-04	2.36E-01	1.80E+01	9.87E-04	2.85E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	0.5	7.79E-06	3.62E-04	5.77E-05	1.44E-06	2.08E-02	3.23E-06	2.08E-02	2.08E-03	3.09E-06	2.08E-03	1.59E-01	8.71E-06	2.52E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	0.5	1.03E-03	4.79E-02	7.64E-03	1.91E-04	2.76E+00	4.27E-04	2.76E+00	2.75E-01	4.09E-04	2.76E-01	2.10E+01	1.15E-03	3.33E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	0.5	1.75E-03	8.14E-02	1.30E-02	3.25E-04	4.68E+00	7.26E-04	4.68E+00	4.68E-01	6.94E-04	4.68E-01	3.57E+01	1.96E-03	5.66E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	0.5	6.57E-04	3.05E-02	4.86E-03	1.22E-04	1.75E+00	2.72E-04	1.75E+00	1.75E-01	2.60E-04	1.75E-01	1.34E+01	7.34E-04	2.12E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	0.5	7.66E-04	3.56E-02	5.67E-03	1.42E-04	2.05E+00	3.17E-04	2.05E+00	2.04E-01	3.04E-04	2.05E-01	1.56E+01	8.56E-04	2.47E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	0.5	1.13E-03	5.23E-02	8.34E-03	2.09E-04	3.01E+00	4.66E-04	3.01E+00	3.00E-01	4.46E-04	3.01E-01	2.29E+01	1.26E-03	3.64E-03
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	0.5	9.38E-04	4.36E-02	6.95E-03	1.74E-04	2.51E+00	3.88E-04	2.51E+00	2.50E-01	3.72E-04	2.51E-01	1.91E+01	1.05E-03	3.03E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	0.5	8.44E-04	3.92E-02	6.25E-03	1.56E-04	2.26E+00	3.50E-04	2.26E+00	2.25E-01	3.34E-04	2.25E-01	1.72E+01	9.44E-04	2.73E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	0.5	7.91E-05	3.67E-03	5.86E-04	1.47E-05	2.11E-01	3.28E-05	2.11E-01	2.11E-02	3.13E-05	2.11E-02	1.61E+00	8.85E-05	2.56E-04
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	0.5	4.22E-04	4.35E-02	7.48E-03	2.19E-04	3.35E+00	3.63E-04	3.35E+00	3.35E-01	3.47E-04	3.35E-01	2.41E+01	1.37E-03	3.84E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	0.5	6.29E-05	6.49E-03	1.12E-03	3.27E-05	5.00E-01	5.41E-05	5.00E-01	4.99E-02	5.18E-05	4.99E-02	3.60E+00	2.05E-04	5.72E-04
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	0.5	4.22E-04	4.35E-02	7.48E-03	2.19E-04	3.35E+00	3.63E-04	3.35E+00	3.35E-01	3.47E-04	3.35E-01	2.41E+01	1.37E-03	3.84E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	0.5	2.21E-04	2.28E-02	3.92E-03	1.15E-04	1.75E+00	1.90E-04	1.75E+00	1.75E-01	1.82E-04	1.75E-01	1.26E+01	7.19E-04	2.01E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	0.5	1.05E-05	1.08E-03	1.86E-04	5.45E-06	8.33E-02	9.02E-06	8.33E-02	8.31E-03	8.63E-06	8.32E-03	6.00E-01	3.41E-05	9.54E-05
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	0.5	7.57E-04	7.81E-02	1.34E-02	3.94E-04	6.02E+00	6.52E-04	6.02E+00	6.01E-01	6.24E-04	6.01E-01	4.33E+01	2.46E-03	6.89E-03
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	0.5	6.31E-04	6.51E-02	1.12E-02	3.28E-04	5.01E+00	5.43E-04	5.01E+00	5.00E-01	5.20E-04	5.01E-01	3.61E+01	2.05E-03	5.74E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	0.5	5.05E-04	5.21E-02	8.95E-03	2.62E-04	4.01E+00	4.34E-04	4.01E+00	4.00E-01	4.16E-04	4.01E-01	2.89E+01	1.64E-03	4.59E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	0.5	2.61E-04	2.74E-02	4.82E-03	1.35E-04	2.09E+00	2.27E-04	2.09E+00	2.09E-01	2.17E-04	2.09E-01	1.49E+01	8.62E-04	2.37E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	0.5	3.41E-04	3.57E-02	6.29E-03	1.76E-04	2.74E+00	2.97E-04	2.74E+00	2.73E-01	2.84E-04	2.73E-01	1.94E+01	1.13E-03	3.09E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	0.5	3.41E-04	3.57E-02	6.29E-03	1.76E-04	2.74E+00	2.97E-04	2.74E+00	2.73E-01	2.84E-04	2.73E-01	1.94E+01	1.13E-03	3.09E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	0.5	5.79E-04	6.07E-02	1.07E-02	3.00E-04	4.65E+00	5.04E-04	4.65E+00	4.64E-01	4.82E-04	4.64E-01	3.30E+01	1.91E-03	5.25E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	0.5	2.17E-04	2.28E-02	4.01E-03	1.12E-04	1.74E+00	1.89E-04	1.74E+00	1.74E-01	1.81E-04	1.74E-01	1.24E+01	7.16E-04	1.97E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	0.5	2.53E-04	2.65E-02	4.67E-03	1.31E-04	2.03E+00	2.20E-04	2.03E+00	2.03E-01	2.11E-04	2.03E-01	1.44E+01	8.36E-04	2.29E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	0.5	3.72E-04	3.90E-02	6.87E-03	1.92E-04	2.98E+00	3.24E-04	2.99E+00	2.98E-01	3.10E-04	2.98E-01	2.12E+01	1.23E-03	3.37E-03
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	0.5	1.39E-04	1.46E-02	2.58E-03	7.22E-05	1.12E+00	1.21E-04	1.12E+00	1.12E-01	1.16E-04	1.12E-01	7.95E+00	4.61E-04	1.26E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	0.5	3.10E-04	3.25E-02	5.72E-03	1.60E-04	2.49E+00	2.70E-04	2.49E+00	2.48E-01	2.58E-04	2.49E-01	1.77E+01	1.02E-03	2.81E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	0.5	3.09E-05	3.24E-03	5.71E-04	1.60E-05	2.48E-01	2.69E-05	2.48E-01	2.48E-02	2.57E-05	2.48E-02	1.76E+00	1.02E-04	2.80E-04
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	0.5	2.61E-05	2.74E-03	4.83E-04	1.35E-05	2.10E-01	2.28E-05	2.10E-01	2.09E-02	2.18E-05	2.10E-02	1.49E+00	8.63E-05	2.37E-04

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
								MT/yr			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	0.5	262	1.29E+00	6.85E-05	2.04E-04	1.35E+00
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	0.5	262	1.96E-02	1.04E-06	3.11E-06	2.06E-02
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	0.5	262	4.72E+00	2.51E-04	7.49E-04	4.95E+00
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	0.5	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	0.5	262	5.67E+00	3.02E-04	8.99E-04	5.94E+00
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	0.5	262	1.65E+00	8.80E-05	2.62E-04	1.73E+00
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	0.5	262	3.78E+00	2.01E-04	5.99E-04	3.96E+00
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	0.5	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	0.5	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	0.5	262	3.98E-01	2.12E-05	6.32E-05	4.18E-01
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	0.5	262	4.71E-01	2.51E-05	7.47E-05	4.94E-01
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	0.5	261	1.26E+00	6.84E-05	2.00E-04	1.32E+00
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	0.5	261	3.85E-02	2.09E-06	6.11E-06	4.03E-02
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	0.5	261	4.63E+00	2.51E-04	7.35E-04	4.86E+00
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	0.5	261	5.56E+00	3.01E-04	8.82E-04	5.83E+00
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	0.5	261	5.56E+00	3.01E-04	8.82E-04	5.83E+00
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	0.5	261	3.71E+00	2.01E-04	5.88E-04	3.89E+00
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	0.5	261	4.62E-01	2.50E-05	7.33E-05	4.84E-01
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	0.5	261	3.91E-01	2.12E-05	6.20E-05	4.10E-01
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	0.5	260	2.12E+00	1.16E-04	3.36E-04	2.22E+00
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	0.5	260	1.87E-02	1.03E-06	2.97E-06	1.96E-02
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	0.5	260	2.47E+00	1.36E-04	3.93E-04	2.60E+00
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	0.5	260	4.21E+00	2.31E-04	6.68E-04	4.41E+00
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	0.5	260	1.58E+00	8.66E-05	2.50E-04	1.65E+00
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	0.5	260	1.84E+00	1.01E-04	2.92E-04	1.93E+00
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	0.5	260	2.70E+00	1.48E-04	4.29E-04	2.83E+00
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	0.5	260	2.25E+00	1.24E-04	3.57E-04	2.36E+00
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	0.5	260	2.02E+00	1.11E-04	3.22E-04	2.12E+00
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	0.5	260	1.90E-01	1.04E-05	3.01E-05	1.99E-01
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	0.5	260	2.85E+00	1.62E-04	4.53E-04	2.99E+00
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	0.5	260	4.25E-01	2.41E-05	6.75E-05	4.45E-01
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	0.5	260	2.85E+00	1.62E-04	4.53E-04	2.99E+00
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	0.5	260	1.49E+00	8.48E-05	2.37E-04	1.56E+00
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	0.5	260	7.08E-02	4.02E-06	1.12E-05	7.42E-02
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	0.5	260	5.11E+00	2.91E-04	8.12E-04	5.36E+00
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	0.5	260	4.26E+00	2.42E-04	6.77E-04	4.47E+00
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	0.5	260	3.41E+00	1.94E-04	5.42E-04	3.57E+00
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	0.5	262	1.77E+00	1.02E-04	2.81E-04	1.85E+00
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	0.5	262	2.31E+00	1.34E-04	3.67E-04	2.42E+00
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	0.5	262	2.31E+00	1.34E-04	3.67E-04	2.42E+00
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	0.5	262	3.93E+00	2.27E-04	6.24E-04	4.12E+00
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	0.5	262	1.47E+00	8.51E-05	2.34E-04	1.54E+00
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	0.5	262	1.72E+00	9.93E-05	2.73E-04	1.80E+00
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	0.5	262	2.52E+00	1.46E-04	4.01E-04	2.64E+00
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	0.5	262	9.45E-01	5.47E-05	1.50E-04	9.91E-01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	0.5	262	2.10E+00	1.22E-04	3.34E-04	2.20E+00
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	0.5	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	0.5	262	2.09E-01	1.21E-05	3.33E-05	2.20E-01
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	0.5	262	1.77E-01	1.03E-05	2.82E-05	1.86E-01

Haul Idling Emission Factors

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission Factor (g/min)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02

							Daily Emissions												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	15	4.15E-03	6.05E-02	5.69E-02	1.00E-04	0.00E+00	4.87E-05	4.87E-05	0.00E+00	4.66E-05	4.66E-05	1.10E+01	3.41E-04	4.87E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	15	6.32E-05	9.22E-04	8.68E-04	1.53E-06	0.00E+00	7.43E-07	7.43E-07	0.00E+00	7.11E-07	7.11E-07	1.67E-01	5.20E-06	7.43E-05
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	15	1.52E-02	2.22E-01	2.09E-01	3.69E-04	0.00E+00	1.79E-04	1.79E-04	0.00E+00	1.71E-04	1.71E-04	4.03E+01	1.25E-03	1.79E-02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	15	1.83E-02	2.66E-01	2.51E-01	4.43E-04	0.00E+00	2.15E-04	2.15E-04	0.00E+00	2.05E-04	2.05E-04	4.83E+01	1.50E-03	2.15E-02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	15	5.33E-03	7.77E-02	7.31E-02	1.29E-04	0.00E+00	6.26E-05	6.26E-05	0.00E+00	5.99E-05	5.99E-05	1.41E+01	4.38E-04	6.26E-03
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	15	1.22E-02	1.78E-01	1.67E-01	2.95E-04	0.00E+00	1.43E-04	1.43E-04	0.00E+00	1.37E-04	1.37E-04	3.22E+01	1.00E-03	1.43E-02
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	15	1.28E-03	1.87E-02	1.76E-02	3.11E-05	0.00E+00	1.51E-05	1.51E-05	0.00E+00	1.44E-05	1.44E-05	3.40E+00	1.06E-04	1.51E-03
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	15	1.52E-03	2.21E-02	2.08E-02	3.68E-05	0.00E+00	1.78E-05	1.78E-05	0.00E+00	1.71E-05	1.71E-05	4.02E+00	1.25E-04	1.78E-03
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	15	4.13E-03	5.88E-02	5.80E-02	9.92E-05	0.00E+00	4.15E-05	4.15E-05	0.00E+00	3.97E-05	3.97E-05	1.09E+01	3.45E-04	4.86E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	15	1.26E-04	1.79E-03	1.77E-03	3.03E-06	0.00E+00	1.27E-06	1.27E-06	0.00E+00	1.21E-06	1.21E-06	3.31E-01	1.05E-05	1.48E-04
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	15	1.52E-02	2.16E-01	2.13E-01	3.64E-04	0.00E+00	1.52E-04	1.52E-04	0.00E+00	1.46E-04	1.46E-04	3.98E+01	1.27E-03	1.78E-02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	15	1.82E-02	2.59E-01	2.55E-01	4.37E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	4.78E+01	1.52E-03	2.14E-02
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	15	1.82E-02	2.59E-01	2.55E-01	4.37E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	4.78E+01	1.52E-03	2.14E-02
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	15	1.21E-02	1.73E-01	1.70E-01	2.91E-04	0.00E+00	1.22E-04	1.22E-04	0.00E+00	1.17E-04	1.17E-04	3.19E+01	1.01E-03	1.43E-02
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	15	1.51E-03	2.15E-02	2.12E-02	3.63E-05	0.00E+00	1.52E-05	1.52E-05	0.00E+00	1.45E-05	1.45E-05	3.97E+00	1.26E-04	1.78E-03
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	15	1.28E-03	1.82E-02	1.80E-02	3.07E-05	0.00E+00	1.28E-05	1.28E-05	0.00E+00	1.23E-05	1.23E-05	3.36E+00	1.07E-04	1.50E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	15	7.08E-03	9.83E-02	1.02E-01	1.69E-04	0.00E+00	5.34E-05	5.34E-05	0.00E+00	5.11E-05	5.11E-05	1.85E+01	6.02E-04	8.33E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	15	6.25E-05	8.68E-04	8.99E-04	1.49E-06	0.00E+00	4.71E-07	4.71E-07	0.00E+00	4.51E-07	4.51E-07	1.63E-01	5.31E-06	7.36E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	15	8.27E-03	1.15E-01	1.19E-01	1.97E-04	0.00E+00	6.24E-05	6.24E-05	0.00E+00	5.97E-05	5.97E-05	2.16E+01	7.03E-04	9.74E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	15	1.41E-02	1.95E-01	2.02E-01	3.35E-04	0.00E+00	1.06E-04	1.06E-04	0.00E+00	1.01E-04	1.01E-04	3.67E+01	1.20E-03	1.65E-02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	15	5.26E-03	7.32E-02	7.58E-02	1.25E-04	0.00E+00	3.97E-05	3.97E-05	0.00E+00	3.80E-05	3.80E-05	1.38E+01	4.48E-04	6.20E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	15	6.14E-03	8.53E-02	8.84E-02	1.46E-04	0.00E+00	4.63E-05	4.63E-05	0.00E+00	4.43E-05	4.43E-05	1.60E+01	5.22E-04	7.23E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	15	9.03E-03	1.25E-01	1.30E-01	2.15E-04	0.00E+00	6.81E-05	6.81E-05	0.00E+00	6.51E-05	6.51E-05	2.36E+01	7.68E-04	1.06E-02
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	15	7.52E-03	1.05E-01	1.08E-01	1.79E-04	0.00E+00	5.67E-05	5.67E-05	0.00E+00	5.43E-05	5.43E-05	1.97E+01	6.40E-04	8.85E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	15	6.77E-03	9.40E-02	9.74E-02	1.61E-04	0.00E+00	5.10E-05	5.10E-05	0.00E+00	4.88E-05	4.88E-05	1.77E+01	5.76E-04	7.97E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	15	6.34E-04	8.82E-03	9.13E-03	1.51E-05	0.00E+00	4.78E-06	4.78E-06	0.00E+00	4.58E-06	4.58E-06	1.66E+00	5.40E-05	7.47E-04
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	15	1.00E-02	1.28E-01	1.53E-01	2.29E-04	0.00E+00	6.61E-05	6.61E-05	0.00E+00	6.32E-05	6.32E-05	2.52E+01	8.65E-04	1.18E-02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	15	1.49E-03	1.91E-02	2.29E-02	3.42E-05	0.00E+00	9.85E-06	9.85E-06	0.00E+00	9.42E-06	9.42E-06	3.76E+00	1.29E-04	1.76E-03
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	15	1.00E-02	1.28E-01	1.53E-01	2.29E-04	0.00E+00	6.61E-05	6.61E-05	0.00E+00	6.32E-05	6.32E-05	2.52E+01	8.65E-04	1.18E-02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	15	5.24E-03	6.71E-02	8.03E-02	1.20E-04	0.00E+00	3.46E-05	3.46E-05	0.00E+00	3.31E-05	3.31E-05	1.32E+01	4.53E-04	6.18E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	15	2.49E-04	3.18E-03	3.81E-03	5.70E-06	0.00E+00	1.64E-06	1.64E-06	0.00E+00	1.57E-06	1.57E-06	6.27E-01	2.15E-05	2.93E-04
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	15	1.80E-02	2.30E-01	2.75E-01	4.12E-04	0.00E+00	1.19E-04	1.19E-04	0.00E+00	1.13E-04	1.13E-04	4.53E+01	1.55E-03	2.12E-02
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	15	1.50E-02	1.92E-01	2.29E-01	3.43E-04	0.00E+00	9.88E-05	9.88E-05	0.00E+00	9.45E-05	9.45E-05	3.77E+01	1.29E-03	1.77E-02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	15	1.20E-02	1.53E-01	1.84E-01	2.74E-04	0.00E+00	7.90E-05	7.90E-05	0.00E+00	7.56E-05	7.56E-05	3.02E+01	1.04E-03	1.41E-02
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	15	6.25E-03	7.98E-02	9.60E-02	1.41E-04	0.00E+00	3.98E-05	3.98E-05	0.00E+00	3.81E-05	3.81E-05	1.56E+01	5.44E-04	7.37E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	15	8.16E-03	1.04E-01	1.25E-01	1.85E-04	0.00E+00	5.20E-05	5.20E-05	0.00E+00	4.98E-05	4.98E-05	2.03E+01	7.11E-04	9.63E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	15	8.16E-03	1.04E-01	1.25E-01	1.85E-04	0.00E+00	5.20E-05	5.20E-05	0.00E+00	4.98E-05	4.98E-05	2.03E+01	7.11E-04	9.63E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	15	1.39E-02	1.77E-01	2.13E-01	3.14E-04	0.00E+00	8.84E-05	8.84E-05	0.00E+00	8.45E-05	8.45E-05	3.45E+01	1.21E-03	1.64E-02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	15	5.20E-03	6.64E-02	7.98E-02	1.18E-04	0.00E+00	3.31E-05	3.31E-05	0.00E+00	3.17E-05	3.17E-05	1.29E+01	4.52E-04	6.13E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	15	6.06E-03	7.74E-02	9.31E-02	1.37E-04	0.00E+00	3.86E-05	3.86E-05	0.00E+00	3.69E-05	3.69E-05	1.51E+01	5.28E-04	7.15E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	15	8.91E-03	1.14E-01	1.37E-01	2.01E-04	0.00E+00	5.68E-05	5.68E-05	0.00E+00	5.43E-05	5.43E-05	2.22E+01	7.76E-04	1.05E-02
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	15	3.34E-03	4.27E-02	5.13E-02	7.56E-05	0.00E+00	2.13E-05	2.13E-05	0.00E+00	2.04E-05	2.04E-05	8.32E+00	2.91E-04	3.94E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	15	7.42E-03	9.48E-02	1.14E-01	1.68E-04	0.00E+00	4.73E-05	4.73E-05	0.00E+00	4.52E-05	4.52E-05	1.85E+01	6.46E-04	8.76E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	15	7.40E-04	9.45E-03	1.14E-02	1.67E-05	0.00E+00	4.71E-06	4.71E-06	0.00E+00	4.51E-06	4.51E-06	1.84E+00	6.44E-05	8.73E-04
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	15	6.26E-04	8.00E-03	9.61E-03	1.42E-05	0.00E+00	3.99E-06	3.99E-06	0.00E+00	3.82E-06	3.82E-06	1.56E+00	5.45E-05	7.38E-04

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
								MT/yr			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	15	262	1.30E+00	4.05E-05	5.79E-04	1.48E+00
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	15	262	1.99E-02	6.18E-07	8.83E-06	2.25E-02
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	15	262	4.79E+00	1.49E-04	2.13E-03	5.42E+00
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	15	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	15	262	5.74E+00	1.79E-04	2.55E-03	6.51E+00
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	15	262	1.68E+00	5.21E-05	7.44E-04	1.90E+00
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	15	262	3.83E+00	1.19E-04	1.70E-03	4.34E+00
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	15	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	15	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	15	262	4.04E-01	1.26E-05	1.79E-04	4.57E-01
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	15	262	4.77E-01	1.48E-05	2.12E-04	5.41E-01
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	15	261	1.28E+00	4.09E-05	5.75E-04	1.46E+00
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	15	261	3.92E-02	1.25E-06	1.75E-05	4.44E-02
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	15	261	4.72E+00	1.50E-04	2.11E-03	5.35E+00
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	15	261	5.66E+00	1.80E-04	2.53E-03	6.42E+00
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	15	261	5.66E+00	1.80E-04	2.53E-03	6.42E+00
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	15	261	3.77E+00	1.20E-04	1.69E-03	4.28E+00
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	15	261	4.70E-01	1.50E-05	2.10E-04	5.33E-01
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	15	261	3.98E-01	1.27E-05	1.78E-04	4.51E-01
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	15	260	2.18E+00	7.10E-05	9.83E-04	2.48E+00
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	15	260	1.93E-02	6.27E-07	8.67E-06	2.19E-02
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	15	260	2.55E+00	8.30E-05	1.15E-03	2.89E+00
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	15	260	4.33E+00	1.41E-04	1.95E-03	4.92E+00
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	15	260	1.62E+00	5.28E-05	7.31E-04	1.84E+00
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	15	260	1.89E+00	6.16E-05	8.53E-04	2.15E+00
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	15	260	2.78E+00	9.05E-05	1.25E-03	3.16E+00
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	15	260	2.32E+00	7.54E-05	1.04E-03	2.63E+00
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	15	260	2.08E+00	6.79E-05	9.39E-04	2.37E+00
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	15	260	1.95E-01	6.36E-06	8.81E-05	2.22E-01
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	15	260	2.97E+00	1.02E-04	1.39E-03	3.39E+00
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	15	260	4.44E-01	1.52E-05	2.08E-04	5.06E-01
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	15	260	2.97E+00	1.02E-04	1.39E-03	3.39E+00
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	15	260	1.56E+00	5.34E-05	7.29E-04	1.78E+00
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	15	260	7.39E-02	2.54E-06	3.46E-05	8.43E-02
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	15	260	5.34E+00	1.83E-04	2.50E-03	6.09E+00
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	15	260	4.45E+00	1.53E-04	2.08E-03	5.07E+00
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	15	260	3.56E+00	1.22E-04	1.67E-03	4.06E+00
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	15	262	1.85E+00	6.47E-05	8.76E-04	2.11E+00
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	15	262	2.42E+00	8.45E-05	1.14E-03	2.76E+00
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	15	262	2.42E+00	8.45E-05	1.14E-03	2.76E+00
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	15	262	4.10E+00	1.44E-04	1.94E-03	4.69E+00
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	15	262	1.54E+00	5.38E-05	7.28E-04	1.76E+00
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	15	262	1.79E+00	6.27E-05	8.50E-04	2.05E+00
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	15	262	2.64E+00	9.22E-05	1.25E-03	3.01E+00
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	15	262	9.88E-01	3.46E-05	4.68E-04	1.13E+00
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	15	262	2.20E+00	7.68E-05	1.04E-03	2.51E+00
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	15	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	15	262	2.19E-01	7.66E-06	1.04E-04	2.50E-01
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	15	262	1.85E-01	6.48E-06	8.78E-05	2.12E-01

Haul Starting Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission Factor (g/min)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05

							Daily Emissions												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	15	1.39E-05	1.29E-02	6.10E-05	5.78E-09	0.00E+00	1.40E-08	1.40E-08	0.00E+00	1.29E-08	1.29E-08	5.84E-04	3.05E-09	2.65E-07
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	15	2.12E-07	1.96E-04	9.30E-07	8.82E-11	0.00E+00	2.13E-10	2.13E-10	0.00E+00	1.97E-10	1.97E-10	8.91E-06	4.66E-11	4.05E-09
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	15	5.09E-05	4.73E-02	2.24E-04	2.12E-08	0.00E+00	5.12E-08	5.12E-08	0.00E+00	4.74E-08	4.74E-08	2.14E-03	1.12E-08	9.74E-07
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	15	6.11E-05	5.68E-02	2.69E-04	2.55E-08	0.00E+00	6.15E-08	6.15E-08	0.00E+00	5.69E-08	5.69E-08	2.57E-03	1.34E-08	1.17E-06
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	15	1.78E-05	1.66E-02	7.84E-05	7.43E-09	0.00E+00	1.79E-08	1.79E-08	0.00E+00	1.66E-08	1.66E-08	7.51E-04	3.92E-09	3.41E-07
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	15	4.07E-05	3.78E-02	1.79E-04	1.70E-08	0.00E+00	4.10E-08	4.10E-08	0.00E+00	3.79E-08	3.79E-08	1.72E-03	8.97E-09	7.79E-07
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	15	4.30E-06	3.99E-03	1.89E-05	1.79E-09	0.00E+00	4.32E-09	4.32E-09	0.00E+00	4.00E-09	4.00E-09	1.81E-04	9.45E-10	8.22E-08
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	15	5.08E-06	4.71E-03	2.23E-05	2.12E-09	0.00E+00	5.11E-09	5.11E-09	0.00E+00	4.72E-09	4.72E-09	2.14E-04	1.12E-09	9.71E-08
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	15	1.10E-05	1.38E-02	5.75E-05	5.07E-09	0.00E+00	9.96E-09	9.96E-09	0.00E+00	9.16E-09	9.16E-09	5.12E-04	3.05E-09	2.15E-07
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	15	3.34E-07	4.22E-04	1.75E-06	1.55E-10	0.00E+00	3.04E-10	3.04E-10	0.00E+00	2.79E-10	2.79E-10	1.56E-05	9.31E-11	6.54E-09
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	15	4.02E-05	5.08E-02	2.11E-04	1.86E-08	0.00E+00	3.66E-08	3.66E-08	0.00E+00	3.36E-08	3.36E-08	1.88E-03	1.12E-08	7.88E-07
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	15	4.83E-05	6.10E-02	2.53E-04	2.23E-08	0.00E+00	4.39E-08	4.39E-08	0.00E+00	4.04E-08	4.04E-08	2.26E-03	1.35E-08	9.45E-07
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	15	4.83E-05	6.10E-02	2.53E-04	2.23E-08	0.00E+00	4.39E-08	4.39E-08	0.00E+00	4.04E-08	4.04E-08	2.26E-03	1.35E-08	9.45E-07
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	15	3.22E-05	4.06E-02	1.69E-04	1.49E-08	0.00E+00	2.93E-08	2.93E-08	0.00E+00	2.69E-08	2.69E-08	1.50E-03	8.97E-09	6.30E-07
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	15	4.01E-06	5.06E-03	2.11E-05	1.86E-09	0.00E+00	3.65E-09	3.65E-09	0.00E+00	3.35E-09	3.35E-09	1.87E-04	1.12E-09	7.85E-08
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	15	3.39E-06	4.29E-03	1.78E-05	1.57E-09	0.00E+00	3.08E-09	3.08E-09	0.00E+00	2.84E-09	2.84E-09	1.59E-04	9.46E-10	6.64E-08
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	15	1.57E-05	2.64E-02	8.96E-05	8.02E-09	0.00E+00	1.45E-08	1.45E-08	0.00E+00	1.33E-08	1.33E-08	8.10E-04	5.28E-09	2.66E-07
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	15	1.38E-07	2.33E-04	7.91E-07	7.08E-11	0.00E+00	1.28E-10	1.28E-10	0.00E+00	1.18E-10	1.18E-10	7.15E-06	4.67E-11	2.34E-09
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	15	1.83E-05	3.08E-02	1.05E-04	9.37E-09	0.00E+00	1.69E-08	1.69E-08	0.00E+00	1.56E-08	1.56E-08	9.47E-04	6.18E-09	3.10E-07
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	15	3.11E-05	5.24E-02	1.78E-04	1.59E-08	0.00E+00	2.88E-08	2.88E-08	0.00E+00	2.65E-08	2.65E-08	1.61E-03	1.05E-08	5.27E-07
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	15	1.17E-05	1.96E-02	6.67E-05	5.96E-09	0.00E+00	1.08E-08	1.08E-08	0.00E+00	9.91E-09	9.91E-09	6.03E-04	3.93E-09	1.98E-07
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	15	1.36E-05	2.29E-02	7.78E-05	6.96E-09	0.00E+00	1.26E-08	1.26E-08	0.00E+00	1.16E-08	1.16E-08	7.03E-04	4.59E-09	2.31E-07
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	15	2.00E-05	3.36E-02	1.14E-04	1.02E-08	0.00E+00	1.85E-08	1.85E-08	0.00E+00	1.70E-08	1.70E-08	1.03E-03	6.74E-09	3.39E-07
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	15	1.67E-05	2.80E-02	9.52E-05	8.52E-09	0.00E+00	1.54E-08	1.54E-08	0.00E+00	1.42E-08	1.42E-08	8.61E-04	5.62E-09	2.82E-07
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	15	1.50E-05	2.52E-02	8.57E-05	7.66E-09	0.00E+00	1.39E-08	1.39E-08	0.00E+00	1.27E-08	1.27E-08	7.75E-04	5.05E-09	2.54E-07
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	15	1.40E-06	2.36E-03	8.03E-06	7.19E-10	0.00E+00	1.30E-09	1.30E-09	0.00E+00	1.19E-09	1.19E-09	7.26E-05	4.74E-10	2.38E-08
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	15	1.81E-05	4.23E-02	1.27E-04	1.08E-08	0.00E+00	1.76E-08	1.76E-08	0.00E+00	1.62E-08	1.62E-08	1.09E-03	7.50E-09	3.19E-07
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	15	2.70E-06	6.31E-03	1.89E-05	1.61E-09	0.00E+00	2.62E-09	2.62E-09	0.00E+00	2.41E-09	2.41E-09	1.62E-04	1.12E-09	4.76E-08
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	15	1.81E-05	4.23E-02	1.27E-04	1.08E-08	0.00E+00	1.76E-08	1.76E-08	0.00E+00	1.62E-08	1.62E-08	1.09E-03	7.50E-09	3.19E-07
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	15	9.49E-06	2.22E-02	6.65E-05	5.64E-09	0.00E+00	9.20E-09	9.20E-09	0.00E+00	8.46E-09	8.46E-09	5.70E-04	3.93E-09	1.67E-07
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	15	4.51E-07	1.05E-03	3.15E-06	2.68E-10	0.00E+00	4.37E-10	4.37E-10	0.00E+00	4.02E-10	4.02E-10	2.70E-05	1.86E-10	7.94E-09
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	15	3.26E-05	7.60E-02	2.28E-04	1.93E-08	0.00E+00	3.16E-08	3.16E-08	0.00E+00	2.90E-08	2.90E-08	1.95E-03	1.35E-08	5.73E-07
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	15	2.71E-05	6.33E-02	1.90E-04	1.61E-08	0.00E+00	2.63E-08	2.63E-08	0.00E+00	2.42E-08	2.42E-08	1.63E-03	1.12E-08	4.78E-07
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	15	2.17E-05	5.07E-02	1.52E-04	1.29E-08	0.00E+00	2.10E-08	2.10E-08	0.00E+00	1.93E-08	1.93E-08	1.30E-03	8.97E-09	3.82E-07
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	15	9.59E-06	2.64E-02	7.31E-05	6.30E-09	0.00E+00	9.70E-09	9.70E-09	0.00E+00	8.92E-09	8.92E-09	6.36E-04	4.22E-09	1.59E-07
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	15	1.25E-05	3.45E-02	9.55E-05	8.23E-09	0.00E+00	1.27E-08	1.27E-08	0.00E+00	1.17E-08	1.17E-08	8.31E-04	5.51E-09	2.08E-07
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	15	1.25E-05	3.45E-02	9.55E-05	8.23E-09	0.00E+00	1.27E-08	1.27E-08	0.00E+00	1.17E-08	1.17E-08	8.31E-04	5.51E-09	2.08E-07
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	15	2.13E-05	5.87E-02	1.62E-04	1.40E-08	0.00E+00	2.15E-08	2.15E-08	0.00E+00	1.98E-08	1.98E-08	1.41E-03	9.37E-09	3.54E-07
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	15	7.98E-06	2.20E-02	6.08E-05	5.24E-09	0.00E+00	8.07E-09	8.07E-09	0.00E+00	7.42E-09	7.42E-09	5.29E-04	3.51E-09	1.32E-07
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	15	9.31E-06	2.57E-02	7.09E-05	6.11E-09	0.00E+00	9.41E-09	9.41E-09	0.00E+00	8.65E-09	8.65E-09	6.17E-04	4.10E-09	1.55E-07
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	15	1.37E-05	3.77E-02	1.04E-04	8.98E-09	0.00E+00	1.38E-08	1.38E-08	0.00E+00	1.27E-08	1.27E-08	9.07E-04	6.02E-09	2.27E-07
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	15	5.13E-06	1.41E-02	3.91E-05	3.37E-09	0.00E+00	5.19E-09	5.19E-09	0.00E+00	4.77E-09	4.77E-09	3.40E-04	2.26E-09	8.52E-08
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	15	1.14E-05	3.14E-02	8.68E-05	7.48E-09	0.00E+00	1.15E-08	1.15E-08	0.00E+00	1.06E-08	1.06E-08	7.56E-04	5.02E-09	1.89E-07
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	15	1.14E-06	3.13E-03	8.65E-06	7.46E-10	0.00E+00	1.15E-09	1.15E-09	0.00E+00	1.06E-09	1.06E-09	7.53E-05	5.00E-10	1.89E-08
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	15	9.61E-07	2.65E-03	7.32E-06	6.31E-10	0.00E+00	9.72E-10	9.72E-10	0.00E+00	8.94E-10	8.94E-10	6.38E-05	4.23E-10	1.60E-08

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
								MT/yr			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	15	262	6.94E-05	3.63E-10	3.15E-08	7.88E-05
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	15	262	1.06E-06	5.53E-12	4.81E-10	1.20E-06
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	15	262	2.55E-04	1.33E-09	1.16E-07	2.89E-04
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	15	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	15	262	3.06E-04	1.60E-09	1.39E-07	3.47E-04
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	15	262	8.92E-05	4.66E-10	4.05E-08	1.01E-04
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	15	262	2.04E-04	1.07E-09	9.26E-08	2.32E-04
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	15	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	15	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	15	262	2.15E-05	1.12E-10	9.76E-09	2.44E-05
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	15	262	2.54E-05	1.33E-10	1.15E-08	2.89E-05
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	15	261	6.07E-05	3.61E-10	2.54E-08	6.82E-05
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	15	261	1.85E-06	1.10E-11	7.75E-10	2.08E-06
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	15	261	2.23E-04	1.33E-09	9.32E-08	2.51E-04
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	15	261	2.67E-04	1.59E-09	1.12E-07	3.01E-04
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	15	261	2.67E-04	1.59E-09	1.12E-07	3.01E-04
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	15	261	1.78E-04	1.06E-09	7.46E-08	2.00E-04
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	15	261	2.22E-05	1.32E-10	9.30E-09	2.50E-05
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	15	261	1.88E-05	1.12E-10	7.87E-09	2.11E-05
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	15	260	9.55E-05	6.23E-10	3.13E-08	1.05E-04
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	15	260	8.43E-07	5.50E-12	2.77E-10	9.26E-07
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	15	260	1.12E-04	7.28E-10	3.66E-08	1.23E-04
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	15	260	1.90E-04	1.24E-09	6.22E-08	2.08E-04
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	15	260	7.11E-05	4.64E-10	2.33E-08	7.80E-05
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	15	260	8.29E-05	5.41E-10	2.72E-08	9.10E-05
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	15	260	1.22E-04	7.95E-10	3.99E-08	1.34E-04
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	15	260	1.02E-04	6.62E-10	3.33E-08	1.11E-04
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	15	260	9.13E-05	5.96E-10	2.99E-08	1.00E-04
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	15	260	8.56E-06	5.59E-11	2.81E-09	9.40E-06
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	15	260	1.28E-04	8.85E-10	3.77E-08	1.40E-04
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	15	260	1.91E-05	1.32E-10	5.62E-09	2.08E-05
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	15	260	1.28E-04	8.85E-10	3.77E-08	1.40E-04
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	15	260	6.72E-05	4.63E-10	1.97E-08	7.31E-05
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	15	260	3.19E-06	2.20E-11	9.36E-10	3.47E-06
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	15	260	2.30E-04	1.59E-09	6.76E-08	2.51E-04
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	15	260	1.92E-04	1.32E-09	5.63E-08	2.09E-04
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	15	260	1.54E-04	1.06E-09	4.51E-08	1.67E-04
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	15	262	7.56E-05	5.02E-10	1.89E-08	8.13E-05
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	15	262	9.88E-05	6.55E-10	2.47E-08	1.06E-04
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	15	262	9.88E-05	6.55E-10	2.47E-08	1.06E-04
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	15	262	1.68E-04	1.11E-09	4.20E-08	1.80E-04
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	15	262	6.29E-05	4.17E-10	1.57E-08	6.76E-05
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	15	262	7.34E-05	4.87E-10	1.84E-08	7.88E-05
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	15	262	1.08E-04	7.15E-10	2.70E-08	1.16E-04
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	15	262	4.04E-05	2.68E-10	1.01E-08	4.34E-05
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	15	262	8.98E-05	5.96E-10	2.25E-08	9.65E-05
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	15	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	15	262	8.95E-06	5.94E-11	2.24E-09	9.62E-06
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	15	262	7.58E-06	5.03E-11	1.90E-09	8.14E-06

OFFSITE Mobile Emissions		CO2	CH4	N2O	CO2e
PhaseName	CalEEMod Phase Name	MT/yr			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	244.62	0.01	0.02	251.96
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	49.08	0.00	0.00	50.13
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	532.61	0.02	0.07	554.11
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	71.96	0.00	0.01	74.37
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	352.22	0.02	0.05	367.17
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	262.58	0.01	0.03	272.63
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	271.26	0.01	0.04	282.94
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	0.00	0.00	0.00	0.00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	80.51	0.00	0.01	83.30
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	122.89	0.00	0.01	126.52
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	78.41	0.00	0.01	81.22
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	238.12	0.01	0.02	245.24
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	48.60	0.00	0.00	49.65
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	520.13	0.02	0.07	541.14
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	344.58	0.02	0.05	359.21
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	344.58	0.02	0.05	359.21
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	265.32	0.01	0.04	276.75
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	78.39	0.00	0.01	81.10
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	70.05	0.00	0.01	72.39
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	0.00	0.00	0.00	0.00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	76.45	0.00	0.01	79.19
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	119.57	0.00	0.01	123.09
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	299.16	0.01	0.03	309.25
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	61.36	0.00	0.01	63.17
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	288.96	0.01	0.04	300.45
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	351.19	0.02	0.04	364.95
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	248.02	0.01	0.03	257.50
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	169.24	0.01	0.02	176.04
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	205.10	0.01	0.03	213.51
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	285.81	0.01	0.04	297.11
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	0.00	0.00	0.00	0.00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	165.69	0.01	0.02	172.56
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	91.66	0.00	0.01	94.49
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	351.11	0.01	0.04	363.74
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	72.50	0.00	0.01	74.98
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	70.66	0.00	0.01	73.17
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	351.11	0.01	0.04	363.74
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	236.58	0.01	0.03	245.57
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	77.69	0.00	0.01	80.07
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	317.67	0.02	0.04	331.12
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	0.00	0.00	0.00	0.00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	479.94	0.02	0.06	499.23
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	0.00	0.00	0.00	0.00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	244.55	0.01	0.03	255.07
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	64.81	0.00	0.01	66.95
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	267.60	0.01	0.03	276.36
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	271.92	0.01	0.04	282.70
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	271.92	0.01	0.04	282.70
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	329.69	0.01	0.04	342.55
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	233.76	0.01	0.03	242.66
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	159.00	0.01	0.02	165.37
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	192.38	0.01	0.03	200.24
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	85.38	0.00	0.01	88.50
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	269.09	0.01	0.03	279.69
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	0.00	0.00	0.00	0.00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	70.75	0.00	0.01	73.21
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	86.66	0.00	0.01	89.30
	2020	2.07E+03	8.21E-02	2.56E-01	2.14E+03
	2021	2.11E+03	8.73E-02	2.65E-01	2.19E+03
	2022	2.17E+03	8.65E-02	2.71E-01	2.25E+03
	2023	2.27E+03	9.21E-02	2.84E-01	2.35E+03
	2024	2.24E+03	9.07E-02	2.78E-01	2.32E+03

Worker Running Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission Factor (g/mile)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
			Daily Worker Trips														
PhaseName	CalEEMod Phase Name	Year	(In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	25	6.62E-02	2.49E-01	3.14E+00	8.57E-03	9.50E-01	6.02E-03	9.56E-01	2.52E-01	5.54E-03	2.57E-01	8.66E+02	1.55E-02	2.09E-02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	25	1.99E-02	7.46E-02	9.41E-01	2.57E-03	2.85E-01	1.81E-03	2.87E-01	7.55E-02	1.66E-03	7.72E-02	2.60E+02	4.65E-03	6.27E-03
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	25	5.30E-02	1.99E-01	2.51E+00	6.85E-03	7.60E-01	4.81E-03	7.65E-01	2.01E-01	4.43E-03	2.06E-01	6.93E+02	1.24E-02	1.67E-02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	25	1.32E-02	4.97E-02	6.28E-01	1.71E-03	1.90E-01	1.20E-03	1.91E-01	5.03E-02	1.11E-03	5.15E-02	1.73E+02	3.10E-03	4.18E-03
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	25	3.31E-02	1.24E-01	1.57E+00	4.28E-03	4.75E-01	3.01E-03	4.78E-01	1.26E-01	2.77E-03	1.29E-01	4.33E+02	7.74E-03	1.05E-02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	25	3.31E-02	1.24E-01	1.57E+00	4.28E-03	4.75E-01	3.01E-03	4.78E-01	1.26E-01	2.77E-03	1.29E-01	4.33E+02	7.74E-03	1.05E-02
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	25	1.99E-02	7.46E-02	9.41E-01	2.57E-03	2.85E-01	1.81E-03	2.87E-01	7.55E-02	1.66E-03	7.72E-02	2.60E+02	4.65E-03	6.27E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	25	1.32E-02	4.97E-02	6.28E-01	1.71E-03	1.90E-01	1.20E-03	1.91E-01	5.03E-02	1.11E-03	5.15E-02	1.73E+02	3.10E-03	4.18E-03
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	25	3.31E-02	1.24E-01	1.57E+00	4.28E-03	4.75E-01	3.01E-03	4.78E-01	1.26E-01	2.77E-03	1.29E-01	4.33E+02	7.74E-03	1.05E-02
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	25	1.32E-02	4.97E-02	6.28E-01	1.71E-03	1.90E-01	1.20E-03	1.91E-01	5.03E-02	1.11E-03	5.15E-02	1.73E+02	3.10E-03	4.18E-03
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	25	5.71E-02	2.15E-01	2.83E+00	8.32E-03	9.50E-01	5.62E-03	9.55E-01	2.52E-01	5.17E-03	2.57E-01	8.41E+02	1.35E-02	1.89E-02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	25	1.71E-02	6.45E-02	8.49E-01	2.50E-03	2.85E-01	1.69E-03	2.87E-01	7.55E-02	1.55E-03	7.71E-02	2.52E+02	4.06E-03	5.66E-03
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	25	4.57E-02	1.72E-01	2.26E+00	6.66E-03	7.60E-01	4.50E-03	7.64E-01	2.01E-01	4.14E-03	2.06E-01	6.73E+02	1.08E-02	1.51E-02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	25	2.86E-02	1.07E-01	1.41E+00	4.16E-03	4.75E-01	2.81E-03	4.78E-01	1.26E-01	2.59E-03	1.28E-01	4.20E+02	6.77E-03	9.43E-03
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	25	2.86E-02	1.07E-01	1.41E+00	4.16E-03	4.75E-01	2.81E-03	4.78E-01	1.26E-01	2.59E-03	1.28E-01	4.20E+02	6.77E-03	9.43E-03
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	25	1.71E-02	6.45E-02	8.49E-01	2.50E-03	2.85E-01	1.69E-03	2.87E-01	7.55E-02	1.55E-03	7.71E-02	2.52E+02	4.06E-03	5.66E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	25	1.14E-02	4.30E-02	5.66E-01	1.66E-03	1.90E-01	1.12E-03	1.91E-01	5.03E-02	1.03E-03	5.14E-02	1.68E+02	2.71E-03	3.77E-03
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	25	1.14E-02	4.30E-02	5.66E-01	1.66E-03	1.90E-01	1.12E-03	1.91E-01	5.03E-02	1.03E-03	5.14E-02	1.68E+02	2.71E-03	3.77E-03
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	25	1.14E-02	4.30E-02	5.66E-01	1.66E-03	1.90E-01	1.12E-03	1.91E-01	5.03E-02	1.03E-03	5.14E-02	1.68E+02	2.71E-03	3.77E-03
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	25	2.86E-02	1.07E-01	1.41E+00	4.16E-03	4.75E-01	2.81E-03	4.78E-01	1.26E-01	2.59E-03	1.28E-01	4.20E+02	6.77E-03	9.43E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	25	4.94E-02	1.87E-01	2.57E+00	8.06E-03	9.50E-01	5.25E-03	9.55E-01	2.52E-01	4.84E-03	2.57E-01	8.15E+02	1.18E-02	1.71E-02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	25	1.23E-02	4.68E-02	6.42E-01	2.02E-03	2.37E-01	1.31E-03	2.39E-01	6.29E-02	1.21E-03	6.41E-02	2.04E+02	2.96E-03	4.29E-03
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	25	2.47E-02	9.36E-02	1.28E+00	4.03E-03	4.75E-01	2.63E-03	4.77E-01	1.26E-01	2.42E-03	1.28E-01	4.07E+02	5.92E-03	8.57E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	25	3.70E-02	1.40E-01	1.93E+00	6.05E-03	7.12E-01	3.94E-03	7.16E-01	1.89E-01	3.63E-03	1.92E-01	6.11E+02	8.88E-03	1.29E-02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	25	2.47E-02	9.36E-02	1.28E+00	4.03E-03	4.75E-01	2.63E-03	4.77E-01	1.26E-01	2.42E-03	1.28E-01	4.07E+02	5.92E-03	8.57E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	25	1.48E-02	5.61E-02	7.71E-01	2.42E-03	2.85E-01	1.58E-03	2.86E-01	7.55E-02	1.45E-03	7.70E-02	2.44E+02	3.55E-03	5.14E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	25	1.73E-02	6.55E-02	8.99E-01	2.82E-03	3.32E-01	1.84E-03	3.34E-01	8.81E-02	1.69E-03	8.98E-02	2.85E+02	4.15E-03	6.00E-03
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	25	2.47E-02	9.36E-02	1.28E+00	4.03E-03	4.75E-01	2.63E-03	4.77E-01	1.26E-01	2.42E-03	1.28E-01	4.07E+02	5.92E-03	8.57E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	25	1.23E-02	4.68E-02	6.42E-01	2.02E-03	2.37E-01	1.31E-03	2.39E-01	6.29E-02	1.21E-03	6.41E-02	2.04E+02	2.96E-03	4.29E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	25	1.73E-02	6.55E-02	8.99E-01	2.82E-03	3.32E-01	1.84E-03	3.34E-01	8.81E-02	1.69E-03	8.98E-02	2.85E+02	4.15E-03	6.00E-03
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	25	4.27E-02	1.64E-01	2.35E+00	7.80E-03	9.50E-01	4.94E-03	9.55E-01	2.52E-01	4.55E-03	2.56E-01	7.89E+02	1.04E-02	1.57E-02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	25	8.55E-03	3.28E-02	4.69E-01	1.56E-03	1.90E-01	9.88E-04	1.91E-01	5.03E-02	9.10E-04	5.13E-02	1.58E+02	2.08E-03	3.14E-03
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	25	8.55E-03	3.28E-02	4.69E-01	1.56E-03	1.90E-01	9.88E-04	1.91E-01	5.03E-02	9.10E-04	5.13E-02	1.58E+02	2.08E-03	3.14E-03
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	25	4.27E-02	1.64E-01	2.35E+00	7.80E-03	9.50E-01	4.94E-03	9.55E-01	2.52E-01	4.55E-03	2.56E-01	7.89E+02	1.04E-02	1.57E-02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	25	2.14E-02	8.19E-02	1.17E+00	3.90E-03	4.75E-01	2.47E-03	4.77E-01	1.26E-01	2.27E-03	1.28E-01	3.94E+02	5.20E-03	7.84E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	25	1.28E-02	4.91E-02	7.04E-01	2.34E-03	2.85E-01	1.48E-03	2.86E-01	7.55E-02	1.36E-03	7.69E-02	2.37E+02	3.12E-03	4.70E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	25	2.14E-02	8.19E-02	1.17E+00	3.90E-03	4.75E-01	2.47E-03	4.77E-01	1.26E-01	2.27E-03	1.28E-01	3.94E+02	5.20E-03	7.84E-03
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	25	3.42E-02	1.31E-01	1.88E+00	6.24E-03	7.60E-01	3.95E-03	7.64E-01	2.01E-01	3.64E-03	2.05E-01	6.31E+02	8.32E-03	1.25E-02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	25	1.28E-02	4.91E-02	7.04E-01	2.34E-03	2.85E-01	1.48E-03	2.86E-01	7.55E-02	1.36E-03	7.69E-02	2.37E+02	3.12E-03	4.70E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	25	8.55E-03	3.28E-02	4.69E-01	1.56E-03	1.90E-01	9.88E-04	1.91E-01	5.03E-02	9.10E-04	5.13E-02	1.58E+02	2.08E-03	3.14E-03
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	25	3.77E-02	1.45E-01	2.17E+00	7.57E-03	9.50E-01	4.73E-03	9.54E-01	2.52E-01	4.35E-03	2.56E-01	7.66E+02	9.28E-03	1.45E-02
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	25	1.88E-02	7.24E-02	1.09E+00	3.79E-03	4.75E-01	2.36E-03	4.77E-01	1.26E-01	2.18E-03	1.28E-01	3.83E+02	4.64E-03	7.24E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	25	1.88E-02	7.24E-02	1.09E+00	3.79E-03	4.75E-01	2.36E-03	4.77E-01	1.26E-01	2.18E-03	1.28E-01	3.83E+02	4.64E-03	7.24E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	25	2.82E-02	1.09E-01	1.63E+00	5.68E-03	7.12E-01	3.55E-03	7.16E-01	1.89E-01	3.26E-03	1.92E-01	5.74E+02	6.96E-03	1.09E-02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	25	1.88E-02	7.24E-02	1.09E+00	3.79E-03	4.75E-01	2.36E-03	4.77E-01	1.26E-01	2.18E-03	1.28E-01	3.83E+02	4.64E-03	7.24E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	25	1.13E-02	4.35E-02	6.52E-01	2.27E-03	2.85E-01	1.42E-03	2.86E-01	7.55E-02	1.31E-03	7.68E-02	2.30E+02	2.78E-03	4.35E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	25	1.32E-02	5.07E-02	7.61E-01	2.65E-03	3.32E-01	1.65E-03	3.34E-01	8.81E-02	1.52E-03	8.96E-02	2.68E+02	3.25E-03	5.07E-03
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	25	9.42E-03	3.62E-02	5.43E-01	1.89E-03	2.37E-01	1.18E-03	2.39E-01	6.29E-02	1.09E-03	6.40E-02	1.91E+02	2.32E-03	3.62E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	25	1.88E-02	7.24E-02	1.09E+00	3.79E-03	4.75E-01	2.36E-03	4.77E-01	1.26E-01	2.18E-03	1.28E-01	3.83E+02	4.64E-03	7.24E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	25	7.53E-03	2.90E-02	4.35E-01	1.51E-03	1.90E-01	9.45E-04	1.91E-01	5.03E-02	8.70E-04	5.12E-02	1.53E+02	1.86E-03	2.90E-03
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	25	1.32E-02	5.07E-02	7.61E-01	2.65E-03	3.32E-01	1.65E-03	3.34E-01	8.81E-02	1.52E-03	8.96E-02	2.68E+02	3.25E-03	5.07E-03

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
						MT/yr			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	25	262	1.03E+02	1.84E-03	2.48E-03	1.04E+02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	25	262	3.09E+01	5.52E-04	7.45E-04	3.11E+01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	25	262	8.23E+01	1.47E-03	1.99E-03	8.30E+01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	25	262	2.06E+01	3.68E-04	4.97E-04	2.07E+01
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	25	262	5.15E+01	9.20E-04	1.24E-03	5.19E+01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	25	262	5.15E+01	9.20E-04	1.24E-03	5.19E+01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	25	262	3.09E+01	5.52E-04	7.45E-04	3.11E+01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	25	262	2.06E+01	3.68E-04	4.97E-04	2.07E+01
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	25	262	5.15E+01	9.20E-04	1.24E-03	5.19E+01
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	25	262	2.06E+01	3.68E-04	4.97E-04	2.07E+01
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	25	261	9.96E+01	1.60E-03	2.23E-03	1.00E+02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	25	261	2.99E+01	4.81E-04	6.70E-04	3.01E+01
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	25	261	7.96E+01	1.28E-03	1.79E-03	8.02E+01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	25	261	4.98E+01	8.01E-04	1.12E-03	5.01E+01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	25	261	4.98E+01	8.01E-04	1.12E-03	5.01E+01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	25	261	2.99E+01	4.81E-04	6.70E-04	3.01E+01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	25	261	1.99E+01	3.20E-04	4.47E-04	2.01E+01
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	25	261	1.99E+01	3.20E-04	4.47E-04	2.01E+01
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	25	261	1.99E+01	3.20E-04	4.47E-04	2.01E+01
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	25	261	4.98E+01	8.01E-04	1.12E-03	5.01E+01
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	25	260	9.61E+01	1.40E-03	2.02E-03	9.67E+01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	25	260	2.40E+01	3.49E-04	5.06E-04	2.42E+01
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	25	260	4.80E+01	6.98E-04	1.01E-03	4.84E+01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	25	260	7.21E+01	1.05E-03	1.52E-03	7.25E+01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	25	260	4.80E+01	6.98E-04	1.01E-03	4.84E+01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	25	260	2.88E+01	4.19E-04	6.07E-04	2.90E+01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	25	260	3.36E+01	4.89E-04	7.08E-04	3.39E+01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	25	260	4.80E+01	6.98E-04	1.01E-03	4.84E+01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	25	260	2.40E+01	3.49E-04	5.06E-04	2.42E+01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	25	260	3.36E+01	4.89E-04	7.08E-04	3.39E+01
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	25	260	9.30E+01	1.23E-03	1.85E-03	9.36E+01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	25	260	1.86E+01	2.45E-04	3.70E-04	1.87E+01
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	25	260	1.86E+01	2.45E-04	3.70E-04	1.87E+01
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	25	260	9.30E+01	1.23E-03	1.85E-03	9.36E+01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	25	260	4.65E+01	6.13E-04	9.25E-04	4.68E+01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	25	260	2.79E+01	3.68E-04	5.55E-04	2.81E+01
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	25	260	4.65E+01	6.13E-04	9.25E-04	4.68E+01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	25	260	7.44E+01	9.81E-04	1.48E-03	7.49E+01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	25	260	2.79E+01	3.68E-04	5.55E-04	2.81E+01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	25	260	1.86E+01	2.45E-04	3.70E-04	1.87E+01
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	25	262	9.10E+01	1.10E-03	1.72E-03	9.15E+01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	25	262	4.55E+01	5.51E-04	8.61E-04	4.58E+01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	25	262	4.55E+01	5.51E-04	8.61E-04	4.58E+01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	25	262	6.82E+01	8.27E-04	1.29E-03	6.86E+01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	25	262	4.55E+01	5.51E-04	8.61E-04	4.58E+01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	25	262	2.73E+01	3.31E-04	5.16E-04	2.75E+01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	25	262	3.18E+01	3.86E-04	6.03E-04	3.20E+01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	25	262	2.27E+01	2.76E-04	4.30E-04	2.29E+01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	25	262	4.55E+01	5.51E-04	8.61E-04	4.58E+01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	25	262	1.82E+01	2.20E-04	3.44E-04	1.83E+01
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	25	262	3.18E+01	3.86E-04	6.03E-04	3.20E+01

Worker Starting Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission Factor (g/trip)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	25	6.03E-02	1.46E-02	1.34E-01	3.46E-05	0.00E+00	1.27E-04	1.27E-04	0.00E+00	1.17E-04	1.17E-04	3.50E+00	3.85E-03	1.67E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	25	1.81E-02	4.38E-03	4.02E-02	1.04E-05	0.00E+00	3.81E-05	3.81E-05	0.00E+00	3.50E-05	3.50E-05	1.05E+00	1.16E-03	5.01E-04
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	25	4.83E-02	1.17E-02	1.07E-01	2.77E-05	0.00E+00	1.02E-04	1.02E-04	0.00E+00	9.34E-05	9.34E-05	2.80E+00	3.08E-03	1.34E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	25	1.21E-02	2.92E-03	2.68E-02	6.92E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.34E-05	2.34E-05	7.00E-01	7.71E-04	3.34E-04
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	25	3.02E-02	7.31E-03	6.71E-02	1.73E-05	0.00E+00	6.35E-05	6.35E-05	0.00E+00	5.84E-05	5.84E-05	1.75E+00	1.93E-03	8.35E-04
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	25	3.02E-02	7.31E-03	6.71E-02	1.73E-05	0.00E+00	6.35E-05	6.35E-05	0.00E+00	5.84E-05	5.84E-05	1.75E+00	1.93E-03	8.35E-04
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	25	1.81E-02	4.38E-03	4.02E-02	1.04E-05	0.00E+00	3.81E-05	3.81E-05	0.00E+00	3.50E-05	3.50E-05	1.05E+00	1.16E-03	5.01E-04
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	25	1.21E-02	2.92E-03	2.68E-02	6.92E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.34E-05	2.34E-05	7.00E-01	7.71E-04	3.34E-04
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	25	3.02E-02	7.31E-03	6.71E-02	1.73E-05	0.00E+00	6.35E-05	6.35E-05	0.00E+00	5.84E-05	5.84E-05	1.75E+00	1.93E-03	8.35E-04
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	25	1.21E-02	2.92E-03	2.68E-02	6.92E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.34E-05	2.34E-05	7.00E-01	7.71E-04	3.34E-04
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	25	5.58E-02	1.34E-02	1.30E-01	3.36E-05	0.00E+00	1.19E-04	1.19E-04	0.00E+00	1.10E-04	1.10E-04	3.39E+00	3.54E-03	1.59E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	25	1.67E-02	4.03E-03	3.89E-02	1.01E-05	0.00E+00	3.58E-05	3.58E-05	0.00E+00	3.29E-05	3.29E-05	1.02E+00	1.06E-03	4.78E-04
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	25	4.46E-02	1.07E-02	1.04E-01	2.69E-05	0.00E+00	9.54E-05	9.54E-05	0.00E+00	8.77E-05	8.77E-05	2.71E+00	2.83E-03	1.27E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	25	2.79E-02	6.71E-03	6.48E-02	1.68E-05	0.00E+00	5.96E-05	5.96E-05	0.00E+00	5.48E-05	5.48E-05	1.70E+00	1.77E-03	7.96E-04
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	25	2.79E-02	6.71E-03	6.48E-02	1.68E-05	0.00E+00	5.96E-05	5.96E-05	0.00E+00	5.48E-05	5.48E-05	1.70E+00	1.77E-03	7.96E-04
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	25	1.67E-02	4.03E-03	3.89E-02	1.01E-05	0.00E+00	3.58E-05	3.58E-05	0.00E+00	3.29E-05	3.29E-05	1.02E+00	1.06E-03	4.78E-04
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	25	1.12E-02	2.68E-03	2.59E-02	6.71E-06	0.00E+00	2.38E-05	2.38E-05	0.00E+00	2.19E-05	2.19E-05	6.78E-01	7.08E-04	3.18E-04
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	25	1.12E-02	2.68E-03	2.59E-02	6.71E-06	0.00E+00	2.38E-05	2.38E-05	0.00E+00	2.19E-05	2.19E-05	6.78E-01	7.08E-04	3.18E-04
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	25	1.12E-02	2.68E-03	2.59E-02	6.71E-06	0.00E+00	2.38E-05	2.38E-05	0.00E+00	2.19E-05	2.19E-05	6.78E-01	7.08E-04	3.18E-04
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	25	2.79E-02	6.71E-03	6.48E-02	1.68E-05	0.00E+00	5.96E-05	5.96E-05	0.00E+00	5.48E-05	5.48E-05	1.70E+00	1.77E-03	7.96E-04
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	25	5.18E-02	1.24E-02	1.25E-01	3.25E-05	0.00E+00	1.12E-04	1.12E-04	0.00E+00	1.03E-04	1.03E-04	3.29E+00	3.26E-03	1.52E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	25	1.29E-02	3.09E-03	3.13E-02	8.13E-06	0.00E+00	2.81E-05	2.81E-05	0.00E+00	2.58E-05	2.58E-05	8.22E-01	8.15E-04	3.79E-04
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	25	2.59E-02	6.18E-03	6.26E-02	1.63E-05	0.00E+00	5.62E-05	5.62E-05	0.00E+00	5.17E-05	5.17E-05	1.64E+00	1.63E-03	7.59E-04
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	25	3.88E-02	9.27E-03	9.39E-02	2.44E-05	0.00E+00	8.43E-05	8.43E-05	0.00E+00	7.75E-05	7.75E-05	2.46E+00	2.45E-03	1.14E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	25	2.59E-02	6.18E-03	6.26E-02	1.63E-05	0.00E+00	5.62E-05	5.62E-05	0.00E+00	5.17E-05	5.17E-05	1.64E+00	1.63E-03	7.59E-04
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	25	1.55E-02	3.71E-03	3.76E-02	9.76E-06	0.00E+00	3.37E-05	3.37E-05	0.00E+00	3.10E-05	3.10E-05	9.86E-01	9.78E-04	4.55E-04
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	25	1.81E-02	4.33E-03	4.38E-02	1.14E-05	0.00E+00	3.93E-05	3.93E-05	0.00E+00	3.62E-05	3.62E-05	1.15E+00	1.14E-03	5.31E-04
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	25	2.59E-02	6.18E-03	6.26E-02	1.63E-05	0.00E+00	5.62E-05	5.62E-05	0.00E+00	5.17E-05	5.17E-05	1.64E+00	1.63E-03	7.59E-04
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	25	1.29E-02	3.09E-03	3.13E-02	8.13E-06	0.00E+00	2.81E-05	2.81E-05	0.00E+00	2.58E-05	2.58E-05	8.22E-01	8.15E-04	3.79E-04
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	25	1.81E-02	4.33E-03	4.38E-02	1.14E-05	0.00E+00	3.93E-05	3.93E-05	0.00E+00	3.62E-05	3.62E-05	1.15E+00	1.14E-03	5.31E-04
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	25	4.83E-02	1.14E-02	1.21E-01	3.15E-05	0.00E+00	1.07E-04	1.07E-04	0.00E+00	9.79E-05	9.79E-05	3.18E+00	3.00E-03	1.45E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	25	9.65E-03	2.29E-03	2.42E-02	6.30E-06	0.00E+00	2.13E-05	2.13E-05	0.00E+00	1.96E-05	1.96E-05	6.36E-01	6.01E-04	2.89E-04
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	25	9.65E-03	2.29E-03	2.42E-02	6.30E-06	0.00E+00	2.13E-05	2.13E-05	0.00E+00	1.96E-05	1.96E-05	6.36E-01	6.01E-04	2.89E-04
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	25	4.83E-02	1.14E-02	1.21E-01	3.15E-05	0.00E+00	1.07E-04	1.07E-04	0.00E+00	9.79E-05	9.79E-05	3.18E+00	3.00E-03	1.45E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	25	2.41E-02	5.71E-03	6.05E-02	1.57E-05	0.00E+00	5.33E-05	5.33E-05	0.00E+00	4.90E-05	4.90E-05	1.59E+00	1.50E-03	7.23E-04
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	25	1.45E-02	3.43E-03	3.63E-02	9.44E-06	0.00E+00	3.20E-05	3.20E-05	0.00E+00	2.94E-05	2.94E-05	9.54E-01	9.01E-04	4.34E-04
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	25	2.41E-02	5.71E-03	6.05E-02	1.57E-05	0.00E+00	5.33E-05	5.33E-05	0.00E+00	4.90E-05	4.90E-05	1.59E+00	1.50E-03	7.23E-04
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	25	3.86E-02	9.14E-03	9.67E-02	2.52E-05	0.00E+00	8.52E-05	8.52E-05	0.00E+00	7.84E-05	7.84E-05	2.54E+00	2.40E-03	1.16E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	25	1.45E-02	3.43E-03	3.63E-02	9.44E-06	0.00E+00	3.20E-05	3.20E-05	0.00E+00	2.94E-05	2.94E-05	9.54E-01	9.01E-04	4.34E-04
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	25	9.65E-03	2.29E-03	2.42E-02	6.30E-06	0.00E+00	2.13E-05	2.13E-05	0.00E+00	1.96E-05	1.96E-05	6.36E-01	6.01E-04	2.89E-04
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	25	4.51E-02	1.06E-02	1.17E-01	3.04E-05	0.00E+00	1.02E-04	1.02E-04	0.00E+00	9.34E-05	9.34E-05	3.08E+00	2.77E-03	1.38E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	25	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	25	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	25	3.38E-02	7.95E-03	8.74E-02	2.28E-05	0.00E+00	7.61E-05	7.61E-05	0.00E+00	7.00E-05	7.00E-05	2.31E+00	2.08E-03	1.03E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	25	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	25	1.35E-02	3.18E-03	3.50E-02	9.13E-06	0.00E+00	3.05E-05	3.05E-05	0.00E+00	2.80E-05	2.80E-05	9.23E-01	8.30E-04	4.13E-04
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	25	1.58E-02	3.71E-03	4.08E-02	1.07E-05	0.00E+00	3.55E-05	3.55E-05	0.00E+00	3.27E-05	3.27E-05	1.08E+00	9.69E-04	4.82E-04
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	25	1.13E-02	2.65E-03	2.91E-02	7.61E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.33E-05	2.33E-05	7.69E-01	6.92E-04	3.44E-04
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	25	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	25	9.02E-03	2.12E-03	2.33E-02	6.09E-06	0.00E+00	2.03E-05	2.03E-05	0.00E+00	1.87E-05	1.87E-05	6.15E-01	5.54E-04	2.75E-04
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	25	1.58E-02	3.71E-03	4.08E-02	1.07E-05	0.00E+00	3.55E-05	3.55E-05	0.00E+00	3.27E-05	3.27E-05	1.08E+00	9.69E-04	4.82E-04

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
						MT/yr			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	25	262	4.16E-01	4.58E-04	1.98E-04	4.86E-01
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	25	262	1.25E-01	1.37E-04	5.95E-05	1.46E-01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	25	262	3.33E-01	3.66E-04	1.59E-04	3.89E-01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	25	262	8.31E-02	9.16E-05	3.97E-05	9.73E-02
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	25	262	2.08E-01	2.29E-04	9.92E-05	2.43E-01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	25	262	2.08E-01	2.29E-04	9.92E-05	2.43E-01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	25	262	1.25E-01	1.37E-04	5.95E-05	1.46E-01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	25	262	8.31E-02	9.16E-05	3.97E-05	9.73E-02
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	25	262	2.08E-01	2.29E-04	9.92E-05	2.43E-01
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	25	262	8.31E-02	9.16E-05	3.97E-05	9.73E-02
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	25	261	4.02E-01	4.19E-04	1.88E-04	4.68E-01
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	25	261	1.20E-01	1.26E-04	5.65E-05	1.40E-01
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	25	261	3.21E-01	3.35E-04	1.51E-04	3.75E-01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	25	261	2.01E-01	2.10E-04	9.42E-05	2.34E-01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	25	261	2.01E-01	2.10E-04	9.42E-05	2.34E-01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	25	261	1.20E-01	1.26E-04	5.65E-05	1.40E-01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	25	261	8.03E-02	8.39E-05	3.77E-05	9.36E-02
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	25	261	8.03E-02	8.39E-05	3.77E-05	9.36E-02
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	25	261	8.03E-02	8.39E-05	3.77E-05	9.36E-02
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	25	261	2.01E-01	2.10E-04	9.42E-05	2.34E-01
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	25	260	3.88E-01	3.85E-04	1.79E-04	4.50E-01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	25	260	9.69E-02	9.61E-05	4.47E-05	1.13E-01
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	25	260	1.94E-01	1.92E-04	8.95E-05	2.25E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	25	260	2.91E-01	2.88E-04	1.34E-04	3.38E-01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	25	260	1.94E-01	1.92E-04	8.95E-05	2.25E-01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	25	260	1.16E-01	1.15E-04	5.37E-05	1.35E-01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	25	260	1.36E-01	1.35E-04	6.26E-05	1.58E-01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	25	260	1.94E-01	1.92E-04	8.95E-05	2.25E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	25	260	9.69E-02	9.61E-05	4.47E-05	1.13E-01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	25	260	1.36E-01	1.35E-04	6.26E-05	1.58E-01
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	25	260	3.75E-01	3.54E-04	1.71E-04	4.35E-01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	25	260	7.50E-02	7.09E-05	3.41E-05	8.70E-02
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	25	260	7.50E-02	7.09E-05	3.41E-05	8.70E-02
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	25	260	3.75E-01	3.54E-04	1.71E-04	4.35E-01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	25	260	1.88E-01	1.77E-04	8.53E-05	2.17E-01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	25	260	1.13E-01	1.06E-04	5.12E-05	1.30E-01
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	25	260	1.88E-01	1.77E-04	8.53E-05	2.17E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	25	260	3.00E-01	2.83E-04	1.36E-04	3.48E-01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	25	260	1.13E-01	1.06E-04	5.12E-05	1.30E-01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	25	260	7.50E-02	7.09E-05	3.41E-05	8.70E-02
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	25	262	3.66E-01	3.29E-04	1.64E-04	4.23E-01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	25	262	1.83E-01	1.64E-04	8.18E-05	2.11E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	25	262	1.83E-01	1.64E-04	8.18E-05	2.11E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	25	262	2.74E-01	2.47E-04	1.23E-04	3.17E-01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	25	262	1.83E-01	1.64E-04	8.18E-05	2.11E-01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	25	262	1.10E-01	9.87E-05	4.91E-05	1.27E-01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	25	262	1.28E-01	1.15E-04	5.73E-05	1.48E-01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	25	262	9.14E-02	8.22E-05	4.09E-05	1.06E-01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	25	262	1.83E-01	1.64E-04	8.18E-05	2.11E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	25	262	7.31E-02	6.58E-05	3.27E-05	8.45E-02
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	25	262	1.28E-01	1.15E-04	5.73E-05	1.48E-01

						Vendor Running Emission Factors												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission Factor (g/mile)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	25	15	6.77E-02	1.72E+00	3.64E-01	6.03E-03	2.08E-01	3.40E-02	2.42E-01	5.98E-02	3.25E-02	9.23E-02	6.47E+02	2.20E-02	9.30E-02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	25	15	1.50E-02	3.82E-01	8.10E-02	1.34E-03	4.62E-02	7.56E-03	5.38E-02	1.33E-02	7.23E-03	2.05E-02	1.44E+02	4.89E-03	2.07E-02
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	25	15	1.88E-01	4.77E+00	1.01E+00	1.68E-02	5.78E-01	9.45E-02	6.72E-01	1.66E-01	9.04E-02	2.56E-01	1.80E+03	6.11E-02	2.58E-01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	25	15	4.51E-02	1.15E+00	2.43E-01	4.02E-03	1.39E-01	2.27E-02	1.61E-01	3.99E-02	2.17E-02	6.15E-02	4.32E+02	1.47E-02	6.20E-02
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	25	15	1.50E-02	3.82E-01	8.10E-02	1.34E-03	4.62E-02	7.56E-03	5.38E-02	1.33E-02	7.23E-03	2.05E-02	1.44E+02	4.89E-03	2.07E-02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	25	15	1.13E-01	2.86E+00	6.07E-01	1.01E-02	3.47E-01	5.67E-02	4.03E-01	9.96E-02	5.42E-02	1.54E-01	1.08E+03	3.67E-02	1.55E-01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	25	15	4.51E-02	1.15E+00	2.43E-01	4.02E-03	1.39E-01	2.27E-02	1.61E-01	3.99E-02	2.17E-02	6.15E-02	4.32E+02	1.47E-02	6.20E-02
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	25	15	5.26E-02	1.34E+00	2.83E-01	4.69E-03	1.62E-01	2.64E-02	1.88E-01	4.65E-02	2.53E-02	7.18E-02	5.04E+02	1.71E-02	7.24E-02
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	25	15	4.51E-02	1.15E+00	2.43E-01	4.02E-03	1.39E-01	2.27E-02	1.61E-01	3.99E-02	2.17E-02	6.15E-02	4.32E+02	1.47E-02	6.20E-02
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	25	15	3.01E-02	7.64E-01	1.62E-01	2.68E-03	9.24E-02	1.51E-02	1.08E-01	2.66E-02	1.45E-02	4.10E-02	2.88E+02	9.77E-03	4.13E-02
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	25	15	5.50E-02	1.51E+00	3.15E-01	5.90E-03	2.08E-01	2.81E-02	2.36E-01	5.98E-02	2.69E-02	8.67E-02	6.34E+02	2.16E-02	9.12E-02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	25	15	1.22E-02	3.35E-01	6.99E-02	1.31E-03	4.62E-02	6.25E-03	5.25E-02	1.33E-02	5.98E-03	1.93E-02	1.41E+02	4.79E-03	2.03E-02
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	25	15	1.53E-01	4.18E+00	8.74E-01	1.64E-02	5.78E-01	7.82E-02	6.56E-01	1.66E-01	7.48E-02	2.41E-01	1.76E+03	5.99E-02	2.53E-01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	25	15	1.22E-02	3.35E-01	6.99E-02	1.31E-03	4.62E-02	6.25E-03	5.25E-02	1.33E-02	5.98E-03	1.93E-02	1.41E+02	4.79E-03	2.03E-02
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	25	15	1.22E-02	3.35E-01	6.99E-02	1.31E-03	4.62E-02	6.25E-03	5.25E-02	1.33E-02	5.98E-03	1.93E-02	1.41E+02	4.79E-03	2.03E-02
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	25	15	3.66E-02	1.00E+00	2.10E-01	3.93E-03	1.39E-01	1.88E-02	1.57E-01	3.99E-02	1.80E-02	5.78E-02	4.23E+02	1.44E-02	6.08E-02
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	25	15	4.28E-02	1.17E+00	2.45E-01	4.59E-03	1.62E-01	2.19E-02	1.84E-01	4.65E-02	2.09E-02	6.74E-02	4.93E+02	1.68E-02	7.09E-02
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	25	15	3.66E-02	1.00E+00	2.10E-01	3.93E-03	1.39E-01	1.88E-02	1.57E-01	3.99E-02	1.80E-02	5.78E-02	4.23E+02	1.44E-02	6.08E-02
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	25	15	2.44E-02	6.70E-01	1.40E-01	2.62E-03	9.24E-02	1.25E-02	1.05E-01	2.66E-02	1.20E-02	3.85E-02	2.82E+02	9.59E-03	4.05E-02
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	25	15	3.66E-02	1.00E+00	2.10E-01	3.93E-03	1.39E-01	1.88E-02	1.57E-01	3.99E-02	1.80E-02	5.78E-02	4.23E+02	1.44E-02	6.08E-02
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	25	15	4.26E-02	1.60E+00	3.09E-01	7.63E-03	2.77E-01	2.06E-02	2.98E-01	7.97E-02	1.98E-02	9.95E-02	8.21E+02	2.75E-02	1.18E-01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	25	15	1.60E-02	6.02E-01	1.16E-01	2.86E-03	1.04E-01	7.74E-03	1.12E-01	2.99E-02	7.41E-03	3.73E-02	3.08E+02	1.03E-02	4.43E-02
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	25	15	5.15E-02	1.94E+00	3.74E-01	9.22E-03	3.35E-01	2.50E-02	3.60E-01	9.63E-02	2.39E-02	1.20E-01	9.92E+02	3.32E-02	1.43E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	25	15	3.02E-02	1.14E+00	2.19E-01	5.40E-03	1.96E-01	1.46E-02	2.11E-01	5.65E-02	1.40E-02	7.04E-02	5.81E+02	1.95E-02	8.36E-02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	25	15	5.32E-02	2.01E+00	3.86E-01	9.54E-03	3.47E-01	2.58E-02	3.72E-01	9.96E-02	2.47E-02	1.24E-01	1.03E+03	3.43E-02	1.48E-01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	25	15	2.13E-02	8.02E-01	1.55E-01	3.82E-03	1.39E-01	1.03E-02	1.49E-01	3.99E-02	9.88E-03	4.97E-02	4.10E+02	1.37E-02	5.90E-02
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	25	15	1.60E-02	6.02E-01	1.16E-01	2.86E-03	1.04E-01	7.74E-03	1.12E-01	2.99E-02	7.41E-03	3.73E-02	3.08E+02	1.03E-02	4.43E-02
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	25	15	5.50E-02	2.07E+00	3.99E-01	9.86E-03	3.58E-01	2.67E-02	3.85E-01	1.03E-01	2.55E-02	1.28E-01	1.06E+03	3.55E-02	1.52E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	25	15	1.77E-02	6.69E-01	1.29E-01	3.18E-03	1.16E-01	8.60E-03	1.24E-01	3.32E-02	8.23E-03	4.14E-02	3.42E+02	1.14E-02	4.92E-02
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	25	15	2.13E-02	8.02E-01	1.55E-01	3.82E-03	1.39E-01	1.03E-02	1.49E-01	3.99E-02	9.88E-03	4.97E-02	4.10E+02	1.37E-02	5.90E-02
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	25	15	1.53E-02	1.44E+00	2.70E-01	9.08E-03	3.47E-01	1.11E-02	3.58E-01	9.96E-02	1.07E-02	1.10E-01	9.78E+02	3.27E-02	1.40E-01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	25	15	7.14E-03	6.71E-01	1.26E-01	4.24E-03	1.62E-01	5.20E-03	1.67E-01	4.65E-02	4.98E-03	5.15E-02	4.56E+02	1.53E-02	6.55E-02
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	25	15	4.08E-03	3.83E-01	7.20E-02	2.42E-03	9.24E-02	2.97E-03	9.54E-02	2.66E-02	2.84E-03	2.94E-02	2.61E+02	8.72E-03	3.74E-02
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	25	15	1.53E-02	1.44E+00	2.70E-01	9.08E-03	3.47E-01	1.11E-02	3.58E-01	9.96E-02	1.07E-02	1.10E-01	9.78E+02	3.27E-02	1.40E-01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	25	15	1.53E-02	1.44E+00	2.70E-01	9.08E-03	3.47E-01	1.11E-02	3.58E-01	9.96E-02	1.07E-02	1.10E-01	9.78E+02	3.27E-02	1.40E-01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	25	15	6.12E-03	5.75E-01	1.08E-01	3.63E-03	1.39E-01	4.46E-03	1.43E-01	3.99E-02	4.26E-03	4.41E-02	3.91E+02	1.31E-02	5.62E-02
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	25	15	2.04E-03	1.92E-01	3.60E-02	1.21E-03	4.62E-02	1.49E-03	4.77E-02	1.33E-02	1.42E-03	1.47E-02	1.30E+02	4.36E-03	1.87E-02
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	25	15	2.55E-02	2.39E+00	4.50E-01	1.51E-02	5.78E-01	1.86E-02	5.96E-01	1.66E-01	1.78E-02	1.84E-01	1.63E+03	5.45E-02	2.34E-01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	25	15	6.12E-03	5.75E-01	1.08E-01	3.63E-03	1.39E-01	4.46E-03	1.43E-01	3.99E-02	4.26E-03	4.41E-02	3.91E+02	1.31E-02	5.62E-02
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	25	15	6.12E-03	5.75E-01	1.08E-01	3.63E-03	1.39E-01	4.46E-03	1.43E-01	3.99E-02	4.26E-03	4.41E-02	3.91E+02	1.31E-02	5.62E-02
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	25	15	1.13E-02	1.11E+00	2.02E-01	6.85E-03	2.66E-01	8.57E-03	2.74E-01	7.64E-02	8.20E-03	8.46E-02	7.39E+02	2.51E-02	1.06E-01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	25	15	1.43E-02	1.40E+00	2.54E-01	8.64E-03	3.35E-01	1.08E-02	3.46E-01	9.63E-02	1.03E-02	1.07E-01	9.32E+02	3.17E-02	1.34E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	25	15	1.43E-02	1.40E+00	2.54E-01	8.64E-03	3.35E-01	1.08E-02	3.46E-01	9.63E-02	1.03E-02	1.07E-01	9.32E+02	3.17E-02	1.34E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	25	15	8.36E-03	8.21E-01	1.49E-01	5.07E-03	1.96E-01	6.34E-03	2.03E-01	5.65E-02	6.06E-03	6.25E-02	5.46E+02	1.86E-02	7.85E-02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	25	15	1.48E-02	1.45E+00	2.63E-01	8.94E-03	3.47E-01	1.12E-02	3.58E-01	9.96E-02	1.07E-02	1.10E-01	9.64E+02	3.27E-02	1.39E-01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	25	15	5.90E-03	5.79E-01	1.05E-01	3.58E-03	1.39E-01	4.47E-03	1.43E-01	3.99E-02	4.28E-03	4.41E-02	3.86E+02	1.31E-02	5.54E-02
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	25	15	4.43E-03	4.34E-01	7.89E-02	2.68E-03	1.04E-01	3.35E-03	1.07E-01	2.99E-02	3.21E-03	3.31E-02	2.89E+02	9.82E-03	4.16E-02
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	25	15	1.97E-03	1.93E-01	3.51E-02	1.19E-03	4.62E-02	1.49E-03	4.77E-02	1.33E-02	1.43E-03	1.47E-02	1.29E+02	4.37E-03	1.85E-02
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	25	15	1.52E-02	1.50E+00	2.72E-01	9.24E-03	3.58E-01	1.16E-02	3.70E-01	1.03E-01	1.11E-02	1.14E-01	9.96E+02	3.38E-02	1.43E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	25	15	5.41E-03	5.31E-01	9.65E-02	3.28E-03	1.27E-01	4.10E-03	1.31E-01	3.65E-02	3.92E-03	4.05E-02	3.53E+02	1.20E-02	5.08E-02
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	25	15	5.90E-03	5.79E-01	1.05E-01	3.58E-03	1.39E-01	4.47E-03	1.43E-01	3.99E-02	4.28E-03	4.41E-02	3.86E+02	1.31E-02	5.54E-02

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
							MT/year			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	25	15	262	7.69E+01	0.0026137	0.011056	8.03E+01
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	25	15	262	17.096633	0.0005808	0.0024569	1.78E+01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	25	15	262	213.70791	0.0072602	0.030711	2.23E+02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	25	15	262	51.289899	0.0017425	0.0073706	5.35E+01
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	25	15	262	17.096633	0.0005808	0.0024569	1.78E+01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	25	15	262	128.22475	0.0043561	0.0184266	1.34E+02
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	25	15	262	51.289899	0.0017425	0.0073706	5.35E+01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	15	262	0	0	0	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	25	15	262	59.838216	0.0020329	0.0085991	6.25E+01
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	25	15	262	51.289899	0.0017425	0.0073706	5.35E+01
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	25	15	262	34.193266	0.0011616	0.0049138	3.57E+01
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	25	15	261	75.078512	0.0025542	0.010799	7.84E+01
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	25	15	261	16.684114	0.0005676	0.0023998	1.74E+01
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	25	15	261	208.55142	0.007095	0.0299972	2.18E+02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	25	15	261	16.684114	0.0005676	0.0023998	1.74E+01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	25	15	261	16.684114	0.0005676	0.0023998	1.74E+01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	25	15	261	50.052341	0.0017028	0.0071993	5.22E+01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	25	15	261	58.394398	0.0019866	0.0083992	6.09E+01
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	25	15	261	50.052341	0.0017028	0.0071993	5.22E+01
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	15	261	0	0	0	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	25	15	261	33.368227	0.0011352	0.0047995	3.48E+01
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	25	15	261	50.052341	0.0017028	0.0071993	5.22E+01
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	25	15	260	96.800505	0.0032397	0.0139235	1.01E+02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	25	15	260	36.300189	0.0012149	0.0052213	3.79E+01
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	25	15	260	116.96728	0.0039146	0.0168243	1.22E+02
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	25	15	260	68.567024	0.0022948	0.0098625	7.16E+01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	25	15	260	121.00063	0.0040496	0.0174044	1.26E+02
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	25	15	260	48.400252	0.0016198	0.0069618	5.05E+01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	25	15	260	36.300189	0.0012149	0.0052213	3.79E+01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	25	15	260	125.03399	0.0041846	0.0179846	1.30E+02
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	15	260	0	0	0	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	25	15	260	40.333544	0.0013499	0.0058015	4.21E+01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	25	15	260	48.400252	0.0016198	0.0069618	5.05E+01
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	25	15	260	115.33044	0.0038567	0.0165587	1.20E+02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	25	15	260	53.82087	0.0017998	0.0077274	5.62E+01
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	25	15	260	30.754783	0.0010285	0.0044157	3.21E+01
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	25	15	260	115.33044	0.0038567	0.0165587	1.20E+02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	25	15	260	115.33044	0.0038567	0.0165587	1.20E+02
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	25	15	260	46.132174	0.0015427	0.0066235	4.81E+01
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	25	15	260	15.377391	0.0005142	0.0022078	1.60E+01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	15	260	0	0	0	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	25	15	260	192.21739	0.0064278	0.0275979	2.01E+02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	15	260	0	0	0	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	25	15	260	46.132174	0.0015427	0.0066235	4.81E+01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	25	15	260	46.132174	0.0015427	0.0066235	4.81E+01
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	25	15	262	87.823552	0.0029836	0.0126287	9.17E+01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	25	15	262	110.73404	0.0037619	0.0159232	1.16E+02
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	25	15	262	110.73404	0.0037619	0.0159232	1.16E+02
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	25	15	262	64.91306	0.0022052	0.0093343	6.77E+01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	25	15	262	114.55246	0.0038916	0.0164722	1.20E+02
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	25	15	262	45.820984	0.0015566	0.0065889	4.78E+01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	25	15	262	34.365738	0.0011675	0.0049417	3.59E+01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	25	15	262	15.273661	0.0005189	0.0021963	1.59E+01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	25	15	262	118.37087	0.0040213	0.0170213	1.24E+02
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	15	262	0	0	0	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	25	15	262	42.002568	0.0014269	0.0060398	4.38E+01
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	25	15	262	45.820984	0.0015566	0.0065889	4.78E+01

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Vendor Starting Evaporative Emission Factors ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/trip)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	25	15	1.14E-03	1.40E-02	7.10E-03	5.85E-07	0.00E+00	6.74E-07	6.74E-07	0.00E+00	6.20E-07	6.20E-07	5.91E-02	6.03E-05	4.26E-05
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	25	15	2.54E-04	3.11E-03	1.58E-03	1.30E-07	0.00E+00	1.50E-07	1.50E-07	0.00E+00	1.38E-07	1.38E-07	1.31E-02	1.34E-05	9.47E-06
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	25	15	3.17E-03	3.88E-02	1.97E-02	1.63E-06	0.00E+00	1.87E-06	1.87E-06	0.00E+00	1.72E-06	1.72E-06	1.64E-01	1.67E-04	1.18E-04
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	25	15	7.62E-04	9.32E-03	4.74E-03	3.90E-07	0.00E+00	4.49E-07	4.49E-07	0.00E+00	4.13E-07	4.13E-07	3.94E-02	4.02E-05	2.84E-05
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	25	15	2.54E-04	3.11E-03	1.58E-03	1.30E-07	0.00E+00	1.50E-07	1.50E-07	0.00E+00	1.38E-07	1.38E-07	1.31E-02	1.34E-05	9.47E-06
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	25	15	1.90E-03	2.33E-02	1.18E-02	9.75E-07	0.00E+00	1.12E-06	1.12E-06	0.00E+00	1.03E-06	1.03E-06	9.85E-02	1.00E-04	7.10E-05
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	25	15	7.62E-04	9.32E-03	4.74E-03	3.90E-07	0.00E+00	4.49E-07	4.49E-07	0.00E+00	4.13E-07	4.13E-07	3.94E-02	4.02E-05	2.84E-05
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	25	15	8.89E-04	1.09E-02	5.53E-03	4.55E-07	0.00E+00	5.24E-07	5.24E-07	0.00E+00	4.82E-07	4.82E-07	4.60E-02	4.69E-05	3.31E-05
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	25	15	7.62E-04	9.32E-03	4.74E-03	3.90E-07	0.00E+00	4.49E-07	4.49E-07	0.00E+00	4.13E-07	4.13E-07	3.94E-02	4.02E-05	2.84E-05
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	25	15	5.08E-04	6.22E-03	3.16E-03	2.60E-07	0.00E+00	3.00E-07	3.00E-07	0.00E+00	2.75E-07	2.75E-07	2.63E-02	2.68E-05	1.89E-05
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	25	15	1.07E-03	1.51E-02	6.67E-03	5.67E-07	0.00E+00	6.33E-07	6.33E-07	0.00E+00	5.82E-07	5.82E-07	5.73E-02	5.76E-05	4.22E-05
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	25	15	2.38E-04	3.36E-03	1.48E-03	1.26E-07	0.00E+00	1.41E-07	1.41E-07	0.00E+00	1.29E-07	1.29E-07	1.27E-02	1.28E-05	9.38E-06
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	25	15	2.98E-03	4.20E-02	1.85E-02	1.58E-06	0.00E+00	1.76E-06	1.76E-06	0.00E+00	1.62E-06	1.62E-06	1.59E-01	1.60E-04	1.17E-04
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	25	15	2.38E-04	3.36E-03	1.48E-03	1.26E-07	0.00E+00	1.41E-07	1.41E-07	0.00E+00	1.29E-07	1.29E-07	1.27E-02	1.28E-05	9.38E-06
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	25	15	2.38E-04	3.36E-03	1.48E-03	1.26E-07	0.00E+00	1.41E-07	1.41E-07	0.00E+00	1.29E-07	1.29E-07	1.27E-02	1.28E-05	9.38E-06
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	25	15	7.15E-04	1.01E-02	4.44E-03	3.78E-07	0.00E+00	4.22E-07	4.22E-07	0.00E+00	3.88E-07	3.88E-07	3.82E-02	3.84E-05	2.81E-05
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	25	15	8.34E-04	1.18E-02	5.19E-03	4.41E-07	0.00E+00	4.92E-07	4.92E-07	0.00E+00	4.53E-07	4.53E-07	4.46E-02	4.48E-05	3.28E-05
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	25	15	7.15E-04	1.01E-02	4.44E-03	3.78E-07	0.00E+00	4.22E-07	4.22E-07	0.00E+00	3.88E-07	3.88E-07	3.82E-02	3.84E-05	2.81E-05
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	25	15	4.77E-04	6.72E-03	2.96E-03	2.52E-07	0.00E+00	2.81E-07	2.81E-07	0.00E+00	2.59E-07	2.59E-07	2.55E-02	2.56E-05	1.88E-05
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	25	15	7.15E-04	1.01E-02	4.44E-03	3.78E-07	0.00E+00	4.22E-07	4.22E-07	0.00E+00	3.88E-07	3.88E-07	3.82E-02	3.84E-05	2.81E-05
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	25	15	1.36E-03	2.27E-02	8.44E-03	7.42E-07	0.00E+00	8.10E-07	8.10E-07	0.00E+00	7.45E-07	7.45E-07	7.50E-02	7.43E-05	5.63E-05
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	25	15	5.10E-04	8.49E-03	3.16E-03	2.78E-07	0.00E+00	3.04E-07	3.04E-07	0.00E+00	2.79E-07	2.79E-07	2.81E-02	2.79E-05	2.11E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	25	15	1.64E-03	2.74E-02	1.02E-02	8.96E-07	0.00E+00	9.79E-07	9.79E-07	0.00E+00	9.00E-07	9.00E-07	9.06E-02	8.98E-05	6.80E-05
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	25	15	9.64E-04	1.60E-02	5.98E-03	5.26E-07	0.00E+00	5.74E-07	5.74E-07	0.00E+00	5.28E-07	5.28E-07	5.31E-02	5.26E-05	3.99E-05
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	25	15	1.70E-03	2.83E-02	1.05E-02	9.27E-07	0.00E+00	1.01E-06	1.01E-06	0.00E+00	9.31E-07	9.31E-07	9.37E-02	9.29E-05	7.04E-05
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	25	15	6.80E-04	1.13E-02	4.22E-03	3.71E-07	0.00E+00	4.05E-07	4.05E-07	0.00E+00	3.73E-07	3.73E-07	3.75E-02	3.71E-05	2.81E-05
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	25	15	5.10E-04	8.49E-03	3.16E-03	2.78E-07	0.00E+00	3.04E-07	3.04E-07	0.00E+00	2.79E-07	2.79E-07	2.81E-02	2.79E-05	2.11E-05
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	25	15	1.76E-03	2.93E-02	1.09E-02	9.58E-07	0.00E+00	1.05E-06	1.05E-06	0.00E+00	9.62E-07	9.62E-07	9.68E-02	9.60E-05	7.27E-05
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	25	15	5.67E-04	9.44E-03	3.51E-03	3.09E-07	0.00E+00	3.38E-07	3.38E-07	0.00E+00	3.10E-07	3.10E-07	3.12E-02	3.10E-05	2.35E-05
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	25	15	6.80E-04	1.13E-02	4.22E-03	3.71E-07	0.00E+00	4.05E-07	4.05E-07	0.00E+00	3.73E-07	3.73E-07	3.75E-02	3.71E-05	2.81E-05
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	25	15	1.64E-03	3.31E-02	1.02E-02	9.22E-07	0.00E+00	9.95E-07	9.95E-07	0.00E+00	9.15E-07	9.15E-07	9.31E-02	9.10E-05	7.13E-05
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	25	15	7.68E-04	1.54E-02	4.74E-03	4.30E-07	0.00E+00	4.64E-07	4.64E-07	0.00E+00	4.27E-07	4.27E-07	4.35E-02	4.25E-05	3.33E-05
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	25	15	4.39E-04	8.81E-03	2.71E-03	2.46E-07	0.00E+00	2.65E-07	2.65E-07	0.00E+00	2.44E-07	2.44E-07	2.48E-02	2.43E-05	1.90E-05
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	25	15	1.64E-03	3.31E-02	1.02E-02	9.22E-07	0.00E+00	9.95E-07	9.95E-07	0.00E+00	9.15E-07	9.15E-07	9.31E-02	9.10E-05	7.13E-05
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	25	15	1.64E-03	3.31E-02	1.02E-02	9.22E-07	0.00E+00	9.95E-07	9.95E-07	0.00E+00	9.15E-07	9.15E-07	9.31E-02	9.10E-05	7.13E-05
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	25	15	6.58E-04	1.32E-02	4.07E-03	3.69E-07	0.00E+00	3.98E-07	3.98E-07	0.00E+00	3.66E-07	3.66E-07	3.73E-02	3.64E-05	2.85E-05
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	25	15	2.19E-04	4.41E-03	1.36E-03	1.23E-07	0.00E+00	1.33E-07	1.33E-07	0.00E+00	1.22E-07	1.22E-07	1.24E-02	1.21E-05	9.50E-06
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	25	15	2.74E-03	5.51E-02	1.69E-02	1.54E-06	0.00E+00	1.66E-06	1.66E-06	0.00E+00	1.52E-06	1.52E-06	1.55E-01	1.52E-04	1.19E-04
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	25	15	6.58E-04	1.32E-02	4.07E-03	3.69E-07	0.00E+00	3.98E-07	3.98E-07	0.00E+00	3.66E-07	3.66E-07	3.73E-02	3.64E-05	2.85E-05
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	25	15	6.58E-04	1.32E-02	4.07E-03	3.69E-07	0.00E+00	3.98E-07	3.98E-07	0.00E+00	3.66E-07	3.66E-07	3.73E-02	3.64E-05	2.85E-05
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	25	15	1.18E-03	2.54E-02	7.23E-03	6.74E-07	0.00E+00	7.26E-07	7.26E-07	0.00E+00	6.68E-07	6.68E-07	6.81E-02	6.58E-05	5.31E-05
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	25	15	1.48E-03	3.21E-02	9.12E-03	8.49E-07	0.00E+00	9.16E-07	9.16E-07	0.00E+00	8.42E-07	8.42E-07	8.58E-02	8.30E-05	6.69E-05
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	25	15	1.48E-03	3.21E-02	9.12E-03	8.49E-07	0.00E+00	9.16E-07	9.16E-07	0.00E+00	8.42E-07	8.42E-07	8.58E-02	8.30E-05	6.69E-05
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	25	15	8.70E-04	1.88E-02	5.35E-03	4.98E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.03E-02	4.87E-05	3.92E-05
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	25	15	1.54E-03	3.32E-02	9.44E-03	8.79E-07	0.00E+00	9.47E-07	9.47E-07	0.00E+00	8.71E-07	8.71E-07	8.88E-02	8.59E-05	6.92E-05
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	25	15	6.14E-04	1.33E-02	3.77E-03	3.51E-07	0.00E+00	3.79E-07	3.79E-07	0.00E+00	3.48E-07	3.48E-07	3.55E-02	3.43E-05	2.77E-05
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	25	15	4.61E-04	9.96E-03	2.83E-03	2.64E-07	0.00E+00	2.84E-07	2.84E-07	0.00E+00	2.61E-07	2.61E-07	2.66E-02	2.58E-05	2.08E-05
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	25	15	2.05E-04	4.42E-03	1.26E-03	1.17E-07	0.00E+00	1.26E-07	1.26E-07	0.00E+00	1.16E-07	1.16E-07	1.18E-02	1.14E-05	9.23E-06
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	25	15	1.59E-03	3.43E-02	9.75E-03	9.08E-07	0.00E+00	9.79E-07	9.79E-07	0.00E+00	9.00E-07	9.00E-07	9.18E-02	8.87E-05	7.15E-05
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	25	15	5.63E-04	1.22E-02	3.46E-03	3.22E-07	0.00E+00	3.47E-07	3.47E-07	0.00E+00	3.19E-07	3.19E-07	3.26E-02	3.15E-05	2.54E-05
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	25	15	6.14E-04	1.33E-02	3.77E-03	3.51E-07	0.00E+00	3.79E-07	3.79E-07	0.00E+00	3.48E-07	3.48E-07	3.55E-02	3.43E-05	2.77E-05

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
							MT/year			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	25	15	262	7.03E-03	7.1655E-06	5.0624E-06	8.71E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	25	15	262	0.0015613	1.5923E-06	1.125E-06	1.94E-03
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	25	15	262	0.01951631	1.9904E-05	1.4062E-05	2.42E-02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	25	15	262	0.00468391	4.777E-06	3.375E-06	5.81E-03
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	25	15	262	0.0015613	1.5923E-06	1.125E-06	1.94E-03
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	25	15	262	0.01170979	1.1943E-05	8.4374E-06	1.45E-02
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	25	15	262	0.00468391	4.777E-06	3.375E-06	5.81E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	15	262	0	0	0	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	25	15	262	0.00546457	5.5732E-06	3.9374E-06	6.78E-03
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	25	15	262	0.00468391	4.777E-06	3.375E-06	5.81E-03
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	25	15	262	0.00312261	3.1847E-06	2.25E-06	3.87E-03
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	25	15	261	0.00678748	6.8245E-06	4.9949E-06	8.45E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	25	15	261	0.00150833	1.5166E-06	1.11E-06	1.88E-03
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	25	15	261	0.01885412	1.8957E-05	1.3875E-05	2.35E-02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	25	15	261	0.00150833	1.5166E-06	1.11E-06	1.88E-03
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	25	15	261	0.00150833	1.5166E-06	1.11E-06	1.88E-03
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	25	15	261	0.00452499	4.5497E-06	3.3299E-06	5.63E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	25	15	261	0.00527915	5.3079E-06	3.8849E-06	6.57E-03
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	25	15	261	0.00452499	4.5497E-06	3.3299E-06	5.63E-03
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	15	261	0	0	0	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	25	15	261	0.00301666	3.0331E-06	2.22E-06	3.75E-03
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	25	15	261	0.00452499	4.5497E-06	3.3299E-06	5.63E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	25	15	260	0.00884201	8.7618E-06	6.6395E-06	1.10E-02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	25	15	260	0.00331575	3.2857E-06	2.4898E-06	4.14E-03
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	25	15	260	0.01068409	1.0587E-05	8.0228E-06	1.33E-02
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	25	15	260	0.00626309	6.2063E-06	4.703E-06	7.82E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	25	15	260	0.01105251	1.0952E-05	8.2994E-06	1.38E-02
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	25	15	260	0.004421	4.3809E-06	3.3198E-06	5.52E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	25	15	260	0.00331575	3.2857E-06	2.4898E-06	4.14E-03
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	25	15	260	0.01142093	1.1317E-05	8.5761E-06	1.43E-02
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	15	260	0	0	0	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	25	15	260	0.00368417	3.6507E-06	2.7665E-06	4.60E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	25	15	260	0.004421	4.3809E-06	3.3198E-06	5.52E-03
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	25	15	260	0.01098478	1.0735E-05	8.4033E-06	1.38E-02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	25	15	260	0.00512623	5.0097E-06	3.9215E-06	6.42E-03
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	25	15	260	0.00292928	2.8627E-06	2.2409E-06	3.67E-03
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	25	15	260	0.01098478	1.0735E-05	8.4033E-06	1.38E-02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	25	15	260	0.01098478	1.0735E-05	8.4033E-06	1.38E-02
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	25	15	260	0.00439391	4.2941E-06	3.3613E-06	5.50E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	25	15	260	0.00146464	1.4314E-06	1.1204E-06	1.83E-03
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	15	260	0	0	0	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	25	15	260	0.01830797	1.7892E-05	1.4006E-05	2.29E-02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	15	260	0	0	0	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	25	15	260	0.00439391	4.2941E-06	3.3613E-06	5.50E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	25	15	260	0.00439391	4.2941E-06	3.3613E-06	5.50E-03
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	25	15	262	0.00809023	7.8241E-06	6.3053E-06	1.02E-02
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	25	15	262	0.01020073	9.8652E-06	7.9501E-06	1.28E-02
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	25	15	262	0.01020073	9.8652E-06	7.9501E-06	1.28E-02
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	25	15	262	0.00597974	5.7831E-06	4.6604E-06	7.51E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	25	15	262	0.01055248	1.0205E-05	8.2243E-06	1.33E-02
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	25	15	262	0.00422099	4.0822E-06	3.2897E-06	5.30E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	25	15	262	0.00316574	3.0616E-06	2.4673E-06	3.98E-03
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	25	15	262	0.001407	1.3607E-06	1.0966E-06	1.77E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	25	15	262	0.01090423	1.0546E-05	8.4984E-06	1.37E-02
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	15	262	0	0	0	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	25	15	262	0.00386924	3.742E-06	3.0156E-06	4.86E-03
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	25	15	262	0.00422099	4.0822E-06	3.2897E-06	5.30E-03

							Haul Running Emission Factors												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission Factor (g/mile)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	25	1.36E-01	4.29E+00	7.14E-01	1.38E-02	3.96E-01	6.17E-02	4.58E-01	1.09E-01	5.90E-02	1.68E-01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	25	1.36E-01	4.29E+00	7.14E-01	1.38E-02	3.96E-01	6.17E-02	4.58E-01	1.09E-01	5.90E-02	1.68E-01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	25	1.36E-01	4.29E+00	7.14E-01	1.38E-02	3.96E-01	6.17E-02	4.58E-01	1.09E-01	5.90E-02	1.68E-01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	25	1.36E-01	4.29E+00	7.14E-01	1.38E-02	3.96E-01	6.17E-02	4.58E-01	1.09E-01	5.90E-02	1.68E-01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	25	1.36E-01	4.29E+00	7.14E-01	1.38E-02	3.96E-01	6.17E-02	4.58E-01	1.09E-01	5.90E-02	1.68E-01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	25	1.36E-01	4.29E+00	7.14E-01	1.38E-02	3.96E-01	6.17E-02	4.58E-01	1.09E-01	5.90E-02	1.68E-01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	25	1.36E-01	4.29E+00	7.14E-01	1.38E-02	3.96E-01	6.17E-02	4.58E-01	1.09E-01	5.90E-02	1.68E-01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	25	1.36E-01	4.29E+00	7.14E-01	1.38E-02	3.96E-01	6.17E-02	4.58E-01	1.09E-01	5.90E-02	1.68E-01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	25	1.36E-01	4.29E+00	7.14E-01	1.38E-02	3.96E-01	6.17E-02	4.58E-01	1.09E-01	5.90E-02	1.68E-01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	25	1.36E-01	4.29E+00	7.14E-01	1.38E-02	3.96E-01	6.17E-02	4.58E-01	1.09E-01	5.90E-02	1.68E-01	1.51E+03	8.03E-02	2.39E-01
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	25	1.36E-01	4.29E+00	7.14E-01	1.38E-02	3.96E-01	6.17E-02	4.58E-01	1.09E-01	5.90E-02	1.68E-01	1.51E+03	8.03E-02	2.39E-01
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	25	1.11E-01	3.84E+00	6.49E-01	1.35E-02	3.96E-01	5.15E-02	4.48E-01	1.09E-01	4.93E-02	1.58E-01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	25	1.11E-01	3.84E+00	6.49E-01	1.35E-02	3.96E-01	5.15E-02	4.48E-01	1.09E-01	4.93E-02	1.58E-01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	25	1.11E-01	3.84E+00	6.49E-01	1.35E-02	3.96E-01	5.15E-02	4.48E-01	1.09E-01	4.93E-02	1.58E-01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	25	1.11E-01	3.84E+00	6.49E-01	1.35E-02	3.96E-01	5.15E-02	4.48E-01	1.09E-01	4.93E-02	1.58E-01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	25	1.11E-01	3.84E+00	6.49E-01	1.35E-02	3.96E-01	5.15E-02	4.48E-01	1.09E-01	4.93E-02	1.58E-01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	25	1.11E-01	3.84E+00	6.49E-01	1.35E-02	3.96E-01	5.15E-02	4.48E-01	1.09E-01	4.93E-02	1.58E-01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	25	1.11E-01	3.84E+00	6.49E-01	1.35E-02	3.96E-01	5.15E-02	4.48E-01	1.09E-01	4.93E-02	1.58E-01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	25	1.11E-01	3.84E+00	6.49E-01	1.35E-02	3.96E-01	5.15E-02	4.48E-01	1.09E-01	4.93E-02	1.58E-01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	25	1.11E-01	3.84E+00	6.49E-01	1.35E-02	3.96E-01	5.15E-02	4.48E-01	1.09E-01	4.93E-02	1.58E-01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	25	1.11E-01	3.84E+00	6.49E-01	1.35E-02	3.96E-01	5.15E-02	4.48E-01	1.09E-01	4.93E-02	1.58E-01	1.48E+03	8.02E-02	2.35E-01
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	25	1.11E-01	3.84E+00	6.49E-01	1.35E-02	3.96E-01	5.15E-02	4.48E-01	1.09E-01	4.93E-02	1.58E-01	1.48E+03	8.02E-02	2.35E-01
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	25	7.07E-02	3.28E+00	5.24E-01	1.31E-02	3.96E-01	2.93E-02	4.25E-01	1.09E-01	2.80E-02	1.37E-01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	25	7.07E-02	3.28E+00	5.24E-01	1.31E-02	3.96E-01	2.93E-02	4.25E-01	1.09E-01	2.80E-02	1.37E-01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	25	7.07E-02	3.28E+00	5.24E-01	1.31E-02	3.96E-01	2.93E-02	4.25E-01	1.09E-01	2.80E-02	1.37E-01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	25	7.07E-02	3.28E+00	5.24E-01	1.31E-02	3.96E-01	2.93E-02	4.25E-01	1.09E-01	2.80E-02	1.37E-01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	25	7.07E-02	3.28E+00	5.24E-01	1.31E-02	3.96E-01	2.93E-02	4.25E-01	1.09E-01	2.80E-02	1.37E-01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	25	7.07E-02	3.28E+00	5.24E-01	1.31E-02	3.96E-01	2.93E-02	4.25E-01	1.09E-01	2.80E-02	1.37E-01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	25	7.07E-02	3.28E+00	5.24E-01	1.31E-02	3.96E-01	2.93E-02	4.25E-01	1.09E-01	2.80E-02	1.37E-01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	25	7.07E-02	3.28E+00	5.24E-01	1.31E-02	3.96E-01	2.93E-02	4.25E-01	1.09E-01	2.80E-02	1.37E-01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	25	7.07E-02	3.28E+00	5.24E-01	1.31E-02	3.96E-01	2.93E-02	4.25E-01	1.09E-01	2.80E-02	1.37E-01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	25	7.07E-02	3.28E+00	5.24E-01	1.31E-02	3.96E-01	2.93E-02	4.25E-01	1.09E-01	2.80E-02	1.37E-01	1.44E+03	7.90E-02	2.28E-01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	25	7.07E-02	3.28E+00	5.24E-01	1.31E-02	3.96E-01	2.93E-02	4.25E-01	1.09E-01	2.80E-02	1.37E-01	1.44E+03	7.90E-02	2.28E-01
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	25	2.38E-02	2.45E+00	4.22E-01	1.24E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	25	2.38E-02	2.45E+00	4.22E-01	1.24E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	25	2.38E-02	2.45E+00	4.22E-01	1.24E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	25	2.38E-02	2.45E+00	4.22E-01	1.24E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	25	2.38E-02	2.45E+00	4.22E-01	1.24E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	25	2.38E-02	2.45E+00	4.22E-01	1.24E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	25	2.38E-02	2.45E+00	4.22E-01	1.24E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	25	2.38E-02	2.45E+00	4.22E-01	1.24E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	25	2.38E-02	2.45E+00	4.22E-01	1.24E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	25	2.38E-02	2.45E+00	4.22E-01	1.24E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	25	2.38E-02	2.45E+00	4.22E-01	1.24E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.36E+03	7.74E-02	2.16E-01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	25	2.38E-02	2.45E+00	4.22E-01	1.24E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.36E+03	7.74E-02	2.16E-01
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	25	2.35E-02	2.47E+00	4.35E-01	1.22E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	25	2.35E-02	2.47E+00	4.35E-01	1.22E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	25	2.35E-02	2.47E+00	4.35E-01	1.22E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	25	2.35E-02	2.47E+00	4.35E-01	1.22E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	25	2.35E-02	2.47E+00	4.35E-01	1.22E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	25	2.35E-02	2.47E+00	4.35E-01	1.22E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	25	2.35E-02	2.47E+00	4.35E-01	1.22E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	25	2.35E-02	2.47E+00	4.35E-01	1.22E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	25	2.35E-02	2.47E+00	4.35E-01	1.22E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	25	2.35E-02	2.47E+00	4.35E-01	1.22E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	25	2.35E-02	2.47E+00	4.35E-01	1.22E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.34E+03	7.77E-02	2.13E-01
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	25	2.35E-02	2.47E+00	4.35E-01	1.22E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.34E+03	7.77E-02	2.13E-01

							Daily Emissions												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	25	4.88E-02	1.54E+00	2.56E-01	4.95E-03	1.42E-01	2.21E-02	1.64E-01	3.89E-02	2.12E-02	6.01E-02	5.41E+02	2.88E-02	8.59E-02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	25	7.45E-04	2.35E-02	3.91E-03	7.55E-05	2.17E-03	3.37E-04	2.50E-03	5.94E-04	3.23E-04	9.17E-04	8.26E+00	4.39E-04	1.31E-03
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	25	1.79E-01	5.65E+00	9.40E-01	1.82E-02	5.22E-01	8.12E-02	6.03E-01	1.43E-01	7.77E-02	2.21E-01	1.99E+03	1.06E-01	3.15E-01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	25	2.15E-01	6.78E+00	1.13E+00	2.18E-02	6.26E-01	9.75E-02	7.24E-01	1.72E-01	9.33E-02	2.65E-01	2.39E+03	1.27E-01	3.78E-01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	25	6.27E-02	1.98E+00	3.29E-01	6.36E-03	1.83E-01	2.84E-02	2.11E-01	5.00E-02	2.72E-02	7.72E-02	6.96E+02	3.70E-02	1.10E-01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	25	1.43E-01	4.52E+00	7.52E-01	1.45E-02	4.17E-01	6.50E-02	4.82E-01	1.14E-01	6.22E-02	1.77E-01	1.59E+03	8.46E-02	2.52E-01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	25	1.51E-02	4.76E-01	7.93E-02	1.53E-03	4.40E-02	6.85E-03	5.09E-02	1.21E-02	6.56E-03	1.86E-02	1.68E+02	8.92E-03	2.66E-02
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	25	1.79E-02	5.63E-01	9.37E-02	1.81E-03	5.20E-02	8.10E-03	6.01E-02	1.43E-02	7.75E-03	2.20E-02	1.98E+02	1.05E-02	3.14E-02
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	25	4.01E-02	1.38E+00	2.34E-01	4.86E-03	1.43E-01	1.85E-02	1.61E-01	3.91E-02	1.77E-02	5.68E-02	5.33E+02	2.89E-02	8.46E-02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	25	1.22E-03	4.22E-02	7.12E-03	1.48E-04	4.35E-03	5.66E-04	4.92E-03	1.19E-03	5.41E-04	1.73E-03	1.62E+01	8.81E-04	2.58E-03
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	25	1.47E-01	5.08E+00	8.58E-01	1.79E-02	5.24E-01	6.81E-02	5.92E-01	1.44E-01	6.52E-02	2.09E-01	1.96E+03	1.06E-01	3.10E-01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	25	1.77E-01	6.09E+00	1.03E+00	2.14E-02	6.29E-01	8.17E-02	7.10E-01	1.72E-01	7.82E-02	2.50E-01	2.35E+03	1.27E-01	3.73E-01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	25	1.77E-01	6.09E+00	1.03E+00	2.14E-02	6.29E-01	8.17E-02	7.10E-01	1.72E-01	7.82E-02	2.50E-01	2.35E+03	1.27E-01	3.73E-01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	25	1.18E-01	4.06E+00	6.86E-01	1.43E-02	4.19E-01	5.45E-02	4.73E-01	1.15E-01	5.21E-02	1.67E-01	1.56E+03	8.49E-02	2.48E-01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	25	1.47E-02	5.06E-01	8.55E-02	1.78E-03	5.22E-02	6.79E-03	5.90E-02	1.43E-02	6.49E-03	2.08E-02	1.95E+02	1.06E-02	3.09E-02
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	25	1.24E-02	4.28E-01	7.23E-02	1.51E-03	4.42E-02	5.74E-03	4.99E-02	1.21E-02	5.50E-03	1.76E-02	1.65E+02	8.95E-03	2.62E-02
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	25	4.41E-02	2.05E+00	3.27E-01	8.18E-03	2.47E-01	1.83E-02	2.66E-01	6.78E-02	1.75E-02	8.53E-02	8.98E+02	4.93E-02	1.43E-01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	25	3.90E-04	1.81E-02	2.89E-03	7.22E-05	2.18E-03	1.61E-04	2.35E-03	5.98E-04	1.54E-04	7.53E-04	7.93E+00	4.36E-04	1.26E-03
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	25	5.16E-02	2.40E+00	3.82E-01	9.56E-03	2.89E-01	2.14E-02	3.10E-01	7.92E-02	2.04E-02	9.96E-02	1.05E+03	5.77E-02	1.67E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	25	8.76E-02	4.07E+00	6.49E-01	1.62E-02	4.91E-01	3.63E-02	5.28E-01	1.35E-01	3.47E-02	1.69E-01	1.78E+03	9.80E-02	2.83E-01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	25	3.28E-02	1.52E+00	2.43E-01	6.08E-03	1.84E-01	1.36E-02	1.98E-01	5.04E-02	1.30E-02	6.34E-02	6.68E+02	3.67E-02	1.06E-01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	25	3.83E-02	1.78E+00	2.84E-01	7.10E-03	2.15E-01	1.59E-02	2.31E-01	5.88E-02	1.52E-02	7.40E-02	7.79E+02	4.28E-02	1.24E-01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	25	5.63E-02	2.61E+00	4.17E-01	1.04E-02	3.15E-01	2.33E-02	3.39E-01	8.64E-02	2.23E-02	1.09E-01	1.14E+03	6.29E-02	1.82E-01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	25	4.69E-02	2.18E+00	3.47E-01	8.69E-03	2.63E-01	1.94E-02	2.82E-01	7.20E-02	1.86E-02	9.06E-02	9.54E+02	5.24E-02	1.52E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	25	4.22E-02	1.96E+00	3.13E-01	7.82E-03	2.37E-01	1.75E-02	2.54E-01	6.48E-02	1.67E-02	8.15E-02	8.58E+02	4.72E-02	1.36E-01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	25	3.96E-03	1.84E-01	2.93E-02	7.33E-04	2.22E-02	1.64E-03	2.38E-02	6.08E-03	1.57E-03	7.64E-03	8.05E+01	4.42E-03	1.28E-02
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	25	2.11E-02	2.18E+00	3.74E-01	1.10E-02	3.52E-01	1.82E-02	3.70E-01	9.63E-02	1.74E-02	1.14E-01	1.21E+03	6.87E-02	1.92E-01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	25	3.15E-03	3.24E-01	5.58E-02	1.64E-03	5.24E-02	2.71E-03	5.51E-02	1.44E-02	2.59E-03	1.70E-02	1.80E+02	1.02E-02	2.86E-02
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	25	2.11E-02	2.18E+00	3.74E-01	1.10E-02	3.52E-01	1.82E-02	3.70E-01	9.63E-02	1.74E-02	1.14E-01	1.21E+03	6.87E-02	1.92E-01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	25	1.10E-02	1.14E+00	1.96E-01	5.74E-03	1.84E-01	9.50E-03	1.94E-01	5.04E-02	9.09E-03	5.95E-02	6.32E+02	3.59E-02	1.00E-01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	25	5.24E-04	5.41E-02	9.30E-03	2.73E-04	8.74E-03	4.51E-04	9.19E-03	2.39E-03	4.32E-04	2.83E-03	3.00E+01	1.71E-03	4.77E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	25	3.79E-02	3.91E+00	6.72E-01	1.97E-02	6.31E-01	3.26E-02	6.64E-01	1.73E-01	3.12E-02	2.04E-01	2.17E+03	1.23E-01	3.44E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	25	3.16E-02	3.25E+00	5.60E-01	1.64E-02	5.26E-01	2.72E-02	5.53E-01	1.44E-01	2.60E-02	1.70E-01	1.81E+03	1.03E-01	2.87E-01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	25	2.52E-02	2.60E+00	4.48E-01	1.31E-02	4.21E-01	2.17E-02	4.42E-01	1.15E-01	2.08E-02	1.36E-01	1.44E+03	8.22E-02	2.30E-01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	25	1.30E-02	1.37E+00	2.41E-01	6.75E-03	2.20E-01	1.14E-02	2.31E-01	6.02E-02	1.09E-02	7.10E-02	7.44E+02	4.31E-02	1.18E-01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	25	1.70E-02	1.79E+00	3.15E-01	8.82E-03	2.87E-01	1.48E-02	3.02E-01	7.86E-02	1.42E-02	9.28E-02	9.72E+02	5.63E-02	1.54E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	25	1.70E-02	1.79E+00	3.15E-01	8.82E-03	2.87E-01	1.48E-02	3.02E-01	7.86E-02	1.42E-02	9.28E-02	9.72E+02	5.63E-02	1.54E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	25	2.90E-02	3.04E+00	5.35E-01	1.50E-02	4.87E-01	2.52E-02	5.13E-01	1.34E-01	2.41E-02	1.58E-01	1.65E+03	9.56E-02	2.63E-01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	25	1.08E-02	1.14E+00	2.00E-01	5.61E-03	1.83E-01	9.44E-03	1.92E-01	5.00E-02	9.04E-03	5.91E-02	6.19E+02	3.58E-02	9.83E-02
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	25	1.27E-02	1.33E+00	2.34E-01	6.55E-03	2.13E-01	1.10E-02	2.24E-01	5.84E-02	1.05E-02	6.89E-02	7.22E+02	4.18E-02	1.15E-01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	25	1.86E-02	1.95E+00	3.43E-01	9.62E-03	3.13E-01	1.62E-02	3.29E-01	8.58E-02	1.55E-02	1.01E-01	1.06E+03	6.14E-02	1.69E-01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	25	6.97E-03	7.31E-01	1.29E-01	3.61E-03	1.17E-01	6.07E-03	1.23E-01	3.22E-02	5.81E-03	3.80E-02	3.98E+02	2.30E-02	6.32E-02
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	25	1.55E-02	1.63E+00	2.86E-01	8.02E-03	2.61E-01	1.35E-02	2.74E-01	7.15E-02	1.29E-02	8.44E-02	8.84E+02	5.12E-02	1.40E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	25	1.54E-03	1.62E-01	2.85E-02	7.99E-04	2.60E-02	1.34E-03	2.73E-02	7.13E-03	1.29E-03	8.41E-03	8.81E+01	5.10E-03	1.40E-02
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	25	1.31E-03	1.37E-01	2.41E-02	6.76E-04	2.20E-02	1.14E-03	2.31E-02	6.03E-03	1.09E-03	7.12E-03	7.45E+01	4.32E-03	1.18E-02

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
								MT/yr			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	25	262	6.43E+01	3.42E-03	1.02E-02	6.75E+01
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	25	262	9.81E-01	5.22E-05	1.56E-04	1.03E+00
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	25	262	2.36E+02	1.26E-02	3.75E-02	2.48E+02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	25	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	25	262	2.83E+02	1.51E-02	4.50E-02	2.97E+02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	25	262	8.27E+01	4.40E-03	1.31E-02	8.67E+01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	25	262	1.89E+02	1.01E-02	3.00E-02	1.98E+02
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	25	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	25	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	25	262	1.99E+01	1.06E-03	3.16E-03	2.09E+01
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	25	262	2.35E+01	1.25E-03	3.73E-03	2.47E+01
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	25	261	6.31E+01	3.42E-03	1.00E-02	6.61E+01
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	25	261	1.92E+00	1.04E-04	3.05E-04	2.02E+00
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	25	261	2.32E+02	1.26E-02	3.68E-02	2.43E+02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	25	261	2.78E+02	1.51E-02	4.41E-02	2.91E+02
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	25	261	2.78E+02	1.51E-02	4.41E-02	2.91E+02
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	25	261	1.85E+02	1.00E-02	2.94E-02	1.94E+02
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	25	261	2.31E+01	1.25E-03	3.66E-03	2.42E+01
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	25	261	1.95E+01	1.06E-03	3.10E-03	2.05E+01
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	25	260	1.06E+02	5.82E-03	1.68E-02	1.11E+02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	25	260	9.35E-01	5.14E-05	1.48E-04	9.80E-01
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	25	260	1.24E+02	6.80E-03	1.96E-02	1.30E+02
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	25	260	2.10E+02	1.16E-02	3.34E-02	2.20E+02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	25	260	7.88E+01	4.33E-03	1.25E-02	8.26E+01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	25	260	9.19E+01	5.05E-03	1.46E-02	9.64E+01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	25	260	1.35E+02	7.42E-03	2.14E-02	1.42E+02
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	25	260	1.13E+02	6.18E-03	1.79E-02	1.18E+02
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	25	260	1.01E+02	5.56E-03	1.61E-02	1.06E+02
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	25	260	9.49E+00	5.22E-04	1.51E-03	9.95E+00
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	25	260	1.42E+02	8.10E-03	2.26E-02	1.49E+02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	25	260	2.12E+01	1.21E-03	3.37E-03	2.23E+01
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	25	260	1.42E+02	8.10E-03	2.26E-02	1.49E+02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	25	260	7.45E+01	4.24E-03	1.18E-02	7.82E+01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	25	260	3.54E+00	2.01E-04	5.62E-04	3.71E+00
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	25	260	2.56E+02	1.45E-02	4.06E-02	2.68E+02
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	25	260	2.13E+02	1.21E-02	3.38E-02	2.23E+02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	25	260	1.70E+02	9.69E-03	2.71E-02	1.79E+02
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	25	262	8.84E+01	5.12E-03	1.41E-02	9.27E+01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	25	262	1.16E+02	6.69E-03	1.84E-02	1.21E+02
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	25	262	1.16E+02	6.69E-03	1.84E-02	1.21E+02
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	25	262	1.96E+02	1.14E-02	3.12E-02	2.06E+02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	25	262	7.35E+01	4.26E-03	1.17E-02	7.71E+01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	25	262	8.58E+01	4.97E-03	1.36E-02	9.00E+01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	25	262	1.26E+02	7.30E-03	2.00E-02	1.32E+02
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	25	262	4.73E+01	2.74E-03	7.51E-03	4.96E+01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	25	262	1.05E+02	6.08E-03	1.67E-02	1.10E+02
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	25	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	25	262	1.05E+01	6.06E-04	1.66E-03	1.10E+01
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	25	262	8.86E+00	5.13E-04	1.41E-03	9.29E+00

Haul Running Emission Factors

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission Factor (g/trip)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05

							Daily Emissions												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	25	1.39E-05	1.29E-02	6.10E-05	5.78E-09	0.00E+00	1.40E-08	1.40E-08	0.00E+00	1.29E-08	1.29E-08	5.84E-04	3.05E-09	2.65E-07
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	25	2.12E-07	1.96E-04	9.30E-07	8.82E-11	0.00E+00	2.13E-10	2.13E-10	0.00E+00	1.97E-10	1.97E-10	8.91E-06	4.66E-11	4.05E-09
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	25	5.09E-05	4.73E-02	2.24E-04	2.12E-08	0.00E+00	5.12E-08	5.12E-08	0.00E+00	4.74E-08	4.74E-08	2.14E-03	1.12E-08	9.74E-07
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	25	6.11E-05	5.68E-02	2.69E-04	2.55E-08	0.00E+00	6.15E-08	6.15E-08	0.00E+00	5.69E-08	5.69E-08	2.57E-03	1.34E-08	1.17E-06
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	25	1.78E-05	1.66E-02	7.84E-05	7.43E-09	0.00E+00	1.79E-08	1.79E-08	0.00E+00	1.66E-08	1.66E-08	7.51E-04	3.92E-09	3.41E-07
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	25	4.07E-05	3.78E-02	1.79E-04	1.70E-08	0.00E+00	4.10E-08	4.10E-08	0.00E+00	3.79E-08	3.79E-08	1.72E-03	8.97E-09	7.79E-07
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	25	4.30E-06	3.99E-03	1.89E-05	1.79E-09	0.00E+00	4.32E-09	4.32E-09	0.00E+00	4.00E-09	4.00E-09	1.81E-04	9.45E-10	8.22E-08
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	25	5.08E-06	4.71E-03	2.23E-05	2.12E-09	0.00E+00	5.11E-09	5.11E-09	0.00E+00	4.72E-09	4.72E-09	2.14E-04	1.12E-09	9.71E-08
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	25	1.10E-05	1.38E-02	5.75E-05	5.07E-09	0.00E+00	9.96E-09	9.96E-09	0.00E+00	9.16E-09	9.16E-09	5.12E-04	3.05E-09	2.15E-07
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	25	3.34E-07	4.22E-04	1.75E-06	1.55E-10	0.00E+00	3.04E-10	3.04E-10	0.00E+00	2.79E-10	2.79E-10	1.56E-05	9.31E-11	6.54E-09
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	25	4.02E-05	5.08E-02	2.11E-04	1.86E-08	0.00E+00	3.66E-08	3.66E-08	0.00E+00	3.36E-08	3.36E-08	1.88E-03	1.12E-08	7.88E-07
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	25	4.83E-05	6.10E-02	2.53E-04	2.23E-08	0.00E+00	4.39E-08	4.39E-08	0.00E+00	4.04E-08	4.04E-08	2.26E-03	1.35E-08	9.45E-07
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	25	4.83E-05	6.10E-02	2.53E-04	2.23E-08	0.00E+00	4.39E-08	4.39E-08	0.00E+00	4.04E-08	4.04E-08	2.26E-03	1.35E-08	9.45E-07
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	25	3.22E-05	4.06E-02	1.69E-04	1.49E-08	0.00E+00	2.93E-08	2.93E-08	0.00E+00	2.69E-08	2.69E-08	1.50E-03	8.97E-09	6.30E-07
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	25	4.01E-06	5.06E-03	2.11E-05	1.86E-09	0.00E+00	3.65E-09	3.65E-09	0.00E+00	3.35E-09	3.35E-09	1.87E-04	1.12E-09	7.85E-08
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	25	3.39E-06	4.29E-03	1.78E-05	1.57E-09	0.00E+00	3.08E-09	3.08E-09	0.00E+00	2.84E-09	2.84E-09	1.59E-04	9.46E-10	6.64E-08
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	25	1.57E-05	2.64E-02	8.96E-05	8.02E-09	0.00E+00	1.45E-08	1.45E-08	0.00E+00	1.33E-08	1.33E-08	8.10E-04	5.28E-09	2.66E-07
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	25	1.38E-07	2.33E-04	7.91E-07	7.08E-11	0.00E+00	1.28E-10	1.28E-10	0.00E+00	1.18E-10	1.18E-10	7.15E-06	4.67E-11	2.34E-09
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	25	1.83E-05	3.08E-02	1.05E-04	9.37E-09	0.00E+00	1.69E-08	1.69E-08	0.00E+00	1.56E-08	1.56E-08	9.47E-04	6.18E-09	3.10E-07
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	25	3.11E-05	5.24E-02	1.78E-04	1.59E-08	0.00E+00	2.88E-08	2.88E-08	0.00E+00	2.65E-08	2.65E-08	1.61E-03	1.05E-08	5.27E-07
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	25	1.17E-05	1.96E-02	6.67E-05	5.96E-09	0.00E+00	1.08E-08	1.08E-08	0.00E+00	9.91E-09	9.91E-09	6.03E-04	3.93E-09	1.98E-07
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	25	1.36E-05	2.29E-02	7.78E-05	6.96E-09	0.00E+00	1.26E-08	1.26E-08	0.00E+00	1.16E-08	1.16E-08	7.03E-04	4.59E-09	2.31E-07
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	25	2.00E-05	3.36E-02	1.14E-04	1.02E-08	0.00E+00	1.85E-08	1.85E-08	0.00E+00	1.70E-08	1.70E-08	1.03E-03	6.74E-09	3.39E-07
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	25	1.67E-05	2.80E-02	9.52E-05	8.52E-09	0.00E+00	1.54E-08	1.54E-08	0.00E+00	1.42E-08	1.42E-08	8.61E-04	5.62E-09	2.82E-07
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	25	1.50E-05	2.52E-02	8.57E-05	7.66E-09	0.00E+00	1.39E-08	1.39E-08	0.00E+00	1.27E-08	1.27E-08	7.75E-04	5.05E-09	2.54E-07
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	25	1.40E-06	2.36E-03	8.03E-06	7.19E-10	0.00E+00	1.30E-09	1.30E-09	0.00E+00	1.19E-09	1.19E-09	7.26E-05	4.74E-10	2.38E-08
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	25	1.81E-05	4.23E-02	1.27E-04	1.08E-08	0.00E+00	1.76E-08	1.76E-08	0.00E+00	1.62E-08	1.62E-08	1.09E-03	7.50E-09	3.19E-07
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	25	2.70E-06	6.31E-03	1.89E-05	1.61E-09	0.00E+00	2.62E-09	2.62E-09	0.00E+00	2.41E-09	2.41E-09	1.62E-04	1.12E-09	4.76E-08
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	25	1.81E-05	4.23E-02	1.27E-04	1.08E-08	0.00E+00	1.76E-08	1.76E-08	0.00E+00	1.62E-08	1.62E-08	1.09E-03	7.50E-09	3.19E-07
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	25	9.49E-06	2.22E-02	6.65E-05	5.64E-09	0.00E+00	9.20E-09	9.20E-09	0.00E+00	8.46E-09	8.46E-09	5.70E-04	3.93E-09	1.67E-07
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	25	4.51E-07	1.05E-03	3.15E-06	2.68E-10	0.00E+00	4.37E-10	4.37E-10	0.00E+00	4.02E-10	4.02E-10	2.70E-05	1.86E-10	7.94E-09
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	25	3.26E-05	7.60E-02	2.28E-04	1.93E-08	0.00E+00	3.16E-08	3.16E-08	0.00E+00	2.90E-08	2.90E-08	1.95E-03	1.35E-08	5.73E-07
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	25	2.71E-05	6.33E-02	1.90E-04	1.61E-08	0.00E+00	2.63E-08	2.63E-08	0.00E+00	2.42E-08	2.42E-08	1.63E-03	1.12E-08	4.78E-07
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	25	2.17E-05	5.07E-02	1.52E-04	1.29E-08	0.00E+00	2.10E-08	2.10E-08	0.00E+00	1.93E-08	1.93E-08	1.30E-03	8.97E-09	3.82E-07
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	25	9.59E-06	2.64E-02	7.31E-05	6.30E-09	0.00E+00	9.70E-09	9.70E-09	0.00E+00	8.92E-09	8.92E-09	6.36E-04	4.22E-09	1.59E-07
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	25	1.25E-05	3.45E-02	9.55E-05	8.23E-09	0.00E+00	1.27E-08	1.27E-08	0.00E+00	1.17E-08	1.17E-08	8.31E-04	5.51E-09	2.08E-07
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	25	1.25E-05	3.45E-02	9.55E-05	8.23E-09	0.00E+00	1.27E-08	1.27E-08	0.00E+00	1.17E-08	1.17E-08	8.31E-04	5.51E-09	2.08E-07
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	25	2.13E-05	5.87E-02	1.62E-04	1.40E-08	0.00E+00	2.15E-08	2.15E-08	0.00E+00	1.98E-08	1.98E-08	1.41E-03	9.37E-09	3.54E-07
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	25	7.98E-06	2.20E-02	6.08E-05	5.24E-09	0.00E+00	8.07E-09	8.07E-09	0.00E+00	7.42E-09	7.42E-09	5.29E-04	3.51E-09	1.32E-07
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	25	9.31E-06	2.57E-02	7.09E-05	6.11E-09	0.00E+00	9.41E-09	9.41E-09	0.00E+00	8.65E-09	8.65E-09	6.17E-04	4.10E-09	1.55E-07
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	25	1.37E-05	3.77E-02	1.04E-04	8.98E-09	0.00E+00	1.38E-08	1.38E-08	0.00E+00	1.27E-08	1.27E-08	9.07E-04	6.02E-09	2.27E-07
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	25	5.13E-06	1.41E-02	3.91E-05	3.37E-09	0.00E+00	5.19E-09	5.19E-09	0.00E+00	4.77E-09	4.77E-09	3.40E-04	2.26E-09	8.52E-08
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	25	1.14E-05	3.14E-02	8.68E-05	7.48E-09	0.00E+00	1.15E-08	1.15E-08	0.00E+00	1.06E-08	1.06E-08	7.56E-04	5.02E-09	1.89E-07
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	25	1.14E-06	3.13E-03	8.65E-06	7.46E-10	0.00E+00	1.15E-09	1.15E-09	0.00E+00	1.06E-09	1.06E-09	7.53E-05	5.00E-10	1.89E-08
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	25	9.61E-07	2.65E-03	7.32E-06	6.31E-10	0.00E+00	9.72E-10	9.72E-10	0.00E+00	8.94E-10	8.94E-10	6.38E-05	4.23E-10	1.60E-08

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
								MT/yr			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	25	262	6.94E-05	3.63E-10	3.15E-08	7.88E-05
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	25	262	1.06E-06	5.53E-12	4.81E-10	1.20E-06
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	25	262	2.55E-04	1.33E-09	1.16E-07	2.89E-04
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	25	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	25	262	3.06E-04	1.60E-09	1.39E-07	3.47E-04
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	25	262	8.92E-05	4.66E-10	4.05E-08	1.01E-04
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	25	262	2.04E-04	1.07E-09	9.26E-08	2.32E-04
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	25	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	25	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	25	262	2.15E-05	1.12E-10	9.76E-09	2.44E-05
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	25	262	2.54E-05	1.33E-10	1.15E-08	2.89E-05
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	25	261	6.07E-05	3.61E-10	2.54E-08	6.82E-05
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	25	261	1.85E-06	1.10E-11	7.75E-10	2.08E-06
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	25	261	2.23E-04	1.33E-09	9.32E-08	2.51E-04
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	25	261	2.67E-04	1.59E-09	1.12E-07	3.01E-04
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	25	261	2.67E-04	1.59E-09	1.12E-07	3.01E-04
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	25	261	1.78E-04	1.06E-09	7.46E-08	2.00E-04
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	25	261	2.22E-05	1.32E-10	9.30E-09	2.50E-05
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	25	261	1.88E-05	1.12E-10	7.87E-09	2.11E-05
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	25	260	9.55E-05	6.23E-10	3.13E-08	1.05E-04
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	25	260	8.43E-07	5.50E-12	2.77E-10	9.26E-07
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	25	260	1.12E-04	7.28E-10	3.66E-08	1.23E-04
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	25	260	1.90E-04	1.24E-09	6.22E-08	2.08E-04
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	25	260	7.11E-05	4.64E-10	2.33E-08	7.80E-05
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	25	260	8.29E-05	5.41E-10	2.72E-08	9.10E-05
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	25	260	1.22E-04	7.95E-10	3.99E-08	1.34E-04
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	25	260	1.02E-04	6.62E-10	3.33E-08	1.11E-04
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	25	260	9.13E-05	5.96E-10	2.99E-08	1.00E-04
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	25	260	8.56E-06	5.59E-11	2.81E-09	9.40E-06
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	25	260	1.28E-04	8.85E-10	3.77E-08	1.40E-04
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	25	260	1.91E-05	1.32E-10	5.62E-09	2.08E-05
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	25	260	1.28E-04	8.85E-10	3.77E-08	1.40E-04
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	25	260	6.72E-05	4.63E-10	1.97E-08	7.31E-05
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	25	260	3.19E-06	2.20E-11	9.36E-10	3.47E-06
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	25	260	2.30E-04	1.59E-09	6.76E-08	2.51E-04
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	25	260	1.92E-04	1.32E-09	5.63E-08	2.09E-04
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	25	260	1.54E-04	1.06E-09	4.51E-08	1.67E-04
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	25	262	7.56E-05	5.02E-10	1.89E-08	8.13E-05
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	25	262	9.88E-05	6.55E-10	2.47E-08	1.06E-04
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	25	262	9.88E-05	6.55E-10	2.47E-08	1.06E-04
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	25	262	1.68E-04	1.11E-09	4.20E-08	1.80E-04
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	25	262	6.29E-05	4.17E-10	1.57E-08	6.76E-05
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	25	262	7.34E-05	4.87E-10	1.84E-08	7.88E-05
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	25	262	1.08E-04	7.15E-10	2.70E-08	1.16E-04
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	25	262	4.04E-05	2.68E-10	1.01E-08	4.34E-05
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	25	262	8.98E-05	5.96E-10	2.25E-08	9.65E-05
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	25	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	25	262	8.95E-06	5.94E-11	2.24E-09	9.62E-06
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	25	262	7.58E-06	5.03E-11	1.90E-09	8.14E-06

World Logistics Center-Construction Plots 2, 4, 9, 1, 3,& 20 (2020-2024)-Unmitigated

South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	40,600.00	1000sqft	2,419.90	40,600,000.00	0
Parking Lot	123.60	Acre	123.60	5,384,016.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Construction Assumptions

Construction Phase - Project Schedule

Off-road Equipment - Project Equipment

Off-road Equipment - Project Equipment

Off-road Equipment - Project Equipment

Off-road Equipment - Project Equipment

Off-road Equipment - Project Equipment

Off-road Equipment - Project Equipment

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Construction Off-road Equipment Mitigation -
Off-road Equipment - Project Specific

Table Name	Column Name	Default Value	New Value
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2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	11.7258	124.2141	88.2619	0.1863	11.9334	5.3668	17.3001	5.6443	4.9440	10.5882	0.0000	16,349.6642	16,349.6642	5.2290	0.0000	16,480.3899
2021	13.5657	141.6310	105.3781	0.2248	10.9648	6.0188	16.9836	5.0891	5.5434	10.6325	0.0000	19,722.7256	19,722.7256	6.3164	0.0000	19,880.6356
2022	13.4893	138.8341	109.5124	0.2373	18.4638	5.7709	24.2346	8.4774	5.3147	13.7921	0.0000	20,820.0781	20,820.0781	6.6709	0.0000	20,986.8506
2023	12.8722	127.5010	108.6844	0.2378	21.1036	5.2605	26.3641	9.1947	4.8447	14.0394	0.0000	20,862.2017	20,862.2017	6.6829	0.0000	21,029.2742
2024	10.9338	102.4574	98.2428	0.2227	14.3883	4.1914	18.5797	6.3449	3.8606	10.2055	0.0000	19,532.6472	19,532.6472	6.2531	0.0000	19,688.9738
Maximum	**13.5657**	**141.6310**	**109.5124**	**0.2378**	**21.1036**	**6.0188**	**26.3641**	**9.1947**	**5.5434**	**14.0394**	**0.0000**	**20,862.2017**	**20,862.2017**	**6.6829**	**0.0000**	**21,029.2742**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	11.7258	124.2140	88.2618	0.1863	4.6540	5.3668	10.0208	2.2013	4.9440	7.1452	0.0000	16,349.6448	16,349.6448	5.2290	0.0000	16,480.3703
2021	13.5657	141.6309	105.3780	0.2248	4.2763	6.0188	10.2951	1.9848	5.5434	7.5282	0.0000	19,722.7022	19,722.7022	6.3164	0.0000	19,880.6120
2022	13.4893	138.8340	109.5123	0.2373	7.2009	5.7709	12.9717	3.3062	5.3147	8.6209	0.0000	20,820.0533	20,820.0533	6.6709	0.0000	20,986.8256
2023	12.8722	127.5009	108.6843	0.2378	8.2304	5.2605	13.4909	3.5859	4.8447	8.4306	0.0000	20,862.1769	20,862.1769	6.6829	0.0000	21,029.2492
2024	10.9338	102.4572	98.2427	0.2227	5.6114	4.1914	9.8028	2.4745	3.8606	6.3351	0.0000	19,532.6240	19,532.6240	6.2531	0.0000	19,688.9504
Maximum	**13.5657**	**141.6309**	**109.5123**	**0.2378**	**8.2304**	**6.0188**	**13.4909**	**3.5859**	**5.5434**	**8.6209**	**0.0000**	**20,862.1769**	**20,862.1769**	**6.6829**	**0.0000**	**21,029.2492**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e

Percent Reduction	0.00	0.00	0.00	0.00	61.00	0.00	45.31	61.00	0.00	35.77	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2020	3-31-2020	33.7256	33.7256
2	4-1-2020	6-30-2020	33.7256	33.7256
3	7-1-2020	9-30-2020	34.0962	34.0962
4	10-1-2020	12-31-2020	34.0962	34.0962
5	1-1-2021	3-31-2021	38.2258	38.2258
6	4-1-2021	6-30-2021	38.6505	38.6505
7	7-1-2021	9-30-2021	39.0753	39.0753
8	10-1-2021	12-31-2021	39.0753	39.0753
9	1-1-2022	3-31-2022	37.6624	37.6624
10	4-1-2022	6-30-2022	38.0809	38.0809
11	7-1-2022	9-30-2022	38.4993	38.4993
12	10-1-2022	12-31-2022	38.4993	38.4993
13	1-1-2023	3-31-2023	34.7077	34.7077
14	4-1-2023	6-30-2023	35.0933	35.0933
15	7-1-2023	9-30-2023	35.4789	35.4789
16	10-1-2023	12-31-2023	35.4789	35.4789
17	1-1-2024	3-31-2024	28.1314	28.1314
18	4-1-2024	6-30-2024	28.1314	28.1314
19	7-1-2024	9-30-2024	28.4405	28.4405
		Highest	39.0753	39.0753

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	165.9964	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758

Energy	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	35,527.5807	35,527.5807	1.3695	0.3465	35,665.0832
Waste						0.0000	0.0000		0.0000	0.0000	7,746.9471	0.0000	7,746.9471	457.8315	0.0000	19,192.7336
Water						0.0000	0.0000		0.0000	0.0000	2,978.6172	38,951.7603	41,930.3775	307.5407	7.5564	51,870.7141
Total	**166.4408**	**4.0447**	**3.9101**	**0.0243**		**0.3089**	**0.3089**		**0.3089**	**0.3089**	**10,725.5643**	**74,480.3517**	**85,205.9160**	**766.7442**	**7.9030**	**106,729.6066**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	165.9964	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758
Energy	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	35,527.5807	35,527.5807	1.3695	0.3465	35,665.0832
Waste						0.0000	0.0000		0.0000	0.0000	7,746.9471	0.0000	7,746.9471	457.8315	0.0000	19,192.7336
Water						0.0000	0.0000		0.0000	0.0000	2,978.6172	38,951.7603	41,930.3775	307.5407	7.5564	51,870.7141
Total	**166.4408**	**4.0447**	**3.9101**	**0.0243**		**0.3089**	**0.3089**		**0.3089**	**0.3089**	**10,725.5643**	**74,480.3517**	**85,205.9160**	**766.7442**	**7.9030**	**106,729.6066**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Plots 2 and 4 (2020) Mass Excavation	Grading	1/1/2020	12/31/2020	5	262	11
2	Plots 2 and 4 (2020) Finish Grading	Grading	1/1/2020	12/31/2020	5	262	12
3	Plots 2 and 4 (2020) Utilities	Trenching	1/1/2020	12/31/2020	5	262	13

4	Plots 2 and 4 (2020) Landscaping	Building Construction	1/1/2020	12/31/2020	5	262	14
5	Plots 2 and 4 (2020) Building Concrete	Building Construction	1/1/2020	12/31/2020	5	262	15
6	Plots 2 and 4 (2020) Building-Wet Utilities	Building Construction	1/1/2020	12/31/2020	5	262	16
7	Plots 2 and 4 (2020) Building-Electrical	Building Construction	1/1/2020	12/31/2020	5	262	17
8	Plots 2 and 4 (2020) Temporary Utilities	Building Construction	1/1/2020	12/31/2020	5	262	18
9	Plots 2 and 4 (2020) Building-Landscaping	Building Construction	1/1/2020	12/31/2020	5	262	19
10	Plots 2 and 4 (2020) Paving	Paving	1/1/2020	12/31/2020	5	262	20
11	Plots 2 and 4 (2020) Curbing/Drive Approaches	Paving	1/1/2020	12/31/2020	5	262	21
12	Plot 4 (2021) Mass Excavation	Grading	1/1/2021	12/31/2021	5	261	22
13	Plot 4 (2021) Finish Grading	Grading	1/1/2021	12/31/2021	5	261	23
14	Plot 4 (2021) Utilities	Trenching	1/1/2021	12/31/2021	5	261	24
15	Plot 4 (2021) Building-Concrete	Building Construction	1/1/2021	12/31/2021	5	261	25
16	Plot 4 (2021) Building-Wet Utilities	Building Construction	1/1/2021	12/31/2021	5	261	26
17	Plot 4 (2021) Building-Electrical	Building Construction	1/1/2021	12/31/2021	5	261	27
18	Plot 4 (2021) Building-Landscaping	Building Construction	1/1/2021	12/31/2021	5	261	28
19	Plot 4 (2021) Landscaping	Building Construction	1/1/2021	12/31/2021	5	261	29
20	Plot 4 (2021) Temporary Utilities	Building Construction	1/1/2021	12/31/2021	5	261	30
21	Plot 4 (2021) Curbing/Drive Approaches	Paving	1/1/2021	12/31/2021	5	261	31
22	Plot 4 (2021) Paving	Paving	1/1/2021	12/31/2021	5	261	32
23	Plots 4 and 9 (2022) Mass Excavation	Grading	1/1/2022	12/31/2022	5	260	33
24	Plots 4 and 9 (2022) Finish Grading	Grading	1/1/2022	12/31/2022	5	260	34
25	Plots 4 and 9 (2022) Utilities	Trenching	1/1/2022	12/31/2022	5	260	35
26	Plots 4 and 9 (2022) Building-Concrete	Building Construction	1/1/2022	12/31/2022	5	260	36
27	Plots 4 and 9 (2022) Building-Wet Utilities	Building Construction	1/1/2022	12/31/2022	5	260	37
28	Plots 4 and 9 (2022) Building-Electrical	Building Construction	1/1/2022	12/31/2022	5	260	38
29	Plots 4 and 9 (2022) Building-Landscaping	Building Construction	1/1/2022	12/31/2022	5	260	39
30	Plots 4 and 9 (2022) Landscaping	Building Construction	1/1/2022	12/31/2022	5	260	40
31	Plots 4 and 9 (2022) Temporary Utilities	Building Construction	1/1/2022	12/31/2022	5	260	41
32	Plots 4 and 9 (2022) Curbing/Drive Approaches	Paving	1/1/2022	12/31/2022	5	260	42
33	Plots 4 and 9 (2022) Paving	Paving	1/1/2022	12/31/2022	5	260	43
34	Plot 9 (2023) Mass Excavation	Grading	1/1/2023	12/31/2023	5	260	44
35	Plot 9 (2023) Finish Grading	Grading	1/1/2023	12/31/2023	5	260	45

36	Plot 9 (2023) Utilities	Trenching	1/1/2023	12/31/2023	5	260	46
37	Plot 9 (2023) Building-Concrete	Building Construction	1/1/2023	12/31/2023	5	260	47
38	Plot 9 (2023) Building-Wet Utilities	Building Construction	1/1/2023	12/31/2023	5	260	48
39	Plot 9 (2023) Building-Electrical	Building Construction	1/1/2023	12/31/2023	5	260	49
40	Plot 9 (2023) Building-Landscaping	Building Construction	1/1/2023	12/31/2023	5	260	50
41	Plot 9 (2023) Interchange	Building Construction	1/1/2023	12/31/2023	5	260	51
42	Plot 9 (2023) Landscaping	Building Construction	1/1/2023	12/31/2023	5	260	52
43	Plot 9 (2023) Temporary Utilities	Building Construction	1/1/2023	12/31/2023	5	260	53
44	Plot 9 (2023) Curbing/Drive Approaches	Paving	1/1/2023	12/31/2023	5	260	54
45	Plot 9 (2023) Paving	Paving	1/1/2023	12/31/2023	5	260	55
46	Plots 9 and 1,3,20 (2024) Mass Excavation	Grading	1/1/2024	12/31/2024	5	261	56
47	Plots 9 and 1,3,20 (2024) Finish Grading	Grading	1/1/2024	12/31/2024	5	262	57
48	Plots 9 and 1,3,20 (2024) Utilities	Trenching	1/1/2024	12/31/2024	5	262	58
49	Plots 9 and 1,3,20 (2024) Building-Concrete	Building Construction	1/1/2024	12/31/2024	5	262	59
50	Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Building Construction	1/1/2024	12/31/2024	5	262	60
51	Plots 9 and 1,3,20 (2024) Building-Electrical	Building Construction	1/1/2024	12/31/2024	5	262	61
52	Plots 9 and 1,3,20 (2024) Building-Landscaping	Building Construction	1/1/2024	12/31/2024	5	262	62
53	Plots 9 and 1,3,20 (2024) Interchange	Building Construction	1/1/2024	12/31/2024	5	262	63
54	Plots 9 and 1,3,20 (2024) Landscaping	Building Construction	1/1/2024	12/31/2024	5	262	64
55	Plots 9 and 1,3,20 (2024) Temporary Utilities	Building Construction	1/1/2024	12/31/2024	5	262	65
56	Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	Paving	1/1/2024	12/31/2024	5	262	66
57	Plots 9 and 1,3,20 (2024) Paving	Paving	1/1/2024	12/31/2024	5	262	67

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 123.6

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Plots 2 and 4 (2020) Mass Excavation	Graders	1	10.00	193	0.41

Plots 2 and 4 (2020) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plots 2 and 4 (2020) Mass Excavation	Other Material Handling Equipment	4	1.00	167	0.40
Plots 2 and 4 (2020) Mass Excavation	Other Material Handling Equipment	4	1.00	167	0.40
Plots 2 and 4 (2020) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 2 and 4 (2020) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 2 and 4 (2020) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 2 and 4 (2020) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 2 and 4 (2020) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plots 2 and 4 (2020) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plots 2 and 4 (2020) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plots 2 and 4 (2020) Mass Excavation	Rubber Tired Dozers	3	10.00	85	0.40
Plots 2 and 4 (2020) Mass Excavation	Scrapers	6	10.00	550	0.48
Plots 2 and 4 (2020) Mass Excavation	Scrapers	12	10.00	550	0.48
Plots 2 and 4 (2020) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 2 and 4 (2020) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 2 and 4 (2020) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 2 and 4 (2020) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plots 2 and 4 (2020) Finish Grading	Rubber Tired Dozers	3	10.00	85	0.40
Plots 2 and 4 (2020) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 2 and 4 (2020) Utilities	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 2 and 4 (2020) Utilities	Excavators	2	10.00	523	0.38
Plots 2 and 4 (2020) Utilities	Excavators	5	10.00	286	0.38
Plots 2 and 4 (2020) Utilities	Excavators	2	10.00	190	0.38
Plots 2 and 4 (2020) Utilities	Excavators	4	10.00	396	0.38
Plots 2 and 4 (2020) Utilities	Excavators	2	10.00	190	0.38
Plots 2 and 4 (2020) Utilities	Excavators	2	10.00	188	0.38
Plots 2 and 4 (2020) Utilities	Excavators	8	10.00	40	0.38
Plots 2 and 4 (2020) Utilities	Forklifts	4	10.00	89	0.20
Plots 2 and 4 (2020) Utilities	Other Material Handling Equipment	7	1.00	167	0.40
Plots 2 and 4 (2020) Utilities	Other Material Handling Equipment	16	1.00	167	0.40
Plots 2 and 4 (2020) Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 2 and 4 (2020) Utilities	Tractors/Loaders/Backhoes	8	10.00	90	0.37

Plots 2 and 4 (2020) Landscaping	Excavators	2	10.00	29	0.38
Plots 2 and 4 (2020) Landscaping	Forklifts	2	10.00	125	0.20
Plots 2 and 4 (2020) Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 2 and 4 (2020) Landscaping	Other Material Handling Equipment	10	1.00	167	0.40
Plots 2 and 4 (2020) Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 2 and 4 (2020) Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 2 and 4 (2020) Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 2 and 4 (2020) Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plots 2 and 4 (2020) Landscaping	Trenchers	2	10.00	39	0.50
Plots 2 and 4 (2020) Building Concrete	Cement and Mortar Mixers	15	1.00	9	0.56
Plots 2 and 4 (2020) Building Concrete	Other Material Handling Equipment	2	1.00	167	0.40
Plots 2 and 4 (2020) Building Concrete	Pumps	2	10.00	84	0.74
Plots 2 and 4 (2020) Building Concrete	Tractors/Loaders/Backhoes	4	10.00	78	0.37
Plots 2 and 4 (2020) Building-Wet Utilities	Excavators	2	10.00	300	0.38
Plots 2 and 4 (2020) Building-Wet Utilities	Excavators	2	10.00	179	0.38
Plots 2 and 4 (2020) Building-Wet Utilities	Excavators	2	10.00	173	0.38
Plots 2 and 4 (2020) Building-Wet Utilities	Other Material Handling Equipment	15	1.00	167	0.40
Plots 2 and 4 (2020) Building-Wet Utilities	Rubber Tired Loaders	6	10.00	152	0.36
Plots 2 and 4 (2020) Building-Wet Utilities	Tractors/Loaders/Backhoes	4	10.00	85	0.37
Plots 2 and 4 (2020) Building-Wet Utilities	Tractors/Loaders/Backhoes	6	10.00	108	0.37
Plots 2 and 4 (2020) Building-Electrical	Cement and Mortar Mixers	16	1.00	9	0.56
Plots 2 and 4 (2020) Building-Electrical	Excavators	4	10.00	40	0.38
Plots 2 and 4 (2020) Building-Electrical	Forklifts	4	10.00	89	0.20
Plots 2 and 4 (2020) Building-Electrical	Other Material Handling Equipment	6	1.00	167	0.40
Plots 2 and 4 (2020) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 2 and 4 (2020) Temporary Utilities	Cranes	2	10.00	445	0.29
Plots 2 and 4 (2020) Building-Landscaping	Excavators	2	10.00	29	0.38
Plots 2 and 4 (2020) Building-Landscaping	Forklifts	2	10.00	125	0.20
Plots 2 and 4 (2020) Building-Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 2 and 4 (2020) Building-Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 2 and 4 (2020) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 2 and 4 (2020) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37

Plots 2 and 4 (2020) Building-Landscaping	Trenchers	2	10.00	39	0.50
Plots 2 and 4 (2020) Paving	Other Material Handling Equipment	6	1.00	167	0.40
Plots 2 and 4 (2020) Paving	Pavers	2	10.00	126	0.42
Plots 2 and 4 (2020) Paving	Paving Equipment	2	10.00	131	0.36
Plots 2 and 4 (2020) Paving	Plate Compactors	2	10.00	8	0.43
Plots 2 and 4 (2020) Paving	Rollers	2	10.00	81	0.38
Plots 2 and 4 (2020) Paving	Scrapers	2	10.00	362	0.48
Plots 2 and 4 (2020) Paving	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 2 and 4 (2020) Curbing/Drive Approaches	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 2 and 4 (2020) Curbing/Drive Approaches	Other Material Handling Equipment	4	1.00	167	0.40
Plots 2 and 4 (2020) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plots 2 and 4 (2020) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plots 2 and 4 (2020) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plot 4 (2021) Mass Excavation	Graders	2	10.00	193	0.41
Plot 4 (2021) Mass Excavation	Off-Highway Trucks	2	10.00	400	0.38
Plot 4 (2021) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40
Plot 4 (2021) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40
Plot 4 (2021) Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plot 4 (2021) Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plot 4 (2021) Mass Excavation	Rubber Tired Dozers	2	10.00	305	0.40
Plot 4 (2021) Mass Excavation	Rubber Tired Dozers	2	10.00	140	0.40
Plot 4 (2021) Mass Excavation	Rubber Tired Dozers	3	10.00	85	0.40
Plot 4 (2021) Mass Excavation	Rubber Tired Dozers	3	10.00	580	0.40
Plot 4 (2021) Mass Excavation	Rubber Tired Dozers	3	10.00	580	0.40
Plot 4 (2021) Mass Excavation	Rubber Tired Dozers	3	10.00	410	0.40
Plot 4 (2021) Mass Excavation	Scrapers	6	10.00	550	0.48
Plot 4 (2021) Mass Excavation	Scrapers	14	10.00	550	0.48
Plot 4 (2021) Mass Excavation	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 4 (2021) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 4 (2021) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 4 (2021) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plot 4 (2021) Finish Grading	Rubber Tired Dozers	3	10.00	85	0.40

Plot 4 (2021) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 4 (2021) Utilities	Cement and Mortar Mixers	8	1.00	9	0.56
Plot 4 (2021) Utilities	Excavators	2	10.00	523	0.38
Plot 4 (2021) Utilities	Excavators	10	10.00	286	0.38
Plot 4 (2021) Utilities	Excavators	2	10.00	190	0.38
Plot 4 (2021) Utilities	Excavators	4	10.00	396	0.38
Plot 4 (2021) Utilities	Excavators	2	10.00	190	0.38
Plot 4 (2021) Utilities	Excavators	2	10.00	188	0.38
Plot 4 (2021) Utilities	Excavators	8	10.00	40	0.38
Plot 4 (2021) Utilities	Forklifts	4	10.00	89	0.20
Plot 4 (2021) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 4 (2021) Utilities	Other Material Handling Equipment	18	1.00	167	0.40
Plot 4 (2021) Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 4 (2021) Utilities	Tractors/Loaders/Backhoes	8	10.00	90	0.37
Plot 4 (2021) Building-Concrete	Cement and Mortar Mixers	30	1.00	9	0.56
Plot 4 (2021) Building-Concrete	Other Material Handling Equipment	2	1.00	167	0.40
Plot 4 (2021) Building-Concrete	Pumps	2	10.00	84	0.74
Plot 4 (2021) Building-Concrete	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plot 4 (2021) Building-Wet Utilities	Excavators	2	10.00	300	0.38
Plot 4 (2021) Building-Wet Utilities	Excavators	2	10.00	179	0.38
Plot 4 (2021) Building-Wet Utilities	Excavators	2	10.00	173	0.38
Plot 4 (2021) Building-Wet Utilities	Other Material Handling Equipment	15	1.00	167	0.40
Plot 4 (2021) Building-Wet Utilities	Rubber Tired Loaders	6	10.00	152	0.36
Plot 4 (2021) Building-Wet Utilities	Tractors/Loaders/Backhoes	4	10.00	108	0.37
Plot 4 (2021) Building-Wet Utilities	Tractors/Loaders/Backhoes	6	10.00	108	0.37
Plot 4 (2021) Building-Electrical	Cement and Mortar Mixers	18	1.00	9	0.56
Plot 4 (2021) Building-Electrical	Excavators	10	10.00	40	0.38
Plot 4 (2021) Building-Electrical	Forklifts	4	10.00	89	0.20
Plot 4 (2021) Building-Electrical	Other Material Handling Equipment	6	1.00	167	0.40
Plot 4 (2021) Building-Electrical	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plot 4 (2021) Building-Landscaping	Excavators	2	10.00	29	0.38
Plot 4 (2021) Building-Landscaping	Forklifts	2	10.00	125	0.20

Plot 4 (2021) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plot 4 (2021) Building-Landscaping	Other Material Handling Equipment	3	1.00	167	0.40
Plot 4 (2021) Building-Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plot 4 (2021) Building-Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plot 4 (2021) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plot 4 (2021) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plot 4 (2021) Building-Landscaping	Trenchers	2	10.00	39	0.50
Plot 4 (2021) Landscaping	Excavators	2	10.00	29	0.38
Plot 4 (2021) Landscaping	Forklifts	2	10.00	125	0.20
Plot 4 (2021) Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 4 (2021) Landscaping	Other Material Handling Equipment	10	1.00	167	0.40
Plot 4 (2021) Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plot 4 (2021) Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plot 4 (2021) Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plot 4 (2021) Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plot 4 (2021) Landscaping	Trenchers	2	10.00	39	0.50
Plot 4 (2021) Temporary Utilities	Cranes	2	10.00	445	0.29
Plot 4 (2021) Curbing/Drive Approaches	Cement and Mortar Mixers	8	1.00	9	0.56
Plot 4 (2021) Curbing/Drive Approaches	Other Material Handling Equipment	4	1.00	167	0.40
Plot 4 (2021) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plot 4 (2021) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plot 4 (2021) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plot 4 (2021) Paving	Other Material Handling Equipment	6	1.00	167	0.40
Plot 4 (2021) Paving	Pavers	2	10.00	126	0.42
Plot 4 (2021) Paving	Paving Equipment	2	10.00	131	0.36
Plot 4 (2021) Paving	Plate Compactors	2	10.00	8	0.43
Plot 4 (2021) Paving	Rollers	2	10.00	81	0.38
Plot 4 (2021) Paving	Scrapers	2	10.00	362	0.48
Plot 4 (2021) Paving	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 4 and 9 (2022) Mass Excavation	Graders	2	10.00	193	0.41
Plots 4 and 9 (2022) Mass Excavation	Off-Highway Trucks	2	10.00	400	0.38
Plots 4 and 9 (2022) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40

Plots 4 and 9 (2022)	Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40
Plots 4 and 9 (2022)	Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plots 4 and 9 (2022)	Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plots 4 and 9 (2022)	Mass Excavation	Rubber Tired Dozers	4	10.00	580	0.40
Plots 4 and 9 (2022)	Mass Excavation	Rubber Tired Dozers	4	10.00	580	0.40
Plots 4 and 9 (2022)	Mass Excavation	Rubber Tired Dozers	4	10.00	410	0.40
Plots 4 and 9 (2022)	Mass Excavation	Rubber Tired Dozers	2	10.00	305	0.40
Plots 4 and 9 (2022)	Mass Excavation	Rubber Tired Dozers	2	10.00	140	0.40
Plots 4 and 9 (2022)	Mass Excavation	Rubber Tired Dozers	3	10.00	85	0.40
Plots 4 and 9 (2022)	Mass Excavation	Scrapers	6	10.00	550	0.48
Plots 4 and 9 (2022)	Mass Excavation	Scrapers	14	10.00	550	0.48
Plots 4 and 9 (2022)	Mass Excavation	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 4 and 9 (2022)	Finish Grading	Other Construction Equipment	2	10.00	167	0.42
Plots 4 and 9 (2022)	Finish Grading	Other Construction Equipment	2	10.00	167	0.42
Plots 4 and 9 (2022)	Finish Grading	Rubber Tired Dozers	2	10.00	140	0.40
Plots 4 and 9 (2022)	Finish Grading	Rubber Tired Dozers	4	10.00	85	0.40
Plots 4 and 9 (2022)	Finish Grading	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 4 and 9 (2022)	Utilities	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 4 and 9 (2022)	Utilities	Excavators	2	10.00	523	0.38
Plots 4 and 9 (2022)	Utilities	Excavators	10	10.00	286	0.38
Plots 4 and 9 (2022)	Utilities	Excavators	2	10.00	190	0.38
Plots 4 and 9 (2022)	Utilities	Excavators	4	10.00	396	0.38
Plots 4 and 9 (2022)	Utilities	Excavators	2	10.00	190	0.38
Plots 4 and 9 (2022)	Utilities	Excavators	2	10.00	188	0.38
Plots 4 and 9 (2022)	Utilities	Excavators	8	10.00	40	0.38
Plots 4 and 9 (2022)	Utilities	Forklifts	4	10.00	89	0.20
Plots 4 and 9 (2022)	Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 4 and 9 (2022)	Utilities	Other Material Handling Equipment	18	1.00	167	0.40
Plots 4 and 9 (2022)	Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 4 and 9 (2022)	Utilities	Tractors/Loaders/Backhoes	8	10.00	90	0.37
Plots 4 and 9 (2022)	Building-Concrete	Cement and Mortar Mixers	30	1.00	9	0.56
Plots 4 and 9 (2022)	Building-Concrete	Other Material Handling Equipment	2	1.00	167	0.40

Plots 4 and 9 (2022) Building-Concrete	Pumps	2	10.00	84	0.74
Plots 4 and 9 (2022) Building-Concrete	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plots 4 and 9 (2022) Building-Wet Utilities	Excavators	2	10.00	300	0.38
Plots 4 and 9 (2022) Building-Wet Utilities	Excavators	2	10.00	179	0.38
Plots 4 and 9 (2022) Building-Wet Utilities	Excavators	2	10.00	173	0.38
Plots 4 and 9 (2022) Building-Wet Utilities	Other Material Handling Equipment	15	1.00	167	0.40
Plots 4 and 9 (2022) Building-Wet Utilities	Rubber Tired Loaders	6	10.00	152	0.36
Plots 4 and 9 (2022) Building-Wet Utilities	Tractors/Loaders/Backhoes	4	10.00	85	0.37
Plots 4 and 9 (2022) Building-Wet Utilities	Tractors/Loaders/Backhoes	6	10.00	108	0.37
Plots 4 and 9 (2022) Building-Electrical	Cement and Mortar Mixers	18	1.00	9	0.56
Plots 4 and 9 (2022) Building-Electrical	Excavators	10	10.00	40	0.38
Plots 4 and 9 (2022) Building-Electrical	Forklifts	4	10.00	89	0.20
Plots 4 and 9 (2022) Building-Electrical	Other Material Handling Equipment	6	1.00	167	0.40
Plots 4 and 9 (2022) Building-Electrical	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plots 4 and 9 (2022) Building-Landscaping	Excavators	2	10.00	29	0.38
Plots 4 and 9 (2022) Building-Landscaping	Forklifts	2	10.00	125	0.20
Plots 4 and 9 (2022) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plots 4 and 9 (2022) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plots 4 and 9 (2022) Building-Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 4 and 9 (2022) Building-Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 4 and 9 (2022) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 4 and 9 (2022) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plots 4 and 9 (2022) Building-Landscaping	Trenchers	2	10.00	39	0.50
Plots 4 and 9 (2022) Landscaping	Excavators	2	10.00	29	0.38
Plots 4 and 9 (2022) Landscaping	Forklifts	2	10.00	125	0.20
Plots 4 and 9 (2022) Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 4 and 9 (2022) Landscaping	Other Material Handling Equipment	10	1.00	167	0.40
Plots 4 and 9 (2022) Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 4 and 9 (2022) Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 4 and 9 (2022) Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 4 and 9 (2022) Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plots 4 and 9 (2022) Landscaping	Trenchers	2	10.00	39	0.50

Plots 4 and 9 (2022) Temporary Utilities	Cranes	2	10.00	445	0.29
Plots 4 and 9 (2022) Curbing/Drive Approaches	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 4 and 9 (2022) Curbing/Drive Approaches	Other Material Handling Equipment	4	1.00	167	0.40
Plots 4 and 9 (2022) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plots 4 and 9 (2022) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plots 4 and 9 (2022) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plots 4 and 9 (2022) Paving	Other Material Handling Equipment	6	1.00	167	0.40
Plots 4 and 9 (2022) Paving	Pavers	2	10.00	126	0.42
Plots 4 and 9 (2022) Paving	Paving Equipment	2	10.00	131	0.36
Plots 4 and 9 (2022) Paving	Plate Compactors	2	10.00	8	0.43
Plots 4 and 9 (2022) Paving	Rollers	2	10.00	81	0.38
Plots 4 and 9 (2022) Paving	Scrapers	2	10.00	362	0.48
Plots 4 and 9 (2022) Paving	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 9 (2023) Mass Excavation	Graders	2	10.00	193	0.41
Plot 9 (2023) Mass Excavation	Off-Highway Trucks	2	10.00	400	0.38
Plot 9 (2023) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40
Plot 9 (2023) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40
Plot 9 (2023) Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plot 9 (2023) Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plot 9 (2023) Mass Excavation	Rubber Tired Dozers	4	10.00	580	0.40
Plot 9 (2023) Mass Excavation	Rubber Tired Dozers	4	10.00	580	0.40
Plot 9 (2023) Mass Excavation	Rubber Tired Dozers	4	10.00	410	0.40
Plot 9 (2023) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plot 9 (2023) Mass Excavation	Rubber Tired Dozers	2	10.00	140	0.40
Plot 9 (2023) Mass Excavation	Rubber Tired Dozers	3	10.00	85	0.40
Plot 9 (2023) Mass Excavation	Scrapers	6	10.00	550	0.48
Plot 9 (2023) Mass Excavation	Scrapers	12	10.00	550	0.48
Plot 9 (2023) Mass Excavation	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 9 (2023) Finish Grading	Other Material Handling Equipment	2	1.00	167	0.40
Plot 9 (2023) Finish Grading	Other Material Handling Equipment	2	1.00	167	0.40
Plot 9 (2023) Finish Grading	Rubber Tired Dozers	2	10.00	140	0.40
Plot 9 (2023) Finish Grading	Rubber Tired Dozers	4	10.00	85	0.40

Plot 9 (2023) Finish Grading	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 9 (2023) Utilities	Cement and Mortar Mixers	8	1.00	9	0.56
Plot 9 (2023) Utilities	Excavators	2	10.00	523	0.38
Plot 9 (2023) Utilities	Excavators	10	10.00	286	0.38
Plot 9 (2023) Utilities	Excavators	2	10.00	190	0.38
Plot 9 (2023) Utilities	Excavators	4	10.00	396	0.38
Plot 9 (2023) Utilities	Excavators	2	10.00	190	0.38
Plot 9 (2023) Utilities	Excavators	2	10.00	188	0.38
Plot 9 (2023) Utilities	Excavators	8	10.00	40	0.38
Plot 9 (2023) Utilities	Forklifts	4	10.00	89	0.20
Plot 9 (2023) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 9 (2023) Utilities	Other Material Handling Equipment	18	1.00	167	0.40
Plot 9 (2023) Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 9 (2023) Utilities	Tractors/Loaders/Backhoes	8	10.00	90	0.37
Plot 9 (2023) Building-Concrete	Cement and Mortar Mixers	30	1.00	9	0.56
Plot 9 (2023) Building-Concrete	Other Material Handling Equipment	2	1.00	167	0.40
Plot 9 (2023) Building-Concrete	Pumps	2	10.00	84	0.74
Plot 9 (2023) Building-Concrete	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plot 9 (2023) Building-Wet Utilities	Excavators	2	10.00	300	0.38
Plot 9 (2023) Building-Wet Utilities	Excavators	2	10.00	179	0.38
Plot 9 (2023) Building-Wet Utilities	Excavators	2	10.00	173	0.38
Plot 9 (2023) Building-Wet Utilities	Other Material Handling Equipment	15	1.00	167	0.40
Plot 9 (2023) Building-Wet Utilities	Rubber Tired Loaders	6	10.00	152	0.36
Plot 9 (2023) Building-Wet Utilities	Tractors/Loaders/Backhoes	6	10.00	108	0.37
Plot 9 (2023) Building-Wet Utilities	Tractors/Loaders/Backhoes	4	10.00	85	0.37
Plot 9 (2023) Building-Electrical	Cement and Mortar Mixers	18	1.00	9	0.56
Plot 9 (2023) Building-Electrical	Excavators	10	10.00	40	0.38
Plot 9 (2023) Building-Electrical	Forklifts	4	10.00	89	0.20
Plot 9 (2023) Building-Electrical	Other Material Handling Equipment	6	1.00	167	0.40
Plot 9 (2023) Building-Electrical	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plot 9 (2023) Building-Landscaping	Excavators	2	10.00	29	0.38
Plot 9 (2023) Building-Landscaping	Forklifts	2	10.00	125	0.20

Plot 9 (2023) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plot 9 (2023) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plot 9 (2023) Building-Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plot 9 (2023) Building-Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plot 9 (2023) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plot 9 (2023) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plot 9 (2023) Building-Landscaping	Trenchers	2	10.00	39	0.50
Plot 9 (2023) Landscaping	Excavators	2	10.00	29	0.38
Plot 9 (2023) Landscaping	Forklifts	2	10.00	125	0.20
Plot 9 (2023) Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 9 (2023) Landscaping	Other Material Handling Equipment	10	1.00	167	0.40
Plot 9 (2023) Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plot 9 (2023) Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plot 9 (2023) Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plot 9 (2023) Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plot 9 (2023) Landscaping	Trenchers	2	10.00	39	0.50
Plot 9 (2023) Temporary Utilities	Cranes	2	10.00	445	0.29
Plot 9 (2023) Curbing/Drive Approaches	Cement and Mortar Mixers	8	1.00	9	0.56
Plot 9 (2023) Curbing/Drive Approaches	Other Material Handling Equipment	6	1.00	167	0.40
Plot 9 (2023) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plot 9 (2023) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plot 9 (2023) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plot 9 (2023) Paving	Other Material Handling Equipment	6	1.00	167	0.40
Plot 9 (2023) Paving	Pavers	2	10.00	126	0.42
Plot 9 (2023) Paving	Paving Equipment	2	10.00	131	0.36
Plot 9 (2023) Paving	Plate Compactors	2	10.00	8	0.43
Plot 9 (2023) Paving	Rollers	2	10.00	81	0.38
Plot 9 (2023) Paving	Scrapers	2	10.00	362	0.48
Plot 9 (2023) Paving	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 9 (2023) Interchange	Bore/Drill Rigs	1	10.00	206	0.50
Plot 9 (2023) Interchange	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 9 (2023) Interchange	Cranes	1	10.00	226	0.29

Plot 9 (2023) Interchange	Excavators	1	10.00	190	0.38
Plot 9 (2023) Interchange	Graders	1	10.00	259	0.41
Plot 9 (2023) Interchange	Other General Industrial Equipment	1	10.00	88	0.34
Plot 9 (2023) Interchange	Other Material Handling Equipment	4	1.00	167	0.40
Plot 9 (2023) Interchange	Rubber Tired Dozers	1	10.00	410	0.40
Plot 9 (2023) Interchange	Rubber Tired Dozers	1	10.00	140	0.40
Plot 9 (2023) Interchange	Rubber Tired Loaders	1	10.00	180	0.36
Plot 9 (2023) Interchange	Scrapers	1	10.00	330	0.48
Plot 9 (2023) Interchange	Tractors/Loaders/Backhoes	1	10.00	98	0.37
Plot 9 (2023) Interchange	Tractors/Loaders/Backhoes	1	10.00	90	0.37
Plots 9 and 1,3,20 (2024) Mass Excavation	Graders	2	10.00	193	0.41
Plots 9 and 1,3,20 (2024) Mass Excavation	Off-Highway Trucks	2	10.00	400	0.38
Plots 9 and 1,3,20 (2024) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plots 9 and 1,3,20 (2024) Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plots 9 and 1,3,20 (2024) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 9 and 1,3,20 (2024) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 9 and 1,3,20 (2024) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plots 9 and 1,3,20 (2024) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plots 9 and 1,3,20 (2024) Mass Excavation	Rubber Tired Dozers	2	10.00	140	0.40
Plots 9 and 1,3,20 (2024) Mass Excavation	Rubber Tired Dozers	3	10.00	85	0.40
Plots 9 and 1,3,20 (2024) Mass Excavation	Scrapers	6	10.00	550	0.48
Plots 9 and 1,3,20 (2024) Mass Excavation	Scrapers	12	10.00	550	0.48
Plots 9 and 1,3,20 (2024) Mass Excavation	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 9 and 1,3,20 (2024) Utilities	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 9 and 1,3,20 (2024) Utilities	Excavators	2	10.00	523	0.38
Plots 9 and 1,3,20 (2024) Utilities	Excavators	10	10.00	286	0.38
Plots 9 and 1,3,20 (2024) Utilities	Excavators	2	10.00	190	0.38
Plots 9 and 1,3,20 (2024) Utilities	Excavators	4	10.00	396	0.38
Plots 9 and 1,3,20 (2024) Utilities	Excavators	2	10.00	190	0.38
Plots 9 and 1,3,20 (2024) Utilities	Excavators	2	10.00	188	0.38

Plots 9 and 1,3,20 (2024) Utilities	Excavators	8	10.00	40	0.38
Plots 9 and 1,3,20 (2024) Utilities	Forklifts	4	10.00	89	0.20
Plots 9 and 1,3,20 (2024) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Utilities	Other Material Handling Equipment	20	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 9 and 1,3,20 (2024) Utilities	Tractors/Loaders/Backhoes	8	10.00	90	0.37
Plots 9 and 1,3,20 (2024) Building-Concrete	Cement and Mortar Mixers	30	1.00	9	0.56
Plots 9 and 1,3,20 (2024) Building-Concrete	Other Material Handling Equipment	2	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Building-Concrete	Pumps	2	10.00	84	0.74
Plots 9 and 1,3,20 (2024) Building-Concrete	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Excavators	2	10.00	300	0.38
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Excavators	2	10.00	179	0.38
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Excavators	2	10.00	173	0.38
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Other Material Handling Equipment	15	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Rubber Tired Loaders	6	10.00	152	0.36
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Tractors/Loaders/Backhoes	6	10.00	108	0.37
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Tractors/Loaders/Backhoes	4	10.00	85	0.37
Plots 9 and 1,3,20 (2024) Building-Electrical	Cement and Mortar Mixers	12	1.00	9	0.56
Plots 9 and 1,3,20 (2024) Building-Electrical	Excavators	10	10.00	40	0.38
Plots 9 and 1,3,20 (2024) Building-Electrical	Forklifts	4	10.00	89	0.20
Plots 9 and 1,3,20 (2024) Building-Electrical	Other Material Handling Equipment	6	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Building-Electrical	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plots 9 and 1,3,20 (2024) Building-Landscaping	Excavators	2	10.00	29	0.38
Plots 9 and 1,3,20 (2024) Building-Landscaping	Forklifts	2	10.00	125	0.20
Plots 9 and 1,3,20 (2024) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Building-Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 9 and 1,3,20 (2024) Building-Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 9 and 1,3,20 (2024) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 9 and 1,3,20 (2024) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plots 9 and 1,3,20 (2024) Building-Landscaping	Trenchers	2	10.00	39	0.50
Plots 9 and 1,3,20 (2024) Landscaping	Excavators	2	10.00	29	0.38

Plots 9 and 1,3,20 (2024) Landscaping	Forklifts	2	10.00	125	0.20
Plots 9 and 1,3,20 (2024) Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Landscaping	Other Material Handling Equipment	10	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 9 and 1,3,20 (2024) Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 9 and 1,3,20 (2024) Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 9 and 1,3,20 (2024) Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plots 9 and 1,3,20 (2024) Landscaping	Trenchers	2	10.00	39	0.50
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	Other Material Handling Equipment	6	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	Paving Equipment	2	10.00	99	0.36
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	Paving Equipment	2	10.00	131	0.36
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	2	10.00	55	0.37
Plots 9 and 1,3,20 (2024) Temporary Utilities	Cranes	2	10.00	445	0.29
Plots 9 and 1,3,20 (2024) Interchange	Bore/Drill Rigs	1	10.00	206	0.50
Plots 9 and 1,3,20 (2024) Interchange	Cement and Mortar Mixers	4	1.00	9	0.56
Plots 9 and 1,3,20 (2024) Interchange	Cranes	1	10.00	226	0.29
Plots 9 and 1,3,20 (2024) Interchange	Excavators	1	10.00	190	0.38
Plots 9 and 1,3,20 (2024) Interchange	Graders	1	10.00	259	0.41
Plots 9 and 1,3,20 (2024) Interchange	Other General Industrial Equipment	1	10.00	88	0.34
Plots 9 and 1,3,20 (2024) Interchange	Other Material Handling Equipment	4	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Interchange	Rubber Tired Dozers	1	10.00	410	0.40
Plots 9 and 1,3,20 (2024) Interchange	Rubber Tired Dozers	1	10.00	140	0.40
Plots 9 and 1,3,20 (2024) Interchange	Rubber Tired Loaders	1	10.00	180	0.36
Plots 9 and 1,3,20 (2024) Interchange	Scrapers	1	10.00	330	0.48
Plots 9 and 1,3,20 (2024) Interchange	Tractors/Loaders/Backhoes	1	10.00	98	0.37
Plots 9 and 1,3,20 (2024) Interchange	Tractors/Loaders/Backhoes	1	10.00	90	0.37
Plots 9 and 1,3,20 (2024) Finish Grading	Other Material Handling Equipment	2	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Finish Grading	Other Material Handling Equipment	2	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plots 9 and 1,3,20 (2024) Finish Grading	Rubber Tired Dozers	4	10.00	85	0.40
Plots 9 and 1,3,20 (2024) Finish Grading	Tractors/Loaders/Backhoes	2	10.00	85	0.37

Plots 9 and 1,3,20 (2024) Paving	Other Material Handling Equipment	6	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Paving	Pavers	2	10.00	126	0.42
Plots 9 and 1,3,20 (2024) Paving	Paving Equipment	2	10.00	131	0.36
Plots 9 and 1,3,20 (2024) Paving	Plate Compactors	2	10.00	8	0.43
Plots 9 and 1,3,20 (2024) Paving	Rollers	2	10.00	81	0.38
Plots 9 and 1,3,20 (2024) Paving	Scrapers	2	10.00	362	0.48
Plots 9 and 1,3,20 (2024) Paving	Tractors/Loaders/Backhoes	4	10.00	90	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Plots 2 and 4 (2020) Mass Excavation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.9200	0.0000	7.9200	3.4686	0.0000	3.4686	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.8914	70.5691	38.7521	0.0916		2.6506	2.6506		2.4385	2.4385	0.0000	8,051.7538	8,051.7538	2.6041	0.0000	8,116.8563
Total	**5.8914**	**70.5691**	**38.7521**	**0.0916**	**7.9200**	**2.6506**	**10.5705**	**3.4686**	**2.4385**	**5.9071**	**0.0000**	**8,051.7538**	**8,051.7538**	**2.6041**	**0.0000**	**8,116.8563**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.0888	0.0000	3.0888	1.3528	0.0000	1.3528	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.8914	70.5690	38.7521	0.0916		2.6506	2.6506		2.4385	2.4385	0.0000	8,051.7442	8,051.7442	2.6041	0.0000	8,116.8466
Total	**5.8914**	**70.5690**	**38.7521**	**0.0916**	**3.0888**	**2.6506**	**5.7393**	**1.3528**	**2.4385**	**3.7913**	**0.0000**	**8,051.7442**	**8,051.7442**	**2.6041**	**0.0000**	**8,116.8466**

3.3 Plots 2 and 4 (2020) Finish Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.0134	0.0000	4.0134	2.1756	0.0000	2.1756	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1573	1.5555	1.0791	1.4200e-003		0.0901	0.0901		0.0829	0.0829	0.0000	125.0817	125.0817	0.0405	0.0000	126.0930
Total	**0.1573**	**1.5555**	**1.0791**	**1.4200e-003**	**4.0134**	**0.0901**	**4.1035**	**2.1756**	**0.0829**	**2.2585**	**0.0000**	**125.0817**	**125.0817**	**0.0405**	**0.0000**	**126.0930**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.5652	0.0000	1.5652	0.8485	0.0000	0.8485	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1573	1.5555	1.0791	1.4200e-003		0.0901	0.0901		0.0829	0.0829	0.0000	125.0815	125.0815	0.0405	0.0000	126.0929
Total	**0.1573**	**1.5555**	**1.0791**	**1.4200e-003**	**1.5652**	**0.0901**	**1.6553**	**0.8485**	**0.0829**	**0.9314**	**0.0000**	**125.0815**	**125.0815**	**0.0405**	**0.0000**	**126.0929**

3.4 Plots 2 and 4 (2020) Utilities - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.6603	16.3172	13.5783	0.0375		0.7137	0.7137		0.6568	0.6568	0.0000	3,294.5896	3,294.5896	1.0642	0.0000	3,321.1950
Total	**1.6603**	**16.3172**	**13.5783**	**0.0375**		**0.7137**	**0.7137**		**0.6568**	**0.6568**	**0.0000**	**3,294.5896**	**3,294.5896**	**1.0642**	**0.0000**	**3,321.1950**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.6603	16.3172	13.5783	0.0375		0.7137	0.7137		0.6568	0.6568	0.0000	3,294.5857	3,294.5857	1.0642	0.0000	3,321.1911
Total	**1.6603**	**16.3172**	**13.5783**	**0.0375**		**0.7137**	**0.7137**		**0.6568**	**0.6568**	**0.0000**	**3,294.5857**	**3,294.5857**	**1.0642**	**0.0000**	**3,321.1911**

3.5 Plots 2 and 4 (2020) Landscaping - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.4988	4.3429	4.7231	6.6000e-003		0.2514	0.2514		0.2313	0.2313	0.0000	579.8987	579.8987	0.1876	0.0000	584.5875
Total	**0.4988**	**4.3429**	**4.7231**	**6.6000e-003**		**0.2514**	**0.2514**		**0.2313**	**0.2313**	**0.0000**	**579.8987**	**579.8987**	**0.1876**	**0.0000**	**584.5875**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4988	4.3429	4.7231	6.6000e-003		0.2514	0.2514		0.2313	0.2313	0.0000	579.8980	579.8980	0.1876	0.0000	584.5868
Total	**0.4988**	**4.3429**	**4.7231**	**6.6000e-003**		**0.2514**	**0.2514**		**0.2313**	**0.2313**	**0.0000**	**579.8980**	**579.8980**	**0.1876**	**0.0000**	**584.5868**

3.6 Plots 2 and 4 (2020) Building Concrete - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2731	2.4463	2.6311	4.1500e-003		0.1460	0.1460		0.1401	0.1401	0.0000	356.6028	356.6028	0.0641	0.0000	358.2045
Total	**0.2731**	**2.4463**	**2.6311**	**4.1500e-003**		**0.1460**	**0.1460**		**0.1401**	**0.1401**	**0.0000**	**356.6028**	**356.6028**	**0.0641**	**0.0000**	**358.2045**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2731	2.4463	2.6311	4.1500e-003		0.1460	0.1460		0.1401	0.1401	0.0000	356.6024	356.6024	0.0641	0.0000	358.2041
Total	**0.2731**	**2.4463**	**2.6311**	**4.1500e-003**		**0.1460**	**0.1460**		**0.1401**	**0.1401**	**0.0000**	**356.6024**	**356.6024**	**0.0641**	**0.0000**	**358.2041**

3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0400	10.2280	10.2499	0.0182		0.5399	0.5399		0.4967	0.4967	0.0000	1,596.2127	1,596.2127	0.5163	0.0000	1,609.1189
Total	**1.0400**	**10.2280**	**10.2499**	**0.0182**		**0.5399**	**0.5399**		**0.4967**	**0.4967**	**0.0000**	**1,596.2127**	**1,596.2127**	**0.5163**	**0.0000**	**1,609.1189**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0400	10.2280	10.2499	0.0182		0.5399	0.5399		0.4967	0.4967	0.0000	1,596.2108	1,596.2108	0.5163	0.0000	1,609.1170

Total	**1.0400**	**10.2280**	**10.2499**	**0.0182**		**0.5399**	**0.5399**		**0.4967**	**0.4967**	**0.0000**	**1,596.2108**	**1,596.2108**	**0.5163**	**0.0000**	**1,609.1170**

3.8 Plots 2 and 4 (2020) Building-Electrical - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3704	3.2075	3.3966	4.5900e-003		0.2006	0.2006		0.1849	0.1849	0.0000	399.0654	399.0654	0.1264	0.0000	402.2261
Total	**0.3704**	**3.2075**	**3.3966**	**4.5900e-003**		**0.2006**	**0.2006**		**0.1849**	**0.1849**	**0.0000**	**399.0654**	**399.0654**	**0.1264**	**0.0000**	**402.2261**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3704	3.2075	3.3966	4.5900e-003		0.2006	0.2006		0.1849	0.1849	0.0000	399.0649	399.0649	0.1264	0.0000	402.2256
Total	**0.3704**	**3.2075**	**3.3966**	**4.5900e-003**		**0.2006**	**0.2006**		**0.1849**	**0.1849**	**0.0000**	**399.0649**	**399.0649**	**0.1264**	**0.0000**	**402.2256**

3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2390	2.8791	1.9831	3.6400e-003		0.1154	0.1154		0.1062	0.1062	0.0000	319.5541	319.5541	0.1034	0.0000	322.1378
Total	**0.2390**	**2.8791**	**1.9831**	**3.6400e-003**		**0.1154**	**0.1154**		**0.1062**	**0.1062**	**0.0000**	**319.5541**	**319.5541**	**0.1034**	**0.0000**	**322.1378**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2390	2.8791	1.9831	3.6400e-003		0.1154	0.1154		0.1062	0.1062	0.0000	319.5537	319.5537	0.1034	0.0000	322.1374
Total	**0.2390**	**2.8791**	**1.9831**	**3.6400e-003**		**0.1154**	**0.1154**		**0.1062**	**0.1062**	**0.0000**	**319.5537**	**319.5537**	**0.1034**	**0.0000**	**322.1374**

3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4404	3.7951	3.9890	5.4700e-003		0.2240	0.2240		0.2061	0.2061	0.0000	480.7236	480.7236	0.1555	0.0000	484.6105
Total	**0.4404**	**3.7951**	**3.9890**	**5.4700e-003**		**0.2240**	**0.2240**		**0.2061**	**0.2061**	**0.0000**	**480.7236**	**480.7236**	**0.1555**	**0.0000**	**484.6105**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4404	3.7951	3.9890	5.4700e-003		0.2240	0.2240		0.2061	0.2061	0.0000	480.7230	480.7230	0.1555	0.0000	484.6099
Total	**0.4404**	**3.7951**	**3.9890**	**5.4700e-003**		**0.2240**	**0.2240**		**0.2061**	**0.2061**	**0.0000**	**480.7230**	**480.7230**	**0.1555**	**0.0000**	**484.6099**

3.11 Plots 2 and 4 (2020) Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.7102	7.7101	6.6024	0.0112		0.3680	0.3680		0.3388	0.3388	0.0000	979.4250	979.4250	0.3145	0.0000	987.2879
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8721**	**7.7101**	**6.6024**	**0.0112**		**0.3680**	**0.3680**		**0.3388**	**0.3388**	**0.0000**	**979.4250**	**979.4250**	**0.3145**	**0.0000**	**987.2879**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.7102	7.7101	6.6024	0.0112		0.3680	0.3680		0.3388	0.3388	0.0000	979.4238	979.4238	0.3145	0.0000	987.2867
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8721**	**7.7101**	**6.6024**	**0.0112**		**0.3680**	**0.3680**		**0.3388**	**0.3388**	**0.0000**	**979.4238**	**979.4238**	**0.3145**	**0.0000**	**987.2867**

3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1212	1.1635	1.2773	1.9200e-003		0.0671	0.0671		0.0619	0.0619	0.0000	166.7569	166.7569	0.0526	0.0000	168.0723
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2831**	**1.1635**	**1.2773**	**1.9200e-003**		**0.0671**	**0.0671**		**0.0619**	**0.0619**	**0.0000**	**166.7569**	**166.7569**	**0.0526**	**0.0000**	**168.0723**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1212	1.1634	1.2773	1.9200e-003		0.0671	0.0671		0.0619	0.0619	0.0000	166.7567	166.7567	0.0526	0.0000	168.0721
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2831**	**1.1634**	**1.2773**	**1.9200e-003**		**0.0671**	**0.0671**		**0.0619**	**0.0619**	**0.0000**	**166.7567**	**166.7567**	**0.0526**	**0.0000**	**168.0721**

3.13 Plot 4 (2021) Mass Excavation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.9665	0.0000	6.9665	2.9218	0.0000	2.9218	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.3549	85.9999	48.4330	0.1140		3.2684	3.2684		3.0070	3.0070	0.0000	10,011.4970	10,011.4970	3.2379	0.0000	10,092.4450
Total	**7.3549**	**85.9999**	**48.4330**	**0.1140**	**6.9665**	**3.2684**	**10.2349**	**2.9218**	**3.0070**	**5.9287**	**0.0000**	**10,011.4970**	**10,011.4970**	**3.2379**	**0.0000**	**10,092.4450**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7169	0.0000	2.7169	1.1395	0.0000	1.1395	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.3549	85.9998	48.4329	0.1140		3.2684	3.2684		3.0070	3.0070	0.0000	10,011.4851	10,011.4851	3.2379	0.0000	10,092.4330
Total	**7.3549**	**85.9998**	**48.4329**	**0.1140**	**2.7169**	**3.2684**	**5.9854**	**1.1395**	**3.0070**	**4.1464**	**0.0000**	**10,011.4851**	**10,011.4851**	**3.2379**	**0.0000**	**10,092.4330**

3.14 Plot 4 (2021) Finish Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.9983	0.0000	3.9983	2.1674	0.0000	2.1674	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1477	1.4514	1.0659	1.4200e-003		0.0826	0.0826		0.0760	0.0760	0.0000	124.6160	124.6160	0.0403	0.0000	125.6236

Total	**0.1477**	**1.4514**	**1.0659**	**1.4200e-003**	**3.9983**	**0.0826**	**4.0809**	**2.1674**	**0.0760**	**2.2434**	**0.0000**	**124.6160**	**124.6160**	**0.0403**	**0.0000**	**125.6236**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.5594	0.0000	1.5594	0.8453	0.0000	0.8453	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1477	1.4514	1.0659	1.4200e-003		0.0826	0.0826		0.0760	0.0760	0.0000	124.6159	124.6159	0.0403	0.0000	125.6234
Total	**0.1477**	**1.4514**	**1.0659**	**1.4200e-003**	**1.5594**	**0.0826**	**1.6420**	**0.8453**	**0.0760**	**0.9213**	**0.0000**	**124.6159**	**124.6159**	**0.0403**	**0.0000**	**125.6234**

3.15 Plot 4 (2021) Utilities - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.7791	16.5879	15.3130	0.0453		0.6969	0.6969		0.6413	0.6413	0.0000	3,971.5073	3,971.5073	1.2832	0.0000	4,003.5861
Total	**1.7791**	**16.5879**	**15.3130**	**0.0453**		**0.6969**	**0.6969**		**0.6413**	**0.6413**	**0.0000**	**3,971.5073**	**3,971.5073**	**1.2832**	**0.0000**	**4,003.5861**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Off-Road	1.7791	16.5879	15.3130	0.0453		0.6969	0.6969		0.6413	0.6413	0.0000	3,971.5026	3,971.5026	1.2832	0.0000	4,003.5814
Total	**1.7791**	**16.5879**	**15.3130**	**0.0453**		**0.6969**	**0.6969**		**0.6413**	**0.6413**	**0.0000**	**3,971.5026**	**3,971.5026**	**1.2832**	**0.0000**	**4,003.5814**

3.16 Plot 4 (2021) Building-Concrete - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4459	4.1832	4.9151	7.3800e-003		0.2385	0.2385		0.2246	0.2246	0.0000	636.4438	636.4438	0.1513	0.0000	640.2271
Total	**0.4459**	**4.1832**	**4.9151**	**7.3800e-003**		**0.2385**	**0.2385**		**0.2246**	**0.2246**	**0.0000**	**636.4438**	**636.4438**	**0.1513**	**0.0000**	**640.2271**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4459	4.1832	4.9151	7.3800e-003		0.2385	0.2385		0.2246	0.2246	0.0000	636.4430	636.4430	0.1513	0.0000	640.2263
Total	**0.4459**	**4.1832**	**4.9151**	**7.3800e-003**		**0.2385**	**0.2385**		**0.2246**	**0.2246**	**0.0000**	**636.4430**	**636.4430**	**0.1513**	**0.0000**	**640.2263**

3.17 Plot 4 (2021) Building-Wet Utilities - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.9781	9.3473	10.5086	0.0186		0.4839	0.4839		0.4452	0.4452	0.0000	1,632.0252	1,632.0252	0.5278	0.0000	1,645.2209
Total	**0.9781**	**9.3473**	**10.5086**	**0.0186**		**0.4839**	**0.4839**		**0.4452**	**0.4452**	**0.0000**	**1,632.0252**	**1,632.0252**	**0.5278**	**0.0000**	**1,645.2209**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.9781	9.3472	10.5086	0.0186		0.4839	0.4839		0.4452	0.4452	0.0000	1,632.0232	1,632.0232	0.5278	0.0000	1,645.2190
Total	**0.9781**	**9.3472**	**10.5086**	**0.0186**		**0.4839**	**0.4839**		**0.4452**	**0.4452**	**0.0000**	**1,632.0232**	**1,632.0232**	**0.5278**	**0.0000**	**1,645.2190**

3.18 Plot 4 (2021) Building-Electrical - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6597	5.7195	6.5929	8.8400e-003		0.3293	0.3293		0.3033	0.3033	0.0000	772.0587	772.0587	0.2467	0.0000	778.2273

Total	**0.6597**	**5.7195**	**6.5929**	**8.8400e-003**		**0.3293**	**0.3293**		**0.3033**	**0.3033**	**0.0000**	**772.0587**	**772.0587**	**0.2467**	**0.0000**	**778.2273**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6597	5.7195	6.5929	8.8400e-003		0.3293	0.3293		0.3033	0.3033	0.0000	772.0578	772.0578	0.2467	0.0000	778.2264
Total	**0.6597**	**5.7195**	**6.5929**	**8.8400e-003**		**0.3293**	**0.3293**		**0.3033**	**0.3033**	**0.0000**	**772.0578**	**772.0578**	**0.2467**	**0.0000**	**778.2264**

3.19 Plot 4 (2021) Building-Landscaping - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4324	3.7441	4.3657	6.1100e-003		0.2095	0.2095		0.1927	0.1927	0.0000	536.5452	536.5452	0.1735	0.0000	540.8835
Total	**0.4324**	**3.7441**	**4.3657**	**6.1100e-003**		**0.2095**	**0.2095**		**0.1927**	**0.1927**	**0.0000**	**536.5452**	**536.5452**	**0.1735**	**0.0000**	**540.8835**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4324	3.7441	4.3657	6.1100e-003		0.2095	0.2095		0.1927	0.1927	0.0000	536.5446	536.5446	0.1735	0.0000	540.8828
Total	**0.4324**	**3.7441**	**4.3657**	**6.1100e-003**		**0.2095**	**0.2095**		**0.1927**	**0.1927**	**0.0000**	**536.5446**	**536.5446**	**0.1735**	**0.0000**	**540.8828**

3.20 Plot 4 (2021) Landscaping - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4563	3.9600	4.6728	6.5700e-003		0.2204	0.2204		0.2028	0.2028	0.0000	577.7105	577.7105	0.1868	0.0000	582.3816
Total	**0.4563**	**3.9600**	**4.6728**	**6.5700e-003**		**0.2204**	**0.2204**		**0.2028**	**0.2028**	**0.0000**	**577.7105**	**577.7105**	**0.1868**	**0.0000**	**582.3816**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4563	3.9600	4.6728	6.5700e-003		0.2204	0.2204		0.2028	0.2028	0.0000	577.7098	577.7098	0.1868	0.0000	582.3809
Total	**0.4563**	**3.9600**	**4.6728**	**6.5700e-003**		**0.2204**	**0.2204**		**0.2028**	**0.2028**	**0.0000**	**577.7098**	**577.7098**	**0.1868**	**0.0000**	**582.3809**

3.21 Plot 4 (2021) Temporary Utilities - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2193	2.5563	1.8180	3.6200e-003		0.1029	0.1029		0.0946	0.0946	0.0000	318.2653	318.2653	0.1029	0.0000	320.8386
Total	**0.2193**	**2.5563**	**1.8180**	**3.6200e-003**		**0.1029**	**0.1029**		**0.0946**	**0.0946**	**0.0000**	**318.2653**	**318.2653**	**0.1029**	**0.0000**	**320.8386**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2193	2.5563	1.8180	3.6200e-003		0.1029	0.1029		0.0946	0.0946	0.0000	318.2649	318.2649	0.1029	0.0000	320.8382
Total	**0.2193**	**2.5563**	**1.8180**	**3.6200e-003**		**0.1029**	**0.1029**		**0.0946**	**0.0946**	**0.0000**	**318.2649**	**318.2649**	**0.1029**	**0.0000**	**320.8382**

3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.1116	1.0640	1.2708	1.9200e-003		0.0589	0.0589		0.0544	0.0544	0.0000	166.1111	166.1111	0.0524	0.0000	167.4214
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2735**	**1.0640**	**1.2708**	**1.9200e-003**		**0.0589**	**0.0589**		**0.0544**	**0.0544**	**0.0000**	**166.1111**	**166.1111**	**0.0524**	**0.0000**	**167.4214**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1116	1.0640	1.2708	1.9200e-003		0.0589	0.0589		0.0544	0.0544	0.0000	166.1109	166.1109	0.0524	0.0000	167.4212
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2735**	**1.0640**	**1.2708**	**1.9200e-003**		**0.0589**	**0.0589**		**0.0544**	**0.0544**	**0.0000**	**166.1109**	**166.1109**	**0.0524**	**0.0000**	**167.4212**

3.23 Plot 4 (2021) Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6569	7.0174	6.4223	0.0112		0.3275	0.3275		0.3016	0.3016	0.0000	975.9455	975.9455	0.3134	0.0000	983.7805
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8188**	**7.0174**	**6.4223**	**0.0112**		**0.3275**	**0.3275**		**0.3016**	**0.3016**	**0.0000**	**975.9455**	**975.9455**	**0.3134**	**0.0000**	**983.7805**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6569	7.0174	6.4223	0.0112		0.3275	0.3275		0.3016	0.3016	0.0000	975.9444	975.9444	0.3134	0.0000	983.7793
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8188**	**7.0174**	**6.4223**	**0.0112**		**0.3275**	**0.3275**		**0.3016**	**0.3016**	**0.0000**	**975.9444**	**975.9444**	**0.3134**	**0.0000**	**983.7793**

3.24 Plots 4 and 9 (2022) Mass Excavation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					12.4544	0.0000	12.4544	5.2350	0.0000	5.2350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6545	88.1925	50.8485	0.1223		3.3425	3.3425		3.0751	3.0751	0.0000	10,742.1781	10,742.1781	3.4742	0.0000	10,829.0341
Total	**7.6545**	**88.1925**	**50.8485**	**0.1223**	**12.4544**	**3.3425**	**15.7969**	**5.2350**	**3.0751**	**8.3101**	**0.0000**	**10,742.1781**	**10,742.1781**	**3.4742**	**0.0000**	**10,829.0341**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.8572	0.0000	4.8572	2.0417	0.0000	2.0417	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6545	88.1924	50.8484	0.1223		3.3425	3.3425		3.0751	3.0751	0.0000	10,742.1653	10,742.1653	3.4742	0.0000	10,829.0212

Total	**7.6545**	**88.1924**	**50.8484**	**0.1223**	**4.8572**	**3.3425**	**8.1997**	**2.0417**	**3.0751**	**5.1167**	**0.0000**	**10,742.1653**	**10,742.1653**	**3.4742**	**0.0000**	**10,829.0212**

3.25 Plots 4 and 9 (2022) Finish Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.0094	0.0000	6.0094	3.2424	0.0000	3.2424	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4769	4.7492	4.3789	6.3500e-003		0.2561	0.2561		0.2356	0.2356	0.0000	558.3932	558.3932	0.1806	0.0000	562.9081
Total	**0.4769**	**4.7492**	**4.3789**	**6.3500e-003**	**6.0094**	**0.2561**	**6.2655**	**3.2424**	**0.2356**	**3.4780**	**0.0000**	**558.3932**	**558.3932**	**0.1806**	**0.0000**	**562.9081**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3437	0.0000	2.3437	1.2645	0.0000	1.2645	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4769	4.7492	4.3789	6.3500e-003		0.2561	0.2561		0.2356	0.2356	0.0000	558.3926	558.3926	0.1806	0.0000	562.9074
Total	**0.4769**	**4.7492**	**4.3789**	**6.3500e-003**	**2.3437**	**0.2561**	**2.5997**	**1.2645**	**0.2356**	**1.5001**	**0.0000**	**558.3926**	**558.3926**	**0.1806**	**0.0000**	**562.9074**

3.26 Plots 4 and 9 (2022) Utilities - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Off-Road	1.5796	13.6776	14.9871	0.0451		0.5651	0.5651		0.5200	0.5200	0.0000	3,957.2001	3,957.2001	1.2785	0.0000	3,989.1633
Total	**1.5796**	**13.6776**	**14.9871**	**0.0451**		**0.5651**	**0.5651**		**0.5200**	**0.5200**	**0.0000**	**3,957.2001**	**3,957.2001**	**1.2785**	**0.0000**	**3,989.1633**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.5796	13.6776	14.9871	0.0451		0.5651	0.5651		0.5200	0.5200	0.0000	3,957.1954	3,957.1954	1.2785	0.0000	3,989.1586
Total	**1.5796**	**13.6776**	**14.9871**	**0.0451**		**0.5651**	**0.5651**		**0.5200**	**0.5200**	**0.0000**	**3,957.1954**	**3,957.1954**	**1.2785**	**0.0000**	**3,989.1586**

3.27 Plots 4 and 9 (2022) Building-Concrete - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4000	3.7433	4.8591	7.3600e-003		0.1974	0.1974		0.1862	0.1862	0.0000	634.4685	634.4685	0.1503	0.0000	638.2249
Total	**0.4000**	**3.7433**	**4.8591**	**7.3600e-003**		**0.1974**	**0.1974**		**0.1862**	**0.1862**	**0.0000**	**634.4685**	**634.4685**	**0.1503**	**0.0000**	**638.2249**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4000	3.7433	4.8591	7.3600e-003		0.1974	0.1974		0.1862	0.1862	0.0000	634.4677	634.4677	0.1503	0.0000	638.2241
Total	**0.4000**	**3.7433**	**4.8591**	**7.3600e-003**		**0.1974**	**0.1974**		**0.1862**	**0.1862**	**0.0000**	**634.4677**	**634.4677**	**0.1503**	**0.0000**	**638.2241**

3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.8284	7.5391	10.0008	0.0180		0.3768	0.3768		0.3467	0.3467	0.0000	1,584.1659	1,584.1659	0.5124	0.0000	1,596.9747
Total	**0.8284**	**7.5391**	**10.0008**	**0.0180**		**0.3768**	**0.3768**		**0.3467**	**0.3467**	**0.0000**	**1,584.1659**	**1,584.1659**	**0.5124**	**0.0000**	**1,596.9747**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.8284	7.5391	10.0008	0.0180		0.3768	0.3768		0.3467	0.3467	0.0000	1,584.1640	1,584.1640	0.5124	0.0000	1,596.9728

Total	**0.8284**	**7.5391**	**10.0008**	**0.0180**		**0.3768**	**0.3768**		**0.3467**	**0.3467**	**0.0000**	**1,584.1640**	**1,584.1640**	**0.5124**	**0.0000**	**1,596.9728**

3.29 Plots 4 and 9 (2022) Building-Electrical - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5735	5.1494	6.4409	8.8100e-003		0.2668	0.2668		0.2458	0.2458	0.0000	769.5916	769.5916	0.2460	0.0000	775.7405
Total	**0.5735**	**5.1494**	**6.4409**	**8.8100e-003**		**0.2668**	**0.2668**		**0.2458**	**0.2458**	**0.0000**	**769.5916**	**769.5916**	**0.2460**	**0.0000**	**775.7405**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5735	5.1493	6.4408	8.8100e-003		0.2668	0.2668		0.2458	0.2458	0.0000	769.5907	769.5907	0.2460	0.0000	775.7396
Total	**0.5735**	**5.1493**	**6.4408**	**8.8100e-003**		**0.2668**	**0.2668**		**0.2458**	**0.2458**	**0.0000**	**769.5907**	**769.5907**	**0.2460**	**0.0000**	**775.7396**

3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3826	3.2986	4.3457	6.1800e-003		0.1748	0.1748		0.1609	0.1609	0.0000	542.8691	542.8691	0.1756	0.0000	547.2585
Total	**0.3826**	**3.2986**	**4.3457**	**6.1800e-003**		**0.1748**	**0.1748**		**0.1609**	**0.1609**	**0.0000**	**542.8691**	**542.8691**	**0.1756**	**0.0000**	**547.2585**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3826	3.2986	4.3457	6.1800e-003		0.1748	0.1748		0.1609	0.1609	0.0000	542.8685	542.8685	0.1756	0.0000	547.2579
Total	**0.3826**	**3.2986**	**4.3457**	**6.1800e-003**		**0.1748**	**0.1748**		**0.1609**	**0.1609**	**0.0000**	**542.8685**	**542.8685**	**0.1756**	**0.0000**	**547.2579**

3.31 Plots 4 and 9 (2022) Landscaping - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3998	3.4437	4.5889	6.5500e-003		0.1827	0.1827		0.1681	0.1681	0.0000	575.6752	575.6752	0.1862	0.0000	580.3298
Total	**0.3998**	**3.4437**	**4.5889**	**6.5500e-003**		**0.1827**	**0.1827**		**0.1681**	**0.1681**	**0.0000**	**575.6752**	**575.6752**	**0.1862**	**0.0000**	**580.3298**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3998	3.4437	4.5889	6.5500e-003		0.1827	0.1827		0.1681	0.1681	0.0000	575.6745	575.6745	0.1862	0.0000	580.3291
Total	**0.3998**	**3.4437**	**4.5889**	**6.5500e-003**		**0.1827**	**0.1827**		**0.1681**	**0.1681**	**0.0000**	**575.6745**	**575.6745**	**0.1862**	**0.0000**	**580.3291**

3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1930	2.1405	1.6363	3.6100e-003		0.0868	0.0868		0.0798	0.0798	0.0000	316.8615	316.8615	0.1025	0.0000	319.4235
Total	**0.1930**	**2.1405**	**1.6363**	**3.6100e-003**		**0.0868**	**0.0868**		**0.0798**	**0.0798**	**0.0000**	**316.8615**	**316.8615**	**0.1025**	**0.0000**	**319.4235**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.1930	2.1405	1.6363	3.6100e-003		0.0868	0.0868		0.0798	0.0798	0.0000	316.8612	316.8612	0.1025	0.0000	319.4232
Total	**0.1930**	**2.1405**	**1.6363**	**3.6100e-003**		**0.0868**	**0.0868**		**0.0798**	**0.0798**	**0.0000**	**316.8612**	**316.8612**	**0.1025**	**0.0000**	**319.4232**

3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0990	0.9339	1.2577	1.9100e-003		0.0492	0.0492		0.0454	0.0454	0.0000	165.5259	165.5259	0.0522	0.0000	166.8316
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2609**	**0.9339**	**1.2577**	**1.9100e-003**		**0.0492**	**0.0492**		**0.0454**	**0.0454**	**0.0000**	**165.5259**	**165.5259**	**0.0522**	**0.0000**	**166.8316**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0990	0.9339	1.2577	1.9100e-003		0.0492	0.0492		0.0454	0.0454	0.0000	165.5257	165.5257	0.0522	0.0000	166.8314
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2609**	**0.9339**	**1.2577**	**1.9100e-003**		**0.0492**	**0.0492**		**0.0454**	**0.0454**	**0.0000**	**165.5257**	**165.5257**	**0.0522**	**0.0000**	**166.8314**

3.34 Plots 4 and 9 (2022) Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5783	5.9664	6.1686	0.0111		0.2727	0.2727		0.2512	0.2512	0.0000	973.1490	973.1490	0.3125	0.0000	980.9616
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.7402**	**5.9664**	**6.1686**	**0.0111**		**0.2727**	**0.2727**		**0.2512**	**0.2512**	**0.0000**	**973.1490**	**973.1490**	**0.3125**	**0.0000**	**980.9616**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5783	5.9664	6.1686	0.0111		0.2727	0.2727		0.2512	0.2512	0.0000	973.1479	973.1479	0.3125	0.0000	980.9604
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.7402**	**5.9664**	**6.1686**	**0.0111**		**0.2727**	**0.2727**		**0.2512**	**0.2512**	**0.0000**	**973.1479**	**973.1479**	**0.3125**	**0.0000**	**980.9604**

3.35 Plot 9 (2023) Mass Excavation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					15.0253	0.0000	15.0253	5.9449	0.0000	5.9449	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8258	76.0022	46.6912	0.1132		2.9127	2.9127		2.6797	2.6797	0.0000	9,943.8552	9,943.8552	3.2160	0.0000	10,024.2563

Total	**6.8258**	**76.0022**	**46.6912**	**0.1132**	**15.0253**	**2.9127**	**17.9380**	**5.9449**	**2.6797**	**8.6246**	**0.0000**	**9,943.8552**	**9,943.8552**	**3.2160**	**0.0000**	**10,024.2563**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.8599	0.0000	5.8599	2.3185	0.0000	2.3185	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8258	76.0022	46.6911	0.1132		2.9127	2.9127		2.6797	2.6797	0.0000	9,943.8433	9,943.8433	3.2160	0.0000	10,024.2443
Total	**6.8258**	**76.0022**	**46.6911**	**0.1132**	**5.8599**	**2.9127**	**8.7726**	**2.3185**	**2.6797**	**4.9982**	**0.0000**	**9,943.8433**	**9,943.8433**	**3.2160**	**0.0000**	**10,024.2443**

3.36 Plot 9 (2023) Finish Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.0783	0.0000	6.0783	3.2498	0.0000	3.2498	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2485	2.3885	2.0873	2.8300e-003		0.1303	0.1303		0.1199	0.1199	0.0000	248.7215	248.7215	0.0804	0.0000	250.7325
Total	**0.2485**	**2.3885**	**2.0873**	**2.8300e-003**	**6.0783**	**0.1303**	**6.2087**	**3.2498**	**0.1199**	**3.3697**	**0.0000**	**248.7215**	**248.7215**	**0.0804**	**0.0000**	**250.7325**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Fugitive Dust					2.3706	0.0000	2.3706	1.2674	0.0000	1.2674	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2485	2.3885	2.0873	2.8300e-003		0.1303	0.1303		0.1199	0.1199	0.0000	248.7212	248.7212	0.0804	0.0000	250.7322
Total	**0.2485**	**2.3885**	**2.0873**	**2.8300e-003**	**2.3706**	**0.1303**	**2.5009**	**1.2674**	**0.1199**	**1.3873**	**0.0000**	**248.7212**	**248.7212**	**0.0804**	**0.0000**	**250.7322**

3.37 Plot 9 (2023) Utilities - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.4948	12.2330	14.8889	0.0451		0.4932	0.4932		0.4539	0.4539	0.0000	3,958.0013	3,958.0013	1.2788	0.0000	3,989.9710
Total	**1.4948**	**12.2330**	**14.8889**	**0.0451**		**0.4932**	**0.4932**		**0.4539**	**0.4539**	**0.0000**	**3,958.0013**	**3,958.0013**	**1.2788**	**0.0000**	**3,989.9710**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.4948	12.2330	14.8889	0.0451		0.4932	0.4932		0.4539	0.4539	0.0000	3,957.9966	3,957.9966	1.2788	0.0000	3,989.9663
Total	**1.4948**	**12.2330**	**14.8889**	**0.0451**		**0.4932**	**0.4932**		**0.4539**	**0.4539**	**0.0000**	**3,957.9966**	**3,957.9966**	**1.2788**	**0.0000**	**3,989.9663**

3.38 Plot 9 (2023) Building-Concrete - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3717	3.4573	4.8467	7.3700e-003		0.1688	0.1688		0.1593	0.1593	0.0000	634.9302	634.9302	0.1494	0.0000	638.6661
Total	**0.3717**	**3.4573**	**4.8467**	**7.3700e-003**		**0.1688**	**0.1688**		**0.1593**	**0.1593**	**0.0000**	**634.9302**	**634.9302**	**0.1494**	**0.0000**	**638.6661**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3717	3.4573	4.8467	7.3700e-003		0.1688	0.1688		0.1593	0.1593	0.0000	634.9294	634.9294	0.1494	0.0000	638.6653
Total	**0.3717**	**3.4573**	**4.8467**	**7.3700e-003**		**0.1688**	**0.1688**		**0.1593**	**0.1593**	**0.0000**	**634.9294**	**634.9294**	**0.1494**	**0.0000**	**638.6653**

3.39 Plot 9 (2023) Building-Wet Utilities - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.7684	6.7223	9.9722	0.0181		0.3255	0.3255		0.2994	0.2994	0.0000	1,584.6405	1,584.6405	0.5125	0.0000	1,597.4531

Total	**0.7684**	**6.7223**	**9.9722**	**0.0181**		**0.3255**	**0.3255**		**0.2994**	**0.2994**	**0.0000**	**1,584.6405**	**1,584.6405**	**0.5125**	**0.0000**	**1,597.4531**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.7684	6.7223	9.9722	0.0181		0.3255	0.3255		0.2994	0.2994	0.0000	1,584.6386	1,584.6386	0.5125	0.0000	1,597.4512
Total	**0.7684**	**6.7223**	**9.9722**	**0.0181**		**0.3255**	**0.3255**		**0.2994**	**0.2994**	**0.0000**	**1,584.6386**	**1,584.6386**	**0.5125**	**0.0000**	**1,597.4512**

3.40 Plot 9 (2023) Building-Electrical - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5331	4.8156	6.4072	8.8200e-003		0.2288	0.2288		0.2108	0.2108	0.0000	770.0461	770.0461	0.2461	0.0000	776.1987
Total	**0.5331**	**4.8156**	**6.4072**	**8.8200e-003**		**0.2288**	**0.2288**		**0.2108**	**0.2108**	**0.0000**	**770.0461**	**770.0461**	**0.2461**	**0.0000**	**776.1987**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5331	4.8156	6.4072	8.8200e-003		0.2288	0.2288		0.2108	0.2108	0.0000	770.0452	770.0452	0.2461	0.0000	776.1978
Total	**0.5331**	**4.8156**	**6.4072**	**8.8200e-003**		**0.2288**	**0.2288**		**0.2108**	**0.2108**	**0.0000**	**770.0452**	**770.0452**	**0.2461**	**0.0000**	**776.1978**

3.41 Plot 9 (2023) Building-Landscaping - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3501	2.9935	4.3086	6.1800e-003		0.1485	0.1485		0.1366	0.1366	0.0000	542.9853	542.9853	0.1756	0.0000	547.3756
Total	**0.3501**	**2.9935**	**4.3086**	**6.1800e-003**		**0.1485**	**0.1485**		**0.1366**	**0.1366**	**0.0000**	**542.9853**	**542.9853**	**0.1756**	**0.0000**	**547.3756**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3501	2.9935	4.3086	6.1800e-003		0.1485	0.1485		0.1366	0.1366	0.0000	542.9846	542.9846	0.1756	0.0000	547.3749
Total	**0.3501**	**2.9935**	**4.3086**	**6.1800e-003**		**0.1485**	**0.1485**		**0.1366**	**0.1366**	**0.0000**	**542.9846**	**542.9846**	**0.1756**	**0.0000**	**547.3749**

3.42 Plot 9 (2023) Interchange - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.7645	7.4554	5.9762	0.0129		0.3276	0.3276		0.3015	0.3015	0.0000	1,131.0631	1,131.0631	0.3652	0.0000	1,140.1920
Total	**0.7645**	**7.4554**	**5.9762**	**0.0129**		**0.3276**	**0.3276**		**0.3015**	**0.3015**	**0.0000**	**1,131.0631**	**1,131.0631**	**0.3652**	**0.0000**	**1,140.1920**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.7645	7.4554	5.9762	0.0129		0.3276	0.3276		0.3015	0.3015	0.0000	1,131.0618	1,131.0618	0.3652	0.0000	1,140.1906
Total	**0.7645**	**7.4554**	**5.9762**	**0.0129**		**0.3276**	**0.3276**		**0.3015**	**0.3015**	**0.0000**	**1,131.0618**	**1,131.0618**	**0.3652**	**0.0000**	**1,140.1906**

3.43 Plot 9 (2023) Landscaping - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.3667	3.1290	4.5514	6.5500e-003		0.1559	0.1559		0.1434	0.1434	0.0000	575.7913	575.7913	0.1862	0.0000	580.4468
Total	**0.3667**	**3.1290**	**4.5514**	**6.5500e-003**		**0.1559**	**0.1559**		**0.1434**	**0.1434**	**0.0000**	**575.7913**	**575.7913**	**0.1862**	**0.0000**	**580.4468**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3667	3.1290	4.5514	6.5500e-003		0.1559	0.1559		0.1434	0.1434	0.0000	575.7906	575.7906	0.1862	0.0000	580.4462
Total	**0.3667**	**3.1290**	**4.5514**	**6.5500e-003**		**0.1559**	**0.1559**		**0.1434**	**0.1434**	**0.0000**	**575.7906**	**575.7906**	**0.1862**	**0.0000**	**580.4462**

3.44 Plot 9 (2023) Temporary Utilities - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1748	1.8571	1.4868	3.6100e-003		0.0751	0.0751		0.0691	0.0691	0.0000	316.9376	316.9376	0.1025	0.0000	319.5002
Total	**0.1748**	**1.8571**	**1.4868**	**3.6100e-003**		**0.0751**	**0.0751**		**0.0691**	**0.0691**	**0.0000**	**316.9376**	**316.9376**	**0.1025**	**0.0000**	**319.5002**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1748	1.8571	1.4868	3.6100e-003		0.0751	0.0751		0.0691	0.0691	0.0000	316.9372	316.9372	0.1025	0.0000	319.4998
Total	**0.1748**	**1.8571**	**1.4868**	**3.6100e-003**		**0.0751**	**0.0751**		**0.0691**	**0.0691**	**0.0000**	**316.9372**	**316.9372**	**0.1025**	**0.0000**	**319.4998**

3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1025	0.9409	1.3801	2.1000e-003		0.0480	0.0480		0.0443	0.0443	0.0000	181.9550	181.9550	0.0575	0.0000	183.3935
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2644**	**0.9409**	**1.3801**	**2.1000e-003**		**0.0480**	**0.0480**		**0.0443**	**0.0443**	**0.0000**	**181.9550**	**181.9550**	**0.0575**	**0.0000**	**183.3935**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1025	0.9409	1.3801	2.1000e-003		0.0480	0.0480		0.0443	0.0443	0.0000	181.9548	181.9548	0.0575	0.0000	183.3933
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	**0.2644**	**0.9409**	**1.3801**	**2.1000e-003**		**0.0480**	**0.0480**		**0.0443**	**0.0443**	**0.0000**	**181.9548**	**181.9548**	**0.0575**	**0.0000**	**183.3933**

3.46 Plot 9 (2023) Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5476	5.5064	6.0880	0.0111		0.2462	0.2462		0.2268	0.2268	0.0000	973.2748	973.2748	0.3125	0.0000	981.0884
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.7095**	**5.5064**	**6.0880**	**0.0111**		**0.2462**	**0.2462**		**0.2268**	**0.2268**	**0.0000**	**973.2748**	**973.2748**	**0.3125**	**0.0000**	**981.0884**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5476	5.5064	6.0880	0.0111		0.2462	0.2462		0.2268	0.2268	0.0000	973.2737	973.2737	0.3125	0.0000	981.0873
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.7095**	**5.5064**	**6.0880**	**0.0111**		**0.2462**	**0.2462**		**0.2268**	**0.2268**	**0.0000**	**973.2737**	**973.2737**	**0.3125**	**0.0000**	**981.0873**

3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Fugitive Dust					9.3198	0.0000	9.3198	3.6198	0.0000	3.6198	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1373	54.3840	35.5671	0.0963		2.0816	2.0816		1.9151	1.9151	0.0000	8,459.7353	8,459.7353	2.7361	0.0000	8,528.1365
Total	**5.1373**	**54.3840**	**35.5671**	**0.0963**	**9.3198**	**2.0816**	**11.4015**	**3.6198**	**1.9151**	**5.5348**	**0.0000**	**8,459.7353**	**8,459.7353**	**2.7361**	**0.0000**	**8,528.1365**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.6347	0.0000	3.6347	1.4117	0.0000	1.4117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1373	54.3839	35.5671	0.0963		2.0816	2.0816		1.9151	1.9151	0.0000	8,459.7252	8,459.7252	2.7361	0.0000	8,528.1264
Total	**5.1373**	**54.3839**	**35.5671**	**0.0963**	**3.6347**	**2.0816**	**5.7164**	**1.4117**	**1.9151**	**3.3268**	**0.0000**	**8,459.7252**	**8,459.7252**	**2.7361**	**0.0000**	**8,528.1264**

3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.0685	0.0000	5.0685	2.7251	0.0000	2.7251	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1435	1.3531	1.4849	2.0600e-003		0.0711	0.0711		0.0654	0.0654	0.0000	181.0968	181.0968	0.0586	0.0000	182.5611
Total	**0.1435**	**1.3531**	**1.4849**	**2.0600e-003**	**5.0685**	**0.0711**	**5.1395**	**2.7251**	**0.0654**	**2.7905**	**0.0000**	**181.0968**	**181.0968**	**0.0586**	**0.0000**	**182.5611**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.9767	0.0000	1.9767	1.0628	0.0000	1.0628	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1435	1.3531	1.4849	2.0600e-003		0.0711	0.0711		0.0654	0.0654	0.0000	181.0966	181.0966	0.0586	0.0000	182.5609
Total	**0.1435**	**1.3531**	**1.4849**	**2.0600e-003**	**1.9767**	**0.0711**	**2.0477**	**1.0628**	**0.0654**	**1.1282**	**0.0000**	**181.0966**	**181.0966**	**0.0586**	**0.0000**	**182.5609**

3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.4713	11.6239	15.1405	0.0456		0.4559	0.4559		0.4196	0.4196	0.0000	4,004.8487	4,004.8487	1.2939	0.0000	4,037.1970
Total	**1.4713**	**11.6239**	**15.1405**	**0.0456**		**0.4559**	**0.4559**		**0.4196**	**0.4196**	**0.0000**	**4,004.8487**	**4,004.8487**	**1.2939**	**0.0000**	**4,037.1970**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.4713	11.6239	15.1405	0.0456		0.4559	0.4559		0.4196	0.4196	0.0000	4,004.8440	4,004.8440	1.2939	0.0000	4,037.1922

Total	**1.4713**	**11.6239**	**15.1405**	**0.0456**		**0.4559**	**0.4559**		**0.4196**	**0.4196**	**0.0000**	**4,004.8440**	**4,004.8440**	**1.2939**	**0.0000**	**4,037.1922**

3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3558	3.2889	4.8891	7.4300e-003		0.1498	0.1498		0.1415	0.1415	0.0000	640.0764	640.0764	0.1504	0.0000	643.8351
Total	**0.3558**	**3.2889**	**4.8891**	**7.4300e-003**		**0.1498**	**0.1498**		**0.1415**	**0.1415**	**0.0000**	**640.0764**	**640.0764**	**0.1504**	**0.0000**	**643.8351**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3558	3.2889	4.8891	7.4300e-003		0.1498	0.1498		0.1415	0.1415	0.0000	640.0757	640.0757	0.1504	0.0000	643.8343
Total	**0.3558**	**3.2889**	**4.8891**	**7.4300e-003**		**0.1498**	**0.1498**		**0.1415**	**0.1415**	**0.0000**	**640.0757**	**640.0757**	**0.1504**	**0.0000**	**643.8343**

3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.7325	6.1616	10.0601	0.0182		0.2893	0.2893		0.2662	0.2662	0.0000	1,596.8837	1,596.8837	0.5165	0.0000	1,609.7953
Total	**0.7325**	**6.1616**	**10.0601**	**0.0182**		**0.2893**	**0.2893**		**0.2662**	**0.2662**	**0.0000**	**1,596.8837**	**1,596.8837**	**0.5165**	**0.0000**	**1,609.7953**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.7325	6.1616	10.0601	0.0182		0.2893	0.2893		0.2662	0.2662	0.0000	1,596.8818	1,596.8818	0.5165	0.0000	1,609.7934
Total	**0.7325**	**6.1616**	**10.0601**	**0.0182**		**0.2893**	**0.2893**		**0.2662**	**0.2662**	**0.0000**	**1,596.8818**	**1,596.8818**	**0.5165**	**0.0000**	**1,609.7934**

3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4989	4.5811	6.4177	8.8300e-003		0.1999	0.1999		0.1841	0.1841	0.0000	771.9484	771.9484	0.2477	0.0000	778.1405
Total	**0.4989**	**4.5811**	**6.4177**	**8.8300e-003**		**0.1999**	**0.1999**		**0.1841**	**0.1841**	**0.0000**	**771.9484**	**771.9484**	**0.2477**	**0.0000**	**778.1405**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4989	4.5811	6.4177	8.8300e-003		0.1999	0.1999		0.1841	0.1841	0.0000	771.9475	771.9475	0.2477	0.0000	778.1396
Total	**0.4989**	**4.5811**	**6.4177**	**8.8300e-003**		**0.1999**	**0.1999**		**0.1841**	**0.1841**	**0.0000**	**771.9475**	**771.9475**	**0.2477**	**0.0000**	**778.1396**

3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3299	2.7861	4.3337	6.2300e-003		0.1314	0.1314		0.1209	0.1209	0.0000	547.2146	547.2146	0.1770	0.0000	551.6391
Total	**0.3299**	**2.7861**	**4.3337**	**6.2300e-003**		**0.1314**	**0.1314**		**0.1209**	**0.1209**	**0.0000**	**547.2146**	**547.2146**	**0.1770**	**0.0000**	**551.6391**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.3299	2.7861	4.3336	6.2300e-003		0.1314	0.1314		0.1209	0.1209	0.0000	547.2139	547.2139	0.1770	0.0000	551.6384
Total	**0.3299**	**2.7861**	**4.3336**	**6.2300e-003**		**0.1314**	**0.1314**		**0.1209**	**0.1209**	**0.0000**	**547.2139**	**547.2139**	**0.1770**	**0.0000**	**551.6384**

3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.7266	6.8637	5.8595	0.0130		0.2987	0.2987		0.2749	0.2749	0.0000	1,139.6863	1,139.6863	0.3679	0.0000	1,148.8847
Total	**0.7266**	**6.8637**	**5.8595**	**0.0130**		**0.2987**	**0.2987**		**0.2749**	**0.2749**	**0.0000**	**1,139.6863**	**1,139.6863**	**0.3679**	**0.0000**	**1,148.8847**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.7266	6.8636	5.8595	0.0130		0.2987	0.2987		0.2749	0.2749	0.0000	1,139.6849	1,139.6849	0.3679	0.0000	1,148.8834
Total	**0.7266**	**6.8636**	**5.8595**	**0.0130**		**0.2987**	**0.2987**		**0.2749**	**0.2749**	**0.0000**	**1,139.6849**	**1,139.6849**	**0.3679**	**0.0000**	**1,148.8834**

3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3460	2.9126	4.5791	6.6100e-003		0.1382	0.1382		0.1271	0.1271	0.0000	580.2729	580.2729	0.1877	0.0000	584.9647
Total	**0.3460**	**2.9126**	**4.5791**	**6.6100e-003**		**0.1382**	**0.1382**		**0.1271**	**0.1271**	**0.0000**	**580.2729**	**580.2729**	**0.1877**	**0.0000**	**584.9647**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3460	2.9126	4.5791	6.6100e-003		0.1382	0.1382		0.1271	0.1271	0.0000	580.2722	580.2722	0.1877	0.0000	584.9640
Total	**0.3460**	**2.9126**	**4.5791**	**6.6100e-003**		**0.1382**	**0.1382**		**0.1271**	**0.1271**	**0.0000**	**580.2722**	**580.2722**	**0.1877**	**0.0000**	**584.9640**

3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1718	1.7762	1.4406	3.6300e-003		0.0718	0.0718		0.0661	0.0661	0.0000	319.2217	319.2217	0.1032	0.0000	321.8027

Total	**0.1718**	**1.7762**	**1.4406**	**3.6300e-003**		**0.0718**	**0.0718**		**0.0661**	**0.0661**	**0.0000**	**319.2217**	**319.2217**	**0.1032**	**0.0000**	**321.8027**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1718	1.7762	1.4406	3.6300e-003		0.0718	0.0718		0.0661	0.0661	0.0000	319.2213	319.2213	0.1032	0.0000	321.8024
Total	**0.1718**	**1.7762**	**1.4406**	**3.6300e-003**		**0.0718**	**0.0718**		**0.0661**	**0.0661**	**0.0000**	**319.2213**	**319.2213**	**0.1032**	**0.0000**	**321.8024**

3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches -

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1661	1.5434	2.3801	3.5700e-003		0.0758	0.0758		0.0699	0.0699	0.0000	311.1029	311.1029	0.0993	0.0000	313.5854
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.3280**	**1.5434**	**2.3801**	**3.5700e-003**		**0.0758**	**0.0758**		**0.0699**	**0.0699**	**0.0000**	**311.1029**	**311.1029**	**0.0993**	**0.0000**	**313.5854**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1661	1.5434	2.3801	3.5700e-003		0.0758	0.0758		0.0699	0.0699	0.0000	311.1026	311.1026	0.0993	0.0000	313.5850
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.3280**	**1.5434**	**2.3801**	**3.5700e-003**		**0.0758**	**0.0758**		**0.0699**	**0.0699**	**0.0000**	**311.1026**	**311.1026**	**0.0993**	**0.0000**	**313.5850**

3.58 Plots 9 and 1,3,20 (2024) Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5304	5.1828	6.0904	0.0112		0.2281	0.2281		0.2101	0.2101	0.0000	980.5595	980.5595	0.3149	0.0000	988.4316
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.6923**	**5.1828**	**6.0904**	**0.0112**		**0.2281**	**0.2281**		**0.2101**	**0.2101**	**0.0000**	**980.5595**	**980.5595**	**0.3149**	**0.0000**	**988.4316**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5304	5.1828	6.0904	0.0112		0.2281	0.2281		0.2101	0.2101	0.0000	980.5584	980.5584	0.3149	0.0000	988.4304
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.6923**	**5.1828**	**6.0904**	**0.0112**		**0.2281**	**0.2281**		**0.2101**	**0.2101**	**0.0000**	**980.5584**	**980.5584**	**0.3149**	**0.0000**	**988.4304**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Total					

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	31,129.4424	31,129.4424	1.2852	0.2659	31,240.8089
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	31,129.4424	31,129.4424	1.2852	0.2659	31,240.8089

NaturalGas Mitigated	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	4,398.1384	4,398.1384	0.0843	0.0806	4,424.2743
NaturalGas Unmitigated	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	4,398.1384	4,398.1384	0.0843	0.0806	4,424.2743

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	8.2418e+007	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	4,398.1384	4,398.1384	0.0843	0.0806	4,424.2743
Total		**0.4444**	**4.0401**	**3.3937**	**0.0242**		**0.3071**	**0.3071**		**0.3071**	**0.3071**	**0.0000**	**4,398.1384**	**4,398.1384**	**0.0843**	**0.0806**	**4,424.2743**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	8.2418e+007	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	4,398.1384	4,398.1384	0.0843	0.0806	4,424.2743
Total		**0.4444**	**4.0401**	**3.3937**	**0.0242**		**0.3071**	**0.3071**		**0.3071**	**0.3071**	**0.0000**	**4,398.1384**	**4,398.1384**	**0.0843**	**0.0806**	**4,424.2743**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	1.88441e+006	600.4120	0.0248	5.1300e-003	602.5600
Unrefrigerated Warehouse-No	9.5816e+007	30,529.0304	1.2604	0.2608	30,638.2489
Total		**31,129.4424**	**1.2852**	**0.2659**	**31,240.8089**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	1.88441e+006	600.4120	0.0248	5.1300e-003	602.5600
Unrefrigerated Warehouse-No	9.5816e+007	30,529.0304	1.2604	0.2608	30,638.2489
Total		**31,129.4424**	**1.2852**	**0.2659**	**31,240.8089**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	165.9964	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758

Unmitigated	165.9964	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	18.8930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	147.0561					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0473	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758
Total	**165.9963**	**4.6400e-003**	**0.5164**	**4.0000e-005**		**1.8300e-003**	**1.8300e-003**		**1.8300e-003**	**1.8300e-003**	**0.0000**	**1.0107**	**1.0107**	**2.6000e-003**	**0.0000**	**1.0758**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	18.8930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	147.0561					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0473	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758
Total	**165.9963**	**4.6400e-003**	**0.5164**	**4.0000e-005**		**1.8300e-003**	**1.8300e-003**		**1.8300e-003**	**1.8300e-003**	**0.0000**	**1.0107**	**1.0107**	**2.6000e-003**	**0.0000**	**1.0758**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	41,930.3775	307.5407	7.5564	51,870.7141
Unmitigated	41,930.3775	307.5407	7.5564	51,870.7141

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	9388.75 / 0	41,930.3775	307.5407	7.5564	51,870.7141
Total		**41,930.3775**	**307.5407**	**7.5564**	**51,870.7141**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e

Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	9388.75 / 0	41,930.3775	307.5407	7.5564	51,870.7141
Total		**41,930.3775**	**307.5407**	**7.5564**	**51,870.7141**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	7,746.9471	457.8315	0.0000	19,192.7336
Unmitigated	7,746.9471	457.8315	0.0000	19,192.7336

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	38164	7,746.9471	457.8315	0.0000	19,192.7336

Total		**7,746.9471**	**457.8315**	**0.0000**	**19,192.7336**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	38164	7,746.9471	457.8315	0.0000	19,192.7336
Total		**7,746.9471**	**457.8315**	**0.0000**	**19,192.7336**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Plots 5, 10, 8, 6, 7, and 11

World Logistics Center
Construction Emissions - GHG (Unmitigated)

UNMITIGATED

Year	On-Site Offroad Equipment	Onsite Mobile	Offsite Mobile	Total
	MT/yr			
2025	14,443	90	1,862	16,395
2026	10,425	83	1,903	12,411
2027	9,608	93	1,977	11,678
2028	9,827	97	2,061	11,985
2029	9,366	76	1,996	11,438

ONSITE Mobile Emissions			CO2	CH4	N2O	CO2e
PhaseName	CalEEMod Phase Name		MT/yr			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025		4.94E+00	1.25E-01	7.47E-04	8.30E+00
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025		1.38E+00	2.79E-02	3.12E-04	2.17E+00
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025		1.07E+01	3.48E-01	1.94E-03	2.00E+01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025		1.36E+00	8.34E-02	1.92E-04	3.50E+00
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025		1.06E+01	2.84E-02	3.00E-03	1.22E+01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025		9.85E+00	2.09E-01	3.16E-03	1.60E+01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025		9.94E+00	8.38E-02	3.21E-03	1.30E+01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025		3.41E+00	1.25E-04	1.66E-03	3.90E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025		1.47E+00	9.72E-02	1.98E-04	3.96E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025		2.30E+00	8.35E-02	2.86E-04	4.47E+00
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025		1.43E+00	5.56E-02	1.94E-04	2.88E+00
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026		4.89E+00	1.23E-01	7.63E-04	8.20E+00
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026		1.30E+00	2.74E-02	2.79E-04	2.07E+00
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026		1.13E+01	3.42E-01	2.32E-03	2.06E+01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026		6.18E+00	2.78E-02	9.15E-04	7.15E+00
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026		8.47E+00	2.79E-02	2.05E-03	9.78E+00
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026		8.64E+00	8.24E-02	2.64E-03	1.15E+01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026		2.90E+00	9.58E-02	9.20E-04	5.57E+00
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026		3.00E+00	8.21E-02	1.02E-03	5.36E+00
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026		2.51E+00	9.46E-05	1.25E-03	2.88E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026		3.49E+00	5.48E-02	1.23E-03	5.23E+00
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026		2.24E+00	8.22E-02	2.78E-04	4.38E+00
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027		7.46E+00	1.62E-01	1.67E-03	1.20E+01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027		1.34E+00	6.06E-02	2.32E-04	2.92E+00
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027		8.01E+00	1.95E-01	2.14E-03	1.35E+01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027		6.41E+00	1.15E-01	9.05E-04	9.55E+00
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027		4.95E+00	2.02E-01	8.44E-04	1.02E+01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027		5.82E+00	8.09E-02	1.83E-03	8.39E+00
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027		5.16E+00	6.08E-02	1.26E-03	7.05E+00
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027		5.28E+00	2.09E-01	7.77E-04	1.07E+01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027		4.93E+00	1.91E-04	2.49E-03	5.68E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027		3.00E+00	6.74E-02	4.37E-04	4.81E+00
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027		5.83E+00	8.09E-02	2.29E-03	8.54E+00
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028		6.63E+00	1.98E-01	9.00E-04	1.18E+01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028		4.66E+00	9.24E-02	1.84E-03	7.52E+00
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028		1.33E+00	5.28E-02	1.81E-04	2.71E+00
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028		8.33E+00	1.98E-01	1.77E-03	1.38E+01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028		6.65E+00	1.98E-01	1.76E-03	1.21E+01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028		3.70E+00	7.92E-02	1.33E-03	6.08E+00
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028		9.67E+00	2.69E-02	2.80E-03	1.12E+01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028		1.41E+00	5.63E-05	7.26E-04	1.63E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028		1.06E+01	3.30E-01	2.14E-03	1.95E+01
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028		2.42E+00	9.65E-05	1.24E-03	2.79E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028		5.43E+00	7.94E-02	1.14E-03	7.76E+00
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029		3.23E+00	7.82E-02	1.20E-03	5.54E+00
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029		5.08E+00	1.50E-01	6.59E-04	9.03E+00
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029		5.04E+00	1.89E-01	7.21E-04	9.98E+00
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029		5.04E+00	1.89E-01	7.21E-04	9.98E+00
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029		6.14E+00	1.11E-01	8.66E-04	9.18E+00
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029		4.35E+00	1.95E-01	6.10E-04	9.42E+00
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029		2.95E+00	7.83E-02	4.22E-04	5.03E+00
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029		3.56E+00	5.88E-02	5.14E-04	5.19E+00
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029		1.60E+00	2.61E-02	2.19E-04	2.32E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029		4.99E+00	2.02E-01	7.12E-04	1.03E+01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029		0.00E+00	0.00E+00	0.00E+00	0.00E+00
		2025	5.74E+01	1.14E+00	1.49E-02	9.03E+01
		2026	5.50E+01	9.46E-01	1.37E-02	8.27E+01
		2027	5.82E+01	1.23E+00	1.49E-02	9.34E+01
		2028	6.08E+01	1.25E+00	1.58E-02	9.69E+01
		2029	4.20E+01	1.28E+00	6.64E-03	7.59E+01

Worker Running Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission Factor (g/mile)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	10	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	25	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	15	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	10	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	25	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	10	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	50	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	15	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	40	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	25	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	25	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	15	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	10	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	10	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	10	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	25	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	50	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	12.5	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	25	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	37.5	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	25	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	15	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	17.5	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	25	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	17.5	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	50	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	10	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	10	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	50	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	25	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	15	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	25	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	40	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	15	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	50	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	37.5	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	25	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	15	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	17.5	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	12.5	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	25	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	0.5	6.60E-04	2.58E-03	4.03E-02	1.46E-04	1.04E+01	8.99E-05	1.04E+01	1.04E+00	8.28E-05	1.04E+00	1.48E+01	1.64E-04	2.69E-04
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	0.5	1.98E-04	7.74E-04	1.21E-02	4.39E-05	3.12E+00	2.70E-05	3.12E+00	3.12E-01	2.48E-05	3.12E-01	4.44E+00	4.93E-05	8.08E-05
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	0.5	5.28E-04	2.06E-03	3.22E-02	1.17E-04	8.33E+00	7.19E-05	8.33E+00	8.31E-01	6.62E-05	8.31E-01	1.18E+01	1.32E-04	2.15E-04
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	10	0.5	1.32E-04	5.16E-04	8.06E-03	2.93E-05	2.08E+00	1.80E-05	2.08E+00	2.08E-01	1.66E-05	2.08E-01	2.96E+00	3.29E-05	5.38E-05
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	0.5	3.30E-04	1.29E-03	2.02E-02	7.32E-05	5.20E+00	4.50E-05	5.20E+00	5.19E-01	4.14E-05	5.19E-01	7.40E+00	8.22E-05	1.35E-04
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	25	0.5	3.30E-04	1.29E-03	2.02E-02	7.32E-05	5.20E+00	4.50E-05	5.20E+00	5.19E-01	4.14E-05	5.19E-01	7.40E+00	8.22E-05	1.35E-04
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	15	0.5	1.98E-04	7.74E-04	1.21E-02	4.39E-05	3.12E+00	2.70E-05	3.12E+00	3.12E-01	2.48E-05	3.12E-01	4.44E+00	4.93E-05	8.08E-05
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	10	0.5	1.32E-04	5.16E-04	8.06E-03	2.93E-05	2.08E+00	1.80E-05	2.08E+00	2.08E-01	1.66E-05	2.08E-01	2.96E+00	3.29E-05	5.38E-05
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	25	0.5	3.30E-04	1.29E-03	2.02E-02	7.32E-05	5.20E+00	4.50E-05	5.20E+00	5.19E-01	4.14E-05	5.19E-01	7.40E+00	8.22E-05	1.35E-04
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	10	0.5	1.32E-04	5.16E-04	8.06E-03	2.93E-05	2.08E+00	1.80E-05	2.08E+00	2.08E-01	1.66E-05	2.08E-01	2.96E+00	3.29E-05	5.38E-05
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	50	0.5	5.82E-04	2.32E-03	3.77E-02	1.42E-04	1.04E+01	8.52E-05	1.04E+01	1.04E+00	7.84E-05	1.04E+00	1.43E+01	1.47E-04	2.53E-04
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	15	0.5	1.75E-04	6.97E-04	1.13E-02	4.26E-05	3.12E+00	2.56E-05	3.12E+00	3.12E-01	2.35E-05	3.12E-01	4.30E+00	4.41E-05	7.58E-05
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	40	0.5	4.66E-04	1.86E-03	3.02E-02	1.13E-04	8.33E+00	6.82E-05	8.33E+00	8.31E-01	6.27E-05	8.31E-01	1.15E+01	1.17E-04	2.02E-04
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	25	0.5	2.91E-04	1.16E-03	1.88E-02	7.09E-05	5.20E+00	4.26E-05	5.20E+00	5.19E-01	3.92E-05	5.19E-01	7.17E+00	7.34E-05	1.26E-04
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	25	0.5	2.91E-04	1.16E-03	1.88E-02	7.09E-05	5.20E+00	4.26E-05	5.20E+00	5.19E-01	3.92E-05	5.19E-01	7.17E+00	7.34E-05	1.26E-04
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	15	0.5	1.75E-04	6.97E-04	1.13E-02	4.26E-05	3.12E+00	2.56E-05	3.12E+00	3.12E-01	2.35E-05	3.12E-01	4.30E+00	4.41E-05	7.58E-05
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	10	0.5	1.16E-04	4.65E-04	7.54E-03	2.84E-05	2.08E+00	1.70E-05	2.08E+00	2.08E-01	1.57E-05	2.08E-01	2.87E+00	2.94E-05	5.05E-05
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	10	0.5	1.16E-04	4.65E-04	7.54E-03	2.84E-05	2.08E+00	1.70E-05	2.08E+00	2.08E-01	1.57E-05	2.08E-01	2.87E+00	2.94E-05	5.05E-05
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	10	0.5	1.16E-04	4.65E-04	7.54E-03	2.84E-05	2.08E+00	1.70E-05	2.08E+00	2.08E-01	1.57E-05	2.08E-01	2.87E+00	2.94E-05	5.05E-05
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	25	0.5	2.91E-04	1.16E-03	1.88E-02	7.09E-05	5.20E+00	4.26E-05	5.20E+00	5.19E-01	3.92E-05	5.19E-01	7.17E+00	7.34E-05	1.26E-04
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	50	0.5	5.16E-04	2.11E-03	3.55E-02	1.38E-04	1.04E+01	7.99E-05	1.04E+01	1.04E+00	7.35E-05	1.04E+00	1.39E+01	1.32E-04	2.39E-04
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	12.5	0.5	1.29E-04	5.27E-04	8.87E-03	3.45E-05	2.60E+00	2.00E-05	2.60E+00	2.60E-01	1.84E-05	2.60E-01	3.48E+00	3.30E-05	5.97E-05
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	25	0.5	2.58E-04	1.05E-03	1.77E-02	6.89E-05	5.20E+00	4.00E-05	5.20E+00	5.19E-01	3.68E-05	5.19E-01	6.97E+00	6.59E-05	1.19E-04
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	37.5	0.5	3.87E-04	1.58E-03	2.66E-02	1.03E-04	7.81E+00	5.99E-05	7.81E+00	7.79E-01	5.52E-05	7.79E-01	1.05E+01	9.89E-05	1.79E-04
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	25	0.5	2.58E-04	1.05E-03	1.77E-02	6.89E-05	5.20E+00	4.00E-05	5.20E+00	5.19E-01	3.68E-05	5.19E-01	6.97E+00	6.59E-05	1.19E-04
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	15	0.5	1.55E-04	6.32E-04	1.06E-02	4.14E-05	3.12E+00	2.40E-05	3.12E+00	3.12E-01	2.21E-05	3.12E-01	4.18E+00	3.96E-05	7.16E-05
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	17.5	0.5	1.81E-04	7.37E-04	1.24E-02	4.82E-05	3.64E+00	2.80E-05	3.64E+00	3.63E-01	2.57E-05	3.63E-01	4.88E+00	4.62E-05	8.36E-05
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	25	0.5	2.58E-04	1.05E-03	1.77E-02	6.89E-05	5.20E+00	4.00E-05	5.20E+00	5.19E-01	3.68E-05	5.19E-01	6.97E+00	6.59E-05	1.19E-04
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	0.5	1.29E-04	5.27E-04	8.87E-03	3.45E-05	2.60E+00	2.00E-05	2.60E+00	2.60E-01	1.84E-05	2.60E-01	3.48E+00	3.30E-05	5.97E-05
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	17.5	0.5	1.81E-04	7.37E-04	1.24E-02	4.82E-05	3.64E+00	2.80E-05	3.64E+00	3.63E-01	2.57E-05	3.63E-01	4.88E+00	4.62E-05	8.36E-05
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	50	0.5	4.61E-04	1.92E-03	3.36E-02	1.34E-04	1.04E+01	7.44E-05	1.04E+01	1.04E+00	6.84E-05	1.04E+00	1.36E+01	1.19E-04	2.27E-04
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	10	0.5	9.22E-05	3.85E-04	6.73E-03	2.69E-05	2.08E+00	1.49E-05	2.08E+00	2.08E-01	1.37E-05	2.08E-01	2.72E+00	2.39E-05	4.54E-05
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	10	0.5	9.22E-05	3.85E-04	6.73E-03	2.69E-05	2.08E+00	1.49E-05	2.08E+00	2.08E-01	1.37E-05	2.08E-01	2.72E+00	2.39E-05	4.54E-05
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	50	0.5	4.61E-04	1.92E-03	3.36E-02	1.34E-04	1.04E+01	7.44E-05	1.04E+01	1.04E+00	6.84E-05	1.04E+00	1.36E+01	1.19E-04	2.27E-04
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	25	0.5	2.31E-04	9.62E-04	1.68E-02	6.72E-05	5.20E+00	3.72E-05	5.20E+00	5.19E-01	3.42E-05	5.19E-01	6.79E+00	5.97E-05	1.14E-04
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	15	0.5	1.38E-04	5.77E-04	1.01E-02	4.03E-05	3.12E+00	2.23E-05	3.12E+00	3.12E-01	2.05E-05	3.12E-01	4.07E+00	3.58E-05	6.82E-05
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	25	0.5	2.31E-04	9.62E-04	1.68E-02	6.72E-05	5.20E+00	3.72E-05	5.20E+00	5.19E-01	3.42E-05	5.19E-01	6.79E+00	5.97E-05	1.14E-04
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	40	0.5	3.69E-04	1.54E-03	2.69E-02	1.07E-04	8.33E+00	5.95E-05	8.33E+00	8.31E-01	5.48E-05	8.31E-01	1.09E+01	9.55E-05	1.82E-04
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	15	0.5	1.38E-04	5.77E-04	1.01E-02	4.03E-05	3.12E+00	2.23E-05	3.12E+00	3.12E-01	2.05E-05	3.12E-01	4.07E+00	3.58E-05	6.82E-05
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	0.5	8.26E-05	3.53E-04	6.41E-03	2.62E-05	2.08E+00	1.39E-05	2.08E+00	2.08E-01	1.28E-05	2.08E-01	2.65E+00	2.17E-05	4.35E-05
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	50	0.5	4.13E-04	1.77E-03	3.20E-02	1.31E-04	1.04E+01	6.93E-05	1.04E+01	1.04E+00	6.38E-05	1.04E+00	1.33E+01	1.08E-04	2.17E-04
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	0.5	2.06E-04	8.83E-04	1.60E-02	6.56E-05	5.20E+00	3.46E-05	5.20E+00	5.19E-01	3.19E-05	5.19E-01	6.63E+00	5.42E-05	1.09E-04
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	0.5	2.06E-04	8.83E-04	1.60E-02	6.56E-05	5.20E+00	3.46E-05	5.20E+00	5.19E-01	3.19E-05	5.19E-01	6.63E+00	5.42E-05	1.09E-04
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	37.5	0.5	3.10E-04	1.32E-03	2.40E-02	9.84E-05	7.81E+00	5.20E-05	7.81E+00	7.79E-01	4.78E-05	7.79E-01	9.95E+00	8.13E-05	1.63E-04
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	25	0.5	2.06E-04	8.83E-04	1.60E-02	6.56E-05	5.20E+00	3.46E-05	5.20E+00	5.19E-01	3.19E-05	5.19E-01	6.63E+00	5.42E-05	1.09E-04
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	15	0.5	1.24E-04	5.30E-04	9.61E-03	3.94E-05	3.12E+00	2.08E-05	3.12E+00	3.12E-01	1.91E-05	3.12E-01	3.98E+00	3.25E-05	6.52E-05
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	17.5	0.5	1.44E-04	6.18E-04	1.12E-02	4.59E-05	3.64E+00	2.43E-05	3.64E+00	3.63E-01	2.23E-05	3.63E-01	4.64E+00	3.79E-05	7.61E-05
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	12.5	0.5	1.03E-04	4.41E-04	8.01E-03	3.28E-05	2.60E+00	1.73E-05	2.60E+00	2.60E-01	1.59E-05	2.60E-01	3.32E+00	2.71E-05	5.43E-05
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	25	0.5	2.06E-04	8.83E-04	1.60E-02	6.56E-05	5.20E+00	3.46E-05	5.20E+00	5.19E-01	3.19E-05	5.19E-01	6.63E+00	5.42E-05	1.09E-04
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
						MT/yr			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	0.5	261	1.75E+00	1.95E-05	3.19E-05	1.76E+00
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	0.5	261	5.25E-01	5.84E-06	9.56E-06	5.28E-01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	0.5	261	1.40E+00	1.56E-05	2.55E-05	1.41E+00
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	10	0.5	261	3.50E-01	3.89E-06	6.37E-06	3.52E-01
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	0.5	261	8.76E-01	9.73E-06	1.59E-05	8.81E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	25	0.5	261	8.76E-01	9.73E-06	1.59E-05	8.81E-01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	15	0.5	261	5.25E-01	5.84E-06	9.56E-06	5.28E-01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	10	0.5	261	3.50E-01	3.89E-06	6.37E-06	3.52E-01
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	25	0.5	261	8.76E-01	9.73E-06	1.59E-05	8.81E-01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	10	0.5	261	3.50E-01	3.89E-06	6.37E-06	3.52E-01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	50	0.5	261	1.70E+00	1.74E-05	2.99E-05	1.71E+00
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	15	0.5	261	5.09E-01	5.22E-06	8.97E-06	5.12E-01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	40	0.5	261	1.36E+00	1.39E-05	2.39E-05	1.37E+00
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	25	0.5	261	8.49E-01	8.69E-06	1.50E-05	8.53E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	25	0.5	261	8.49E-01	8.69E-06	1.50E-05	8.53E-01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	15	0.5	261	5.09E-01	5.22E-06	8.97E-06	5.12E-01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	10	0.5	261	3.39E-01	3.48E-06	5.98E-06	3.41E-01
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	10	0.5	261	3.39E-01	3.48E-06	5.98E-06	3.41E-01
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	10	0.5	261	3.39E-01	3.48E-06	5.98E-06	3.41E-01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	25	0.5	261	8.49E-01	8.69E-06	1.50E-05	8.53E-01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	50	0.5	261	1.65E+00	1.56E-05	2.83E-05	1.66E+00
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	12.5	0.5	261	4.12E-01	3.90E-06	7.07E-06	4.15E-01
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	25	0.5	261	8.25E-01	7.81E-06	1.41E-05	8.29E-01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	37.5	0.5	261	1.24E+00	1.17E-05	2.12E-05	1.24E+00
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	25	0.5	261	8.25E-01	7.81E-06	1.41E-05	8.29E-01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	15	0.5	261	4.95E-01	4.68E-06	8.48E-06	4.98E-01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	17.5	0.5	261	5.77E-01	5.46E-06	9.89E-06	5.80E-01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	25	0.5	261	8.25E-01	7.81E-06	1.41E-05	8.29E-01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	0.5	261	4.12E-01	3.90E-06	7.07E-06	4.15E-01
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	17.5	0.5	261	5.77E-01	5.46E-06	9.89E-06	5.80E-01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	50	0.5	260	1.60E+00	1.41E-05	2.68E-05	1.61E+00
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	10	0.5	260	3.20E-01	2.82E-06	5.36E-06	3.22E-01
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	10	0.5	260	3.20E-01	2.82E-06	5.36E-06	3.22E-01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	50	0.5	260	1.60E+00	1.41E-05	2.68E-05	1.61E+00
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	25	0.5	260	8.01E-01	7.04E-06	1.34E-05	8.05E-01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	15	0.5	260	4.80E-01	4.22E-06	8.04E-06	4.83E-01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	25	0.5	260	8.01E-01	7.04E-06	1.34E-05	8.05E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	40	0.5	260	1.28E+00	1.13E-05	2.14E-05	1.29E+00
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	15	0.5	260	4.80E-01	4.22E-06	8.04E-06	4.83E-01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	0.5	261	3.14E-01	2.57E-06	5.15E-06	3.16E-01
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	50	0.5	261	1.57E+00	1.28E-05	2.57E-05	1.58E+00
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	0.5	261	7.85E-01	6.42E-06	1.29E-05	7.89E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	0.5	261	7.85E-01	6.42E-06	1.29E-05	7.89E-01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	37.5	0.5	261	1.18E+00	9.62E-06	1.93E-05	1.18E+00
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	25	0.5	261	7.85E-01	6.42E-06	1.29E-05	7.89E-01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	15	0.5	261	4.71E-01	3.85E-06	7.72E-06	4.73E-01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	17.5	0.5	261	5.49E-01	4.49E-06	9.00E-06	5.52E-01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	12.5	0.5	261	3.92E-01	3.21E-06	6.43E-06	3.94E-01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	25	0.5	261	7.85E-01	6.42E-06	1.29E-05	7.89E-01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Worker Starting/Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission Factor (g/trip)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	10	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	25	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	15	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	10	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	25	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	10	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	50	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	15	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	40	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	25	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	25	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	15	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	10	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	10	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	10	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	25	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	50	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	12.5	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	25	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	37.5	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	25	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	15	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	17.5	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	25	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	17.5	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	50	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	10	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	10	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	50	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	25	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	15	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	25	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	40	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	15	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	50	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	37.5	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	25	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	15	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	17.5	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	12.5	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	25	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (ln/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	0.5	4.23E-02	9.85E-03	1.12E-01	2.94E-05	0.00E+00	9.74E-05	9.74E-05	0.00E+00	8.95E-05	8.95E-05	2.97E+00	2.55E-03	1.31E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	0.5	1.27E-02	2.95E-03	3.35E-02	8.83E-06	0.00E+00	2.92E-05	2.92E-05	0.00E+00	2.69E-05	2.69E-05	8.92E-01	7.65E-04	3.93E-04
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	0.5	3.38E-02	7.88E-03	8.94E-02	2.35E-05	0.00E+00	7.79E-05	7.79E-05	0.00E+00	7.16E-05	7.16E-05	2.38E+00	2.04E-03	1.05E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	10	0.5	8.46E-03	1.97E-03	2.23E-02	5.88E-06	0.00E+00	1.95E-05	1.95E-05	0.00E+00	1.79E-05	1.79E-05	5.95E-01	5.10E-04	2.62E-04
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	0.5	2.12E-02	4.92E-03	5.59E-02	1.47E-05	0.00E+00	4.87E-05	4.87E-05	0.00E+00	4.48E-05	4.48E-05	1.49E+00	1.27E-03	6.55E-04
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	25	0.5	2.12E-02	4.92E-03	5.59E-02	1.47E-05	0.00E+00	4.87E-05	4.87E-05	0.00E+00	4.48E-05	4.48E-05	1.49E+00	1.27E-03	6.55E-04
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	15	0.5	1.27E-02	2.95E-03	3.35E-02	8.83E-06	0.00E+00	2.92E-05	2.92E-05	0.00E+00	2.69E-05	2.69E-05	8.92E-01	7.65E-04	3.93E-04
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	10	0.5	8.46E-03	1.97E-03	2.23E-02	5.88E-06	0.00E+00	1.95E-05	1.95E-05	0.00E+00	1.79E-05	1.79E-05	5.95E-01	5.10E-04	2.62E-04
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	25	0.5	2.12E-02	4.92E-03	5.59E-02	1.47E-05	0.00E+00	4.87E-05	4.87E-05	0.00E+00	4.48E-05	4.48E-05	1.49E+00	1.27E-03	6.55E-04
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	10	0.5	8.46E-03	1.97E-03	2.23E-02	5.88E-06	0.00E+00	1.95E-05	1.95E-05	0.00E+00	1.79E-05	1.79E-05	5.95E-01	5.10E-04	2.62E-04
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	50	0.5	3.98E-02	9.22E-03	1.07E-01	2.85E-05	0.00E+00	9.31E-05	9.31E-05	0.00E+00	8.56E-05	8.56E-05	2.88E+00	2.36E-03	1.25E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	15	0.5	1.19E-02	2.77E-03	3.22E-02	8.55E-06	0.00E+00	2.79E-05	2.79E-05	0.00E+00	2.57E-05	2.57E-05	8.64E-01	7.07E-04	3.76E-04
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	40	0.5	3.18E-02	7.38E-03	8.59E-02	2.28E-05	0.00E+00	7.45E-05	7.45E-05	0.00E+00	6.85E-05	6.85E-05	2.30E+00	1.89E-03	1.00E-03
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	25	0.5	1.99E-02	4.61E-03	5.37E-02	1.42E-05	0.00E+00	4.66E-05	4.66E-05	0.00E+00	4.28E-05	4.28E-05	1.44E+00	1.18E-03	6.27E-04
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	25	0.5	1.99E-02	4.61E-03	5.37E-02	1.42E-05	0.00E+00	4.66E-05	4.66E-05	0.00E+00	4.28E-05	4.28E-05	1.44E+00	1.18E-03	6.27E-04
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	15	0.5	1.19E-02	2.77E-03	3.22E-02	8.55E-06	0.00E+00	2.79E-05	2.79E-05	0.00E+00	2.57E-05	2.57E-05	8.64E-01	7.07E-04	3.76E-04
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	10	0.5	7.96E-03	1.84E-03	2.15E-02	5.70E-06	0.00E+00	1.86E-05	1.86E-05	0.00E+00	1.71E-05	1.71E-05	5.76E-01	4.72E-04	2.51E-04
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	10	0.5	7.96E-03	1.84E-03	2.15E-02	5.70E-06	0.00E+00	1.86E-05	1.86E-05	0.00E+00	1.71E-05	1.71E-05	5.76E-01	4.72E-04	2.51E-04
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	10	0.5	7.96E-03	1.84E-03	2.15E-02	5.70E-06	0.00E+00	1.86E-05	1.86E-05	0.00E+00	1.71E-05	1.71E-05	5.76E-01	4.72E-04	2.51E-04
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	25	0.5	1.99E-02	4.61E-03	5.37E-02	1.42E-05	0.00E+00	4.66E-05	4.66E-05	0.00E+00	4.28E-05	4.28E-05	1.44E+00	1.18E-03	6.27E-04
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	50	0.5	3.75E-02	8.70E-03	1.04E-01	2.77E-05	0.00E+00	8.84E-05	8.84E-05	0.00E+00	8.13E-05	8.13E-05	2.80E+00	2.19E-03	1.21E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	12.5	0.5	9.38E-03	2.17E-03	2.59E-02	6.92E-06	0.00E+00	2.21E-05	2.21E-05	0.00E+00	2.03E-05	2.03E-05	6.99E-01	5.48E-04	3.02E-04
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	25	0.5	1.88E-02	4.35E-03	5.18E-02	1.38E-05	0.00E+00	4.42E-05	4.42E-05	0.00E+00	4.06E-05	4.06E-05	1.40E+00	1.10E-03	6.03E-04
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	37.5	0.5	2.81E-02	6.52E-03	7.77E-02	2.07E-05	0.00E+00	6.63E-05	6.63E-05	0.00E+00	6.10E-05	6.10E-05	2.10E+00	1.64E-03	9.05E-04
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	25	0.5	1.88E-02	4.35E-03	5.18E-02	1.38E-05	0.00E+00	4.42E-05	4.42E-05	0.00E+00	4.06E-05	4.06E-05	1.40E+00	1.10E-03	6.03E-04
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	15	0.5	1.13E-02	2.61E-03	3.11E-02	8.30E-06	0.00E+00	2.65E-05	2.65E-05	0.00E+00	2.44E-05	2.44E-05	8.39E-01	6.57E-04	3.62E-04
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	17.5	0.5	1.31E-02	3.04E-03	3.63E-02	9.68E-06	0.00E+00	3.09E-05	3.09E-05	0.00E+00	2.84E-05	2.84E-05	9.78E-01	7.67E-04	4.22E-04
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	25	0.5	1.88E-02	4.35E-03	5.18E-02	1.38E-05	0.00E+00	4.42E-05	4.42E-05	0.00E+00	4.06E-05	4.06E-05	1.40E+00	1.10E-03	6.03E-04
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	0.5	9.38E-03	2.17E-03	2.59E-02	6.92E-06	0.00E+00	2.21E-05	2.21E-05	0.00E+00	2.03E-05	2.03E-05	6.99E-01	5.48E-04	3.02E-04
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	17.5	0.5	1.31E-02	3.04E-03	3.63E-02	9.68E-06	0.00E+00	3.09E-05	3.09E-05	0.00E+00	2.84E-05	2.84E-05	9.78E-01	7.67E-04	4.22E-04
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	50	0.5	3.54E-02	8.25E-03	1.00E-01	2.69E-05	0.00E+00	8.33E-05	8.33E-05	0.00E+00	7.66E-05	7.66E-05	2.72E+00	2.04E-03	1.17E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	10	0.5	7.09E-03	1.65E-03	2.01E-02	5.38E-06	0.00E+00	1.67E-05	1.67E-05	0.00E+00	1.53E-05	1.53E-05	5.44E-01	4.09E-04	2.33E-04
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	10	0.5	7.09E-03	1.65E-03	2.01E-02	5.38E-06	0.00E+00	1.67E-05	1.67E-05	0.00E+00	1.53E-05	1.53E-05	5.44E-01	4.09E-04	2.33E-04
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	50	0.5	3.54E-02	8.25E-03	1.00E-01	2.69E-05	0.00E+00	8.33E-05	8.33E-05	0.00E+00	7.66E-05	7.66E-05	2.72E+00	2.04E-03	1.17E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	25	0.5	1.77E-02	4.12E-03	5.02E-02	1.35E-05	0.00E+00	4.16E-05	4.16E-05	0.00E+00	3.83E-05	3.83E-05	1.36E+00	1.02E-03	5.83E-04
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	15	0.5	1.06E-02	2.47E-03	3.01E-02	8.07E-06	0.00E+00	2.50E-05	2.50E-05	0.00E+00	2.30E-05	2.30E-05	8.16E-01	6.13E-04	3.50E-04
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	25	0.5	1.77E-02	4.12E-03	5.02E-02	1.35E-05	0.00E+00	4.16E-05	4.16E-05	0.00E+00	3.83E-05	3.83E-05	1.36E+00	1.02E-03	5.83E-04
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	40	0.5	2.83E-02	6.60E-03	8.03E-02	2.15E-05	0.00E+00	6.66E-05	6.66E-05	0.00E+00	6.13E-05	6.13E-05	2.18E+00	1.64E-03	9.33E-04
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	15	0.5	1.06E-02	2.47E-03	3.01E-02	8.07E-06	0.00E+00	2.50E-05	2.50E-05	0.00E+00	2.30E-05	2.30E-05	8.16E-01	6.13E-04	3.50E-04
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	0.5	6.68E-03	1.57E-03	1.95E-02	5.25E-06	0.00E+00	1.57E-05	1.57E-05	0.00E+00	1.44E-05	1.44E-05	5.30E-01	3.83E-04	2.26E-04
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	50	0.5	3.34E-02	7.86E-03	9.73E-02	2.62E-05	0.00E+00	7.84E-05	7.84E-05	0.00E+00	7.21E-05	7.21E-05	2.65E+00	1.91E-03	1.13E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	0.5	1.67E-02	3.93E-03	4.87E-02	1.31E-05	0.00E+00	3.92E-05	3.92E-05	0.00E+00	3.60E-05	3.60E-05	1.33E+00	9.57E-04	5.66E-04
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	0.5	1.67E-02	3.93E-03	4.87E-02	1.31E-05	0.00E+00	3.92E-05	3.92E-05	0.00E+00	3.60E-05	3.60E-05	1.33E+00	9.57E-04	5.66E-04
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	37.5	0.5	2.50E-02	5.90E-03	7.30E-02	1.97E-05	0.00E+00	5.88E-05	5.88E-05	0.00E+00	5.41E-05	5.41E-05	1.99E+00	1.44E-03	8.49E-04
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	25	0.5	1.67E-02	3.93E-03	4.87E-02	1.31E-05	0.00E+00	3.92E-05	3.92E-05	0.00E+00	3.60E-05	3.60E-05	1.33E+00	9.57E-04	5.66E-04
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	15	0.5	1.00E-02	2.36E-03	2.92E-02	7.87E-06	0.00E+00	2.35E-05	2.35E-05	0.00E+00	2.16E-05	2.16E-05	7.95E-01	5.74E-04	3.40E-04
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	17.5	0.5	1.17E-02	2.75E-03	3.41E-02	9.18E-06	0.00E+00	2.74E-05	2.74E-05	0.00E+00	2.52E-05	2.52E-05	9.28E-01	6.70E-04	3.96E-04
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	12.5	0.5	8.35E-03	1.97E-03	2.43E-02	6.56E-06	0.00E+00	1.96E-05	1.96E-05	0.00E+00	1.80E-05	1.80E-05	6.63E-01	4.79E-04	2.83E-04
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	25	0.5	1.67E-02	3.93E-03	4.87E-02	1.31E-05	0.00E+00	3.92E-05	3.92E-05	0.00E+00	3.60E-05	3.60E-05	1.33E+00	9.57E-04	5.66E-04
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (ln/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
						MT/yr			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	0.5	261	3.52E-01	3.02E-04	1.55E-04	4.06E-01
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	0.5	261	1.06E-01	9.06E-05	4.65E-05	1.22E-01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	0.5	261	2.82E-01	2.41E-04	1.24E-04	3.25E-01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	10	0.5	261	7.04E-02	6.04E-05	3.10E-05	8.12E-02
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	0.5	261	1.76E-01	1.51E-04	7.76E-05	2.03E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	25	0.5	261	1.76E-01	1.51E-04	7.76E-05	2.03E-01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	15	0.5	261	1.06E-01	9.06E-05	4.65E-05	1.22E-01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	10	0.5	261	7.04E-02	6.04E-05	3.10E-05	8.12E-02
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	25	0.5	261	1.76E-01	1.51E-04	7.76E-05	2.03E-01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	10	0.5	261	7.04E-02	6.04E-05	3.10E-05	8.12E-02
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	50	0.5	261	3.41E-01	2.79E-04	1.48E-04	3.92E-01
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	15	0.5	261	1.02E-01	8.37E-05	4.45E-05	1.18E-01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	40	0.5	261	2.73E-01	2.23E-04	1.19E-04	3.14E-01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	25	0.5	261	1.70E-01	1.40E-04	7.42E-05	1.96E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	25	0.5	261	1.70E-01	1.40E-04	7.42E-05	1.96E-01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	15	0.5	261	1.02E-01	8.37E-05	4.45E-05	1.18E-01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	10	0.5	261	6.82E-02	5.58E-05	2.97E-05	7.84E-02
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	10	0.5	261	6.82E-02	5.58E-05	2.97E-05	7.84E-02
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	10	0.5	261	6.82E-02	5.58E-05	2.97E-05	7.84E-02
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	25	0.5	261	1.70E-01	1.40E-04	7.42E-05	1.96E-01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	50	0.5	261	3.31E-01	2.59E-04	1.43E-04	3.80E-01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	12.5	0.5	261	8.27E-02	6.49E-05	3.57E-05	9.50E-02
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	25	0.5	261	1.65E-01	1.30E-04	7.14E-05	1.90E-01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	37.5	0.5	261	2.48E-01	1.95E-04	1.07E-04	2.85E-01
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	25	0.5	261	1.65E-01	1.30E-04	7.14E-05	1.90E-01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	15	0.5	261	9.93E-02	7.78E-05	4.28E-05	1.14E-01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	17.5	0.5	261	1.16E-01	9.08E-05	5.00E-05	1.33E-01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	25	0.5	261	1.65E-01	1.30E-04	7.14E-05	1.90E-01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	0.5	261	8.27E-02	6.49E-05	3.57E-05	9.50E-02
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	17.5	0.5	261	1.16E-01	9.08E-05	5.00E-05	1.33E-01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	50	0.5	260	3.21E-01	2.41E-04	1.38E-04	3.68E-01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	10	0.5	260	6.42E-02	4.82E-05	2.75E-05	7.36E-02
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	10	0.5	260	6.42E-02	4.82E-05	2.75E-05	7.36E-02
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	50	0.5	260	3.21E-01	2.41E-04	1.38E-04	3.68E-01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	25	0.5	260	1.60E-01	1.21E-04	6.88E-05	1.84E-01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	15	0.5	260	9.62E-02	7.23E-05	4.13E-05	1.10E-01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	25	0.5	260	1.60E-01	1.21E-04	6.88E-05	1.84E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	40	0.5	260	2.57E-01	1.93E-04	1.10E-04	2.94E-01
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	15	0.5	260	9.62E-02	7.23E-05	4.13E-05	1.10E-01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	0.5	261	6.28E-02	4.53E-05	2.68E-05	7.19E-02
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	50	0.5	261	3.14E-01	2.27E-04	1.34E-04	3.60E-01
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	0.5	261	1.57E-01	1.13E-04	6.70E-05	1.80E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	0.5	261	1.57E-01	1.13E-04	6.70E-05	1.80E-01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	37.5	0.5	261	2.35E-01	1.70E-04	1.01E-04	2.70E-01
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	25	0.5	261	1.57E-01	1.13E-04	6.70E-05	1.80E-01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	15	0.5	261	9.42E-02	6.80E-05	4.02E-05	1.08E-01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	17.5	0.5	261	1.10E-01	7.93E-05	4.69E-05	1.26E-01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	12.5	0.5	261	7.85E-02	5.66E-05	3.35E-05	8.99E-02
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	25	0.5	261	1.57E-01	1.13E-04	6.70E-05	1.80E-01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Vendor Running Emission Factors ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/mile)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	9	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	2	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	6	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	2	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	6	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	7	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	6	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	4	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	25	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	2	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	6	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	6	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	6	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	12	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	4.5	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	14.5	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	8.5	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	15	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	6	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	4.5	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	15.5	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	5	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	6	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	15	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	7	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	4	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	15	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	15	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	6	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	2	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	25	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	6	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	6	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	11.5	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	14.5	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	14.5	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	8.5	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	6	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	4.5	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	2	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	15.5	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	9	0.5	15	1.71E-04	1.73E-02	3.08E-03	1.05E-04	1.87E+00	1.20E-03	1.88E+00	1.87E-01	1.29E-04	1.87E-01	1.14E+01	3.95E-04	1.63E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	2	0.5	15	3.79E-05	3.84E-03	6.85E-04	2.34E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.86E-05	4.16E-02	2.52E+00	8.77E-05	3.63E-04
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	0.5	15	4.74E-04	4.80E-02	8.56E-03	2.92E-04	5.21E+00	3.32E-03	5.21E+00	5.20E-01	3.58E-04	5.20E-01	3.15E+01	1.10E-03	4.54E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	6	0.5	15	1.14E-04	1.15E-02	2.06E-03	7.02E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.59E-05	1.25E-01	7.57E+00	2.63E-04	1.09E-03
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	2	0.5	15	3.79E-05	3.84E-03	6.85E-04	2.34E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.86E-05	4.16E-02	2.52E+00	8.77E-05	3.63E-04
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	0.5	15	2.84E-04	2.88E-02	5.14E-03	1.75E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.15E-04	3.12E-01	1.89E+01	6.58E-04	2.72E-03
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	6	0.5	15	1.14E-04	1.15E-02	2.06E-03	7.02E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.59E-05	1.25E-01	7.57E+00	2.63E-04	1.09E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	7	0.5	15	1.33E-04	1.34E-02	2.40E-03	8.19E-05	1.46E+00	9.30E-04	1.46E+00	1.46E-01	1.00E-04	1.46E-01	8.83E+00	3.07E-04	1.27E-03
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	6	0.5	15	1.14E-04	1.15E-02	2.06E-03	7.02E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.59E-05	1.25E-01	7.57E+00	2.63E-04	1.09E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	4	0.5	15	7.58E-05	7.68E-03	1.37E-03	4.68E-05	8.33E-01	5.31E-04	8.33E-01	8.32E-02	5.73E-05	8.33E-02	5.05E+00	1.75E-04	7.27E-04
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9	0.5	15	1.65E-04	1.71E-02	3.03E-03	1.03E-04	1.87E+00	1.20E-03	1.88E+00	1.87E-01	1.29E-04	1.87E-01	1.11E+01	3.96E-04	1.61E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2	0.5	15	3.67E-05	3.81E-03	6.73E-04	2.29E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.86E-05	4.16E-02	2.48E+00	8.80E-05	3.57E-04
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	25	0.5	15	4.58E-04	4.76E-02	8.41E-03	2.87E-04	5.21E+00	3.32E-03	5.21E+00	5.20E-01	3.57E-04	5.20E-01	3.10E+01	1.10E-03	4.46E-03
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2	0.5	15	3.67E-05	3.81E-03	6.73E-04	2.29E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.86E-05	4.16E-02	2.48E+00	8.80E-05	3.57E-04
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	2	0.5	15	3.67E-05	3.81E-03	6.73E-04	2.29E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.86E-05	4.16E-02	2.48E+00	8.80E-05	3.57E-04
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	6	0.5	15	1.10E-04	1.14E-02	2.02E-03	6.88E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.57E-05	1.25E-01	7.43E+00	2.64E-04	1.07E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7	0.5	15	1.28E-04	1.33E-02	2.36E-03	8.03E-05	1.46E+00	9.30E-04	1.46E+00	1.46E-01	1.00E-04	1.46E-01	8.67E+00	3.08E-04	1.25E-03
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	6	0.5	15	1.10E-04	1.14E-02	2.02E-03	6.88E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.57E-05	1.25E-01	7.43E+00	2.64E-04	1.07E-03
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4	0.5	15	7.33E-05	7.62E-03	1.35E-03	4.59E-05	8.33E-01	5.31E-04	8.33E-01	8.32E-02	5.72E-05	8.33E-02	4.95E+00	1.76E-04	7.14E-04
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	6	0.5	15	1.10E-04	1.14E-02	2.02E-03	6.88E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.57E-05	1.25E-01	7.43E+00	2.64E-04	1.07E-03
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	12	0.5	15	2.13E-04	2.26E-02	3.98E-03	1.35E-04	2.50E+00	1.59E-03	2.50E+00	2.50E-01	1.71E-04	2.50E-01	1.46E+01	5.27E-04	2.10E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	4.5	0.5	15	8.00E-05	8.49E-03	1.49E-03	5.05E-05	9.37E-01	5.98E-04	9.38E-01	9.36E-02	6.41E-05	9.37E-02	5.46E+00	1.98E-04	7.88E-04
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	14.5	0.5	15	2.58E-04	2.73E-02	4.81E-03	1.63E-04	3.02E+00	1.93E-03	3.02E+00	3.02E-01	2.06E-04	3.02E-01	1.76E+01	6.37E-04	2.54E-03
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	8.5	0.5	15	1.51E-04	1.60E-02	2.82E-03	9.55E-05	1.77E+00	1.13E-03	1.77E+00	1.77E-01	1.21E-04	1.77E-01	1.03E+01	3.73E-04	1.49E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	15	0.5	15	2.67E-04	2.83E-02	4.97E-03	1.68E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.14E-04	3.12E-01	1.82E+01	6.59E-04	2.63E-03
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	6	0.5	15	1.07E-04	1.13E-02	1.99E-03	6.74E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.54E-05	1.25E-01	7.28E+00	2.64E-04	1.05E-03
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	4.5	0.5	15	8.00E-05	8.49E-03	1.49E-03	5.05E-05	9.37E-01	5.98E-04	9.38E-01	9.36E-02	6.41E-05	9.37E-02	5.46E+00	1.98E-04	7.88E-04
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	15.5	0.5	15	2.76E-04	2.92E-02	5.14E-03	1.74E-04	3.23E+00	2.06E-03	3.23E+00	3.22E-01	2.21E-04	3.23E-01	1.88E+01	6.81E-04	2.71E-03
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	5	0.5	15	8.89E-05	9.43E-03	1.66E-03	5.62E-05	1.04E+00	6.64E-04	1.04E+00	1.04E-01	7.12E-05	1.04E-01	6.07E+00	2.20E-04	8.75E-04
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	6	0.5	15	1.07E-04	1.13E-02	1.99E-03	6.74E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.54E-05	1.25E-01	7.28E+00	2.64E-04	1.05E-03
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	15	0.5	15	2.60E-04	2.81E-02	4.92E-03	1.65E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.13E-04	3.12E-01	1.78E+01	6.61E-04	2.58E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	7	0.5	15	1.21E-04	1.31E-02	2.30E-03	7.70E-05	1.46E+00	9.30E-04	1.46E+00	1.46E-01	9.92E-05	1.46E-01	8.33E+00	3.08E-04	1.20E-03
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	4	0.5	15	6.93E-05	7.48E-03	1.31E-03	4.40E-05	8.33E-01	5.31E-04	8.33E-01	8.32E-02	5.67E-05	8.33E-02	4.76E+00	1.76E-04	6.87E-04
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	15	0.5	15	2.60E-04	2.81E-02	4.92E-03	1.65E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.13E-04	3.12E-01	1.78E+01	6.61E-04	2.58E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	15	0.5	15	2.60E-04	2.81E-02	4.92E-03	1.65E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.13E-04	3.12E-01	1.78E+01	6.61E-04	2.58E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	6	0.5	15	1.04E-04	1.12E-02	1.97E-03	6.60E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.51E-05	1.25E-01	7.14E+00	2.64E-04	1.03E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	2	0.5	15	3.47E-05	3.74E-03	6.57E-04	2.20E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.84E-05	4.16E-02	2.38E+00	8.81E-05	3.44E-04
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	25	0.5	15	4.33E-04	4.68E-02	8.21E-03	2.75E-04	5.21E+00	3.32E-03	5.21E+00	5.20E-01	3.54E-04	5.20E-01	2.97E+01	1.10E-03	4.29E-03
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	6	0.5	15	1.04E-04	1.12E-02	1.97E-03	6.60E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.51E-05	1.25E-01	7.14E+00	2.64E-04	1.03E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	6	0.5	15	1.02E-04	1.11E-02	1.96E-03	6.47E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.46E-05	1.25E-01	7.00E+00	2.65E-04	1.01E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	11.5	0.5	15	1.95E-04	2.13E-02	3.75E-03	1.24E-04	2.39E+00	1.53E-03	2.40E+00	2.39E-01	1.62E-04	2.39E-01	1.34E+01	5.08E-04	1.94E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	14.5	0.5	15	2.46E-04	2.69E-02	4.73E-03	1.56E-04	3.02E+00	1.93E-03	3.02E+00	3.02E-01	2.04E-04	3.02E-01	1.69E+01	6.41E-04	2.45E-03
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	14.5	0.5	15	2.46E-04	2.69E-02	4.73E-03	1.56E-04	3.02E+00	1.93E-03	3.02E+00	3.02E-01	2.04E-04	3.02E-01	1.69E+01	6.41E-04	2.45E-03
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	8.5	0.5	15	1.44E-04	1.58E-02	2.77E-03	9.17E-05	1.77E+00	1.13E-03	1.77E+00	1.77E-01	1.20E-04	1.77E-01	9.92E+00	3.76E-04	1.43E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	0.5	15	2.54E-04	2.78E-02	4.89E-03	1.62E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.12E-04	3.12E-01	1.75E+01	6.63E-04	2.53E-03
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	6	0.5	15	1.02E-04	1.11E-02	1.96E-03	6.47E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.46E-05	1.25E-01	7.00E+00	2.65E-04	1.01E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	4.5	0.5	15	7.62E-05	8.35E-03	1.47E-03	4.86E-05	9.37E-01	5.98E-04	9.38E-01	9.36E-02	6.35E-05	9.37E-02	5.25E+00	1.99E-04	7.59E-04
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	2	0.5	15	3.39E-05	3.71E-03	6.52E-04	2.16E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.82E-05	4.16E-02	2.33E+00	8.84E-05	3.37E-04
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	15.5	0.5	15	2.63E-04	2.87E-02	5.05E-03	1.67E-04	3.23E+00	2.06E-03	3.23E+00	3.22E-01	2.19E-04	3.23E-01	1.81E+01	6.85E-04	2.61E-03
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
							MT/year			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	9	0.5	15	261	1.34E+00	4.67E-05	1.94E-04	1.40E+00
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	2	0.5	15	261	2.99E-01	1.04E-05	4.30E-05	3.12E-01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	0.5	15	261	3.73E+00	1.30E-04	5.38E-04	3.90E+00
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	6	0.5	15	261	8.96E-01	3.11E-05	1.29E-04	9.35E-01
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	2	0.5	15	261	2.99E-01	1.04E-05	4.30E-05	3.12E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	0.5	15	261	2.24E+00	7.79E-05	3.23E-04	2.34E+00
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	6	0.5	15	261	8.96E-01	3.11E-05	1.29E-04	9.35E-01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	0.5	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	7	0.5	15	261	1.05E+00	3.63E-05	1.51E-04	1.09E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	6	0.5	15	261	8.96E-01	3.11E-05	1.29E-04	9.35E-01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	4	0.5	15	261	5.97E-01	2.08E-05	8.60E-05	6.24E-01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9	0.5	15	261	1.32E+00	4.69E-05	1.90E-04	1.38E+00
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2	0.5	15	261	2.93E-01	1.04E-05	4.22E-05	3.06E-01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	25	0.5	15	261	3.66E+00	1.30E-04	5.28E-04	3.83E+00
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2	0.5	15	261	2.93E-01	1.04E-05	4.22E-05	3.06E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	2	0.5	15	261	2.93E-01	1.04E-05	4.22E-05	3.06E-01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	6	0.5	15	261	8.79E-01	3.12E-05	1.27E-04	9.18E-01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7	0.5	15	261	1.03E+00	3.64E-05	1.48E-04	1.07E+00
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	6	0.5	15	261	8.79E-01	3.12E-05	1.27E-04	9.18E-01
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4	0.5	15	261	5.86E-01	2.08E-05	8.45E-05	6.12E-01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	6	0.5	15	261	8.79E-01	3.12E-05	1.27E-04	9.18E-01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	12	0.5	15	261	1.72E+00	6.24E-05	2.49E-04	1.80E+00
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	4.5	0.5	15	261	6.46E-01	2.34E-05	9.33E-05	6.75E-01
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	14.5	0.5	15	261	2.08E+00	7.54E-05	3.00E-04	2.17E+00
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	8.5	0.5	15	261	1.22E+00	4.42E-05	1.76E-04	1.27E+00
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	15	0.5	15	261	2.15E+00	7.80E-05	3.11E-04	2.25E+00
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	6	0.5	15	261	8.62E-01	3.12E-05	1.24E-04	9.00E-01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	4.5	0.5	15	261	6.46E-01	2.34E-05	9.33E-05	6.75E-01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	15.5	0.5	15	261	2.23E+00	8.06E-05	3.21E-04	2.32E+00
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	5	0.5	15	261	7.18E-01	2.60E-05	1.04E-04	7.50E-01
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	6	0.5	15	261	8.62E-01	3.12E-05	1.24E-04	9.00E-01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	15	0.5	15	260	2.10E+00	7.80E-05	3.04E-04	2.20E+00
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	7	0.5	15	260	9.82E-01	3.64E-05	1.42E-04	1.03E+00
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	4	0.5	15	260	5.61E-01	2.08E-05	8.10E-05	5.86E-01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	15	0.5	15	260	2.10E+00	7.80E-05	3.04E-04	2.20E+00
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	15	0.5	15	260	2.10E+00	7.80E-05	3.04E-04	2.20E+00
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	6	0.5	15	260	8.42E-01	3.12E-05	1.22E-04	8.79E-01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	2	0.5	15	260	2.81E-01	1.04E-05	4.05E-05	2.93E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	0.5	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	25	0.5	15	260	3.51E+00	1.30E-04	5.06E-04	3.66E+00
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	0.5	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	6	0.5	15	260	8.42E-01	3.12E-05	1.22E-04	8.79E-01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	6	0.5	15	261	8.29E-01	3.14E-05	1.20E-04	8.66E-01
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	11.5	0.5	15	261	1.59E+00	6.02E-05	2.30E-04	1.66E+00
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	14.5	0.5	15	261	2.00E+00	7.59E-05	2.89E-04	2.09E+00
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	14.5	0.5	15	261	2.00E+00	7.59E-05	2.89E-04	2.09E+00
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	8.5	0.5	15	261	1.17E+00	4.45E-05	1.70E-04	1.23E+00
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	0.5	15	261	2.07E+00	7.85E-05	2.99E-04	2.16E+00
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	6	0.5	15	261	8.29E-01	3.14E-05	1.20E-04	8.66E-01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	4.5	0.5	15	261	6.22E-01	2.36E-05	8.98E-05	6.49E-01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	2	0.5	15	261	2.76E-01	1.05E-05	3.99E-05	2.89E-01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	15.5	0.5	15	261	2.14E+00	8.11E-05	3.09E-04	2.24E+00
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	0.5	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Vendor Starting/Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/trip)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	9	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	2	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	6	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	2	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	6	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	7	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	6	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	4	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	25	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	2	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	6	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	6	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	6	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	12	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	4.5	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	14.5	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	8.5	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	15	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	6	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	4.5	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	15.5	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	5	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	6	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	15	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	7	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	4	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	15	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	15	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	6	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	2	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	25	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	6	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	6	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	11.5	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	14.5	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	14.5	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	8.5	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	6	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	4.5	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	2	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	15.5	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	9	0.5	15	8.66E-04	2.00E-02	5.30E-03	5.05E-07	0.00E+00	5.46E-07	5.46E-07	0.00E+00	5.02E-07	5.02E-07	5.10E-02	4.89E-05	4.04E-05
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	2	0.5	15	1.93E-04	4.44E-03	1.18E-03	1.12E-07	0.00E+00	1.21E-07	1.21E-07	0.00E+00	1.12E-07	1.12E-07	1.13E-02	1.09E-05	8.99E-06
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	0.5	15	2.41E-03	5.55E-02	1.47E-02	1.40E-06	0.00E+00	1.52E-06	1.52E-06	0.00E+00	1.39E-06	1.39E-06	1.42E-01	1.36E-04	1.12E-04
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	6	0.5	15	5.78E-04	1.33E-02	3.53E-03	3.36E-07	0.00E+00	3.64E-07	3.64E-07	0.00E+00	3.35E-07	3.35E-07	3.40E-02	3.26E-05	2.70E-05
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	2	0.5	15	1.93E-04	4.44E-03	1.18E-03	1.12E-07	0.00E+00	1.21E-07	1.21E-07	0.00E+00	1.12E-07	1.12E-07	1.13E-02	1.09E-05	8.99E-06
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	0.5	15	1.44E-03	3.33E-02	8.83E-03	8.41E-07	0.00E+00	9.10E-07	9.10E-07	0.00E+00	8.37E-07	8.37E-07	8.50E-02	8.16E-05	6.74E-05
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	6	0.5	15	5.78E-04	1.33E-02	3.53E-03	3.36E-07	0.00E+00	3.64E-07	3.64E-07	0.00E+00	3.35E-07	3.35E-07	3.40E-02	3.26E-05	2.70E-05
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	7	0.5	15	6.74E-04	1.55E-02	4.12E-03	3.92E-07	0.00E+00	4.25E-07	4.25E-07	0.00E+00	3.91E-07	3.91E-07	3.97E-02	3.81E-05	3.15E-05
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	6	0.5	15	5.78E-04	1.33E-02	3.53E-03	3.36E-07	0.00E+00	3.64E-07	3.64E-07	0.00E+00	3.35E-07	3.35E-07	3.40E-02	3.26E-05	2.70E-05
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	4	0.5	15	3.85E-04	8.88E-03	2.35E-03	2.24E-07	0.00E+00	2.43E-07	2.43E-07	0.00E+00	2.23E-07	2.23E-07	2.27E-02	2.18E-05	1.80E-05
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9	0.5	15	8.19E-04	2.00E-02	4.99E-03	4.85E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	4.90E-02	4.68E-05	3.95E-05
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2	0.5	15	1.82E-04	4.45E-03	1.11E-03	1.08E-07	0.00E+00	1.18E-07	1.18E-07	0.00E+00	1.08E-07	1.08E-07	1.09E-02	1.04E-05	8.78E-06
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	25	0.5	15	2.27E-03	5.56E-02	1.39E-02	1.35E-06	0.00E+00	1.47E-06	1.47E-06	0.00E+00	1.36E-06	1.36E-06	1.36E-01	1.30E-04	1.10E-04
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2	0.5	15	1.82E-04	4.45E-03	1.11E-03	1.08E-07	0.00E+00	1.18E-07	1.18E-07	0.00E+00	1.08E-07	1.08E-07	1.09E-02	1.04E-05	8.78E-06
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	2	0.5	15	1.82E-04	4.45E-03	1.11E-03	1.08E-07	0.00E+00	1.18E-07	1.18E-07	0.00E+00	1.08E-07	1.08E-07	1.09E-02	1.04E-05	8.78E-06
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	6	0.5	15	5.46E-04	1.34E-02	3.33E-03	3.23E-07	0.00E+00	3.54E-07	3.54E-07	0.00E+00	3.25E-07	3.25E-07	3.27E-02	3.12E-05	2.63E-05
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7	0.5	15	6.37E-04	1.56E-02	3.88E-03	3.77E-07	0.00E+00	4.13E-07	4.13E-07	0.00E+00	3.80E-07	3.80E-07	3.81E-02	3.64E-05	3.07E-05
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	6	0.5	15	5.46E-04	1.34E-02	3.33E-03	3.23E-07	0.00E+00	3.54E-07	3.54E-07	0.00E+00	3.25E-07	3.25E-07	3.27E-02	3.12E-05	2.63E-05
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4	0.5	15	3.64E-04	8.90E-03	2.22E-03	2.15E-07	0.00E+00	2.36E-07	2.36E-07	0.00E+00	2.17E-07	2.17E-07	2.18E-02	2.08E-05	1.76E-05
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	6	0.5	15	5.46E-04	1.34E-02	3.33E-03	3.23E-07	0.00E+00	3.54E-07	3.54E-07	0.00E+00	3.25E-07	3.25E-07	3.27E-02	3.12E-05	2.63E-05
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	12	0.5	15	1.04E-03	2.68E-02	6.29E-03	6.21E-07	0.00E+00	6.91E-07	6.91E-07	0.00E+00	6.35E-07	6.35E-07	6.28E-02	5.98E-05	5.15E-05
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	4.5	0.5	15	3.88E-04	1.00E-02	2.36E-03	2.33E-07	0.00E+00	2.59E-07	2.59E-07	0.00E+00	2.38E-07	2.38E-07	2.35E-02	2.24E-05	1.93E-05
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	14.5	0.5	15	1.25E-03	3.24E-02	7.60E-03	7.51E-07	0.00E+00	8.35E-07	8.35E-07	0.00E+00	7.67E-07	7.67E-07	7.59E-02	7.22E-05	6.23E-05
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	8.5	0.5	15	7.33E-04	1.90E-02	4.46E-03	4.40E-07	0.00E+00	4.89E-07	4.89E-07	0.00E+00	4.50E-07	4.50E-07	4.45E-02	4.23E-05	3.65E-05
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	15	0.5	15	1.29E-03	3.35E-02	7.86E-03	7.77E-07	0.00E+00	8.63E-07	8.63E-07	0.00E+00	7.94E-07	7.94E-07	7.85E-02	7.47E-05	6.44E-05
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	6	0.5	15	5.18E-04	1.34E-02	3.15E-03	3.11E-07	0.00E+00	3.45E-07	3.45E-07	0.00E+00	3.18E-07	3.18E-07	3.14E-02	2.99E-05	2.58E-05
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	4.5	0.5	15	3.88E-04	1.00E-02	2.36E-03	2.33E-07	0.00E+00	2.59E-07	2.59E-07	0.00E+00	2.38E-07	2.38E-07	2.35E-02	2.24E-05	1.93E-05
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	15.5	0.5	15	1.34E-03	3.46E-02	8.13E-03	8.03E-07	0.00E+00	8.92E-07	8.92E-07	0.00E+00	8.20E-07	8.20E-07	8.11E-02	7.72E-05	6.66E-05
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	5	0.5	15	4.31E-04	1.12E-02	2.62E-03	2.59E-07	0.00E+00	2.88E-07	2.88E-07	0.00E+00	2.65E-07	2.65E-07	2.62E-02	2.49E-05	2.15E-05
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	6	0.5	15	5.18E-04	1.34E-02	3.15E-03	3.11E-07	0.00E+00	3.45E-07	3.45E-07	0.00E+00	3.18E-07	3.18E-07	3.14E-02	2.99E-05	2.58E-05
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	15	0.5	15	1.24E-03	3.36E-02	7.49E-03	7.51E-07	0.00E+00	8.50E-07	8.50E-07	0.00E+00	7.81E-07	7.81E-07	7.59E-02	7.22E-05	6.34E-05
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	7	0.5	15	5.77E-04	1.57E-02	3.50E-03	3.50E-07	0.00E+00	3.96E-07	3.96E-07	0.00E+00	3.65E-07	3.65E-07	3.54E-02	3.37E-05	2.96E-05
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	4	0.5	15	3.30E-04	8.95E-03	2.00E-03	2.00E-07	0.00E+00	2.27E-07	2.27E-07	0.00E+00	2.08E-07	2.08E-07	2.02E-02	1.92E-05	1.69E-05
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	15	0.5	15	1.24E-03	3.36E-02	7.49E-03	7.51E-07	0.00E+00	8.50E-07	8.50E-07	0.00E+00	7.81E-07	7.81E-07	7.59E-02	7.22E-05	6.34E-05
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	15	0.5	15	1.24E-03	3.36E-02	7.49E-03	7.51E-07	0.00E+00	8.50E-07	8.50E-07	0.00E+00	7.81E-07	7.81E-07	7.59E-02	7.22E-05	6.34E-05
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	6	0.5	15	4.94E-04	1.34E-02	3.00E-03	3.00E-07	0.00E+00	3.40E-07	3.40E-07	0.00E+00	3.12E-07	3.12E-07	3.03E-02	2.89E-05	2.54E-05
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	2	0.5	15	1.65E-04	4.47E-03	9.99E-04	1.00E-07	0.00E+00	1.13E-07	1.13E-07	0.00E+00	1.04E-07	1.04E-07	1.01E-02	9.62E-06	8.46E-06
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	25	0.5	15	2.06E-03	5.59E-02	1.25E-02	1.25E-06	0.00E+00	1.42E-06	1.42E-06	0.00E+00	1.30E-06	1.30E-06	1.26E-01	1.20E-04	1.06E-04
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	6	0.5	15	4.94E-04	1.34E-02	3.00E-03	3.00E-07	0.00E+00	3.40E-07	3.40E-07	0.00E+00	3.12E-07	3.12E-07	3.03E-02	2.89E-05	2.54E-05
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	6	0.5	15	4.73E-04	1.35E-02	2.86E-03	2.91E-07	0.00E+00	3.35E-07	3.35E-07	0.00E+00	3.08E-07	3.08E-07	2.94E-02	2.80E-05	2.50E-05
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	11.5	0.5	15	9.07E-04	2.58E-02	5.49E-03	5.57E-07	0.00E+00	6.42E-07	6.42E-07	0.00E+00	5.91E-07	5.91E-07	5.63E-02	5.36E-05	4.80E-05
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	14.5	0.5	15	1.14E-03	3.25E-02	6.92E-03	7.03E-07	0.00E+00	8.10E-07	8.10E-07	0.00E+00	7.45E-07	7.45E-07	7.10E-02	6.76E-05	6.05E-05
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	14.5	0.5	15	1.14E-03	3.25E-02	6.92E-03	7.03E-07	0.00E+00	8.10E-07	8.10E-07	0.00E+00	7.45E-07	7.45E-07	7.10E-02	6.76E-05	6.05E-05
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	8.5	0.5	15	6.70E-04	1.91E-02	4.06E-03	4.12E-07	0.00E+00	4.75E-07	4.75E-07	0.00E+00	4.37E-07	4.37E-07	4.16E-02	3.96E-05	3.55E-05
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	0.5	15	1.18E-03	3.36E-02	7.16E-03	7.27E-07	0.00E+00	8.38E-07	8.38E-07	0.00E+00	7.71E-07	7.71E-07	7.35E-02	6.99E-05	6.26E-05
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	6	0.5	15	4.73E-04	1.35E-02	2.86E-03	2.91E-07	0.00E+00	3.35E-07	3.35E-07	0.00E+00	3.08E-07	3.08E-07	2.94E-02	2.80E-05	2.50E-05
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	4.5	0.5	15	3.55E-04	1.01E-02	2.15E-03	2.18E-07	0.00E+00	2.51E-07	2.51E-07	0.00E+00	2.31E-07	2.31E-07	2.20E-02	2.10E-05	1.88E-05
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	2	0.5	15	1.58E-04	4.48E-03	9.55E-04	9.70E-08	0.00E+00	1.12E-07	1.12E-07	0.00E+00	1.03E-07	1.03E-07	9.80E-03	9.33E-06	8.35E-06
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	15.5	0.5	15	1.22E-03	3.48E-02	7.40E-03	7.51E-07	0.00E+00	8.66E-07	8.66E-07	0.00E+00	7.96E-07	7.96E-07	7.59E-02	7.23E-05	6.47E-05
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
							MT/year			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	9	0.5	15	261	6.04E-03	5.7943E-06	4.7877E-06	7.61E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	2	0.5	15	261	0.00134144	1.2876E-06	1.0639E-06	1.69E-03
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	0.5	15	261	0.016768	1.6095E-05	1.3299E-05	2.11E-02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	6	0.5	15	261	0.00402432	3.8629E-06	3.1918E-06	5.07E-03
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	2	0.5	15	261	0.00134144	1.2876E-06	1.0639E-06	1.69E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	0.5	15	261	0.0100608	9.6572E-06	7.9795E-06	1.27E-02
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	6	0.5	15	261	0.00402432	3.8629E-06	3.1918E-06	5.07E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	0.5	15	261	0	0	0	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	7	0.5	15	261	0.00469504	4.5067E-06	3.7238E-06	5.92E-03
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	6	0.5	15	261	0.00402432	3.8629E-06	3.1918E-06	5.07E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	4	0.5	15	261	0.00268288	2.5753E-06	2.1279E-06	3.38E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9	0.5	15	261	0.0058004	5.5373E-06	4.6779E-06	7.33E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2	0.5	15	261	0.00128898	1.2305E-06	1.0395E-06	1.63E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	25	0.5	15	261	0.01611223	1.5381E-05	1.2994E-05	2.04E-02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2	0.5	15	261	0.00128898	1.2305E-06	1.0395E-06	1.63E-03
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	2	0.5	15	261	0.00128898	1.2305E-06	1.0395E-06	1.63E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	6	0.5	15	261	0.00386694	3.6915E-06	3.1186E-06	4.89E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7	0.5	15	261	0.00451142	4.3068E-06	3.6384E-06	5.70E-03
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	6	0.5	15	261	0.00386694	3.6915E-06	3.1186E-06	4.89E-03
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	15	261	0	0	0	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4	0.5	15	261	0.00257796	2.461E-06	2.0791E-06	3.26E-03
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	6	0.5	15	261	0.00386694	3.6915E-06	3.1186E-06	4.89E-03
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	12	0.5	15	261	0.00743376	7.0771E-06	6.1025E-06	9.43E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	4.5	0.5	15	261	0.00278766	2.6539E-06	2.2884E-06	3.54E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	14.5	0.5	15	261	0.00898246	8.5515E-06	7.3738E-06	1.14E-02
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	8.5	0.5	15	261	0.00526558	5.013E-06	4.3226E-06	6.68E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	15	0.5	15	261	0.0092922	8.8464E-06	7.6281E-06	1.18E-02
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	6	0.5	15	261	0.00371688	3.5386E-06	3.0512E-06	4.71E-03
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	4.5	0.5	15	261	0.00278766	2.6539E-06	2.2884E-06	3.54E-03
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	15.5	0.5	15	261	0.00960194	9.1413E-06	7.8824E-06	1.22E-02
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	15	261	0	0	0	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	5	0.5	15	261	0.0030974	2.9488E-06	2.5427E-06	3.93E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	6	0.5	15	261	0.00371688	3.5386E-06	3.0512E-06	4.71E-03
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	15	0.5	15	260	0.00894766	8.511E-06	7.4809E-06	1.14E-02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	7	0.5	15	260	0.00417557	3.9718E-06	3.4911E-06	5.32E-03
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	4	0.5	15	260	0.00238604	2.2696E-06	1.9949E-06	3.04E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	15	0.5	15	260	0.00894766	8.511E-06	7.4809E-06	1.14E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	15	0.5	15	260	0.00894766	8.511E-06	7.4809E-06	1.14E-02
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	6	0.5	15	260	0.00357906	3.4044E-06	2.9923E-06	4.56E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	2	0.5	15	260	0.00119302	1.1348E-06	9.9745E-07	1.52E-03
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	0.5	15	260	0	0	0	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	25	0.5	15	260	0.01491276	1.4185E-05	1.2468E-05	1.90E-02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	0.5	15	260	0	0	0	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	6	0.5	15	260	0.00357906	3.4044E-06	2.9923E-06	4.56E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	6	0.5	15	261	0.00347974	3.3124E-06	2.9646E-06	4.45E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	11.5	0.5	15	261	0.0066695	6.3487E-06	5.6821E-06	8.52E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	14.5	0.5	15	261	0.00840937	8.0049E-06	7.1644E-06	1.07E-02
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	14.5	0.5	15	261	0.00840937	8.0049E-06	7.1644E-06	1.07E-02
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	8.5	0.5	15	261	0.00492963	4.6925E-06	4.1998E-06	6.30E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	0.5	15	261	0.00869935	8.2809E-06	7.4114E-06	1.11E-02
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	6	0.5	15	261	0.00347974	3.3124E-06	2.9646E-06	4.45E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	4.5	0.5	15	261	0.0026098	2.4843E-06	2.2234E-06	3.33E-03
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	2	0.5	15	261	0.00115991	1.1041E-06	9.8819E-07	1.48E-03
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	15.5	0.5	15	261	0.00898933	8.557E-06	7.6585E-06	1.15E-02
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	0.5	15	261	0	0	0	0.00E+00

Vendor Idling Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/min)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	9	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	2	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	6	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	2	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	6	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	7	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	6	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	4	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	25	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	2	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	6	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	6	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	6	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	12	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	4.5	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	14.5	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	8.5	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	15	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	6	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	4.5	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	15.5	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	5	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	6	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	15	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	7	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	4	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	15	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	15	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	6	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	2	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	25	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	6	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	6	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	11.5	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	14.5	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	14.5	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	8.5	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	6	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	4.5	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	2	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	15.5	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	9	0.5	15	1.49E-01	5.88E-04	4.85E-03	9.50E-03	1.00E-05	0.00E+00	2.82E-06	2.82E-06	0.00E+00	2.70E-06	2.70E-06	1.05E+00	6.35E-05
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	2	0.5	15	3.31E-02	1.31E-04	1.08E-03	2.11E-03	2.23E-06	0.00E+00	6.27E-07	6.27E-07	0.00E+00	5.99E-07	5.99E-07	2.34E-01	1.41E-05
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	0.5	15	4.13E-01	1.63E-03	1.35E-02	2.64E-02	2.78E-05	0.00E+00	7.83E-06	7.83E-06	0.00E+00	7.49E-06	7.49E-06	2.93E+00	1.76E-04
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	6	0.5	15	9.92E-02	3.92E-04	3.23E-03	6.33E-03	6.68E-06	0.00E+00	1.88E-06	1.88E-06	0.00E+00	1.80E-06	1.80E-06	7.03E-01	4.23E-05
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	2	0.5	15	3.31E-02	1.31E-04	1.08E-03	2.11E-03	2.23E-06	0.00E+00	6.27E-07	6.27E-07	0.00E+00	5.99E-07	5.99E-07	2.34E-01	1.41E-05
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	0.5	15	2.48E-01	9.81E-04	8.09E-03	1.58E-02	1.67E-05	0.00E+00	4.70E-06	4.70E-06	0.00E+00	4.50E-06	4.50E-06	1.76E+00	1.06E-04
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	6	0.5	15	9.92E-02	3.92E-04	3.23E-03	6.33E-03	6.68E-06	0.00E+00	1.88E-06	1.88E-06	0.00E+00	1.80E-06	1.80E-06	7.03E-01	4.23E-05
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	7	0.5	15	1.16E-01	4.58E-04	3.77E-03	7.39E-03	7.80E-06	0.00E+00	2.19E-06	2.19E-06	0.00E+00	2.10E-06	2.10E-06	8.20E-01	4.94E-05
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	6	0.5	15	9.92E-02	3.92E-04	3.23E-03	6.33E-03	6.68E-06	0.00E+00	1.88E-06	1.88E-06	0.00E+00	1.80E-06	1.80E-06	7.03E-01	4.23E-05
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	4	0.5	15	6.61E-02	2.62E-04	2.16E-03	4.22E-03	4.46E-06	0.00E+00	1.25E-06	1.25E-06	0.00E+00	1.20E-06	1.20E-06	4.69E-01	2.82E-05
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9	0.5	15	1.49E-01	5.80E-04	4.80E-03	9.40E-03	9.86E-06	0.00E+00	2.58E-06	2.58E-06	0.00E+00	2.46E-06	2.46E-06	1.04E+00	6.26E-05
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2	0.5	15	3.31E-02	1.29E-04	1.07E-03	2.09E-03	2.19E-06	0.00E+00	5.72E-07	5.72E-07	0.00E+00	5.48E-07	5.48E-07	2.31E-01	1.39E-05
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	25	0.5	15	4.13E-01	1.61E-03	1.33E-02	2.61E-02	2.74E-05	0.00E+00	7.16E-06	7.16E-06	0.00E+00	6.85E-06	6.85E-06	2.88E+00	1.74E-04
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2	0.5	15	3.31E-02	1.29E-04	1.07E-03	2.09E-03	2.19E-06	0.00E+00	5.72E-07	5.72E-07	0.00E+00	5.48E-07	5.48E-07	2.31E-01	1.39E-05
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	2	0.5	15	3.31E-02	1.29E-04	1.07E-03	2.09E-03	2.19E-06	0.00E+00	5.72E-07	5.72E-07	0.00E+00	5.48E-07	5.48E-07	2.31E-01	1.39E-05
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	6	0.5	15	9.92E-02	3.86E-04	3.20E-03	6.26E-03	6.57E-06	0.00E+00	1.72E-06	1.72E-06	0.00E+00	1.64E-06	1.64E-06	6.92E-01	4.17E-05
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7	0.5	15	1.16E-01	4.51E-04	3.73E-03	7.31E-03	7.67E-06	0.00E+00	2.00E-06	2.00E-06	0.00E+00	1.92E-06	1.92E-06	8.08E-01	4.87E-05
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	6	0.5	15	9.92E-02	3.86E-04	3.20E-03	6.26E-03	6.57E-06	0.00E+00	1.72E-06	1.72E-06	0.00E+00	1.64E-06	1.64E-06	6.92E-01	4.17E-05
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4	0.5	15	6.61E-02	2.58E-04	2.13E-03	4.18E-03	4.38E-06	0.00E+00	1.14E-06	1.14E-06	0.00E+00	1.10E-06	1.10E-06	4.61E-01	2.78E-05
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	6	0.5	15	9.92E-02	3.86E-04	3.20E-03	6.26E-03	6.57E-06	0.00E+00	1.72E-06	1.72E-06	0.00E+00	1.64E-06	1.64E-06	6.92E-01	4.17E-05
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	12	0.5	15	1.98E-01	7.62E-04	6.34E-03	1.24E-02	1.29E-05	0.00E+00	3.16E-06	3.16E-06	0.00E+00	3.02E-06	3.02E-06	1.36E+00	8.23E-05
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	4.5	0.5	15	7.44E-02	2.86E-04	2.38E-03	4.65E-03	4.85E-06	0.00E+00	1.18E-06	1.18E-06	0.00E+00	1.13E-06	1.13E-06	5.11E-01	3.09E-05
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	14.5	0.5	15	2.40E-01	9.21E-04	7.66E-03	1.50E-02	1.56E-05	0.00E+00	3.82E-06	3.82E-06	0.00E+00	3.65E-06	3.65E-06	1.65E+00	9.94E-05
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	8.5	0.5	15	1.41E-01	5.40E-04	4.49E-03	8.78E-03	9.15E-06	0.00E+00	2.24E-06	2.24E-06	0.00E+00	2.14E-06	2.14E-06	9.65E-01	5.83E-05
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	15	0.5	15	2.48E-01	9.52E-04	7.93E-03	1.55E-02	1.62E-05	0.00E+00	3.95E-06	3.95E-06	0.00E+00	3.78E-06	3.78E-06	1.70E+00	1.03E-04
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	6	0.5	15	9.92E-02	3.81E-04	3.17E-03	6.20E-03	6.46E-06	0.00E+00	1.58E-06	1.58E-06	0.00E+00	1.51E-06	1.51E-06	6.81E-01	4.11E-05
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	4.5	0.5	15	7.44E-02	2.86E-04	2.38E-03	4.65E-03	4.85E-06	0.00E+00	1.18E-06	1.18E-06	0.00E+00	1.13E-06	1.13E-06	5.11E-01	3.09E-05
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	15.5	0.5	15	2.56E-01	9.84E-04	8.19E-03	1.60E-02	1.67E-05	0.00E+00	4.08E-06	4.08E-06	0.00E+00	3.90E-06	3.90E-06	1.76E+00	1.06E-04
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	5	0.5	15	8.27E-02	3.17E-04	2.64E-03	5.17E-03	5.38E-06	0.00E+00	1.32E-06	1.32E-06	0.00E+00	1.26E-06	1.26E-06	5.67E-01	3.43E-05
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	6	0.5	15	9.92E-02	3.81E-04	3.17E-03	6.20E-03	6.46E-06	0.00E+00	1.58E-06	1.58E-06	0.00E+00	1.51E-06	1.51E-06	6.81E-01	4.11E-05
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	15	0.5	15	2.48E-01	9.42E-04	7.86E-03	1.54E-02	1.59E-05	0.00E+00	3.67E-06	3.67E-06	0.00E+00	3.51E-06	3.51E-06	1.67E+00	1.02E-04
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	7	0.5	15	1.16E-01	4.40E-04	3.67E-03	7.18E-03	7.41E-06	0.00E+00	1.71E-06	1.71E-06	0.00E+00	1.64E-06	1.64E-06	7.82E-01	4.76E-05
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	4	0.5	15	6.61E-02	2.51E-04	2.10E-03	4.10E-03	4.24E-06	0.00E+00	9.79E-07	9.79E-07	0.00E+00	9.37E-07	9.37E-07	4.47E-01	2.72E-05
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	15	0.5	15	2.48E-01	9.42E-04	7.86E-03	1.54E-02	1.59E-05	0.00E+00	3.67E-06	3.67E-06	0.00E+00	3.51E-06	3.51E-06	1.67E+00	1.02E-04
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	15	0.5	15	2.48E-01	9.42E-04	7.86E-03	1.54E-02	1.59E-05	0.00E+00	3.67E-06	3.67E-06	0.00E+00	3.51E-06	3.51E-06	1.67E+00	1.02E-04
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	6	0.5	15	9.92E-02	3.77E-04	3.14E-03	6.15E-03	6.35E-06	0.00E+00	1.47E-06	1.47E-06	0.00E+00	1.40E-06	1.40E-06	6.70E-01	4.08E-05
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	2	0.5	15	3.31E-02	1.26E-04	1.05E-03	2.05E-03	2.12E-06	0.00E+00	4.89E-07	4.89E-07	0.00E+00	4.68E-07	4.68E-07	2.23E-01	1.36E-05
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	25	0.5	15	4.13E-01	1.57E-03	1.31E-02	2.56E-02	2.65E-05	0.00E+00	6.12E-06	6.12E-06	0.00E+00	5.85E-06	5.85E-06	2.79E+00	1.70E-04
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	6	0.5	15	9.92E-02	3.77E-04	3.14E-03	6.15E-03	6.35E-06	0.00E+00	1.47E-06	1.47E-06	0.00E+00	1.40E-06	1.40E-06	6.70E-01	4.08E-05
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	6	0.5	15	9.92E-02	3.73E-04	3.12E-03	6.11E-03	6.25E-06	0.00E+00	1.37E-06	1.37E-06	0.00E+00	1.31E-06	1.31E-06	6.59E-01	4.04E-05
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	11.5	0.5	15	1.90E-01	7.15E-04	5.98E-03	1.17E-02	1.20E-05	0.00E+00	2.63E-06	2.63E-06	0.00E+00	2.51E-06	2.51E-06	1.26E+00	7.75E-05
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	14.5	0.5	15	2.40E-01	9.02E-04	7.54E-03	1.48E-02	1.51E-05	0.00E+00	3.31E-06	3.31E-06	0.00E+00	3.17E-06	3.17E-06	1.59E+00	9.77E-05
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	14.5	0.5	15	2.40E-01	9.02E-04	7.54E-03	1.48E-02	1.51E-05	0.00E+00	3.31E-06	3.31E-06	0.00E+00	3.17E-06	3.17E-06	1.59E+00	9.77E-05
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	8.5	0.5	15	1.41E-01	5.28E-04	4.42E-03	8.66E-03	8.85E-06	0.00E+00	1.94E-06	1.94E-06	0.00E+00	1.86E-06	1.86E-06	9.34E-01	5.73E-05
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	0.5	15	2.48E-01	9.33E-04	7.80E-03	1.53E-02	1.56E-05	0.00E+00	3.43E-06	3.43E-06	0.00E+00	3.28E-06	3.28E-06	1.65E+00	1.01E-04
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	6	0.5	15	9.92E-02	3.73E-04	3.12E-03	6.11E-03	6.25E-06	0.00E+00	1.37E-06	1.37E-06	0.00E+00	1.31E-06	1.31E-06	6.59E-01	4.04E-05
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	4.5	0.5	15	7.44E-02	2.80E-04	2.34E-03	4.58E-03	4.69E-06	0.00E+00	1.03E-06	1.03E-06	0.00E+00	9.84E-07	9.84E-07	4.95E-01	3.03E-05
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	2	0.5	15	3.31E-02	1.24E-04	1.04E-03	2.04E-03	2.08E-06	0.00E+00	4.57E-07	4.57E-07	0.00E+00	4.37E-07	4.37E-07	2.20E-01	1.35E-05
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	15.5	0.5	15	2.56E-01	9.64E-04	8.06E-03	1.58E-02	1.61E-05	0.00E+00	3.54E-06	3.54E-06	0.00E+00	3.39E-06	3.39E-06	1.70E+00	1.04E-04
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
							MT/year			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	9	0.5	15	261	3.19E-07	0.12487787	7.5139E-06	3.12E+00
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	2	0.5	15	261	7.0971E-08	0.02775064	1.6698E-06	6.94E-01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	0.5	15	261	8.8714E-07	0.34688296	2.0872E-05	8.68E+00
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	6	0.5	15	261	2.1291E-07	0.08325191	5.0093E-06	2.08E+00
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	2	0.5	15	261	7.0971E-08	0.02775064	1.6698E-06	6.94E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	0.5	15	261	5.3228E-07	0.20812978	1.2523E-05	5.21E+00
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	6	0.5	15	261	2.1291E-07	0.08325191	5.0093E-06	2.08E+00
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	0.5	15	261	0	0	0	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	7	0.5	15	261	2.484E-07	0.09712723	5.8441E-06	2.43E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	6	0.5	15	261	2.1291E-07	0.08325191	5.0093E-06	2.08E+00
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	4	0.5	15	261	1.4194E-07	0.05550127	3.3395E-06	1.39E+00
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9	0.5	15	261	2.9178E-07	0.12292619	7.408E-06	3.08E+00
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2	0.5	15	261	6.484E-08	0.02731693	1.6462E-06	6.83E-01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	25	0.5	15	261	8.1051E-07	0.34146165	2.0578E-05	8.54E+00
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2	0.5	15	261	6.484E-08	0.02731693	1.6462E-06	6.83E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	2	0.5	15	261	6.484E-08	0.02731693	1.6462E-06	6.83E-01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	6	0.5	15	261	1.9452E-07	0.0819508	4.9386E-06	2.05E+00
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7	0.5	15	261	2.2694E-07	0.09560926	5.7617E-06	2.39E+00
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	6	0.5	15	261	1.9452E-07	0.0819508	4.9386E-06	2.05E+00
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	15	261	0	0	0	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4	0.5	15	261	1.2968E-07	0.05463386	3.2924E-06	1.37E+00
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	6	0.5	15	261	1.9452E-07	0.0819508	4.9386E-06	2.05E+00
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	12	0.5	15	261	3.5787E-07	0.16123852	9.7422E-06	4.03E+00
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	4.5	0.5	15	261	1.342E-07	0.06046444	3.6533E-06	1.51E+00
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	14.5	0.5	15	261	4.3242E-07	0.19482988	1.1772E-05	4.87E+00
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	8.5	0.5	15	261	2.5349E-07	0.11421062	6.9007E-06	2.86E+00
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	15	0.5	15	261	4.4734E-07	0.20154815	1.2178E-05	5.04E+00
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	6	0.5	15	261	1.7893E-07	0.08061926	4.8711E-06	2.02E+00
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	4.5	0.5	15	261	1.342E-07	0.06046444	3.6533E-06	1.51E+00
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	15.5	0.5	15	261	4.6225E-07	0.20826642	1.2584E-05	5.21E+00
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	15	261	0	0	0	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	5	0.5	15	261	1.4911E-07	0.06718272	4.0593E-06	1.68E+00
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	6	0.5	15	261	1.7893E-07	0.08061926	4.8711E-06	2.02E+00
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	15	0.5	15	260	4.1419E-07	0.19753751	1.2019E-05	4.94E+00
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	7	0.5	15	260	1.9329E-07	0.09218417	5.6088E-06	2.31E+00
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	4	0.5	15	260	1.1045E-07	0.05267667	3.205E-06	1.32E+00
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	15	0.5	15	260	4.1419E-07	0.19753751	1.2019E-05	4.94E+00
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	15	0.5	15	260	4.1419E-07	0.19753751	1.2019E-05	4.94E+00
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	6	0.5	15	260	1.6567E-07	0.079015	4.8075E-06	1.98E+00
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	2	0.5	15	260	5.5225E-08	0.02633833	1.6025E-06	6.59E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	0.5	15	260	0	0	0	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	25	0.5	15	260	6.9031E-07	0.32922918	2.0031E-05	8.24E+00
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	0.5	15	260	0	0	0	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	6	0.5	15	260	1.6567E-07	0.079015	4.8075E-06	1.98E+00
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	6	0.5	15	261	1.553E-07	0.07806311	4.787E-06	1.95E+00
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	11.5	0.5	15	261	2.9766E-07	0.14962096	9.1751E-06	3.74E+00
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	14.5	0.5	15	261	3.7531E-07	0.18865252	1.1569E-05	4.72E+00
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	14.5	0.5	15	261	3.7531E-07	0.18865252	1.1569E-05	4.72E+00
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	8.5	0.5	15	261	2.2001E-07	0.11058941	6.7816E-06	2.77E+00
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	0.5	15	261	3.8825E-07	0.19515778	1.1968E-05	4.88E+00
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	6	0.5	15	261	1.553E-07	0.07806311	4.787E-06	1.95E+00
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	4.5	0.5	15	261	1.1647E-07	0.05854733	3.5903E-06	1.46E+00
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	2	0.5	15	261	5.1766E-08	0.02602104	1.5957E-06	6.51E-01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	15.5	0.5	15	261	4.0119E-07	0.20166304	1.2366E-05	5.05E+00
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	0.5	15	261	0	0	0	0.00E+00

Haul Running Emission Factors

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission Factor (g/mile)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1705	7	0.5	2.32E-02	2.45E+00	4.44E-01	1.19E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	26	0	0.5	2.32E-02	2.45E+00	4.44E-01	1.19E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	0.5	2.32E-02	2.45E+00	4.44E-01	1.19E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	0	0	0.5	2.32E-02	2.45E+00	4.44E-01	1.19E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	7512	29	0.5	2.32E-02	2.45E+00	4.44E-01	1.19E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	2191	8	0.5	2.32E-02	2.45E+00	4.44E-01	1.19E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	5008	19	0.5	2.32E-02	2.45E+00	4.44E-01	1.19E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	0.5	2.32E-02	2.45E+00	4.44E-01	1.19E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	0.5	2.32E-02	2.45E+00	4.44E-01	1.19E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	528	2	0.5	2.32E-02	2.45E+00	4.44E-01	1.19E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	624	2	0.5	2.32E-02	2.45E+00	4.44E-01	1.19E-02	1.89E+02	2.05E-02	1.89E+02	1.89E+01	1.96E-02	1.89E+01	1.32E+03	7.83E-02	2.10E-01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	1705	7	0.5	2.28E-02	2.42E+00	4.52E-01	1.17E-02	1.89E+02	2.04E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	52	0	0.5	2.28E-02	2.42E+00	4.52E-01	1.17E-02	1.89E+02	2.04E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	6260	24	0.5	2.28E-02	2.42E+00	4.52E-01	1.17E-02	1.89E+02	2.04E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	7512	29	0.5	2.28E-02	2.42E+00	4.52E-01	1.17E-02	1.89E+02	2.04E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	7512	29	0.5	2.28E-02	2.42E+00	4.52E-01	1.17E-02	1.89E+02	2.04E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	5008	19	0.5	2.28E-02	2.42E+00	4.52E-01	1.17E-02	1.89E+02	2.04E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	0	0	0.5	2.28E-02	2.42E+00	4.52E-01	1.17E-02	1.89E+02	2.04E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	0	0	0.5	2.28E-02	2.42E+00	4.52E-01	1.17E-02	1.89E+02	2.04E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	0.5	2.28E-02	2.42E+00	4.52E-01	1.17E-02	1.89E+02	2.04E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	624	2	0.5	2.28E-02	2.42E+00	4.52E-01	1.17E-02	1.89E+02	2.04E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	528	2	0.5	2.28E-02	2.42E+00	4.52E-01	1.17E-02	1.89E+02	2.04E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.29E+03	7.86E-02	2.06E-01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	2945	11	0.5	2.24E-02	2.39E+00	4.58E-01	1.14E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	26	0	0.5	2.24E-02	2.39E+00	4.58E-01	1.14E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	3442	13	0.5	2.24E-02	2.39E+00	4.58E-01	1.14E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	5848.5	22	0.5	2.24E-02	2.39E+00	4.58E-01	1.14E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	2191	8	0.5	2.24E-02	2.39E+00	4.58E-01	1.14E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	2556	10	0.5	2.24E-02	2.39E+00	4.58E-01	1.14E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	3756	14	0.5	2.24E-02	2.39E+00	4.58E-01	1.14E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	3130	12	0.5	2.24E-02	2.39E+00	4.58E-01	1.14E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	0.5	2.24E-02	2.39E+00	4.58E-01	1.14E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	2816	11	0.5	2.24E-02	2.39E+00	4.58E-01	1.14E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	264	1	0.5	2.24E-02	2.39E+00	4.58E-01	1.14E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.27E+03	7.87E-02	2.01E-01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	4185	16	0.5	2.21E-02	2.36E+00	4.64E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	0	0	0.5	2.21E-02	2.36E+00	4.64E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	624	2	0.5	2.21E-02	2.36E+00	4.64E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	4185	16	0.5	2.21E-02	2.36E+00	4.64E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	2191	8	0.5	2.21E-02	2.36E+00	4.64E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	104	0	0.5	2.21E-02	2.36E+00	4.64E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	7512	29	0.5	2.21E-02	2.36E+00	4.64E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	0.5	2.21E-02	2.36E+00	4.64E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	6260	24	0.5	2.21E-02	2.36E+00	4.64E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	0	0	0.5	2.21E-02	2.36E+00	4.64E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	5008	19	0.5	2.21E-02	2.36E+00	4.64E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.24E+03	7.90E-02	1.97E-01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	0	0	0.5	2.17E-02	2.33E+00	4.70E-01	1.09E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	2635	10	0.5	2.17E-02	2.33E+00	4.70E-01	1.09E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	3442	13	0.5	2.17E-02	2.33E+00	4.70E-01	1.09E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	3442	13	0.5	2.17E-02	2.33E+00	4.70E-01	1.09E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	5848.5	22	0.5	2.17E-02	2.33E+00	4.70E-01	1.09E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	2191	8	0.5	2.17E-02	2.33E+00	4.70E-01	1.09E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	2556	10	0.5	2.17E-02	2.33E+00	4.70E-01	1.09E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	3756	14	0.5	2.17E-02	2.33E+00	4.70E-01	1.09E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	1408.5	5	0.5	2.17E-02	2.33E+00	4.70E-01	1.09E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	3130	12	0.5	2.17E-02	2.33E+00	4.70E-01	1.09E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	0	0	0.5	2.17E-02	2.33E+00	4.70E-01	1.09E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.21E+03	7.93E-02	1.93E-01

Daily Emissions

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1705	7	0.5	1.67E-04	1.76E-02	3.20E-03	8.60E-05	1.36E+00	1.48E-04	1.36E+00	1.36E-01	1.41E-04	1.36E-01	9.49E+00	5.64E-04	1.51E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	26	0	0.5	2.54E-06	2.69E-04	4.88E-05	1.31E-06	2.07E-02	2.25E-06	2.07E-02	2.07E-03	2.16E-06	2.07E-03	1.45E-01	8.59E-06	2.30E-05
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	0.5	6.13E-04	6.47E-02	1.17E-02	3.16E-04	4.99E+00	5.42E-04	4.99E+00	4.99E-01	5.19E-04	4.99E-01	3.48E+01	2.07E-03	5.54E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	7512	29	0.5	7.35E-04	7.77E-02	1.41E-02	3.79E-04	5.99E+00	6.51E-04	5.99E+00	5.98E-01	6.23E-04	5.99E-01	4.18E+01	2.48E-03	6.65E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	2191	8	0.5	2.14E-04	2.27E-02	4.11E-03	1.10E-04	1.75E+00	1.90E-04	1.75E+00	1.74E-01	1.82E-04	1.75E-01	1.22E+01	7.24E-04	1.94E-03
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	5008	19	0.5	4.90E-04	5.18E-02	9.39E-03	2.53E-04	4.00E+00	4.34E-04	4.00E+00	3.99E-01	4.15E-04	3.99E-01	2.79E+01	1.66E-03	4.43E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	528	2	0.5	5.17E-05	5.46E-03	9.90E-04	2.66E-05	4.21E-01	4.58E-05	4.21E-01	4.21E-02	4.38E-05	4.21E-02	2.94E+00	1.75E-04	4.67E-04
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	624	2	0.5	6.11E-05	6.45E-03	1.17E-03	3.15E-05	4.98E-01	5.41E-05	4.98E-01	4.97E-02	5.17E-05	4.97E-02	3.47E+00	2.06E-04	5.52E-04
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	1705	7	0.5	1.64E-04	1.74E-02	3.25E-03	8.42E-05	1.36E+00	1.47E-04	1.36E+00	1.36E-01	1.41E-04	1.36E-01	9.31E+00	5.66E-04	1.48E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	52	0	0.5	5.00E-06	5.31E-04	9.93E-05	2.57E-06	4.15E-02	4.48E-06	4.15E-02	4.14E-03	4.29E-06	4.15E-03	2.84E-01	1.73E-05	4.51E-05
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	6260	24	0.5	6.02E-04	6.40E-02	1.19E-02	3.09E-04	4.99E+00	5.40E-04	4.99E+00	4.99E-01	5.16E-04	4.99E-01	3.42E+01	2.08E-03	5.43E-03
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	7512	29	0.5	7.23E-04	7.68E-02	1.43E-02	3.71E-04	5.99E+00	6.48E-04	5.99E+00	5.98E-01	6.20E-04	5.99E-01	4.10E+01	2.49E-03	6.52E-03
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	7512	29	0.5	7.23E-04	7.68E-02	1.43E-02	3.71E-04	5.99E+00	6.48E-04	5.99E+00	5.98E-01	6.20E-04	5.99E-01	4.10E+01	2.49E-03	6.52E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	5008	19	0.5	4.82E-04	5.12E-02	9.56E-03	2.47E-04	4.00E+00	4.32E-04	4.00E+00	3.99E-01	4.13E-04	3.99E-01	2.73E+01	1.66E-03	4.35E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	624	2	0.5	6.00E-05	6.38E-03	1.19E-03	3.08E-05	4.98E-01	5.38E-05	4.98E-01	4.97E-02	5.15E-05	4.97E-02	3.41E+00	2.07E-04	5.42E-04
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	528	2	0.5	5.08E-05	5.40E-03	1.01E-03	2.61E-05	4.21E-01	4.55E-05	4.21E-01	4.21E-02	4.36E-05	4.21E-02	2.88E+00	1.75E-04	4.58E-04
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	2945	11	0.5	2.78E-04	2.97E-02	5.70E-03	1.42E-04	2.35E+00	2.52E-04	2.35E+00	2.35E-01	2.41E-04	2.35E-01	1.57E+01	9.79E-04	2.50E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	26	0	0.5	2.46E-06	2.62E-04	5.03E-05	1.26E-06	2.07E-02	2.23E-06	2.07E-02	2.07E-03	2.13E-06	2.07E-03	1.39E-01	8.64E-06	2.21E-05
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	3442	13	0.5	3.25E-04	3.47E-02	6.66E-03	1.66E-04	2.75E+00	2.95E-04	2.75E+00	2.74E-01	2.82E-04	2.74E-01	1.84E+01	1.14E-03	2.93E-03
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	5848.5	22	0.5	5.53E-04	5.90E-02	1.13E-02	2.83E-04	4.67E+00	5.01E-04	4.67E+00	4.66E-01	4.79E-04	4.66E-01	3.13E+01	1.94E-03	4.97E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	2191	8	0.5	2.07E-04	2.21E-02	4.24E-03	1.06E-04	1.75E+00	1.88E-04	1.75E+00	1.74E-01	1.80E-04	1.75E-01	1.17E+01	7.28E-04	1.86E-03
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	2556	10	0.5	2.42E-04	2.58E-02	4.95E-03	1.24E-04	2.04E+00	2.19E-04	2.04E+00	2.04E-01	2.09E-04	2.04E-01	1.37E+01	8.49E-04	2.17E-03
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	3756	14	0.5	3.55E-04	3.79E-02	7.27E-03	1.82E-04	3.00E+00	3.22E-04	3.00E+00	2.99E-01	3.08E-04	2.99E-01	2.01E+01	1.25E-03	3.19E-03
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	3130	12	0.5	2.96E-04	3.16E-02	6.06E-03	1.51E-04	2.50E+00	2.68E-04	2.50E+00	2.49E-01	2.57E-04	2.50E-01	1.67E+01	1.04E-03	2.66E-03
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	2816	11	0.5	2.66E-04	2.84E-02	5.45E-03	1.36E-04	2.25E+00	2.41E-04	2.25E+00	2.24E-01	2.31E-04	2.25E-01	1.51E+01	9.36E-04	2.39E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	264	1	0.5	2.50E-05	2.66E-03	5.11E-04	1.28E-05	2.11E-01	2.26E-05	2.11E-01	2.10E-02	2.16E-05	2.10E-02	1.41E+00	8.77E-05	2.25E-04
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	4185	16	0.5	3.91E-04	4.19E-02	8.24E-03	1.99E-04	3.35E+00	3.57E-04	3.35E+00	3.35E-01	3.42E-04	3.35E-01	2.20E+01	1.40E-03	3.50E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	624	2	0.5	5.83E-05	6.25E-03	1.23E-03	2.96E-05	5.00E-01	5.33E-05	5.00E-01	4.99E-02	5.10E-05	4.99E-02	3.28E+00	2.09E-04	5.22E-04
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	4185	16	0.5	3.91E-04	4.19E-02	8.24E-03	1.99E-04	3.35E+00	3.57E-04	3.35E+00	3.35E-01	3.42E-04	3.35E-01	2.20E+01	1.40E-03	3.50E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	2191	8	0.5	2.05E-04	2.19E-02	4.31E-03	1.04E-04	1.75E+00	1.87E-04	1.75E+00	1.75E-01	1.79E-04	1.75E-01	1.15E+01	7.34E-04	1.83E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	104	0	0.5	9.72E-06	1.04E-03	2.05E-04	4.94E-06	8.33E-02	8.88E-06	8.33E-02	8.31E-03	8.49E-06	8.32E-03	5.46E-01	3.48E-05	8.70E-05
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	7512	29	0.5	7.02E-04	7.52E-02	1.48E-02	3.56E-04	6.02E+00	6.41E-04	6.02E+00	6.01E-01	6.13E-04	6.01E-01	3.95E+01	2.52E-03	6.28E-03
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	6260	24	0.5	5.85E-04	6.27E-02	1.23E-02	2.97E-04	5.01E+00	5.34E-04	5.01E+00	5.00E-01	5.11E-04	5.01E-01	3.29E+01	2.10E-03	5.24E-03
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	5008	19	0.5	4.68E-04	5.01E-02	9.86E-03	2.38E-04	4.01E+00	4.27E-04	4.01E+00	4.00E-01	4.09E-04	4.01E-01	2.63E+01	1.68E-03	4.19E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	2635	10	0.5	2.42E-04	2.60E-02	5.23E-03	1.22E-04	2.10E+00	2.22E-04	2.10E+00	2.10E-01	2.12E-04	2.10E-01	1.35E+01	8.83E-04	2.15E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	3442	13	0.5	3.16E-04	3.39E-02	6.83E-03	1.59E-04	2.75E+00	2.90E-04	2.75E+00	2.74E-01	2.78E-04	2.74E-01	1.76E+01	1.15E-03	2.81E-03
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	3442	13	0.5	3.16E-04	3.39E-02	6.83E-03	1.59E-04	2.75E+00	2.90E-04	2.75E+00	2.74E-01	2.78E-04	2.74E-01	1.76E+01	1.15E-03	2.81E-03
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	5848.5	22	0.5	5.37E-04	5.76E-02	1.16E-02	2.70E-04	4.67E+00	4.93E-04	4.67E+00	4.66E-01	4.72E-04	4.66E-01	3.00E+01	1.96E-03	4.77E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	2191	8	0.5	2.01E-04	2.16E-02	4.35E-03	1.01E-04	1.75E+00	1.85E-04	1.75E+00	1.74E-01	1.77E-04	1.75E-01	1.12E+01	7.34E-04	1.79E-03
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	2556	10	0.5	2.35E-04	2.52E-02	5.07E-03	1.18E-04	2.04E+00	2.15E-04	2.04E+00	2.04E-01	2.06E-04	2.04E-01	1.31E+01	8.56E-04	2.09E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	3756	14	0.5	3.45E-04	3.70E-02	7.46E-03	1.74E-04	3.00E+00	3.17E-04	3.00E+00	2.99E-01	3.03E-04	2.99E-01	1.93E+01	1.26E-03	3.06E-03
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	1408.5	5	0.5	1.29E-04	1.39E-02	2.80E-03	6.51E-05	1.12E+00	1.19E-04	1.12E+00	1.12E-01	1.14E-04	1.12E-01	7.22E+00	4.72E-04	1.15E-03
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	3130	12	0.5	2.87E-04	3.08E-02	6.21E-03	1.45E-04	2.50E+00	2.64E-04	2.50E+00	2.49E-01	2.52E-04	2.50E-01	1.60E+01	1.05E-03	2.55E-03
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
								MT/yr			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1705	7	0.5	261	1.12E+00	6.67E-05	1.79E-04	1.18E+00
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	26	0	0.5	261	1.71E-02	1.02E-06	2.72E-06	1.80E-02
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	0.5	261	4.12E+00	2.45E-04	6.56E-04	4.33E+00
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	0	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	7512	29	0.5	261	4.95E+00	2.94E-04	7.87E-04	5.19E+00
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	2191	8	0.5	261	1.44E+00	8.57E-05	2.30E-04	1.51E+00
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	5008	19	0.5	261	3.30E+00	1.96E-04	5.25E-04	3.46E+00
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	528	2	0.5	261	3.48E-01	2.07E-05	5.53E-05	3.65E-01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	624	2	0.5	261	4.11E-01	2.44E-05	6.54E-05	4.31E-01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	1705	7	0.5	261	1.10E+00	6.70E-05	1.75E-04	1.16E+00
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	52	0	0.5	261	3.36E-02	2.04E-06	5.34E-06	3.52E-02
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	6260	24	0.5	261	4.04E+00	2.46E-04	6.43E-04	4.24E+00
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	7512	29	0.5	261	4.85E+00	2.95E-04	7.72E-04	5.09E+00
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	7512	29	0.5	261	4.85E+00	2.95E-04	7.72E-04	5.09E+00
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	5008	19	0.5	261	3.24E+00	1.97E-04	5.15E-04	3.39E+00
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	0	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	0	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	624	2	0.5	261	4.03E-01	2.45E-05	6.41E-05	4.23E-01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	528	2	0.5	261	3.41E-01	2.08E-05	5.43E-05	3.58E-01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	2945	11	0.5	261	1.86E+00	1.16E-04	2.97E-04	1.95E+00
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	26	0	0.5	261	1.65E-02	1.02E-06	2.62E-06	1.73E-02
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	3442	13	0.5	261	2.18E+00	1.35E-04	3.47E-04	2.28E+00
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	5848.5	22	0.5	261	3.70E+00	2.30E-04	5.89E-04	3.88E+00
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	2191	8	0.5	261	1.39E+00	8.62E-05	2.21E-04	1.45E+00
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	2556	10	0.5	261	1.62E+00	1.01E-04	2.57E-04	1.70E+00
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	3756	14	0.5	261	2.38E+00	1.48E-04	3.78E-04	2.49E+00
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	3130	12	0.5	261	1.98E+00	1.23E-04	3.15E-04	2.08E+00
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	2816	11	0.5	261	1.78E+00	1.11E-04	2.84E-04	1.87E+00
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	264	1	0.5	261	1.67E-01	1.04E-05	2.66E-05	1.75E-01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	4185	16	0.5	260	2.59E+00	1.65E-04	4.13E-04	2.72E+00
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	624	2	0.5	260	3.87E-01	2.46E-05	6.15E-05	4.06E-01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	4185	16	0.5	260	2.59E+00	1.65E-04	4.13E-04	2.72E+00
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	2191	8	0.5	260	1.36E+00	8.65E-05	2.16E-04	1.42E+00
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	104	0	0.5	260	6.44E-02	4.11E-06	1.03E-05	6.76E-02
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	7512	29	0.5	260	4.65E+00	2.97E-04	7.41E-04	4.88E+00
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	6260	24	0.5	260	3.88E+00	2.47E-04	6.17E-04	4.07E+00
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	5008	19	0.5	260	3.10E+00	1.98E-04	4.94E-04	3.26E+00
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	0	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	2635	10	0.5	261	1.60E+00	1.05E-04	2.55E-04	1.68E+00
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	3442	13	0.5	261	2.09E+00	1.37E-04	3.33E-04	2.19E+00
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	3442	13	0.5	261	2.09E+00	1.37E-04	3.33E-04	2.19E+00
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	5848.5	22	0.5	261	3.55E+00	2.32E-04	5.65E-04	3.72E+00
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	2191	8	0.5	261	1.33E+00	8.69E-05	2.12E-04	1.39E+00
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	2556	10	0.5	261	1.55E+00	1.01E-04	2.47E-04	1.63E+00
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	3756	14	0.5	261	2.28E+00	1.49E-04	3.63E-04	2.39E+00
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	1408.5	5	0.5	261	8.55E-01	5.59E-05	1.36E-04	8.97E-01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	3130	12	0.5	261	1.90E+00	1.24E-04	3.02E-04	1.99E+00
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	0	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Haul Idling Emission Factors

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission Factor (g/min)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1705	7	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	26	0	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	0	0	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	7512	29	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	2191	8	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	5008	19	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	528	2	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	624	2	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	1705	7	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	52	0	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	6260	24	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	7512	29	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	7512	29	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	5008	19	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	0	0	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	0	0	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	624	2	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	528	2	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	2945	11	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	26	0	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	3442	13	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	5848.5	22	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	2191	8	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	2556	10	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	3756	14	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	3130	12	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	2816	11	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	264	1	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	4185	16	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	0	0	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	624	2	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	4185	16	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	2191	8	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	104	0	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	7512	29	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	6260	24	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	0	0	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	5008	19	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	0	0	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	2635	10	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	3442	13	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	3442	13	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	5848.5	22	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	2191	8	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	2556	10	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	3756	14	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	1408.5	5	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	3130	12	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	0	0	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02

							Daily Emissions													
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1705	7	15	4.05E-03	5.17E-02	6.24E-02	9.03E-05	0.00E+00	2.50E-05	2.50E-05	0.00E+00	2.40E-05	2.40E-05	9.95E+00	3.56E-04	4.78E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	26	0	15	6.18E-05	7.88E-04	9.51E-04	1.38E-06	0.00E+00	3.82E-07	3.82E-07	0.00E+00	3.65E-07	3.65E-07	1.52E-01	5.44E-06	7.30E-05
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	15	1.49E-02	1.90E-01	2.29E-01	3.32E-04	0.00E+00	9.19E-05	9.19E-05	0.00E+00	8.79E-05	8.79E-05	3.66E+01	1.31E-03	1.76E-02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	7512	29	15	1.79E-02	2.28E-01	2.75E-01	3.98E-04	0.00E+00	1.10E-04	1.10E-04	0.00E+00	1.06E-04	1.06E-04	4.39E+01	1.57E-03	2.11E-02
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	2191	8	15	5.21E-03	6.64E-02	8.02E-02	1.16E-04	0.00E+00	3.22E-05	3.22E-05	0.00E+00	3.08E-05	3.08E-05	1.28E+01	4.58E-04	6.15E-03
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	5008	19	15	1.19E-02	1.52E-01	1.83E-01	2.65E-04	0.00E+00	7.35E-05	7.35E-05	0.00E+00	7.04E-05	7.04E-05	2.92E+01	1.05E-03	1.41E-02
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	528	2	15	1.26E-03	1.60E-02	1.93E-02	2.80E-05	0.00E+00	7.75E-06	7.75E-06	0.00E+00	7.42E-06	7.42E-06	3.08E+00	1.10E-04	1.48E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	624	2	15	1.48E-03	1.89E-02	2.28E-02	3.31E-05	0.00E+00	9.16E-06	9.16E-06	0.00E+00	8.77E-06	8.77E-06	3.64E+00	1.30E-04	1.75E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	1705	7	15	4.05E-03	5.16E-02	6.25E-02	8.87E-05	0.00E+00	2.42E-05	2.42E-05	0.00E+00	2.32E-05	2.32E-05	9.79E+00	3.60E-04	4.78E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	52	0	15	1.23E-04	1.57E-03	1.90E-03	2.71E-06	0.00E+00	7.38E-07	7.38E-07	0.00E+00	7.06E-07	7.06E-07	2.99E-01	1.10E-05	1.46E-04
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	6260	24	15	1.49E-02	1.89E-01	2.29E-01	3.26E-04	0.00E+00	8.89E-05	8.89E-05	0.00E+00	8.50E-05	8.50E-05	3.60E+01	1.32E-03	1.76E-02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	7512	29	15	1.78E-02	2.27E-01	2.75E-01	3.91E-04	0.00E+00	1.07E-04	1.07E-04	0.00E+00	1.02E-04	1.02E-04	4.31E+01	1.58E-03	2.11E-02
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	7512	29	15	1.78E-02	2.27E-01	2.75E-01	3.91E-04	0.00E+00	1.07E-04	1.07E-04	0.00E+00	1.02E-04	1.02E-04	4.31E+01	1.58E-03	2.11E-02
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	5008	19	15	1.19E-02	1.51E-01	1.83E-01	2.61E-04	0.00E+00	7.11E-05	7.11E-05	0.00E+00	6.80E-05	6.80E-05	2.88E+01	1.06E-03	1.40E-02
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	624	2	15	1.48E-03	1.89E-02	2.29E-02	3.25E-05	0.00E+00	8.86E-06	8.86E-06	0.00E+00	8.47E-06	8.47E-06	3.58E+00	1.32E-04	1.75E-03
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	528	2	15	1.25E-03	1.60E-02	1.93E-02	2.75E-05	0.00E+00	7.49E-06	7.49E-06	0.00E+00	7.17E-06	7.17E-06	3.03E+00	1.11E-04	1.48E-03
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	2945	11	15	6.98E-03	8.89E-02	1.08E-01	1.50E-04	0.00E+00	4.05E-05	4.05E-05	0.00E+00	3.87E-05	3.87E-05	1.66E+01	6.27E-04	8.25E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	26	0	15	6.17E-05	7.85E-04	9.53E-04	1.33E-06	0.00E+00	3.58E-07	3.58E-07	0.00E+00	3.42E-07	3.42E-07	1.47E-01	5.53E-06	7.29E-05
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	3442	13	15	8.16E-03	1.04E-01	1.26E-01	1.76E-04	0.00E+00	4.73E-05	4.73E-05	0.00E+00	4.53E-05	4.53E-05	1.94E+01	7.32E-04	9.65E-03
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	5848.5	22	15	1.39E-02	1.77E-01	2.14E-01	2.99E-04	0.00E+00	8.04E-05	8.04E-05	0.00E+00	7.69E-05	7.69E-05	3.30E+01	1.24E-03	1.64E-02
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	2191	8	15	5.20E-03	6.61E-02	8.03E-02	1.12E-04	0.00E+00	3.01E-05	3.01E-05	0.00E+00	2.88E-05	2.88E-05	1.24E+01	4.66E-04	6.14E-03
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	2556	10	15	6.06E-03	7.71E-02	9.37E-02	1.31E-04	0.00E+00	3.51E-05	3.51E-05	0.00E+00	3.36E-05	3.36E-05	1.44E+01	5.44E-04	7.16E-03
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	3756	14	15	8.91E-03	1.13E-01	1.38E-01	1.92E-04	0.00E+00	5.16E-05	5.16E-05	0.00E+00	4.94E-05	4.94E-05	2.12E+01	7.99E-04	1.05E-02
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	3130	12	15	7.42E-03	9.45E-02	1.15E-01	1.60E-04	0.00E+00	4.30E-05	4.30E-05	0.00E+00	4.12E-05	4.12E-05	1.77E+01	6.66E-04	8.77E-03
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	2816	11	15	6.68E-03	8.50E-02	1.03E-01	1.44E-04	0.00E+00	3.87E-05	3.87E-05	0.00E+00	3.70E-05	3.70E-05	1.59E+01	5.99E-04	7.89E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	264	1	15	6.26E-04	7.97E-03	9.68E-03	1.35E-05	0.00E+00	3.63E-06	3.63E-06	0.00E+00	3.47E-06	3.47E-06	1.49E+00	5.62E-05	7.40E-04
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	4185	16	15	9.95E-03	1.27E-01	1.54E-01	2.10E-04	0.00E+00	5.62E-05	5.62E-05	0.00E+00	5.38E-05	5.38E-05	2.33E+01	9.03E-04	1.18E-02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	624	2	15	1.48E-03	1.89E-02	2.30E-02	3.14E-05	0.00E+00	8.39E-06	8.39E-06	0.00E+00	8.02E-06	8.02E-06	3.47E+00	1.35E-04	1.75E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	4185	16	15	9.95E-03	1.27E-01	1.54E-01	2.10E-04	0.00E+00	5.62E-05	5.62E-05	0.00E+00	5.38E-05	5.38E-05	2.33E+01	9.03E-04	1.18E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	2191	8	15	5.21E-03	6.63E-02	8.07E-02	1.10E-04	0.00E+00	2.94E-05	2.94E-05	0.00E+00	2.82E-05	2.82E-05	1.22E+01	4.73E-04	6.16E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	104	0	15	2.47E-04	3.15E-03	3.83E-03	5.23E-06	0.00E+00	1.40E-06	1.40E-06	0.00E+00	1.34E-06	1.34E-06	5.79E-01	2.24E-05	2.92E-04
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	7512	29	15	1.79E-02	2.27E-01	2.77E-01	3.78E-04	0.00E+00	1.01E-04	1.01E-04	0.00E+00	9.66E-05	9.66E-05	4.18E+01	1.62E-03	2.11E-02
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	6260	24	15	1.49E-02	1.89E-01	2.31E-01	3.15E-04	0.00E+00	8.41E-05	8.41E-05	0.00E+00	8.05E-05	8.05E-05	3.48E+01	1.35E-03	1.76E-02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	5008	19	15	1.19E-02	1.51E-01	1.84E-01	2.52E-04	0.00E+00	6.73E-05	6.73E-05	0.00E+00	6.44E-05	6.44E-05	2.79E+01	1.08E-03	1.41E-02
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	2635	10	15	6.23E-03	7.92E-02	9.67E-02	1.29E-04	0.00E+00	3.43E-05	3.43E-05	0.00E+00	3.28E-05	3.28E-05	1.43E+01	5.72E-04	7.38E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	3442	13	15	8.14E-03	1.04E-01	1.26E-01	1.69E-04	0.00E+00	4.48E-05	4.48E-05	0.00E+00	4.29E-05	4.29E-05	1.87E+01	7.47E-04	9.64E-03
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	3442	13	15	8.14E-03	1.04E-01	1.26E-01	1.69E-04	0.00E+00	4.48E-05	4.48E-05	0.00E+00	4.29E-05	4.29E-05	1.87E+01	7.47E-04	9.64E-03
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	5848.5	22	15	1.38E-02	1.76E-01	2.15E-01	2.87E-04	0.00E+00	7.62E-05	7.62E-05	0.00E+00	7.29E-05	7.29E-05	3.18E+01	1.27E-03	1.64E-02
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	2191	8	15	5.18E-03	6.59E-02	8.04E-02	1.08E-04	0.00E+00	2.85E-05	2.85E-05	0.00E+00	2.73E-05	2.73E-05	1.19E+01	4.75E-04	6.13E-03
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	2556	10	15	6.04E-03	7.69E-02	9.38E-02	1.25E-04	0.00E+00	3.33E-05	3.33E-05	0.00E+00	3.19E-05	3.19E-05	1.39E+01	5.54E-04	7.16E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	3756	14	15	8.88E-03	1.13E-01	1.38E-01	1.84E-04	0.00E+00	4.89E-05	4.89E-05	0.00E+00	4.68E-05	4.68E-05	2.04E+01	8.15E-04	1.05E-02
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	1408.5	5	15	3.33E-03	4.24E-02	5.17E-02	6.92E-05	0.00E+00	1.83E-05	1.83E-05	0.00E+00	1.76E-05	1.76E-05	7.67E+00	3.06E-04	3.94E-03
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	3130	12	15	7.40E-03	9.41E-02	1.15E-01	1.54E-04	0.00E+00	4.08E-05	4.08E-05	0.00E+00	3.90E-05	3.90E-05	1.70E+01	6.79E-04	8.76E-03
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
								MT/yr			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1705	7	15	261	1.18E+00	4.22E-05	5.66E-04	1.35E+00
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	26	0	15	261	1.80E-02	6.44E-07	8.64E-06	2.06E-02
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	15	261	4.33E+00	1.55E-04	2.08E-03	4.95E+00
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	7512	29	15	261	5.19E+00	1.86E-04	2.50E-03	5.94E+00
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	2191	8	15	261	1.51E+00	5.42E-05	7.28E-04	1.73E+00
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	5008	19	15	261	3.46E+00	1.24E-04	1.66E-03	3.96E+00
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	528	2	15	261	3.65E-01	1.31E-05	1.75E-04	4.18E-01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	624	2	15	261	4.31E-01	1.54E-05	2.07E-04	4.93E-01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	1705	7	15	261	1.16E+00	4.26E-05	5.66E-04	1.33E+00
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	52	0	15	261	3.54E-02	1.30E-06	1.73E-05	4.05E-02
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	6260	24	15	261	4.26E+00	1.56E-04	2.08E-03	4.88E+00
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	7512	29	15	261	5.11E+00	1.88E-04	2.49E-03	5.86E+00
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	7512	29	15	261	5.11E+00	1.88E-04	2.49E-03	5.86E+00
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	5008	19	15	261	3.41E+00	1.25E-04	1.66E-03	3.90E+00
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	624	2	15	261	4.24E-01	1.56E-05	2.07E-04	4.86E-01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	528	2	15	261	3.59E-01	1.32E-05	1.75E-04	4.12E-01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	2945	11	15	261	1.97E+00	7.42E-05	9.77E-04	2.26E+00
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	26	0	15	261	1.74E-02	6.55E-07	8.63E-06	2.00E-02
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	3442	13	15	261	2.30E+00	8.67E-05	1.14E-03	2.64E+00
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	5848.5	22	15	261	3.91E+00	1.47E-04	1.94E-03	4.49E+00
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	2191	8	15	261	1.46E+00	5.52E-05	7.27E-04	1.68E+00
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	2556	10	15	261	1.71E+00	6.44E-05	8.48E-04	1.96E+00
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	3756	14	15	261	2.51E+00	9.46E-05	1.25E-03	2.88E+00
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	3130	12	15	261	2.09E+00	7.88E-05	1.04E-03	2.40E+00
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	2816	11	15	261	1.88E+00	7.09E-05	9.34E-04	2.16E+00
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	264	1	15	261	1.76E-01	6.65E-06	8.76E-05	2.03E-01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	4185	16	15	260	2.75E+00	1.06E-04	1.39E-03	3.16E+00
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	624	2	15	260	4.10E-01	1.59E-05	2.07E-04	4.72E-01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	4185	16	15	260	2.75E+00	1.06E-04	1.39E-03	3.16E+00
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	2191	8	15	260	1.44E+00	5.57E-05	7.27E-04	1.66E+00
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	104	0	15	260	6.83E-02	2.65E-06	3.45E-05	7.86E-02
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	7512	29	15	260	4.93E+00	1.91E-04	2.49E-03	5.68E+00
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	6260	24	15	260	4.11E+00	1.59E-04	2.08E-03	4.73E+00
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	5008	19	15	260	3.29E+00	1.27E-04	1.66E-03	3.79E+00
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	2635	10	15	261	1.70E+00	6.77E-05	8.73E-04	1.96E+00
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	3442	13	15	261	2.22E+00	8.84E-05	1.14E-03	2.56E+00
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	3442	13	15	261	2.22E+00	8.84E-05	1.14E-03	2.56E+00
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	5848.5	22	15	261	3.77E+00	1.50E-04	1.94E-03	4.35E+00
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	2191	8	15	261	1.41E+00	5.63E-05	7.26E-04	1.63E+00
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	2556	10	15	261	1.65E+00	6.56E-05	8.47E-04	1.90E+00
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	3756	14	15	261	2.42E+00	9.65E-05	1.24E-03	2.79E+00
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	1408.5	5	15	261	9.08E-01	3.62E-05	4.67E-04	1.05E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	3130	12	15	261	2.02E+00	8.04E-05	1.04E-03	2.33E+00
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Haul Starting Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (ln/Out)	Daily Haul Trips (ln/Out)	Idle Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission Factor (g/min)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1705	7	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	26	0	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	0	0	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	7512	29	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	2191	8	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	5008	19	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	528	2	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	624	2	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	1705	7	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	52	0	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	6260	24	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	7512	29	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	7512	29	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	5008	19	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	0	0	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	0	0	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	624	2	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	528	2	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	2945	11	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	26	0	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	3442	13	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	5848.5	22	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	2191	8	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	2556	10	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	3756	14	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	3130	12	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	2816	11	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	264	1	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	4185	16	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	0	0	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	624	2	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	4185	16	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	2191	8	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	104	0	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	7512	29	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	6260	24	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	0	0	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	5008	19	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	0	0	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	2635	10	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	3442	13	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	3442	13	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	5848.5	22	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	2191	8	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	2556	10	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	3756	14	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	1408.5	5	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	3130	12	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	0	0	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1705	7	15	5.30E-06	1.72E-02	4.68E-05	3.92E-09	0.00E+00	5.61E-09	5.61E-09	0.00E+00	5.16E-09	5.16E-09	3.96E-04	2.71E-09	7.71E-08
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	26	0	15	8.09E-08	2.62E-04	7.13E-07	5.97E-11	0.00E+00	8.56E-11	8.56E-11	0.00E+00	7.87E-11	7.87E-11	6.04E-06	4.14E-11	1.18E-09
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	15	1.95E-05	6.30E-02	1.72E-04	1.44E-08	0.00E+00	2.06E-08	2.06E-08	0.00E+00	1.90E-08	1.90E-08	1.45E-03	9.97E-09	2.83E-07
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	7512	29	15	2.34E-05	7.56E-02	2.06E-04	1.73E-08	0.00E+00	2.47E-08	2.47E-08	0.00E+00	2.27E-08	2.27E-08	1.74E-03	1.20E-08	3.40E-07
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	2191	8	15	6.82E-06	2.21E-02	6.01E-05	5.03E-09	0.00E+00	7.21E-09	7.21E-09	0.00E+00	6.63E-09	6.63E-09	5.09E-04	3.49E-09	9.91E-08
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	5008	19	15	1.56E-05	5.04E-02	1.37E-04	1.15E-08	0.00E+00	1.65E-08	1.65E-08	0.00E+00	1.52E-08	1.52E-08	1.16E-03	7.97E-09	2.27E-07
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	528	2	15	1.64E-06	5.32E-03	1.45E-05	1.21E-09	0.00E+00	1.74E-09	1.74E-09	0.00E+00	1.60E-09	1.60E-09	1.23E-04	8.41E-10	2.39E-08
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	624	2	15	1.94E-06	6.28E-03	1.71E-05	1.43E-09	0.00E+00	2.05E-09	2.05E-09	0.00E+00	1.89E-09	1.89E-09	1.45E-04	9.93E-10	2.82E-08
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	1705	7	15	4.28E-06	1.72E-02	4.41E-05	3.72E-09	0.00E+00	4.76E-09	4.76E-09	0.00E+00	4.37E-09	4.37E-09	3.76E-04	2.70E-09	4.93E-08
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	52	0	15	1.30E-07	5.23E-04	1.35E-06	1.14E-10	0.00E+00	1.45E-10	1.45E-10	0.00E+00	1.33E-10	1.33E-10	1.15E-05	8.23E-11	1.50E-09
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	6260	24	15	1.57E-05	6.30E-02	1.62E-04	1.37E-08	0.00E+00	1.75E-08	1.75E-08	0.00E+00	1.61E-08	1.61E-08	1.38E-03	9.91E-09	1.81E-07
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	7512	29	15	1.88E-05	7.56E-02	1.94E-04	1.64E-08	0.00E+00	2.10E-08	2.10E-08	0.00E+00	1.93E-08	1.93E-08	1.66E-03	1.19E-08	2.17E-07
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	7512	29	15	1.88E-05	7.56E-02	1.94E-04	1.64E-08	0.00E+00	2.10E-08	2.10E-08	0.00E+00	1.93E-08	1.93E-08	1.66E-03	1.19E-08	2.17E-07
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	5008	19	15	1.26E-05	5.04E-02	1.30E-04	1.09E-08	0.00E+00	1.40E-08	1.40E-08	0.00E+00	1.28E-08	1.28E-08	1.11E-03	7.93E-09	1.45E-07
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	624	2	15	1.57E-06	6.28E-03	1.61E-05	1.36E-09	0.00E+00	1.74E-09	1.74E-09	0.00E+00	1.60E-09	1.60E-09	1.38E-04	9.88E-10	1.80E-08
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	528	2	15	1.32E-06	5.31E-03	1.37E-05	1.15E-09	0.00E+00	1.47E-09	1.47E-09	0.00E+00	1.35E-09	1.35E-09	1.17E-04	8.36E-10	1.53E-08
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	2945	11	15	6.48E-06	2.96E-02	7.68E-05	6.34E-09	0.00E+00	7.63E-09	7.63E-09	0.00E+00	7.02E-09	7.02E-09	6.41E-04	4.62E-09	7.19E-08
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	26	0	15	5.72E-08	2.62E-04	6.78E-07	5.60E-11	0.00E+00	6.74E-11	6.74E-11	0.00E+00	6.19E-11	6.19E-11	5.66E-06	4.08E-11	6.35E-10
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	3442	13	15	7.57E-06	3.46E-02	8.98E-05	7.41E-09	0.00E+00	8.92E-09	8.92E-09	0.00E+00	8.20E-09	8.20E-09	7.49E-04	5.40E-09	8.40E-08
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	5848.5	22	15	1.29E-05	5.89E-02	1.53E-04	1.26E-08	0.00E+00	1.52E-08	1.52E-08	0.00E+00	1.39E-08	1.39E-08	1.27E-03	9.18E-09	1.43E-07
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	2191	8	15	4.82E-06	2.20E-02	5.71E-05	4.72E-09	0.00E+00	5.68E-09	5.68E-09	0.00E+00	5.22E-09	5.22E-09	4.77E-04	3.44E-09	5.35E-08
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	2556	10	15	5.62E-06	2.57E-02	6.67E-05	5.50E-09	0.00E+00	6.62E-09	6.62E-09	0.00E+00	6.09E-09	6.09E-09	5.56E-04	4.01E-09	6.24E-08
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	3756	14	15	8.26E-06	3.78E-02	9.80E-05	8.09E-09	0.00E+00	9.73E-09	9.73E-09	0.00E+00	8.95E-09	8.95E-09	8.17E-04	5.89E-09	9.17E-08
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	3130	12	15	6.89E-06	3.15E-02	8.16E-05	6.74E-09	0.00E+00	8.11E-09	8.11E-09	0.00E+00	7.46E-09	7.46E-09	6.81E-04	4.91E-09	7.64E-08
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	2816	11	15	6.20E-06	2.83E-02	7.35E-05	6.06E-09	0.00E+00	7.30E-09	7.30E-09	0.00E+00	6.71E-09	6.71E-09	6.13E-04	4.42E-09	6.88E-08
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	264	1	15	5.81E-07	2.66E-03	6.89E-06	5.69E-10	0.00E+00	6.84E-10	6.84E-10	0.00E+00	6.29E-10	6.29E-10	5.75E-05	4.14E-10	6.45E-09
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	4185	16	15	8.45E-06	4.23E-02	1.09E-04	9.02E-09	0.00E+00	1.06E-08	1.06E-08	0.00E+00	9.75E-09	9.75E-09	9.11E-04	6.57E-09	8.57E-08
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	624	2	15	1.26E-06	6.30E-03	1.63E-05	1.34E-09	0.00E+00	1.58E-09	1.58E-09	0.00E+00	1.45E-09	1.45E-09	1.36E-04	9.80E-10	1.28E-08
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	4185	16	15	8.45E-06	4.23E-02	1.09E-04	9.02E-09	0.00E+00	1.06E-08	1.06E-08	0.00E+00	9.75E-09	9.75E-09	9.11E-04	6.57E-09	8.57E-08
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	2191	8	15	4.42E-06	2.21E-02	5.73E-05	4.72E-09	0.00E+00	5.55E-09	5.55E-09	0.00E+00	5.10E-09	5.10E-09	4.77E-04	3.44E-09	4.49E-08
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	104	0	15	2.10E-07	1.05E-03	2.72E-06	2.24E-10	0.00E+00	2.64E-10	2.64E-10	0.00E+00	2.42E-10	2.42E-10	2.27E-05	1.63E-10	2.13E-09
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	7512	29	15	1.52E-05	7.59E-02	1.96E-04	1.62E-08	0.00E+00	1.90E-08	1.90E-08	0.00E+00	1.75E-08	1.75E-08	1.64E-03	1.18E-08	1.54E-07
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	6260	24	15	1.26E-05	6.32E-02	1.64E-04	1.35E-08	0.00E+00	1.59E-08	1.59E-08	0.00E+00	1.46E-08	1.46E-08	1.36E-03	9.83E-09	1.28E-07
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	5008	19	15	1.01E-05	5.06E-02	1.31E-04	1.08E-08	0.00E+00	1.27E-08	1.27E-08	0.00E+00	1.17E-08	1.17E-08	1.09E-03	7.86E-09	1.03E-07
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	2635	10	15	4.74E-06	2.65E-02	6.84E-05	5.63E-09	0.00E+00	6.32E-09	6.32E-09	0.00E+00	5.81E-09	5.81E-09	5.69E-04	4.11E-09	4.53E-08
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	3442	13	15	6.19E-06	3.47E-02	8.94E-05	7.35E-09	0.00E+00	8.25E-09	8.25E-09	0.00E+00	7.59E-09	7.59E-09	7.43E-04	5.36E-09	5.92E-08
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	3442	13	15	6.19E-06	3.47E-02	8.94E-05	7.35E-09	0.00E+00	8.25E-09	8.25E-09	0.00E+00	7.59E-09	7.59E-09	7.43E-04	5.36E-09	5.92E-08
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	5848.5	22	15	1.05E-05	5.89E-02	1.52E-04	1.25E-08	0.00E+00	1.40E-08	1.40E-08	0.00E+00	1.29E-08	1.29E-08	1.26E-03	9.11E-09	1.01E-07
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	2191	8	15	3.94E-06	2.21E-02	5.69E-05	4.68E-09	0.00E+00	5.25E-09	5.25E-09	0.00E+00	4.83E-09	4.83E-09	4.73E-04	3.41E-09	3.77E-08
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	2556	10	15	4.60E-06	2.57E-02	6.64E-05	5.46E-09	0.00E+00	6.13E-09	6.13E-09	0.00E+00	5.63E-09	5.63E-09	5.52E-04	3.98E-09	4.40E-08
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	3756	14	15	6.75E-06	3.78E-02	9.75E-05	8.02E-09	0.00E+00	9.00E-09	9.00E-09	0.00E+00	8.28E-09	8.28E-09	8.11E-04	5.85E-09	6.46E-08
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	1408.5	5	15	2.53E-06	1.42E-02	3.66E-05	3.01E-09	0.00E+00	3.38E-09	3.38E-09	0.00E+00	3.10E-09	3.10E-09	3.04E-04	2.19E-09	2.42E-08
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	3130	12	15	5.63E-06	3.15E-02	8.13E-05	6.69E-09	0.00E+00	7.50E-09	7.50E-09	0.00E+00	6.90E-09	6.90E-09	6.76E-04	4.88E-09	5.39E-08
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
								MT/yr			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1705	7	15	261	4.69E-05	3.21E-10	9.13E-09	4.96E-05
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	26	0	15	261	7.15E-07	4.90E-12	1.39E-10	7.56E-07
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	15	261	1.72E-04	1.18E-09	3.35E-08	1.82E-04
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	7512	29	15	261	2.06E-04	1.42E-09	4.02E-08	2.18E-04
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	2191	8	15	261	6.02E-05	4.13E-10	1.17E-08	6.37E-05
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	5008	19	15	261	1.38E-04	9.44E-10	2.68E-08	1.46E-04
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	528	2	15	261	1.45E-05	9.95E-11	2.83E-09	1.54E-05
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	624	2	15	261	1.71E-05	1.18E-10	3.34E-09	1.81E-05
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	1705	7	15	261	4.45E-05	3.19E-10	5.84E-09	4.63E-05
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	52	0	15	261	1.36E-06	9.74E-12	1.78E-10	1.41E-06
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	6260	24	15	261	1.64E-04	1.17E-09	2.14E-08	1.70E-04
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	7512	29	15	261	1.96E-04	1.41E-09	2.57E-08	2.04E-04
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	7512	29	15	261	1.96E-04	1.41E-09	2.57E-08	2.04E-04
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	5008	19	15	261	1.31E-04	9.38E-10	1.71E-08	1.36E-04
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	624	2	15	261	1.63E-05	1.17E-10	2.14E-09	1.69E-05
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	528	2	15	261	1.38E-05	9.89E-11	1.81E-09	1.43E-05
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	2945	11	15	261	7.59E-05	5.47E-10	8.51E-09	7.84E-05
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	26	0	15	261	6.70E-07	4.83E-12	7.52E-11	6.92E-07
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	3442	13	15	261	8.87E-05	6.39E-10	9.95E-09	9.17E-05
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	5848.5	22	15	261	1.51E-04	1.09E-09	1.69E-08	1.56E-04
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	2191	8	15	261	5.64E-05	4.07E-10	6.33E-09	5.83E-05
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	2556	10	15	261	6.59E-05	4.75E-10	7.39E-09	6.81E-05
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	3756	14	15	261	9.68E-05	6.98E-10	1.09E-08	1.00E-04
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	3130	12	15	261	8.06E-05	5.81E-10	9.05E-09	8.34E-05
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	2816	11	15	261	7.26E-05	5.23E-10	8.14E-09	7.50E-05
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	264	1	15	261	6.80E-06	4.90E-11	7.63E-10	7.03E-06
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	4185	16	15	260	1.07E-04	7.75E-10	1.01E-08	1.11E-04
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	624	2	15	260	1.60E-05	1.16E-10	1.51E-09	1.65E-05
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	4185	16	15	260	1.07E-04	7.75E-10	1.01E-08	1.11E-04
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	2191	8	15	260	5.63E-05	4.06E-10	5.29E-09	5.79E-05
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	104	0	15	260	2.67E-06	1.93E-11	2.51E-10	2.75E-06
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	7512	29	15	260	1.93E-04	1.39E-09	1.81E-08	1.98E-04
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	6260	24	15	260	1.61E-04	1.16E-09	1.51E-08	1.65E-04
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	5008	19	15	260	1.29E-04	9.27E-10	1.21E-08	1.32E-04
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	2635	10	15	261	6.73E-05	4.86E-10	5.37E-09	6.89E-05
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	3442	13	15	261	8.79E-05	6.35E-10	7.01E-09	9.01E-05
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	3442	13	15	261	8.79E-05	6.35E-10	7.01E-09	9.01E-05
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	5848.5	22	15	261	1.49E-04	1.08E-09	1.19E-08	1.53E-04
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	2191	8	15	261	5.60E-05	4.04E-10	4.46E-09	5.73E-05
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	2556	10	15	261	6.53E-05	4.72E-10	5.21E-09	6.69E-05
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	3756	14	15	261	9.60E-05	6.93E-10	7.65E-09	9.83E-05
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	1408.5	5	15	261	3.60E-05	2.60E-10	2.87E-09	3.69E-05
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	3130	12	15	261	8.00E-05	5.77E-10	6.38E-09	8.19E-05
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00

OFFSITE Mobile Emissions		CO2	CH4	N2O	CO2e
PhaseName	CalEEMod Phase Name	MT/yr			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	211.30	0.01	0.02	217.54
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	42.17	0.00	0.00	43.03
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	463.30	0.02	0.06	482.00
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	62.40	0.00	0.01	64.47
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	306.39	0.02	0.04	319.41
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	228.18	0.01	0.03	236.89
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	236.18	0.01	0.03	246.38
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	0.00	0.00	0.00	0.00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	69.87	0.00	0.01	72.27
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	106.16	0.00	0.01	109.25
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	68.02	0.00	0.01	70.44
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	206.26	0.01	0.02	212.36
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	41.90	0.00	0.00	42.78
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	453.65	0.02	0.06	471.99
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	299.96	0.02	0.04	312.73
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	299.96	0.02	0.04	312.73
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	231.33	0.01	0.03	241.33
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	68.35	0.00	0.01	70.70
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	61.02	0.00	0.01	63.05
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	0.00	0.00	0.00	0.00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	66.52	0.00	0.01	68.89
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	103.64	0.00	0.01	106.66
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	262.19	0.01	0.03	271.02
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	53.85	0.00	0.01	55.43
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	254.46	0.01	0.03	264.61
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	308.21	0.01	0.04	320.32
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	218.47	0.01	0.03	226.84
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	148.81	0.01	0.02	154.81
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	180.15	0.01	0.02	187.56
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	251.77	0.01	0.03	261.76
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	0.00	0.00	0.00	0.00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	145.72	0.01	0.02	151.78
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	80.43	0.00	0.01	82.91
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	315.29	0.01	0.04	326.74
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	65.19	0.00	0.01	67.44
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	63.48	0.00	0.01	65.75
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	315.29	0.01	0.04	326.74
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	213.32	0.01	0.03	221.51
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	69.43	0.00	0.01	71.58
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	286.97	0.02	0.04	299.23
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	0.00	0.00	0.00	0.00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	433.67	0.02	0.06	451.26
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	0.00	0.00	0.00	0.00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	221.38	0.01	0.03	230.98
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	57.22	0.00	0.01	59.13
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	238.22	0.01	0.03	246.08
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	244.03	0.01	0.03	253.78
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	244.03	0.01	0.03	253.78
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	295.28	0.01	0.04	306.91
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	209.52	0.01	0.03	217.57
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	142.65	0.01	0.02	148.41
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	172.63	0.01	0.02	179.75
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	76.26	0.00	0.01	79.07
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	241.47	0.01	0.03	251.07
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	0.00	0.00	0.00	0.00

2025	1.79E+03	7.37E-02	2.21E-01	1.86E+03
2026	1.83E+03	8.06E-02	2.30E-01	1.90E+03
2027	1.90E+03	8.18E-02	2.38E-01	1.98E+03
2028	1.98E+03	8.87E-02	2.52E-01	2.06E+03
2029	1.92E+03	8.63E-02	2.42E-01	2.00E+03

					Worker Running Emission Factors												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission Factor (g/mile)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	10	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	25	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	15	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	10	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	25	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	10	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	50	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	15	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	40	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	25	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	25	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	15	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	10	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	10	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	10	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	25	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	50	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	12.5	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	25	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	37.5	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	25	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	15	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	17.5	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	25	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	17.5	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	50	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	10	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	10	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	50	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	25	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	15	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	25	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	40	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	15	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	50	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	37.5	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	25	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	15	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	17.5	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	12.5	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	25	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	25	3.30E-02	1.29E-01	2.02E+00	7.32E-03	9.50E-01	4.50E-03	9.54E-01	2.52E-01	4.14E-03	2.56E-01	7.40E+02	8.22E-03	1.35E-02
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	25	9.89E-03	3.87E-02	6.05E-01	2.19E-03	2.85E-01	1.35E-03	2.86E-01	7.55E-02	1.24E-03	7.68E-02	2.22E+02	2.47E-03	4.04E-03
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	25	2.64E-02	1.03E-01	1.61E+00	5.85E-03	7.60E-01	3.60E-03	7.63E-01	2.01E-01	3.31E-03	2.05E-01	5.92E+02	6.58E-03	1.08E-02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	10	25	6.60E-03	2.58E-02	4.03E-01	1.46E-03	1.90E-01	8.99E-04	1.91E-01	5.03E-02	8.28E-04	5.12E-02	1.48E+02	1.64E-03	2.69E-03
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	25	1.65E-02	6.45E-02	1.01E+00	3.66E-03	4.75E-01	2.25E-03	4.77E-01	1.26E-01	2.07E-03	1.28E-01	3.70E+02	4.11E-03	6.73E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	25	25	1.65E-02	6.45E-02	1.01E+00	3.66E-03	4.75E-01	2.25E-03	4.77E-01	1.26E-01	2.07E-03	1.28E-01	3.70E+02	4.11E-03	6.73E-03
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	15	25	9.89E-03	3.87E-02	6.05E-01	2.19E-03	2.85E-01	1.35E-03	2.86E-01	7.55E-02	1.24E-03	7.68E-02	2.22E+02	2.47E-03	4.04E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	10	25	6.60E-03	2.58E-02	4.03E-01	1.46E-03	1.90E-01	8.99E-04	1.91E-01	5.03E-02	8.28E-04	5.12E-02	1.48E+02	1.64E-03	2.69E-03
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	25	25	1.65E-02	6.45E-02	1.01E+00	3.66E-03	4.75E-01	2.25E-03	4.77E-01	1.26E-01	2.07E-03	1.28E-01	3.70E+02	4.11E-03	6.73E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	10	25	6.60E-03	2.58E-02	4.03E-01	1.46E-03	1.90E-01	8.99E-04	1.91E-01	5.03E-02	8.28E-04	5.12E-02	1.48E+02	1.64E-03	2.69E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	50	25	2.91E-02	1.16E-01	1.88E+00	7.09E-03	9.50E-01	4.26E-03	9.54E-01	2.52E-01	3.92E-03	2.56E-01	7.17E+02	7.34E-03	1.26E-02
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	15	25	8.73E-03	3.49E-02	5.65E-01	2.13E-03	2.85E-01	1.28E-03	2.86E-01	7.55E-02	1.18E-03	7.67E-02	2.15E+02	2.20E-03	3.79E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	40	25	2.33E-02	9.30E-02	1.51E+00	5.67E-03	7.60E-01	3.41E-03	7.63E-01	2.01E-01	3.14E-03	2.05E-01	5.73E+02	5.87E-03	1.01E-02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	25	25	1.45E-02	5.81E-02	9.42E-01	3.55E-03	4.75E-01	2.13E-03	4.77E-01	1.26E-01	1.96E-03	1.28E-01	3.58E+02	3.67E-03	6.32E-03
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	25	25	1.45E-02	5.81E-02	9.42E-01	3.55E-03	4.75E-01	2.13E-03	4.77E-01	1.26E-01	1.96E-03	1.28E-01	3.58E+02	3.67E-03	6.32E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	15	25	8.73E-03	3.49E-02	5.65E-01	2.13E-03	2.85E-01	1.28E-03	2.86E-01	7.55E-02	1.18E-03	7.67E-02	2.15E+02	2.20E-03	3.79E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	10	25	5.82E-03	2.32E-02	3.77E-01	1.42E-03	1.90E-01	8.52E-04	1.91E-01	5.03E-02	7.84E-04	5.11E-02	1.43E+02	1.47E-03	2.53E-03
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	10	25	5.82E-03	2.32E-02	3.77E-01	1.42E-03	1.90E-01	8.52E-04	1.91E-01	5.03E-02	7.84E-04	5.11E-02	1.43E+02	1.47E-03	2.53E-03
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	10	25	5.82E-03	2.32E-02	3.77E-01	1.42E-03	1.90E-01	8.52E-04	1.91E-01	5.03E-02	7.84E-04	5.11E-02	1.43E+02	1.47E-03	2.53E-03
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	25	25	1.45E-02	5.81E-02	9.42E-01	3.55E-03	4.75E-01	2.13E-03	4.77E-01	1.26E-01	1.96E-03	1.28E-01	3.58E+02	3.67E-03	6.32E-03
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	50	25	2.58E-02	1.05E-01	1.77E+00	6.89E-03	9.50E-01	4.00E-03	9.54E-01	2.52E-01	3.68E-03	2.55E-01	6.97E+02	6.59E-03	1.19E-02
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	12.5	25	6.45E-03	2.63E-02	4.44E-01	1.72E-03	2.37E-01	9.99E-04	2.38E-01	6.29E-02	9.19E-04	6.39E-02	1.74E+02	1.65E-03	2.98E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	25	25	1.29E-02	5.27E-02	8.87E-01	3.45E-03	4.75E-01	2.00E-03	4.77E-01	1.26E-01	1.84E-03	1.28E-01	3.48E+02	3.30E-03	5.97E-03
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	37.5	25	1.93E-02	7.90E-02	1.33E+00	5.17E-03	7.12E-01	3.00E-03	7.15E-01	1.89E-01	2.76E-03	1.92E-01	5.23E+02	4.95E-03	8.95E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	25	25	1.29E-02	5.27E-02	8.87E-01	3.45E-03	4.75E-01	2.00E-03	4.77E-01	1.26E-01	1.84E-03	1.28E-01	3.48E+02	3.30E-03	5.97E-03
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	15	25	7.74E-03	3.16E-02	5.32E-01	2.07E-03	2.85E-01	1.20E-03	2.86E-01	7.55E-02	1.10E-03	7.66E-02	2.09E+02	1.98E-03	3.58E-03
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	17.5	25	9.03E-03	3.69E-02	6.21E-01	2.41E-03	3.32E-01	1.40E-03	3.34E-01	8.81E-02	1.29E-03	8.94E-02	2.44E+02	2.31E-03	4.18E-03
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	25	25	1.29E-02	5.27E-02	8.87E-01	3.45E-03	4.75E-01	2.00E-03	4.77E-01	1.26E-01	1.84E-03	1.28E-01	3.48E+02	3.30E-03	5.97E-03
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	25	6.45E-03	2.63E-02	4.44E-01	1.72E-03	2.37E-01	9.99E-04	2.38E-01	6.29E-02	9.19E-04	6.39E-02	1.74E+02	1.65E-03	2.98E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	17.5	25	9.03E-03	3.69E-02	6.21E-01	2.41E-03	3.32E-01	1.40E-03	3.34E-01	8.81E-02	1.29E-03	8.94E-02	2.44E+02	2.31E-03	4.18E-03
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	50	25	2.31E-02	9.62E-02	1.68E+00	6.72E-03	9.50E-01	3.72E-03	9.53E-01	2.52E-01	3.42E-03	2.55E-01	6.79E+02	5.97E-03	1.14E-02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	10	25	4.61E-03	1.92E-02	3.36E-01	1.34E-03	1.90E-01	7.44E-04	1.91E-01	5.03E-02	6.84E-04	5.10E-02	1.36E+02	1.19E-03	2.27E-03
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	10	25	4.61E-03	1.92E-02	3.36E-01	1.34E-03	1.90E-01	7.44E-04	1.91E-01	5.03E-02	6.84E-04	5.10E-02	1.36E+02	1.19E-03	2.27E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	50	25	2.31E-02	9.62E-02	1.68E+00	6.72E-03	9.50E-01	3.72E-03	9.53E-01	2.52E-01	3.42E-03	2.55E-01	6.79E+02	5.97E-03	1.14E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	25	25	1.15E-02	4.81E-02	8.41E-01	3.36E-03	4.75E-01	1.86E-03	4.77E-01	1.26E-01	1.71E-03	1.28E-01	3.39E+02	2.99E-03	5.68E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	15	25	6.92E-03	2.89E-02	5.05E-01	2.01E-03	2.85E-01	1.12E-03	2.86E-01	7.55E-02	1.03E-03	7.65E-02	2.04E+02	1.79E-03	3.41E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	25	25	1.15E-02	4.81E-02	8.41E-01	3.36E-03	4.75E-01	1.86E-03	4.77E-01	1.26E-01	1.71E-03	1.28E-01	3.39E+02	2.99E-03	5.68E-03
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	40	25	1.84E-02	7.70E-02	1.35E+00	5.37E-03	7.60E-01	2.98E-03	7.63E-01	2.01E-01	2.74E-03	2.04E-01	5.43E+02	4.78E-03	9.09E-03
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	15	25	6.92E-03	2.89E-02	5.05E-01	2.01E-03	2.85E-01	1.12E-03	2.86E-01	7.55E-02	1.03E-03	7.65E-02	2.04E+02	1.79E-03	3.41E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	25	4.13E-03	1.77E-02	3.20E-01	1.31E-03	1.90E-01	6.93E-04	1.91E-01	5.03E-02	6.38E-04	5.10E-02	1.33E+02	1.08E-03	2.17E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	50	25	2.06E-02	8.83E-02	1.60E+00	6.56E-03	9.50E-01	3.46E-03	9.53E-01	2.52E-01	3.19E-03	2.55E-01	6.63E+02	5.42E-03	1.09E-02
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	25	1.03E-02	4.41E-02	8.01E-01	3.28E-03	4.75E-01	1.73E-03	4.77E-01	1.26E-01	1.59E-03	1.27E-01	3.32E+02	2.71E-03	5.43E-03
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	25	1.03E-02	4.41E-02	8.01E-01	3.28E-03	4.75E-01	1.73E-03	4.77E-01	1.26E-01	1.59E-03	1.27E-01	3.32E+02	2.71E-03	5.43E-03
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	37.5	25	1.55E-02	6.62E-02	1.20E+00	4.92E-03	7.12E-01	2.60E-03	7.15E-01	1.89E-01	2.39E-03	1.91E-01	4.97E+02	4.06E-03	8.15E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	25	25	1.03E-02	4.41E-02	8.01E-01	3.28E-03	4.75E-01	1.73E-03	4.77E-01	1.26E-01	1.59E-03	1.27E-01	3.32E+02	2.71E-03	5.43E-03
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	15	25	6.19E-03	2.65E-02	4.80E-01	1.97E-03	2.85E-01	1.04E-03	2.86E-01	7.55E-02	9.56E-04	7.65E-02	1.99E+02	1.63E-03	3.26E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	17.5	25	7.22E-03	3.09E-02	5.61E-01	2.30E-03	3.32E-01	1.21E-03	3.34E-01	8.81E-02	1.12E-03	8.92E-02	2.32E+02	1.90E-03	3.80E-03
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	12.5	25	5.16E-03	2.21E-02	4.00E-01	1.64E-03	2.37E-01	8.66E-04	2.38E-01	6.29E-02	7.97E-04	6.37E-02	1.66E+02	1.35E-03	2.72E-03
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	25	25	1.03E-02	4.41E-02	8.01E-01	3.28E-03	4.75E-01	1.73E-03	4.77E-01	1.26E-01	1.59E-03	1.27E-01	3.32E+02	2.71E-03	5.43E-03
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
						MT/yr			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	25	261	8.76E+01	9.73E-04	1.59E-03	8.81E+01
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	25	261	2.63E+01	2.92E-04	4.78E-04	2.64E+01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	25	261	7.00E+01	7.79E-04	1.27E-03	7.04E+01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	10	25	261	1.75E+01	1.95E-04	3.19E-04	1.76E+01
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	25	261	4.38E+01	4.87E-04	7.97E-04	4.40E+01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	25	25	261	4.38E+01	4.87E-04	7.97E-04	4.40E+01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	15	25	261	2.63E+01	2.92E-04	4.78E-04	2.64E+01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	10	25	261	1.75E+01	1.95E-04	3.19E-04	1.76E+01
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	25	25	261	4.38E+01	4.87E-04	7.97E-04	4.40E+01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	10	25	261	1.75E+01	1.95E-04	3.19E-04	1.76E+01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	50	25	261	8.49E+01	8.69E-04	1.50E-03	8.53E+01
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	15	25	261	2.55E+01	2.61E-04	4.49E-04	2.56E+01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	40	25	261	6.79E+01	6.95E-04	1.20E-03	6.83E+01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	25	25	261	4.24E+01	4.35E-04	7.48E-04	4.27E+01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	25	25	261	4.24E+01	4.35E-04	7.48E-04	4.27E+01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	15	25	261	2.55E+01	2.61E-04	4.49E-04	2.56E+01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	10	25	261	1.70E+01	1.74E-04	2.99E-04	1.71E+01
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	10	25	261	1.70E+01	1.74E-04	2.99E-04	1.71E+01
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	10	25	261	1.70E+01	1.74E-04	2.99E-04	1.71E+01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	25	25	261	4.24E+01	4.35E-04	7.48E-04	4.27E+01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	50	25	261	8.25E+01	7.81E-04	1.41E-03	8.29E+01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	12.5	25	261	2.06E+01	1.95E-04	3.53E-04	2.07E+01
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	25	25	261	4.12E+01	3.90E-04	7.07E-04	4.15E+01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	37.5	25	261	6.19E+01	5.86E-04	1.06E-03	6.22E+01
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	25	25	261	4.12E+01	3.90E-04	7.07E-04	4.15E+01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	15	25	261	2.47E+01	2.34E-04	4.24E-04	2.49E+01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	17.5	25	261	2.89E+01	2.73E-04	4.95E-04	2.90E+01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	25	25	261	4.12E+01	3.90E-04	7.07E-04	4.15E+01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	25	261	2.06E+01	1.95E-04	3.53E-04	2.07E+01
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	17.5	25	261	2.89E+01	2.73E-04	4.95E-04	2.90E+01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	50	25	260	8.01E+01	7.04E-04	1.34E-03	8.05E+01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	10	25	260	1.60E+01	1.41E-04	2.68E-04	1.61E+01
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	10	25	260	1.60E+01	1.41E-04	2.68E-04	1.61E+01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	50	25	260	8.01E+01	7.04E-04	1.34E-03	8.05E+01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	25	25	260	4.00E+01	3.52E-04	6.70E-04	4.02E+01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	15	25	260	2.40E+01	2.11E-04	4.02E-04	2.41E+01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	25	25	260	4.00E+01	3.52E-04	6.70E-04	4.02E+01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	40	25	260	6.41E+01	5.63E-04	1.07E-03	6.44E+01
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	15	25	260	2.40E+01	2.11E-04	4.02E-04	2.41E+01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	25	261	1.57E+01	1.28E-04	2.57E-04	1.58E+01
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	50	25	261	7.85E+01	6.42E-04	1.29E-03	7.89E+01
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	25	261	3.92E+01	3.21E-04	6.43E-04	3.94E+01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	25	261	3.92E+01	3.21E-04	6.43E-04	3.94E+01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	37.5	25	261	5.89E+01	4.81E-04	9.65E-04	5.92E+01
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	25	25	261	3.92E+01	3.21E-04	6.43E-04	3.94E+01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	15	25	261	2.35E+01	1.92E-04	3.86E-04	2.37E+01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	17.5	25	261	2.75E+01	2.25E-04	4.50E-04	2.76E+01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	12.5	25	261	1.96E+01	1.60E-04	3.22E-04	1.97E+01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	25	25	261	3.92E+01	3.21E-04	6.43E-04	3.94E+01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Worker Starting Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission Factor (g/trip)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	10	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	25	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	15	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	10	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	25	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	10	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	50	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	15	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	40	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	25	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	25	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	15	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	10	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	10	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	10	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	25	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	50	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	12.5	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	25	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	37.5	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	25	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	15	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	17.5	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	25	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	17.5	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	50	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	10	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	10	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	50	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	25	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	15	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	25	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	40	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	15	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	50	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	37.5	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	25	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	15	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	17.5	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	12.5	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	25	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	25	4.23E-02	9.85E-03	1.12E-01	2.94E-05	0.00E+00	9.74E-05	9.74E-05	0.00E+00	8.95E-05	8.95E-05	2.97E+00	2.55E-03	1.31E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	25	1.27E-02	2.95E-03	3.35E-02	8.83E-06	0.00E+00	2.92E-05	2.92E-05	0.00E+00	2.69E-05	2.69E-05	8.92E-01	7.65E-04	3.93E-04
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	25	3.38E-02	7.88E-03	8.94E-02	2.35E-05	0.00E+00	7.79E-05	7.79E-05	0.00E+00	7.16E-05	7.16E-05	2.38E+00	2.04E-03	1.05E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	10	25	8.46E-03	1.97E-03	2.23E-02	5.88E-06	0.00E+00	1.95E-05	1.95E-05	0.00E+00	1.79E-05	1.79E-05	5.95E-01	5.10E-04	2.62E-04
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	25	2.12E-02	4.92E-03	5.59E-02	1.47E-05	0.00E+00	4.87E-05	4.87E-05	0.00E+00	4.48E-05	4.48E-05	1.49E+00	1.27E-03	6.55E-04
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	25	25	2.12E-02	4.92E-03	5.59E-02	1.47E-05	0.00E+00	4.87E-05	4.87E-05	0.00E+00	4.48E-05	4.48E-05	1.49E+00	1.27E-03	6.55E-04
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	15	25	1.27E-02	2.95E-03	3.35E-02	8.83E-06	0.00E+00	2.92E-05	2.92E-05	0.00E+00	2.69E-05	2.69E-05	8.92E-01	7.65E-04	3.93E-04
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	10	25	8.46E-03	1.97E-03	2.23E-02	5.88E-06	0.00E+00	1.95E-05	1.95E-05	0.00E+00	1.79E-05	1.79E-05	5.95E-01	5.10E-04	2.62E-04
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	25	25	2.12E-02	4.92E-03	5.59E-02	1.47E-05	0.00E+00	4.87E-05	4.87E-05	0.00E+00	4.48E-05	4.48E-05	1.49E+00	1.27E-03	6.55E-04
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	10	25	8.46E-03	1.97E-03	2.23E-02	5.88E-06	0.00E+00	1.95E-05	1.95E-05	0.00E+00	1.79E-05	1.79E-05	5.95E-01	5.10E-04	2.62E-04
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	50	25	3.98E-02	9.22E-03	1.07E-01	2.85E-05	0.00E+00	9.31E-05	9.31E-05	0.00E+00	8.56E-05	8.56E-05	2.88E+00	2.36E-03	1.25E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	15	25	1.19E-02	2.77E-03	3.22E-02	8.55E-06	0.00E+00	2.79E-05	2.79E-05	0.00E+00	2.57E-05	2.57E-05	8.64E-01	7.07E-04	3.76E-04
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	40	25	3.18E-02	7.38E-03	8.59E-02	2.28E-05	0.00E+00	7.45E-05	7.45E-05	0.00E+00	6.85E-05	6.85E-05	2.30E+00	1.89E-03	1.00E-03
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	25	25	1.99E-02	4.61E-03	5.37E-02	1.42E-05	0.00E+00	4.66E-05	4.66E-05	0.00E+00	4.28E-05	4.28E-05	1.44E+00	1.18E-03	6.27E-04
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	25	25	1.99E-02	4.61E-03	5.37E-02	1.42E-05	0.00E+00	4.66E-05	4.66E-05	0.00E+00	4.28E-05	4.28E-05	1.44E+00	1.18E-03	6.27E-04
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	15	25	1.19E-02	2.77E-03	3.22E-02	8.55E-06	0.00E+00	2.79E-05	2.79E-05	0.00E+00	2.57E-05	2.57E-05	8.64E-01	7.07E-04	3.76E-04
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	10	25	7.96E-03	1.84E-03	2.15E-02	5.70E-06	0.00E+00	1.86E-05	1.86E-05	0.00E+00	1.71E-05	1.71E-05	5.76E-01	4.72E-04	2.51E-04
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	10	25	7.96E-03	1.84E-03	2.15E-02	5.70E-06	0.00E+00	1.86E-05	1.86E-05	0.00E+00	1.71E-05	1.71E-05	5.76E-01	4.72E-04	2.51E-04
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	10	25	7.96E-03	1.84E-03	2.15E-02	5.70E-06	0.00E+00	1.86E-05	1.86E-05	0.00E+00	1.71E-05	1.71E-05	5.76E-01	4.72E-04	2.51E-04
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	25	25	1.99E-02	4.61E-03	5.37E-02	1.42E-05	0.00E+00	4.66E-05	4.66E-05	0.00E+00	4.28E-05	4.28E-05	1.44E+00	1.18E-03	6.27E-04
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	50	25	3.75E-02	8.70E-03	1.04E-01	2.77E-05	0.00E+00	8.84E-05	8.84E-05	0.00E+00	8.13E-05	8.13E-05	2.80E+00	2.19E-03	1.21E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	12.5	25	9.38E-03	2.17E-03	2.59E-02	6.92E-06	0.00E+00	2.21E-05	2.21E-05	0.00E+00	2.03E-05	2.03E-05	6.99E-01	5.48E-04	3.02E-04
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	25	25	1.88E-02	4.35E-03	5.18E-02	1.38E-05	0.00E+00	4.42E-05	4.42E-05	0.00E+00	4.06E-05	4.06E-05	1.40E+00	1.10E-03	6.03E-04
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	37.5	25	2.81E-02	6.52E-03	7.77E-02	2.07E-05	0.00E+00	6.63E-05	6.63E-05	0.00E+00	6.10E-05	6.10E-05	2.10E+00	1.64E-03	9.05E-04
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	25	25	1.88E-02	4.35E-03	5.18E-02	1.38E-05	0.00E+00	4.42E-05	4.42E-05	0.00E+00	4.06E-05	4.06E-05	1.40E+00	1.10E-03	6.03E-04
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	15	25	1.13E-02	2.61E-03	3.11E-02	8.30E-06	0.00E+00	2.65E-05	2.65E-05	0.00E+00	2.44E-05	2.44E-05	8.39E-01	6.57E-04	3.62E-04
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	17.5	25	1.31E-02	3.04E-03	3.63E-02	9.68E-06	0.00E+00	3.09E-05	3.09E-05	0.00E+00	2.84E-05	2.84E-05	9.78E-01	7.67E-04	4.22E-04
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	25	25	1.88E-02	4.35E-03	5.18E-02	1.38E-05	0.00E+00	4.42E-05	4.42E-05	0.00E+00	4.06E-05	4.06E-05	1.40E+00	1.10E-03	6.03E-04
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	25	9.38E-03	2.17E-03	2.59E-02	6.92E-06	0.00E+00	2.21E-05	2.21E-05	0.00E+00	2.03E-05	2.03E-05	6.99E-01	5.48E-04	3.02E-04
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	17.5	25	1.31E-02	3.04E-03	3.63E-02	9.68E-06	0.00E+00	3.09E-05	3.09E-05	0.00E+00	2.84E-05	2.84E-05	9.78E-01	7.67E-04	4.22E-04
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	50	25	3.54E-02	8.25E-03	1.00E-01	2.69E-05	0.00E+00	8.33E-05	8.33E-05	0.00E+00	7.66E-05	7.66E-05	2.72E+00	2.04E-03	1.17E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	10	25	7.09E-03	1.65E-03	2.01E-02	5.38E-06	0.00E+00	1.67E-05	1.67E-05	0.00E+00	1.53E-05	1.53E-05	5.44E-01	4.09E-04	2.33E-04
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	10	25	7.09E-03	1.65E-03	2.01E-02	5.38E-06	0.00E+00	1.67E-05	1.67E-05	0.00E+00	1.53E-05	1.53E-05	5.44E-01	4.09E-04	2.33E-04
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	50	25	3.54E-02	8.25E-03	1.00E-01	2.69E-05	0.00E+00	8.33E-05	8.33E-05	0.00E+00	7.66E-05	7.66E-05	2.72E+00	2.04E-03	1.17E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	25	25	1.77E-02	4.12E-03	5.02E-02	1.35E-05	0.00E+00	4.16E-05	4.16E-05	0.00E+00	3.83E-05	3.83E-05	1.36E+00	1.02E-03	5.83E-04
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	15	25	1.06E-02	2.47E-03	3.01E-02	8.07E-06	0.00E+00	2.50E-05	2.50E-05	0.00E+00	2.30E-05	2.30E-05	8.16E-01	6.13E-04	3.50E-04
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	25	25	1.77E-02	4.12E-03	5.02E-02	1.35E-05	0.00E+00	4.16E-05	4.16E-05	0.00E+00	3.83E-05	3.83E-05	1.36E+00	1.02E-03	5.83E-04
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	40	25	2.83E-02	6.60E-03	8.03E-02	2.15E-05	0.00E+00	6.66E-05	6.66E-05	0.00E+00	6.13E-05	6.13E-05	2.18E+00	1.64E-03	9.33E-04
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	15	25	1.06E-02	2.47E-03	3.01E-02	8.07E-06	0.00E+00	2.50E-05	2.50E-05	0.00E+00	2.30E-05	2.30E-05	8.16E-01	6.13E-04	3.50E-04
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	25	6.68E-03	1.57E-03	1.95E-02	5.25E-06	0.00E+00	1.57E-05	1.57E-05	0.00E+00	1.44E-05	1.44E-05	5.30E-01	3.83E-04	2.26E-04
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	50	25	3.34E-02	7.86E-03	9.73E-02	2.62E-05	0.00E+00	7.84E-05	7.84E-05	0.00E+00	7.21E-05	7.21E-05	2.65E+00	1.91E-03	1.13E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	25	1.67E-02	3.93E-03	4.87E-02	1.31E-05	0.00E+00	3.92E-05	3.92E-05	0.00E+00	3.60E-05	3.60E-05	1.33E+00	9.57E-04	5.66E-04
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	25	1.67E-02	3.93E-03	4.87E-02	1.31E-05	0.00E+00	3.92E-05	3.92E-05	0.00E+00	3.60E-05	3.60E-05	1.33E+00	9.57E-04	5.66E-04
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	37.5	25	2.50E-02	5.90E-03	7.30E-02	1.97E-05	0.00E+00	5.88E-05	5.88E-05	0.00E+00	5.41E-05	5.41E-05	1.99E+00	1.44E-03	8.49E-04
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	25	25	1.67E-02	3.93E-03	4.87E-02	1.31E-05	0.00E+00	3.92E-05	3.92E-05	0.00E+00	3.60E-05	3.60E-05	1.33E+00	9.57E-04	5.66E-04
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	15	25	1.00E-02	2.36E-03	2.92E-02	7.87E-06	0.00E+00	2.35E-05	2.35E-05	0.00E+00	2.16E-05	2.16E-05	7.95E-01	5.74E-04	3.40E-04
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	17.5	25	1.17E-02	2.75E-03	3.41E-02	9.18E-06	0.00E+00	2.74E-05	2.74E-05	0.00E+00	2.52E-05	2.52E-05	9.28E-01	6.70E-04	3.96E-04
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	12.5	25	8.35E-03	1.97E-03	2.43E-02	6.56E-06	0.00E+00	1.96E-05	1.96E-05	0.00E+00	1.80E-05	1.80E-05	6.63E-01	4.79E-04	2.83E-04
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	25	25	1.67E-02	3.93E-03	4.87E-02	1.31E-05	0.00E+00	3.92E-05	3.92E-05	0.00E+00	3.60E-05	3.60E-05	1.33E+00	9.57E-04	5.66E-04
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
						MT/yr			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	25	261	3.52E-01	3.02E-04	1.55E-04	4.06E-01
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	25	261	1.06E-01	9.06E-05	4.65E-05	1.22E-01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	25	261	2.82E-01	2.41E-04	1.24E-04	3.25E-01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	10	25	261	7.04E-02	6.04E-05	3.10E-05	8.12E-02
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	25	261	1.76E-01	1.51E-04	7.76E-05	2.03E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	25	25	261	1.76E-01	1.51E-04	7.76E-05	2.03E-01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	15	25	261	1.06E-01	9.06E-05	4.65E-05	1.22E-01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	10	25	261	7.04E-02	6.04E-05	3.10E-05	8.12E-02
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	25	25	261	1.76E-01	1.51E-04	7.76E-05	2.03E-01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	10	25	261	7.04E-02	6.04E-05	3.10E-05	8.12E-02
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	50	25	261	3.41E-01	2.79E-04	1.48E-04	3.92E-01
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	15	25	261	1.02E-01	8.37E-05	4.45E-05	1.18E-01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	40	25	261	2.73E-01	2.23E-04	1.19E-04	3.14E-01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	25	25	261	1.70E-01	1.40E-04	7.42E-05	1.96E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	25	25	261	1.70E-01	1.40E-04	7.42E-05	1.96E-01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	15	25	261	1.02E-01	8.37E-05	4.45E-05	1.18E-01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	10	25	261	6.82E-02	5.58E-05	2.97E-05	7.84E-02
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	10	25	261	6.82E-02	5.58E-05	2.97E-05	7.84E-02
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	10	25	261	6.82E-02	5.58E-05	2.97E-05	7.84E-02
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	25	25	261	1.70E-01	1.40E-04	7.42E-05	1.96E-01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	50	25	261	3.31E-01	2.59E-04	1.43E-04	3.80E-01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	12.5	25	261	8.27E-02	6.49E-05	3.57E-05	9.50E-02
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	25	25	261	1.65E-01	1.30E-04	7.14E-05	1.90E-01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	37.5	25	261	2.48E-01	1.95E-04	1.07E-04	2.85E-01
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	25	25	261	1.65E-01	1.30E-04	7.14E-05	1.90E-01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	15	25	261	9.93E-02	7.78E-05	4.28E-05	1.14E-01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	17.5	25	261	1.16E-01	9.08E-05	5.00E-05	1.33E-01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	25	25	261	1.65E-01	1.30E-04	7.14E-05	1.90E-01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	25	261	8.27E-02	6.49E-05	3.57E-05	9.50E-02
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	17.5	25	261	1.16E-01	9.08E-05	5.00E-05	1.33E-01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	50	25	260	3.21E-01	2.41E-04	1.38E-04	3.68E-01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	10	25	260	6.42E-02	4.82E-05	2.75E-05	7.36E-02
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	10	25	260	6.42E-02	4.82E-05	2.75E-05	7.36E-02
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	50	25	260	3.21E-01	2.41E-04	1.38E-04	3.68E-01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	25	25	260	1.60E-01	1.21E-04	6.88E-05	1.84E-01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	15	25	260	9.62E-02	7.23E-05	4.13E-05	1.10E-01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	25	25	260	1.60E-01	1.21E-04	6.88E-05	1.84E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	40	25	260	2.57E-01	1.93E-04	1.10E-04	2.94E-01
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	15	25	260	9.62E-02	7.23E-05	4.13E-05	1.10E-01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	25	261	6.28E-02	4.53E-05	2.68E-05	7.19E-02
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	50	25	261	3.14E-01	2.27E-04	1.34E-04	3.60E-01
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	25	261	1.57E-01	1.13E-04	6.70E-05	1.80E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	25	261	1.57E-01	1.13E-04	6.70E-05	1.80E-01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	37.5	25	261	2.35E-01	1.70E-04	1.01E-04	2.70E-01
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	25	25	261	1.57E-01	1.13E-04	6.70E-05	1.80E-01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	15	25	261	9.42E-02	6.80E-05	4.02E-05	1.08E-01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	17.5	25	261	1.10E-01	7.93E-05	4.69E-05	1.26E-01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	12.5	25	261	7.85E-02	5.66E-05	3.35E-05	8.99E-02
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	25	25	261	1.57E-01	1.13E-04	6.70E-05	1.80E-01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Vendor Running Emission Factors ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/mile)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	9	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	2	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	6	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	2	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	6	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	7	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	6	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	4	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	25	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	2	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	6	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	6	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	6	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	12	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	4.5	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	14.5	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	8.5	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	15	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	6	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	4.5	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	15.5	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	5	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	6	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	15	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	7	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	4	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	15	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	15	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	6	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	2	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	25	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	6	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	6	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	11.5	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	14.5	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	14.5	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	8.5	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	6	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	4.5	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	2	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	15.5	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	9	25	15	8.53E-03	8.64E-01	1.54E-01	5.26E-03	2.08E-01	6.73E-03	2.15E-01	5.98E-02	6.44E-03	6.62E-02	5.68E+02	1.97E-02	8.17E-02
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	2	25	15	1.90E-03	1.92E-01	3.43E-02	1.17E-03	4.62E-02	1.50E-03	4.77E-02	1.33E-02	1.43E-03	1.47E-02	1.26E+02	4.39E-03	1.82E-02
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	25	15	2.37E-02	2.40E+00	4.28E-01	1.46E-02	5.78E-01	1.87E-02	5.96E-01	1.66E-01	1.79E-02	1.84E-01	1.58E+03	5.48E-02	2.27E-01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	6	25	15	5.69E-03	5.76E-01	1.03E-01	3.51E-03	1.39E-01	4.49E-03	1.43E-01	3.99E-02	4.29E-03	4.41E-02	3.79E+02	1.32E-02	5.45E-02
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	2	25	15	1.90E-03	1.92E-01	3.43E-02	1.17E-03	4.62E-02	1.50E-03	4.77E-02	1.33E-02	1.43E-03	1.47E-02	1.26E+02	4.39E-03	1.82E-02
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	25	15	1.42E-02	1.44E+00	2.57E-01	8.77E-03	3.47E-01	1.12E-02	3.58E-01	9.96E-02	1.07E-02	1.10E-01	9.46E+02	3.29E-02	1.36E-01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	6	25	15	5.69E-03	5.76E-01	1.03E-01	3.51E-03	1.39E-01	4.49E-03	1.43E-01	3.99E-02	4.29E-03	4.41E-02	3.79E+02	1.32E-02	5.45E-02
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	7	25	15	6.63E-03	6.72E-01	1.20E-01	4.09E-03	1.62E-01	5.24E-03	1.67E-01	4.65E-02	5.01E-03	5.15E-02	4.42E+02	1.53E-02	6.36E-02
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	6	25	15	5.69E-03	5.76E-01	1.03E-01	3.51E-03	1.39E-01	4.49E-03	1.43E-01	3.99E-02	4.29E-03	4.41E-02	3.79E+02	1.32E-02	5.45E-02
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	4	25	15	3.79E-03	3.84E-01	6.85E-02	2.34E-03	9.24E-02	2.99E-03	9.54E-02	2.66E-02	2.86E-03	2.94E-02	2.52E+02	8.77E-03	3.63E-02
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9	25	15	8.25E-03	8.57E-01	1.51E-01	5.16E-03	2.08E-01	6.72E-03	2.15E-01	5.98E-02	6.43E-03	6.62E-02	5.57E+02	1.98E-02	8.03E-02
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2	25	15	1.83E-03	1.90E-01	3.37E-02	1.15E-03	4.62E-02	1.49E-03	4.77E-02	1.33E-02	1.43E-03	1.47E-02	1.24E+02	4.40E-03	1.78E-02
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	25	25	15	2.29E-02	2.38E+00	4.21E-01	1.43E-02	5.78E-01	1.87E-02	5.96E-01	1.66E-01	1.79E-02	1.84E-01	1.55E+03	5.50E-02	2.23E-01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2	25	15	1.83E-03	1.90E-01	3.37E-02	1.15E-03	4.62E-02	1.49E-03	4.77E-02	1.33E-02	1.43E-03	1.47E-02	1.24E+02	4.40E-03	1.78E-02
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	2	25	15	1.83E-03	1.90E-01	3.37E-02	1.15E-03	4.62E-02	1.49E-03	4.77E-02	1.33E-02	1.43E-03	1.47E-02	1.24E+02	4.40E-03	1.78E-02
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	6	25	15	5.50E-03	5.71E-01	1.01E-01	3.44E-03	1.39E-01	4.48E-03	1.43E-01	3.99E-02	4.29E-03	4.41E-02	3.71E+02	1.32E-02	5.35E-02
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7	25	15	6.41E-03	6.66E-01	1.18E-01	4.01E-03	1.62E-01	5.23E-03	1.67E-01	4.65E-02	5.00E-03	5.15E-02	4.33E+02	1.54E-02	6.24E-02
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	6	25	15	5.50E-03	5.71E-01	1.01E-01	3.44E-03	1.39E-01	4.48E-03	1.43E-01	3.99E-02	4.29E-03	4.41E-02	3.71E+02	1.32E-02	5.35E-02
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4	25	15	3.67E-03	3.81E-01	6.73E-02	2.29E-03	9.24E-02	2.99E-03	9.54E-02	2.66E-02	2.86E-03	2.94E-02	2.48E+02	8.80E-03	3.57E-02
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	6	25	15	5.50E-03	5.71E-01	1.01E-01	3.44E-03	1.39E-01	4.48E-03	1.43E-01	3.99E-02	4.29E-03	4.41E-02	3.71E+02	1.32E-02	5.35E-02
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	12	25	15	1.07E-02	1.13E+00	1.99E-01	6.74E-03	2.77E-01	8.93E-03	2.86E-01	7.97E-02	8.54E-03	8.82E-02	7.28E+02	2.64E-02	1.05E-01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	4.5	25	15	4.00E-03	4.24E-01	7.46E-02	2.53E-03	1.04E-01	3.35E-03	1.07E-01	2.99E-02	3.20E-03	3.31E-02	2.73E+02	9.89E-03	3.94E-02
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	14.5	25	15	1.29E-02	1.37E+00	2.40E-01	8.14E-03	3.35E-01	1.08E-02	3.46E-01	9.63E-02	1.03E-02	1.07E-01	8.80E+02	3.19E-02	1.27E-01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	8.5	25	15	7.56E-03	8.02E-01	1.41E-01	4.77E-03	1.96E-01	6.32E-03	2.03E-01	5.65E-02	6.05E-03	6.25E-02	5.16E+02	1.87E-02	7.44E-02
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	15	25	15	1.33E-02	1.41E+00	2.49E-01	8.42E-03	3.47E-01	1.12E-02	3.58E-01	9.96E-02	1.07E-02	1.10E-01	9.10E+02	3.30E-02	1.31E-01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	6	25	15	5.33E-03	5.66E-01	9.94E-02	3.37E-03	1.39E-01	4.46E-03	1.43E-01	3.99E-02	4.27E-03	4.41E-02	3.64E+02	1.32E-02	5.25E-02
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	4.5	25	15	4.00E-03	4.24E-01	7.46E-02	2.53E-03	1.04E-01	3.35E-03	1.07E-01	2.99E-02	3.20E-03	3.31E-02	2.73E+02	9.89E-03	3.94E-02
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	15.5	25	15	1.38E-02	1.46E+00	2.57E-01	8.70E-03	3.58E-01	1.15E-02	3.70E-01	1.03E-01	1.10E-02	1.14E-01	9.40E+02	3.41E-02	1.36E-01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	5	25	15	4.44E-03	4.71E-01	8.29E-02	2.81E-03	1.16E-01	3.72E-03	1.19E-01	3.32E-02	3.56E-03	3.68E-02	3.03E+02	1.10E-02	4.38E-02
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	6	25	15	5.33E-03	5.66E-01	9.94E-02	3.37E-03	1.39E-01	4.46E-03	1.43E-01	3.99E-02	4.27E-03	4.41E-02	3.64E+02	1.32E-02	5.25E-02
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	15	25	15	1.30E-02	1.40E+00	2.46E-01	8.25E-03	3.47E-01	1.11E-02	3.58E-01	9.96E-02	1.06E-02	1.10E-01	8.92E+02	3.31E-02	1.29E-01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	7	25	15	6.07E-03	6.55E-01	1.15E-01	3.85E-03	1.62E-01	5.19E-03	1.67E-01	4.65E-02	4.96E-03	5.15E-02	4.16E+02	1.54E-02	6.01E-02
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	4	25	15	3.47E-03	3.74E-01	6.57E-02	2.20E-03	9.24E-02	2.96E-03	9.54E-02	2.66E-02	2.84E-03	2.94E-02	2.38E+02	8.81E-03	3.44E-02
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	15	25	15	1.30E-02	1.40E+00	2.46E-01	8.25E-03	3.47E-01	1.11E-02	3.58E-01	9.96E-02	1.06E-02	1.10E-01	8.92E+02	3.31E-02	1.29E-01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	15	25	15	1.30E-02	1.40E+00	2.46E-01	8.25E-03	3.47E-01	1.11E-02	3.58E-01	9.96E-02	1.06E-02	1.10E-01	8.92E+02	3.31E-02	1.29E-01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	6	25	15	5.20E-03	5.61E-01	9.85E-02	3.30E-03	1.39E-01	4.45E-03	1.43E-01	3.99E-02	4.25E-03	4.41E-02	3.57E+02	1.32E-02	5.15E-02
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	2	25	15	1.73E-03	1.87E-01	3.28E-02	1.10E-03	4.62E-02	1.48E-03	4.77E-02	1.33E-02	1.42E-03	1.47E-02	1.19E+02	4.41E-03	1.72E-02
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	25	25	15	2.17E-02	2.34E+00	4.10E-01	1.38E-02	5.78E-01	1.85E-02	5.96E-01	1.66E-01	1.77E-02	1.84E-01	1.49E+03	5.51E-02	2.15E-01
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	6	25	15	5.20E-03	5.61E-01	9.85E-02	3.30E-03	1.39E-01	4.45E-03	1.43E-01	3.99E-02	4.25E-03	4.41E-02	3.57E+02	1.32E-02	5.15E-02
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	6	25	15	5.08E-03	5.56E-01	9.78E-02	3.24E-03	1.39E-01	4.42E-03	1.43E-01	3.99E-02	4.23E-03	4.41E-02	3.50E+02	1.33E-02	5.06E-02
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	11.5	25	15	9.74E-03	1.07E+00	1.87E-01	6.20E-03	2.66E-01	8.48E-03	2.74E-01	7.64E-02	8.11E-03	8.45E-02	6.71E+02	2.54E-02	9.70E-02
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	14.5	25	15	1.23E-02	1.34E+00	2.36E-01	7.82E-03	3.35E-01	1.07E-02	3.46E-01	9.63E-02	1.02E-02	1.07E-01	8.46E+02	3.21E-02	1.22E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	14.5	25	15	1.23E-02	1.34E+00	2.36E-01	7.82E-03	3.35E-01	1.07E-02	3.46E-01	9.63E-02	1.02E-02	1.07E-01	8.46E+02	3.21E-02	1.22E-01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	8.5	25	15	7.20E-03	7.88E-01	1.38E-01	4.59E-03	1.96E-01	6.27E-03	2.03E-01	5.65E-02	5.99E-03	6.24E-02	4.96E+02	1.88E-02	7.17E-02
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	25	15	1.27E-02	1.39E+00	2.44E-01	8.09E-03	3.47E-01	1.11E-02	3.58E-01	9.96E-02	1.06E-02	1.10E-01	8.75E+02	3.32E-02	1.26E-01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	6	25	15	5.08E-03	5.56E-01	9.78E-02	3.24E-03	1.39E-01	4.42E-03	1.43E-01	3.99E-02	4.23E-03	4.41E-02	3.50E+02	1.33E-02	5.06E-02
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	4.5	25	15	3.81E-03	4.17E-01	7.33E-02	2.43E-03	1.04E-01	3.32E-03	1.07E-01	2.99E-02	3.17E-03	3.31E-02	2.63E+02	9.95E-03	3.79E-02
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	2	25	15	1.69E-03	1.85E-01	3.26E-02	1.08E-03	4.62E-02	1.47E-03	4.77E-02	1.33E-02	1.41E-03	1.47E-02	1.17E+02	4.42E-03	1.69E-02
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	15.5	25	15	1.31E-02	1.44E+00	2.53E-01	8.36E-03	3.58E-01	1.14E-02	3.70E-01	1.03E-01	1.09E-02	1.14E-01	9.05E+02	3.43E-02	1.31E-01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
							MT/year			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	9	25	15	261	6.72E+01	0.00233615	0.00967711	7.02E+01
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	2	25	15	261	14.9374354	0.00051914	0.00215047	1.56E+01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	25	15	261	186.717942	0.0064893	0.02688085	1.95E+02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	6	25	15	261	44.8123061	0.00155743	0.0064514	4.68E+01
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	2	25	15	261	14.9374354	0.00051914	0.00215047	1.56E+01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	25	15	261	112.030765	0.00389358	0.01612851	1.17E+02
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	6	25	15	261	44.8123061	0.00155743	0.0064514	4.68E+01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	25	15	261	0	0	0	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	7	25	15	261	52.2810238	0.001817	0.00752664	5.46E+01
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	6	25	15	261	44.8123061	0.00155743	0.0064514	4.68E+01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	4	25	15	261	29.8748707	0.00103829	0.00430094	3.12E+01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9	25	15	261	65.9589785	0.00234286	0.00950532	6.89E+01
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2	25	15	261	14.6575508	0.00052064	0.00211229	1.53E+01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	25	25	15	261	183.219385	0.00650796	0.02640366	1.91E+02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2	25	15	261	14.6575508	0.00052064	0.00211229	1.53E+01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	2	25	15	261	14.6575508	0.00052064	0.00211229	1.53E+01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	6	25	15	261	43.9726523	0.00156191	0.00633688	4.59E+01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7	25	15	261	51.3014277	0.00182223	0.00739302	5.36E+01
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	6	25	15	261	43.9726523	0.00156191	0.00633688	4.59E+01
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	15	261	0	0	0	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4	25	15	261	29.3151016	0.00104127	0.00422458	3.06E+01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	6	25	15	261	43.9726523	0.00156191	0.00633688	4.59E+01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	12	25	15	261	86.1847615	0.00312086	0.01243439	9.00E+01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	4.5	25	15	261	32.3192856	0.00117032	0.00466289	3.37E+01
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	14.5	25	15	261	104.13992	0.00377104	0.01502488	1.09E+02
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	8.5	25	15	261	61.0475394	0.00221061	0.00880769	6.37E+01
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	15	25	15	261	107.730952	0.00390108	0.01554298	1.12E+02
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	6	25	15	261	43.0923808	0.00156043	0.00621719	4.50E+01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	4.5	25	15	261	32.3192856	0.00117032	0.00466289	3.37E+01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	15.5	25	15	261	111.321984	0.00403111	0.01606108	1.16E+02
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	15	261	0	0	0	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	5	25	15	261	35.9103173	0.00130036	0.00518099	3.75E+01
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	6	25	15	261	43.0923808	0.00156043	0.00621719	4.50E+01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	15	25	15	260	105.23309	0.00389783	0.01519387	1.10E+02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	7	25	15	260	49.1087753	0.00181899	0.00709047	5.13E+01
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	4	25	15	260	28.0621573	0.00103942	0.0040517	2.93E+01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	15	25	15	260	105.23309	0.00389783	0.01519387	1.10E+02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	15	25	15	260	105.23309	0.00389783	0.01519387	1.10E+02
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	6	25	15	260	42.093236	0.00155913	0.00607755	4.39E+01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	2	25	15	260	14.0310787	0.00051971	0.00202585	1.46E+01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	25	15	260	0	0	0	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	25	25	15	260	175.388483	0.00649639	0.02532312	1.83E+02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	25	15	260	0	0	0	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	6	25	15	260	42.093236	0.00155913	0.00607755	4.39E+01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	6	25	15	261	41.4546382	0.00157018	0.00598951	4.33E+01
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	11.5	25	15	261	79.4547232	0.00300951	0.01147989	8.30E+01
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	14.5	25	15	261	100.182042	0.0037946	0.01447464	1.05E+02
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	14.5	25	15	261	100.182042	0.0037946	0.01447464	1.05E+02
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	8.5	25	15	261	58.7274041	0.00222442	0.00848514	6.13E+01
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	25	15	261	103.636596	0.00392545	0.01497377	1.08E+02
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	6	25	15	261	41.4546382	0.00157018	0.00598951	4.33E+01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	4.5	25	15	261	31.0909787	0.00117764	0.00449213	3.25E+01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	2	25	15	261	13.8182127	0.00052339	0.0019965	1.44E+01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	15.5	25	15	261	107.091149	0.0040563	0.01547289	1.12E+02
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	25	15	261	0	0	0	0.00E+00

Vendor Starting Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/trip)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	9	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	2	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	6	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	2	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	6	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	7	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	6	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	4	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	25	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	2	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	6	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	6	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	6	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	12	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	4.5	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	14.5	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	8.5	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	15	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	6	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	4.5	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	15.5	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	5	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	6	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	15	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	7	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	4	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	15	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	15	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	6	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	2	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	25	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	6	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	6	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	11.5	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	14.5	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	14.5	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	8.5	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	6	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	4.5	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	2	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	15.5	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	9	25	15	8.66E-04	2.00E-02	5.30E-03	5.05E-07	0.00E+00	5.46E-07	5.46E-07	0.00E+00	5.02E-07	5.02E-07	5.10E-02	4.89E-05	4.04E-05
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	2	25	15	1.93E-04	4.44E-03	1.18E-03	1.12E-07	0.00E+00	1.21E-07	1.21E-07	0.00E+00	1.12E-07	1.12E-07	1.13E-02	1.09E-05	8.99E-06
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	25	15	2.41E-03	5.55E-02	1.47E-02	1.40E-06	0.00E+00	1.52E-06	1.52E-06	0.00E+00	1.39E-06	1.39E-06	1.42E-01	1.36E-04	1.12E-04
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	6	25	15	5.78E-04	1.33E-02	3.53E-03	3.36E-07	0.00E+00	3.64E-07	3.64E-07	0.00E+00	3.35E-07	3.35E-07	3.40E-02	3.26E-05	2.70E-05
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	2	25	15	1.93E-04	4.44E-03	1.18E-03	1.12E-07	0.00E+00	1.21E-07	1.21E-07	0.00E+00	1.12E-07	1.12E-07	1.13E-02	1.09E-05	8.99E-06
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	25	15	1.44E-03	3.33E-02	8.83E-03	8.41E-07	0.00E+00	9.10E-07	9.10E-07	0.00E+00	8.37E-07	8.37E-07	8.50E-02	8.16E-05	6.74E-05
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	6	25	15	5.78E-04	1.33E-02	3.53E-03	3.36E-07	0.00E+00	3.64E-07	3.64E-07	0.00E+00	3.35E-07	3.35E-07	3.40E-02	3.26E-05	2.70E-05
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	7	25	15	6.74E-04	1.55E-02	4.12E-03	3.92E-07	0.00E+00	4.25E-07	4.25E-07	0.00E+00	3.91E-07	3.91E-07	3.97E-02	3.81E-05	3.15E-05
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	6	25	15	5.78E-04	1.33E-02	3.53E-03	3.36E-07	0.00E+00	3.64E-07	3.64E-07	0.00E+00	3.35E-07	3.35E-07	3.40E-02	3.26E-05	2.70E-05
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	4	25	15	3.85E-04	8.88E-03	2.35E-03	2.24E-07	0.00E+00	2.43E-07	2.43E-07	0.00E+00	2.23E-07	2.23E-07	2.27E-02	2.18E-05	1.80E-05
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9	25	15	8.19E-04	2.00E-02	4.99E-03	4.85E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	4.90E-02	4.68E-05	3.95E-05
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2	25	15	1.82E-04	4.45E-03	1.11E-03	1.08E-07	0.00E+00	1.18E-07	1.18E-07	0.00E+00	1.08E-07	1.08E-07	1.09E-02	1.04E-05	8.78E-06
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	25	25	15	2.27E-03	5.56E-02	1.39E-02	1.35E-06	0.00E+00	1.47E-06	1.47E-06	0.00E+00	1.36E-06	1.36E-06	1.36E-01	1.30E-04	1.10E-04
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2	25	15	1.82E-04	4.45E-03	1.11E-03	1.08E-07	0.00E+00	1.18E-07	1.18E-07	0.00E+00	1.08E-07	1.08E-07	1.09E-02	1.04E-05	8.78E-06
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	2	25	15	1.82E-04	4.45E-03	1.11E-03	1.08E-07	0.00E+00	1.18E-07	1.18E-07	0.00E+00	1.08E-07	1.08E-07	1.09E-02	1.04E-05	8.78E-06
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	6	25	15	5.46E-04	1.34E-02	3.33E-03	3.23E-07	0.00E+00	3.54E-07	3.54E-07	0.00E+00	3.25E-07	3.25E-07	3.27E-02	3.12E-05	2.63E-05
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7	25	15	6.37E-04	1.56E-02	3.88E-03	3.77E-07	0.00E+00	4.13E-07	4.13E-07	0.00E+00	3.80E-07	3.80E-07	3.81E-02	3.64E-05	3.07E-05
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	6	25	15	5.46E-04	1.34E-02	3.33E-03	3.23E-07	0.00E+00	3.54E-07	3.54E-07	0.00E+00	3.25E-07	3.25E-07	3.27E-02	3.12E-05	2.63E-05
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4	25	15	3.64E-04	8.90E-03	2.22E-03	2.15E-07	0.00E+00	2.36E-07	2.36E-07	0.00E+00	2.17E-07	2.17E-07	2.18E-02	2.08E-05	1.76E-05
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	6	25	15	5.46E-04	1.34E-02	3.33E-03	3.23E-07	0.00E+00	3.54E-07	3.54E-07	0.00E+00	3.25E-07	3.25E-07	3.27E-02	3.12E-05	2.63E-05
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	12	25	15	1.04E-03	2.68E-02	6.29E-03	6.21E-07	0.00E+00	6.91E-07	6.91E-07	0.00E+00	6.35E-07	6.35E-07	6.28E-02	5.98E-05	5.15E-05
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	4.5	25	15	3.88E-04	1.00E-02	2.36E-03	2.33E-07	0.00E+00	2.59E-07	2.59E-07	0.00E+00	2.38E-07	2.38E-07	2.35E-02	2.24E-05	1.93E-05
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	14.5	25	15	1.25E-03	3.24E-02	7.60E-03	7.51E-07	0.00E+00	8.35E-07	8.35E-07	0.00E+00	7.67E-07	7.67E-07	7.59E-02	7.22E-05	6.23E-05
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	8.5	25	15	7.33E-04	1.90E-02	4.46E-03	4.40E-07	0.00E+00	4.89E-07	4.89E-07	0.00E+00	4.50E-07	4.50E-07	4.45E-02	4.23E-05	3.65E-05
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	15	25	15	1.29E-03	3.35E-02	7.86E-03	7.77E-07	0.00E+00	8.63E-07	8.63E-07	0.00E+00	7.94E-07	7.94E-07	7.85E-02	7.47E-05	6.44E-05
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	6	25	15	5.18E-04	1.34E-02	3.15E-03	3.11E-07	0.00E+00	3.45E-07	3.45E-07	0.00E+00	3.18E-07	3.18E-07	3.14E-02	2.99E-05	2.58E-05
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	4.5	25	15	3.88E-04	1.00E-02	2.36E-03	2.33E-07	0.00E+00	2.59E-07	2.59E-07	0.00E+00	2.38E-07	2.38E-07	2.35E-02	2.24E-05	1.93E-05
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	15.5	25	15	1.34E-03	3.46E-02	8.13E-03	8.03E-07	0.00E+00	8.92E-07	8.92E-07	0.00E+00	8.20E-07	8.20E-07	8.11E-02	7.72E-05	6.66E-05
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	5	25	15	4.31E-04	1.12E-02	2.62E-03	2.59E-07	0.00E+00	2.88E-07	2.88E-07	0.00E+00	2.65E-07	2.65E-07	2.62E-02	2.49E-05	2.15E-05
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	6	25	15	5.18E-04	1.34E-02	3.15E-03	3.11E-07	0.00E+00	3.45E-07	3.45E-07	0.00E+00	3.18E-07	3.18E-07	3.14E-02	2.99E-05	2.58E-05
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	15	25	15	1.24E-03	3.36E-02	7.49E-03	7.51E-07	0.00E+00	8.50E-07	8.50E-07	0.00E+00	7.81E-07	7.81E-07	7.59E-02	7.22E-05	6.34E-05
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	7	25	15	5.77E-04	1.57E-02	3.50E-03	3.50E-07	0.00E+00	3.96E-07	3.96E-07	0.00E+00	3.65E-07	3.65E-07	3.54E-02	3.37E-05	2.96E-05
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	4	25	15	3.30E-04	8.95E-03	2.00E-03	2.00E-07	0.00E+00	2.27E-07	2.27E-07	0.00E+00	2.08E-07	2.08E-07	2.02E-02	1.92E-05	1.69E-05
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	15	25	15	1.24E-03	3.36E-02	7.49E-03	7.51E-07	0.00E+00	8.50E-07	8.50E-07	0.00E+00	7.81E-07	7.81E-07	7.59E-02	7.22E-05	6.34E-05
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	15	25	15	1.24E-03	3.36E-02	7.49E-03	7.51E-07	0.00E+00	8.50E-07	8.50E-07	0.00E+00	7.81E-07	7.81E-07	7.59E-02	7.22E-05	6.34E-05
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	6	25	15	4.94E-04	1.34E-02	3.00E-03	3.00E-07	0.00E+00	3.40E-07	3.40E-07	0.00E+00	3.12E-07	3.12E-07	3.03E-02	2.89E-05	2.54E-05
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	2	25	15	1.65E-04	4.47E-03	9.99E-04	1.00E-07	0.00E+00	1.13E-07	1.13E-07	0.00E+00	1.04E-07	1.04E-07	1.01E-02	9.62E-06	8.46E-06
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	25	25	15	2.06E-03	5.59E-02	1.25E-02	1.25E-06	0.00E+00	1.42E-06	1.42E-06	0.00E+00	1.30E-06	1.30E-06	1.26E-01	1.20E-04	1.06E-04
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	6	25	15	4.94E-04	1.34E-02	3.00E-03	3.00E-07	0.00E+00	3.40E-07	3.40E-07	0.00E+00	3.12E-07	3.12E-07	3.03E-02	2.89E-05	2.54E-05
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	6	25	15	4.73E-04	1.35E-02	2.86E-03	2.91E-07	0.00E+00	3.35E-07	3.35E-07	0.00E+00	3.08E-07	3.08E-07	2.94E-02	2.80E-05	2.50E-05
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	11.5	25	15	9.07E-04	2.58E-02	5.49E-03	5.57E-07	0.00E+00	6.42E-07	6.42E-07	0.00E+00	5.91E-07	5.91E-07	5.63E-02	5.36E-05	4.80E-05
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	14.5	25	15	1.14E-03	3.25E-02	6.92E-03	7.03E-07	0.00E+00	8.10E-07	8.10E-07	0.00E+00	7.45E-07	7.45E-07	7.10E-02	6.76E-05	6.05E-05
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	14.5	25	15	1.14E-03	3.25E-02	6.92E-03	7.03E-07	0.00E+00	8.10E-07	8.10E-07	0.00E+00	7.45E-07	7.45E-07	7.10E-02	6.76E-05	6.05E-05
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	8.5	25	15	6.70E-04	1.91E-02	4.06E-03	4.12E-07	0.00E+00	4.75E-07	4.75E-07	0.00E+00	4.37E-07	4.37E-07	4.16E-02	3.96E-05	3.55E-05
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	25	15	1.18E-03	3.36E-02	7.16E-03	7.27E-07	0.00E+00	8.38E-07	8.38E-07	0.00E+00	7.71E-07	7.71E-07	7.35E-02	6.99E-05	6.26E-05
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	6	25	15	4.73E-04	1.35E-02	2.86E-03	2.91E-07	0.00E+00	3.35E-07	3.35E-07	0.00E+00	3.08E-07	3.08E-07	2.94E-02	2.80E-05	2.50E-05
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	4.5	25	15	3.55E-04	1.01E-02	2.15E-03	2.18E-07	0.00E+00	2.51E-07	2.51E-07	0.00E+00	2.31E-07	2.31E-07	2.20E-02	2.10E-05	1.88E-05
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	2	25	15	1.58E-04	4.48E-03	9.55E-04	9.70E-08	0.00E+00	1.12E-07	1.12E-07	0.00E+00	1.03E-07	1.03E-07	9.80E-03	9.33E-06	8.35E-06
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	15.5	25	15	1.22E-03	3.48E-02	7.40E-03	7.51E-07	0.00E+00	8.66E-07	8.66E-07	0.00E+00	7.96E-07	7.96E-07	7.59E-02	7.23E-05	6.47E-05
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
							MT/year			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	9	25	15	261	6.04E-03	5.794E-06	4.788E-06	7.61E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	2	25	15	261	0.0013414	1.288E-06	1.064E-06	1.69E-03
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	25	15	261	0.016768	1.61E-05	1.33E-05	2.11E-02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	6	25	15	261	0.0040243	3.863E-06	3.192E-06	5.07E-03
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	2	25	15	261	0.0013414	1.288E-06	1.064E-06	1.69E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	25	15	261	0.0100608	9.657E-06	7.98E-06	1.27E-02
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	6	25	15	261	0.0040243	3.863E-06	3.192E-06	5.07E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	25	15	261	0	0	0	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	7	25	15	261	0.004695	4.507E-06	3.724E-06	5.92E-03
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	6	25	15	261	0.0040243	3.863E-06	3.192E-06	5.07E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	4	25	15	261	0.0026829	2.575E-06	2.128E-06	3.38E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9	25	15	261	0.0058004	5.537E-06	4.678E-06	7.33E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2	25	15	261	0.001289	1.231E-06	1.04E-06	1.63E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	25	25	15	261	0.0161122	1.538E-05	1.299E-05	2.04E-02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2	25	15	261	0.001289	1.231E-06	1.04E-06	1.63E-03
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	2	25	15	261	0.001289	1.231E-06	1.04E-06	1.63E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	6	25	15	261	0.0038669	3.692E-06	3.119E-06	4.89E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7	25	15	261	0.0045114	4.307E-06	3.638E-06	5.70E-03
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	6	25	15	261	0.0038669	3.692E-06	3.119E-06	4.89E-03
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	15	261	0	0	0	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4	25	15	261	0.002578	2.461E-06	2.079E-06	3.26E-03
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	6	25	15	261	0.0038669	3.692E-06	3.119E-06	4.89E-03
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	12	25	15	261	0.0074338	7.077E-06	6.102E-06	9.43E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	4.5	25	15	261	0.0027877	2.654E-06	2.288E-06	3.54E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	14.5	25	15	261	0.0089825	8.552E-06	7.374E-06	1.14E-02
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	8.5	25	15	261	0.0052656	5.013E-06	4.323E-06	6.68E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	15	25	15	261	0.0092922	8.846E-06	7.628E-06	1.18E-02
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	6	25	15	261	0.0037169	3.539E-06	3.051E-06	4.71E-03
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	4.5	25	15	261	0.0027877	2.654E-06	2.288E-06	3.54E-03
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	15.5	25	15	261	0.0096019	9.141E-06	7.882E-06	1.22E-02
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	15	261	0	0	0	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	5	25	15	261	0.0030974	2.949E-06	2.543E-06	3.93E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	6	25	15	261	0.0037169	3.539E-06	3.051E-06	4.71E-03
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	15	25	15	260	0.0089477	8.511E-06	7.481E-06	1.14E-02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	7	25	15	260	0.0041756	3.972E-06	3.491E-06	5.32E-03
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	4	25	15	260	0.002386	2.27E-06	1.995E-06	3.04E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	15	25	15	260	0.0089477	8.511E-06	7.481E-06	1.14E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	15	25	15	260	0.0089477	8.511E-06	7.481E-06	1.14E-02
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	6	25	15	260	0.0035791	3.404E-06	2.992E-06	4.56E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	2	25	15	260	0.001193	1.135E-06	9.974E-07	1.52E-03
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	25	15	260	0	0	0	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	25	25	15	260	0.0149128	1.418E-05	1.247E-05	1.90E-02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	25	15	260	0	0	0	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	6	25	15	260	0.0035791	3.404E-06	2.992E-06	4.56E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	6	25	15	261	0.0034797	3.312E-06	2.965E-06	4.45E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	11.5	25	15	261	0.0066695	6.349E-06	5.682E-06	8.52E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	14.5	25	15	261	0.0084094	8.005E-06	7.164E-06	1.07E-02
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	14.5	25	15	261	0.0084094	8.005E-06	7.164E-06	1.07E-02
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	8.5	25	15	261	0.0049296	4.693E-06	4.2E-06	6.30E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	25	15	261	0.0086993	8.281E-06	7.411E-06	1.11E-02
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	6	25	15	261	0.0034797	3.312E-06	2.965E-06	4.45E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	4.5	25	15	261	0.0026098	2.484E-06	2.223E-06	3.33E-03
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	2	25	15	261	0.0011599	1.104E-06	9.882E-07	1.48E-03
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	15.5	25	15	261	0.0089893	8.557E-06	7.658E-06	1.15E-02
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	25	15	261	0	0	0	0.00E+00

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Haul Running Emission Factors ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission Factor (g/mile)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1705	7	25	2.32E-02	2.45E+00	4.44E-01	1.19E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	26	0	25	2.32E-02	2.45E+00	4.44E-01	1.19E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	25	2.32E-02	2.45E+00	4.44E-01	1.19E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	0	0	25	2.32E-02	2.45E+00	4.44E-01	1.19E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	7512	29	25	2.32E-02	2.45E+00	4.44E-01	1.19E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	2191	8	25	2.32E-02	2.45E+00	4.44E-01	1.19E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	5008	19	25	2.32E-02	2.45E+00	4.44E-01	1.19E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	25	2.32E-02	2.45E+00	4.44E-01	1.19E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	25	2.32E-02	2.45E+00	4.44E-01	1.19E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	528	2	25	2.32E-02	2.45E+00	4.44E-01	1.19E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.32E+03	7.83E-02	2.10E-01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	624	2	25	2.32E-02	2.45E+00	4.44E-01	1.19E-02	3.96E-01	2.05E-02	4.17E-01	1.09E-01	1.96E-02	1.28E-01	1.32E+03	7.83E-02	2.10E-01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	1705	7	25	2.28E-02	2.42E+00	4.52E-01	1.17E-02	3.96E-01	2.04E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	52	0	25	2.28E-02	2.42E+00	4.52E-01	1.17E-02	3.96E-01	2.04E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	6260	24	25	2.28E-02	2.42E+00	4.52E-01	1.17E-02	3.96E-01	2.04E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	7512	29	25	2.28E-02	2.42E+00	4.52E-01	1.17E-02	3.96E-01	2.04E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	7512	29	25	2.28E-02	2.42E+00	4.52E-01	1.17E-02	3.96E-01	2.04E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	5008	19	25	2.28E-02	2.42E+00	4.52E-01	1.17E-02	3.96E-01	2.04E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	0	0	25	2.28E-02	2.42E+00	4.52E-01	1.17E-02	3.96E-01	2.04E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	0	0	25	2.28E-02	2.42E+00	4.52E-01	1.17E-02	3.96E-01	2.04E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	25	2.28E-02	2.42E+00	4.52E-01	1.17E-02	3.96E-01	2.04E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	624	2	25	2.28E-02	2.42E+00	4.52E-01	1.17E-02	3.96E-01	2.04E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.29E+03	7.86E-02	2.06E-01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	528	2	25	2.28E-02	2.42E+00	4.52E-01	1.17E-02	3.96E-01	2.04E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.29E+03	7.86E-02	2.06E-01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	2945	11	25	2.24E-02	2.39E+00	4.58E-01	1.14E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	26	0	25	2.24E-02	2.39E+00	4.58E-01	1.14E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	3442	13	25	2.24E-02	2.39E+00	4.58E-01	1.14E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	5848.5	22	25	2.24E-02	2.39E+00	4.58E-01	1.14E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	2191	8	25	2.24E-02	2.39E+00	4.58E-01	1.14E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	2556	10	25	2.24E-02	2.39E+00	4.58E-01	1.14E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	3756	14	25	2.24E-02	2.39E+00	4.58E-01	1.14E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	3130	12	25	2.24E-02	2.39E+00	4.58E-01	1.14E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	25	2.24E-02	2.39E+00	4.58E-01	1.14E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	2816	11	25	2.24E-02	2.39E+00	4.58E-01	1.14E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.27E+03	7.87E-02	2.01E-01
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	264	1	25	2.24E-02	2.39E+00	4.58E-01	1.14E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.27E+03	7.87E-02	2.01E-01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	4185	16	25	2.21E-02	2.36E+00	4.64E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	0	0	25	2.21E-02	2.36E+00	4.64E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	624	2	25	2.21E-02	2.36E+00	4.64E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	4185	16	25	2.21E-02	2.36E+00	4.64E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	2191	8	25	2.21E-02	2.36E+00	4.64E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	104	0	25	2.21E-02	2.36E+00	4.64E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	7512	29	25	2.21E-02	2.36E+00	4.64E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	25	2.21E-02	2.36E+00	4.64E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	6260	24	25	2.21E-02	2.36E+00	4.64E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	0	0	25	2.21E-02	2.36E+00	4.64E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.24E+03	7.90E-02	1.97E-01
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	5008	19	25	2.21E-02	2.36E+00	4.64E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.24E+03	7.90E-02	1.97E-01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	0	0	25	2.17E-02	2.33E+00	4.70E-01	1.09E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	2635	10	25	2.17E-02	2.33E+00	4.70E-01	1.09E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	3442	13	25	2.17E-02	2.33E+00	4.70E-01	1.09E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	3442	13	25	2.17E-02	2.33E+00	4.70E-01	1.09E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	5848.5	22	25	2.17E-02	2.33E+00	4.70E-01	1.09E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	2191	8	25	2.17E-02	2.33E+00	4.70E-01	1.09E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	2556	10	25	2.17E-02	2.33E+00	4.70E-01	1.09E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	3756	14	25	2.17E-02	2.33E+00	4.70E-01	1.09E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	1408.5	5	25	2.17E-02	2.33E+00	4.70E-01	1.09E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	3130	12	25	2.17E-02	2.33E+00	4.70E-01	1.09E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.21E+03	7.93E-02	1.93E-01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	0	0	25	2.17E-02	2.33E+00	4.70E-01	1.09E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.21E+03	7.93E-02	1.93E-01

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1705	7	25	8.34E-03	8.82E-01	1.60E-01	4.30E-03	1.43E-01	7.39E-03	1.50E-01	3.91E-02	7.07E-03	4.62E-02	4.74E+02	2.82E-02	7.55E-02
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	26	0	25	1.27E-04	1.34E-02	2.44E-03	6.56E-05	2.18E-03	1.13E-04	2.29E-03	5.96E-04	1.08E-04	7.04E-04	7.24E+00	4.30E-04	1.15E-03
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	25	3.06E-02	3.24E+00	5.87E-01	1.58E-02	5.24E-01	2.71E-02	5.51E-01	1.44E-01	2.59E-02	1.69E-01	1.74E+03	1.03E-01	2.77E-01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	7512	29	25	3.68E-02	3.88E+00	7.04E-01	1.89E-02	6.29E-01	3.25E-02	6.61E-01	1.72E-01	3.11E-02	2.03E-01	2.09E+03	1.24E-01	3.32E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	2191	8	25	1.07E-02	1.13E+00	2.05E-01	5.52E-03	1.83E-01	9.49E-03	1.93E-01	5.02E-02	9.08E-03	5.93E-02	6.10E+02	3.62E-02	9.70E-02
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	5008	19	25	2.45E-02	2.59E+00	4.70E-01	1.26E-02	4.19E-01	2.17E-02	4.41E-01	1.15E-01	2.08E-02	1.36E-01	1.39E+03	8.28E-02	2.22E-01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	528	2	25	2.58E-03	2.73E-01	4.95E-02	1.33E-03	4.42E-02	2.29E-03	4.65E-02	1.21E-02	2.19E-03	1.43E-02	1.47E+02	8.73E-03	2.34E-02
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	624	2	25	3.05E-03	3.23E-01	5.85E-02	1.57E-03	5.22E-02	2.70E-03	5.49E-02	1.43E-02	2.59E-03	1.69E-02	1.74E+02	1.03E-02	2.76E-02
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	1705	7	25	8.20E-03	8.71E-01	1.63E-01	4.21E-03	1.43E-01	7.35E-03	1.50E-01	3.91E-02	7.03E-03	4.61E-02	4.65E+02	2.83E-02	7.40E-02
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	52	0	25	2.50E-04	2.66E-02	4.96E-03	1.28E-04	4.35E-03	2.24E-04	4.57E-03	1.19E-03	2.14E-04	1.41E-03	1.42E+01	8.63E-04	2.26E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	6260	24	25	3.01E-02	3.20E+00	5.97E-01	1.55E-02	5.24E-01	2.70E-02	5.51E-01	1.44E-01	2.58E-02	1.69E-01	1.71E+03	1.04E-01	2.72E-01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	7512	29	25	3.61E-02	3.84E+00	7.17E-01	1.86E-02	6.29E-01	3.24E-02	6.61E-01	1.72E-01	3.10E-02	2.03E-01	2.05E+03	1.25E-01	3.26E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	7512	29	25	3.61E-02	3.84E+00	7.17E-01	1.86E-02	6.29E-01	3.24E-02	6.61E-01	1.72E-01	3.10E-02	2.03E-01	2.05E+03	1.25E-01	3.26E-01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	5008	19	25	2.41E-02	2.56E+00	4.78E-01	1.24E-02	4.19E-01	2.16E-02	4.41E-01	1.15E-01	2.07E-02	1.35E-01	1.37E+03	8.32E-02	2.17E-01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	624	2	25	3.00E-03	3.19E-01	5.96E-02	1.54E-03	5.22E-02	2.69E-03	5.49E-02	1.43E-02	2.57E-03	1.69E-02	1.70E+02	1.04E-02	2.71E-02
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	528	2	25	2.54E-03	2.70E-01	5.04E-02	1.30E-03	4.42E-02	2.28E-03	4.65E-02	1.21E-02	2.18E-03	1.43E-02	1.44E+02	8.77E-03	2.29E-02
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	2945	11	25	1.39E-02	1.49E+00	2.85E-01	7.12E-03	2.46E-01	1.26E-02	2.59E-01	6.75E-02	1.21E-02	7.96E-02	7.87E+02	4.89E-02	1.25E-01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	26	0	25	1.23E-04	1.31E-02	2.52E-03	6.28E-05	2.18E-03	1.11E-04	2.29E-03	5.96E-04	1.07E-04	7.03E-04	6.95E+00	4.32E-04	1.11E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	3442	13	25	1.63E-02	1.74E+00	3.33E-01	8.32E-03	2.88E-01	1.47E-02	3.03E-01	7.89E-02	1.41E-02	9.30E-02	9.20E+02	5.72E-02	1.46E-01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	5848.5	22	25	2.76E-02	2.95E+00	5.66E-01	1.41E-02	4.89E-01	2.50E-02	5.14E-01	1.34E-01	2.40E-02	1.58E-01	1.56E+03	9.72E-02	2.49E-01
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	2191	8	25	1.04E-02	1.11E+00	2.12E-01	5.29E-03	1.83E-01	9.38E-03	1.93E-01	5.02E-02	8.98E-03	5.92E-02	5.86E+02	3.64E-02	9.32E-02
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	2556	10	25	1.21E-02	1.29E+00	2.47E-01	6.18E-03	2.14E-01	1.09E-02	2.25E-01	5.86E-02	1.05E-02	6.91E-02	6.83E+02	4.25E-02	1.09E-01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	3756	14	25	1.78E-02	1.90E+00	3.63E-01	9.08E-03	3.14E-01	1.61E-02	3.30E-01	8.61E-02	1.54E-02	1.01E-01	1.00E+03	6.24E-02	1.60E-01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	3130	12	25	1.48E-02	1.58E+00	3.03E-01	7.56E-03	2.62E-01	1.34E-02	2.75E-01	7.18E-02	1.28E-02	8.46E-02	8.37E+02	5.20E-02	1.33E-01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	2816	11	25	1.33E-02	1.42E+00	2.72E-01	6.80E-03	2.36E-01	1.21E-02	2.48E-01	6.46E-02	1.15E-02	7.61E-02	7.53E+02	4.68E-02	1.20E-01
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	264	1	25	1.25E-03	1.33E-01	2.55E-02	6.38E-04	2.21E-02	1.13E-03	2.32E-02	6.05E-03	1.08E-03	7.13E-03	7.06E+01	4.39E-03	1.12E-02
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	4185	16	25	1.96E-02	2.10E+00	4.12E-01	9.93E-03	3.51E-01	1.79E-02	3.69E-01	9.63E-02	1.71E-02	1.13E-01	1.10E+03	7.01E-02	1.75E-01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	624	2	25	2.92E-03	3.12E-01	6.14E-02	1.48E-03	5.24E-02	2.66E-03	5.51E-02	1.44E-02	2.55E-03	1.69E-02	1.64E+02	1.05E-02	2.61E-02
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	4185	16	25	1.96E-02	2.10E+00	4.12E-01	9.93E-03	3.51E-01	1.79E-02	3.69E-01	9.63E-02	1.71E-02	1.13E-01	1.10E+03	7.01E-02	1.75E-01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	2191	8	25	1.02E-02	1.10E+00	2.16E-01	5.20E-03	1.84E-01	9.35E-03	1.93E-01	5.04E-02	8.95E-03	5.94E-02	5.76E+02	3.67E-02	9.16E-02
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	104	0	25	4.86E-04	5.21E-02	1.02E-02	2.47E-04	8.73E-03	4.44E-04	9.18E-03	2.39E-03	4.25E-04	2.82E-03	2.73E+01	1.74E-03	4.35E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	7512	29	25	3.51E-02	3.76E+00	7.40E-01	1.78E-02	6.31E-01	3.21E-02	6.63E-01	1.73E-01	3.07E-02	2.04E-01	1.97E+03	1.26E-01	3.14E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	6260	24	25	2.93E-02	3.13E+00	6.16E-01	1.49E-02	5.26E-01	2.67E-02	5.52E-01	1.44E-01	2.56E-02	1.70E-01	1.64E+03	1.05E-01	2.62E-01
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	5008	19	25	2.34E-02	2.51E+00	4.93E-01	1.19E-02	4.21E-01	2.14E-02	4.42E-01	1.15E-01	2.04E-02	1.36E-01	1.32E+03	8.39E-02	2.09E-01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	2635	10	25	1.21E-02	1.30E+00	2.62E-01	6.09E-03	2.20E-01	1.11E-02	2.32E-01	6.04E-02	1.06E-02	7.10E-02	6.75E+02	4.41E-02	1.08E-01
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	3442	13	25	1.58E-02	1.70E+00	3.42E-01	7.96E-03	2.88E-01	1.45E-02	3.02E-01	7.89E-02	1.39E-02	9.28E-02	8.82E+02	5.77E-02	1.40E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	3442	13	25	1.58E-02	1.70E+00	3.42E-01	7.96E-03	2.88E-01	1.45E-02	3.02E-01	7.89E-02	1.39E-02	9.28E-02	8.82E+02	5.77E-02	1.40E-01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	5848.5	22	25	2.68E-02	2.88E+00	5.81E-01	1.35E-02	4.89E-01	2.46E-02	5.14E-01	1.34E-01	2.36E-02	1.58E-01	1.50E+03	9.80E-02	2.39E-01
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	2191	8	25	1.01E-02	1.08E+00	2.18E-01	5.07E-03	1.83E-01	9.23E-03	1.93E-01	5.02E-02	8.83E-03	5.91E-02	5.61E+02	3.67E-02	8.94E-02
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	2556	10	25	1.17E-02	1.26E+00	2.54E-01	5.91E-03	2.14E-01	1.08E-02	2.25E-01	5.86E-02	1.03E-02	6.89E-02	6.55E+02	4.28E-02	1.04E-01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	3756	14	25	1.72E-02	1.85E+00	3.73E-01	8.68E-03	3.14E-01	1.58E-02	3.30E-01	8.61E-02	1.51E-02	1.01E-01	9.63E+02	6.29E-02	1.53E-01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	1408.5	5	25	6.46E-03	6.94E-01	1.40E-01	3.26E-03	1.18E-01	5.94E-03	1.24E-01	3.23E-02	5.68E-03	3.80E-02	3.61E+02	2.36E-02	5.75E-02
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	3130	12	25	1.44E-02	1.54E+00	3.11E-01	7.24E-03	2.62E-01	1.32E-02	2.75E-01	7.18E-02	1.26E-02	8.44E-02	8.02E+02	5.24E-02	1.28E-01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
								MT/yr			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1705	7	25	261	5.62E+01	3.34E-03	8.93E-03	5.89E+01
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	26	0	25	261	8.57E-01	5.09E-05	1.36E-04	8.98E-01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	25	261	2.06E+02	1.22E-02	3.28E-02	2.16E+02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	7512	29	25	261	2.47E+02	1.47E-02	3.94E-02	2.60E+02
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	2191	8	25	261	7.22E+01	4.29E-03	1.15E-02	7.57E+01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	5008	19	25	261	1.65E+02	9.80E-03	2.62E-02	1.73E+02
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	528	2	25	261	1.74E+01	1.03E-03	2.77E-03	1.82E+01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	624	2	25	261	2.06E+01	1.22E-03	3.27E-03	2.16E+01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	1705	7	25	261	5.51E+01	3.35E-03	8.76E-03	5.78E+01
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	52	0	25	261	1.68E+00	1.02E-04	2.67E-04	1.76E+00
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	6260	24	25	261	2.02E+02	1.23E-02	3.22E-02	2.12E+02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	7512	29	25	261	2.43E+02	1.48E-02	3.86E-02	2.55E+02
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	7512	29	25	261	2.43E+02	1.48E-02	3.86E-02	2.55E+02
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	5008	19	25	261	1.62E+02	9.84E-03	2.57E-02	1.70E+02
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	624	2	25	261	2.02E+01	1.23E-03	3.21E-03	2.11E+01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	528	2	25	261	1.71E+01	1.04E-03	2.71E-03	1.79E+01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	2945	11	25	261	9.32E+01	5.79E-03	1.48E-02	9.77E+01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	26	0	25	261	8.23E-01	5.11E-05	1.31E-04	8.63E-01
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	3442	13	25	261	1.09E+02	6.77E-03	1.73E-02	1.14E+02
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	5848.5	22	25	261	1.85E+02	1.15E-02	2.94E-02	1.94E+02
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	2191	8	25	261	6.93E+01	4.31E-03	1.10E-02	7.27E+01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	2556	10	25	261	8.09E+01	5.03E-03	1.29E-02	8.48E+01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	3756	14	25	261	1.19E+02	7.39E-03	1.89E-02	1.25E+02
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	3130	12	25	261	9.90E+01	6.16E-03	1.58E-02	1.04E+02
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	2816	11	25	261	8.91E+01	5.54E-03	1.42E-02	9.35E+01
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	264	1	25	261	8.35E+00	5.19E-04	1.33E-03	8.76E+00
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	4185	16	25	260	1.30E+02	8.27E-03	2.06E-02	1.36E+02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	624	2	25	260	1.93E+01	1.23E-03	3.08E-03	2.03E+01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	4185	16	25	260	1.30E+02	8.27E-03	2.06E-02	1.36E+02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	2191	8	25	260	6.79E+01	4.33E-03	1.08E-02	7.12E+01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	104	0	25	260	3.22E+00	2.05E-04	5.13E-04	3.38E+00
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	7512	29	25	260	2.33E+02	1.48E-02	3.70E-02	2.44E+02
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	6260	24	25	260	1.94E+02	1.24E-02	3.09E-02	2.03E+02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	5008	19	25	260	1.55E+02	9.89E-03	2.47E-02	1.63E+02
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	2635	10	25	261	7.99E+01	5.23E-03	1.27E-02	8.39E+01
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	3442	13	25	261	1.04E+02	6.83E-03	1.66E-02	1.10E+02
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	3442	13	25	261	1.04E+02	6.83E-03	1.66E-02	1.10E+02
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	5848.5	22	25	261	1.77E+02	1.16E-02	2.82E-02	1.86E+02
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	2191	8	25	261	6.65E+01	4.35E-03	1.06E-02	6.97E+01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	2556	10	25	261	7.75E+01	5.07E-03	1.23E-02	8.14E+01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	3756	14	25	261	1.14E+02	7.45E-03	1.81E-02	1.20E+02
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	1408.5	5	25	261	4.27E+01	2.79E-03	6.80E-03	4.48E+01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	3130	12	25	261	9.50E+01	6.21E-03	1.51E-02	9.96E+01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00

							Haul Running Emission Factors												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission Factor (g/trip)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1705	7	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	26	0	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	0	0	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	7512	29	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	2191	8	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	5008	19	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	528	2	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	624	2	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	1705	7	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	52	0	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	6260	24	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	7512	29	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	7512	29	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	5008	19	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	0	0	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	0	0	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	624	2	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	528	2	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	2945	11	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	26	0	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	3442	13	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	5848.5	22	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	2191	8	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	2556	10	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	3756	14	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	3130	12	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	2816	11	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	264	1	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	4185	16	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	0	0	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	624	2	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	4185	16	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	2191	8	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	104	0	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	7512	29	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	6260	24	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	0	0	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	5008	19	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	0	0	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	2635	10	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	3442	13	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	3442	13	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	5848.5	22	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	2191	8	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	2556	10	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	3756	14	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	1408.5	5	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	3130	12	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	0	0	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06

							Daily Emissions													
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1705	7	25	5.30E-06	1.72E-02	4.68E-05	3.92E-09	0.00E+00	5.61E-09	5.61E-09	0.00E+00	5.16E-09	5.16E-09	3.96E-04	2.71E-09	7.71E-08
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	26	0	25	8.09E-08	2.62E-04	7.13E-07	5.97E-11	0.00E+00	8.56E-11	8.56E-11	0.00E+00	7.87E-11	7.87E-11	6.04E-06	4.14E-11	1.18E-09
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	25	1.95E-05	6.30E-02	1.72E-04	1.44E-08	0.00E+00	2.06E-08	2.06E-08	0.00E+00	1.90E-08	1.90E-08	1.45E-03	9.97E-09	2.83E-07
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	7512	29	25	2.34E-05	7.56E-02	2.06E-04	1.73E-08	0.00E+00	2.47E-08	2.47E-08	0.00E+00	2.27E-08	2.27E-08	1.74E-03	1.20E-08	3.40E-07
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	2191	8	25	6.82E-06	2.21E-02	6.01E-05	5.03E-09	0.00E+00	7.21E-09	7.21E-09	0.00E+00	6.63E-09	6.63E-09	5.09E-04	3.49E-09	9.91E-08
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	5008	19	25	1.56E-05	5.04E-02	1.37E-04	1.15E-08	0.00E+00	1.65E-08	1.65E-08	0.00E+00	1.52E-08	1.52E-08	1.16E-03	7.97E-09	2.27E-07
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	528	2	25	1.64E-06	5.32E-03	1.45E-05	1.21E-09	0.00E+00	1.74E-09	1.74E-09	0.00E+00	1.60E-09	1.60E-09	1.23E-04	8.41E-10	2.39E-08
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	624	2	25	1.94E-06	6.28E-03	1.71E-05	1.43E-09	0.00E+00	2.05E-09	2.05E-09	0.00E+00	1.89E-09	1.89E-09	1.45E-04	9.93E-10	2.82E-08
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	1705	7	25	4.28E-06	1.72E-02	4.41E-05	3.72E-09	0.00E+00	4.76E-09	4.76E-09	0.00E+00	4.37E-09	4.37E-09	3.76E-04	2.70E-09	4.93E-08
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	52	0	25	1.30E-07	5.23E-04	1.35E-06	1.14E-10	0.00E+00	1.45E-10	1.45E-10	0.00E+00	1.33E-10	1.33E-10	1.15E-05	8.23E-11	1.50E-09
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	6260	24	25	1.57E-05	6.30E-02	1.62E-04	1.37E-08	0.00E+00	1.75E-08	1.75E-08	0.00E+00	1.61E-08	1.61E-08	1.38E-03	9.91E-09	1.81E-07
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	7512	29	25	1.88E-05	7.56E-02	1.94E-04	1.64E-08	0.00E+00	2.10E-08	2.10E-08	0.00E+00	1.93E-08	1.93E-08	1.66E-03	1.19E-08	2.17E-07
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	7512	29	25	1.88E-05	7.56E-02	1.94E-04	1.64E-08	0.00E+00	2.10E-08	2.10E-08	0.00E+00	1.93E-08	1.93E-08	1.66E-03	1.19E-08	2.17E-07
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	5008	19	25	1.26E-05	5.04E-02	1.30E-04	1.09E-08	0.00E+00	1.40E-08	1.40E-08	0.00E+00	1.28E-08	1.28E-08	1.11E-03	7.93E-09	1.45E-07
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	624	2	25	1.57E-06	6.28E-03	1.61E-05	1.36E-09	0.00E+00	1.74E-09	1.74E-09	0.00E+00	1.60E-09	1.60E-09	1.38E-04	9.88E-10	1.80E-08
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	528	2	25	1.32E-06	5.31E-03	1.37E-05	1.15E-09	0.00E+00	1.47E-09	1.47E-09	0.00E+00	1.35E-09	1.35E-09	1.17E-04	8.36E-10	1.53E-08
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	2945	11	25	6.48E-06	2.96E-02	7.68E-05	6.34E-09	0.00E+00	7.63E-09	7.63E-09	0.00E+00	7.02E-09	7.02E-09	6.41E-04	4.62E-09	7.19E-08
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	26	0	25	5.72E-08	2.62E-04	6.78E-07	5.60E-11	0.00E+00	6.74E-11	6.74E-11	0.00E+00	6.19E-11	6.19E-11	5.66E-06	4.08E-11	6.35E-10
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	3442	13	25	7.57E-06	3.46E-02	8.98E-05	7.41E-09	0.00E+00	8.92E-09	8.92E-09	0.00E+00	8.20E-09	8.20E-09	7.49E-04	5.40E-09	8.40E-08
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	5848.5	22	25	1.29E-05	5.89E-02	1.53E-04	1.26E-08	0.00E+00	1.52E-08	1.52E-08	0.00E+00	1.39E-08	1.39E-08	1.27E-03	9.18E-09	1.43E-07
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	2191	8	25	4.82E-06	2.20E-02	5.71E-05	4.72E-09	0.00E+00	5.68E-09	5.68E-09	0.00E+00	5.22E-09	5.22E-09	4.77E-04	3.44E-09	5.35E-08
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	2556	10	25	5.62E-06	2.57E-02	6.67E-05	5.50E-09	0.00E+00	6.62E-09	6.62E-09	0.00E+00	6.09E-09	6.09E-09	5.56E-04	4.01E-09	6.24E-08
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	3756	14	25	8.26E-06	3.78E-02	9.80E-05	8.09E-09	0.00E+00	9.73E-09	9.73E-09	0.00E+00	8.95E-09	8.95E-09	8.17E-04	5.89E-09	9.17E-08
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	3130	12	25	6.89E-06	3.15E-02	8.16E-05	6.74E-09	0.00E+00	8.11E-09	8.11E-09	0.00E+00	7.46E-09	7.46E-09	6.81E-04	4.91E-09	7.64E-08
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	2816	11	25	6.20E-06	2.83E-02	7.35E-05	6.06E-09	0.00E+00	7.30E-09	7.30E-09	0.00E+00	6.71E-09	6.71E-09	6.13E-04	4.42E-09	6.88E-08
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	264	1	25	5.81E-07	2.66E-03	6.89E-06	5.69E-10	0.00E+00	6.84E-10	6.84E-10	0.00E+00	6.29E-10	6.29E-10	5.75E-05	4.14E-10	6.45E-09
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	4185	16	25	8.45E-06	4.23E-02	1.09E-04	9.02E-09	0.00E+00	1.06E-08	1.06E-08	0.00E+00	9.75E-09	9.75E-09	9.11E-04	6.57E-09	8.57E-08
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	624	2	25	1.26E-06	6.30E-03	1.63E-05	1.34E-09	0.00E+00	1.58E-09	1.58E-09	0.00E+00	1.45E-09	1.45E-09	1.36E-04	9.80E-10	1.28E-08
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	4185	16	25	8.45E-06	4.23E-02	1.09E-04	9.02E-09	0.00E+00	1.06E-08	1.06E-08	0.00E+00	9.75E-09	9.75E-09	9.11E-04	6.57E-09	8.57E-08
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	2191	8	25	4.42E-06	2.21E-02	5.73E-05	4.72E-09	0.00E+00	5.55E-09	5.55E-09	0.00E+00	5.10E-09	5.10E-09	4.77E-04	3.44E-09	4.49E-08
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	104	0	25	2.10E-07	1.05E-03	2.72E-06	2.24E-10	0.00E+00	2.64E-10	2.64E-10	0.00E+00	2.42E-10	2.42E-10	2.27E-05	1.63E-10	2.13E-09
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	7512	29	25	1.52E-05	7.59E-02	1.96E-04	1.62E-08	0.00E+00	1.90E-08	1.90E-08	0.00E+00	1.75E-08	1.75E-08	1.64E-03	1.18E-08	1.54E-07
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	6260	24	25	1.26E-05	6.32E-02	1.64E-04	1.35E-08	0.00E+00	1.59E-08	1.59E-08	0.00E+00	1.46E-08	1.46E-08	1.36E-03	9.83E-09	1.28E-07
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	5008	19	25	1.01E-05	5.06E-02	1.31E-04	1.08E-08	0.00E+00	1.27E-08	1.27E-08	0.00E+00	1.17E-08	1.17E-08	1.09E-03	7.86E-09	1.03E-07
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	2635	10	25	4.74E-06	2.65E-02	6.84E-05	5.63E-09	0.00E+00	6.32E-09	6.32E-09	0.00E+00	5.81E-09	5.81E-09	5.69E-04	4.11E-09	4.53E-08
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	3442	13	25	6.19E-06	3.47E-02	8.94E-05	7.35E-09	0.00E+00	8.25E-09	8.25E-09	0.00E+00	7.59E-09	7.59E-09	7.43E-04	5.36E-09	5.92E-08
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	3442	13	25	6.19E-06	3.47E-02	8.94E-05	7.35E-09	0.00E+00	8.25E-09	8.25E-09	0.00E+00	7.59E-09	7.59E-09	7.43E-04	5.36E-09	5.92E-08
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	5848.5	22	25	1.05E-05	5.89E-02	1.52E-04	1.25E-08	0.00E+00	1.40E-08	1.40E-08	0.00E+00	1.29E-08	1.29E-08	1.26E-03	9.11E-09	1.01E-07
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	2191	8	25	3.94E-06	2.21E-02	5.69E-05	4.68E-09	0.00E+00	5.25E-09	5.25E-09	0.00E+00	4.83E-09	4.83E-09	4.73E-04	3.41E-09	3.77E-08
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	2556	10	25	4.60E-06	2.57E-02	6.64E-05	5.46E-09	0.00E+00	6.13E-09	6.13E-09	0.00E+00	5.63E-09	5.63E-09	5.52E-04	3.98E-09	4.40E-08
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	3756	14	25	6.75E-06	3.78E-02	9.75E-05	8.02E-09	0.00E+00	9.00E-09	9.00E-09	0.00E+00	8.28E-09	8.28E-09	8.11E-04	5.85E-09	6.46E-08
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	1408.5	5	25	2.53E-06	1.42E-02	3.66E-05	3.01E-09	0.00E+00	3.38E-09	3.38E-09	0.00E+00	3.10E-09	3.10E-09	3.04E-04	2.19E-09	2.42E-08
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	3130	12	25	5.63E-06	3.15E-02	8.13E-05	6.69E-09	0.00E+00	7.50E-09	7.50E-09	0.00E+00	6.90E-09	6.90E-09	6.76E-04	4.88E-09	5.39E-08
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
								MT/yr			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1705	7	25	261	4.69E-05	3.21E-10	9.13E-09	4.96E-05
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	26	0	25	261	7.15E-07	4.90E-12	1.39E-10	7.56E-07
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	25	261	1.72E-04	1.18E-09	3.35E-08	1.82E-04
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	7512	29	25	261	2.06E-04	1.42E-09	4.02E-08	2.18E-04
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	2191	8	25	261	6.02E-05	4.13E-10	1.17E-08	6.37E-05
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	5008	19	25	261	1.38E-04	9.44E-10	2.68E-08	1.46E-04
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	528	2	25	261	1.45E-05	9.95E-11	2.83E-09	1.54E-05
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	624	2	25	261	1.71E-05	1.18E-10	3.34E-09	1.81E-05
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	1705	7	25	261	4.45E-05	3.19E-10	5.84E-09	4.63E-05
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	52	0	25	261	1.36E-06	9.74E-12	1.78E-10	1.41E-06
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	6260	24	25	261	1.64E-04	1.17E-09	2.14E-08	1.70E-04
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	7512	29	25	261	1.96E-04	1.41E-09	2.57E-08	2.04E-04
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	7512	29	25	261	1.96E-04	1.41E-09	2.57E-08	2.04E-04
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	5008	19	25	261	1.31E-04	9.38E-10	1.71E-08	1.36E-04
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	624	2	25	261	1.63E-05	1.17E-10	2.14E-09	1.69E-05
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	528	2	25	261	1.38E-05	9.89E-11	1.81E-09	1.43E-05
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	2945	11	25	261	7.59E-05	5.47E-10	8.51E-09	7.84E-05
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	26	0	25	261	6.70E-07	4.83E-12	7.52E-11	6.92E-07
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	3442	13	25	261	8.87E-05	6.39E-10	9.95E-09	9.17E-05
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	5848.5	22	25	261	1.51E-04	1.09E-09	1.69E-08	1.56E-04
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	2191	8	25	261	5.64E-05	4.07E-10	6.33E-09	5.83E-05
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	2556	10	25	261	6.59E-05	4.75E-10	7.39E-09	6.81E-05
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	3756	14	25	261	9.68E-05	6.98E-10	1.09E-08	1.00E-04
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	3130	12	25	261	8.06E-05	5.81E-10	9.05E-09	8.34E-05
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	2816	11	25	261	7.26E-05	5.23E-10	8.14E-09	7.50E-05
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	264	1	25	261	6.80E-06	4.90E-11	7.63E-10	7.03E-06
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	4185	16	25	260	1.07E-04	7.75E-10	1.01E-08	1.11E-04
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	624	2	25	260	1.60E-05	1.16E-10	1.51E-09	1.65E-05
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	4185	16	25	260	1.07E-04	7.75E-10	1.01E-08	1.11E-04
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	2191	8	25	260	5.63E-05	4.06E-10	5.29E-09	5.79E-05
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	104	0	25	260	2.67E-06	1.93E-11	2.51E-10	2.75E-06
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	7512	29	25	260	1.93E-04	1.39E-09	1.81E-08	1.98E-04
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	6260	24	25	260	1.61E-04	1.16E-09	1.51E-08	1.65E-04
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	5008	19	25	260	1.29E-04	9.27E-10	1.21E-08	1.32E-04
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	2635	10	25	261	6.73E-05	4.86E-10	5.37E-09	6.89E-05
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	3442	13	25	261	8.79E-05	6.35E-10	7.01E-09	9.01E-05
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	3442	13	25	261	8.79E-05	6.35E-10	7.01E-09	9.01E-05
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	5848.5	22	25	261	1.49E-04	1.08E-09	1.19E-08	1.53E-04
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	2191	8	25	261	5.60E-05	4.04E-10	4.46E-09	5.73E-05
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	2556	10	25	261	6.53E-05	4.72E-10	5.21E-09	6.69E-05
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	3756	14	25	261	9.60E-05	6.93E-10	7.65E-09	9.83E-05
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	1408.5	5	25	261	3.60E-05	2.60E-10	2.87E-09	3.69E-05
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	3130	12	25	261	8.00E-05	5.77E-10	6.38E-09	8.19E-05
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00

World Logistics Center-Construction Plots 5,10,8,6,7, and 11 (2025-2029)-Unmitigated

South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	40,600.00	1000sqft	2,419.90	40,600,000.00	0
Parking Lot	123.60	Acre	123.60	5,384,016.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Construction Assumptions

Construction Phase - Project schedule

Construction Off-road Equipment Mitigation -

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2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2025	7.4809	66.0972	72.8983	0.1634	11.0224	2.6488	13.6712	5.5293	2.4405	7.9698	0.0000	14,328.9497	14,328.9497	4.5730	0.0000	14,443.2737
2026	5.6759	50.6430	50.4023	0.1179	7.2944	2.0095	9.3039	3.3911	1.8508	5.2419	0.0000	10,342.0269	10,342.0269	3.3124	0.0000	10,424.8359
2027	5.4278	48.8695	47.6622	0.1087	4.7302	1.9393	6.6696	2.2464	1.7862	4.0326	0.0000	9,531.2647	9,531.2647	3.0501	0.0000	9,607.5182
2028	5.5793	50.3231	49.3097	0.1111	6.3857	2.0064	8.3921	2.4185	1.8477	4.2662	0.0000	9,748.9258	9,748.9258	3.1225	0.0000	9,826.9874
2029	5.3240	47.9793	47.3225	0.1059	7.1327	1.9097	9.0424	2.5058	1.7588	4.2646	0.0000	9,292.0972	9,292.0972	2.9746	0.0000	9,366.4621
Maximum	**7.4809**	**66.0972**	**72.8983**	**0.1634**	**11.0224**	**2.6488**	**13.6712**	**5.5293**	**2.4405**	**7.9698**	**0.0000**	**14,328.9497**	**14,328.9497**	**4.5730**	**0.0000**	**14,443.2737**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2025	7.4809	66.0971	72.8982	0.1634	4.2988	2.6488	6.9475	2.1564	2.4405	4.5970	0.0000	14,328.9326	14,328.9326	4.5730	0.0000	14,443.2565
2026	5.6759	50.6429	50.4022	0.1179	2.8448	2.0095	4.8543	1.3225	1.8508	3.1733	0.0000	10,342.0146	10,342.0146	3.3124	0.0000	10,424.8235
2027	5.4278	48.8694	47.6622	0.1087	1.8448	1.9393	3.7841	0.8761	1.7862	2.6623	0.0000	9,531.2533	9,531.2533	3.0501	0.0000	9,607.5068
2028	5.5793	50.3230	49.3096	0.1111	2.4904	2.0064	4.4968	0.9432	1.8477	2.7909	0.0000	9,748.9142	9,748.9142	3.1225	0.0000	9,826.9757
2029	5.3240	47.9792	47.3224	0.1059	2.7817	1.9097	4.6914	0.9773	1.7588	2.7360	0.0000	9,292.0861	9,292.0861	2.9746	0.0000	9,366.4509

Maximum	7.4809	66.0971	72.8982	0.1634	4.2988	2.6488	6.9475	2.1564	2.4405	4.5970	0.0000	14,328.9326	14,328.9326	4.5730	0.0000	14,443.2565

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	61.00	0.00	47.38	61.00	0.00	38.08	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
21	1-1-2025	3-31-2025	18.1227	18.1227
22	4-1-2025	6-30-2025	18.3241	18.3241
23	7-1-2025	9-30-2025	18.5254	18.5254
24	10-1-2025	12-31-2025	18.5254	18.5254
25	1-1-2026	3-31-2026	13.8716	13.8716
26	4-1-2026	6-30-2026	14.0258	14.0258
27	7-1-2026	9-30-2026	14.1799	14.1799
28	10-1-2026	12-31-2026	14.1799	14.1799
29	1-1-2027	3-31-2027	13.3737	13.3737
30	4-1-2027	6-30-2027	13.5223	13.5223
31	7-1-2027	9-30-2027	13.6709	13.6709
32	10-1-2027	12-31-2027	13.6709	13.6709
33	1-1-2028	3-31-2028	13.9756	13.9756
34	4-1-2028	6-30-2028	13.9756	13.9756
35	7-1-2028	9-30-2028	14.1292	14.1292
36	10-1-2028	12-31-2028	14.1292	14.1292
37	1-1-2029	3-31-2029	13.1289	13.1289
38	4-1-2029	6-30-2029	13.2748	13.2748
39	7-1-2029	9-30-2029	13.4207	13.4207
		Highest	18.5254	18.5254

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	165.9964	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758
Energy	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	35,527.5807	35,527.5807	1.3695	0.3465	35,665.0832
Waste						0.0000	0.0000		0.0000	0.0000	7,746.9471	0.0000	7,746.9471	457.8315	0.0000	19,192.7336
Water						0.0000	0.0000		0.0000	0.0000	2,978.6172	38,951.7603	41,930.3775	307.5407	7.5564	51,870.7141
Total	**166.4408**	**4.0447**	**3.9101**	**0.0243**		**0.3089**	**0.3089**		**0.3089**	**0.3089**	**10,725.5643**	**74,480.3517**	**85,205.9160**	**766.7442**	**7.9030**	**106,729.6066**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	165.9964	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758
Energy	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	35,527.5807	35,527.5807	1.3695	0.3465	35,665.0832
Waste						0.0000	0.0000		0.0000	0.0000	7,746.9471	0.0000	7,746.9471	457.8315	0.0000	19,192.7336
Water						0.0000	0.0000		0.0000	0.0000	2,978.6172	38,951.7603	41,930.3775	307.5407	7.5564	51,870.7141
Total	**166.4408**	**4.0447**	**3.9101**	**0.0243**		**0.3089**	**0.3089**		**0.3089**	**0.3089**	**10,725.5643**	**74,480.3517**	**85,205.9160**	**766.7442**	**7.9030**	**106,729.6066**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Plots 5 and 10 (2025) Mass Excavation	Grading	1/1/2025	12/31/2025	5	261	11
2	Plots 5 and 10 (2025) Finish Grading	Grading	1/1/2025	12/31/2025	5	261	12
3	Plots 5 and 10 (2025) Utilities	Trenching	1/1/2025	12/31/2025	5	261	13
4	Plots 5 and 10 (2025) Building-Concrete	Building Construction	1/1/2025	12/31/2025	5	261	14
5	Plots 5 and 10 (2025) Building-Wet Utilities	Building Construction	1/1/2025	12/31/2025	5	261	15
6	Plots 5 and 10 (2025) Building-Electrical	Building Construction	1/1/2025	12/31/2025	5	261	16
7	Plots 5 and 10 (2025) Building-Landscaping	Building Construction	1/1/2025	12/31/2025	5	261	17
8	Plots 5 and 10 (2025) Landscaping	Building Construction	1/1/2025	12/31/2025	5	261	19
9	Plots 5 and 10 (2025) Temporary Utilities	Building Construction	1/1/2025	12/31/2025	5	261	20
10	Plots 5 and 10 (2025) Curbing/Drive Approaches	Paving	1/1/2025	12/31/2025	5	261	21
11	Plots 5 and 10 (2025) Paving	Paving	1/1/2025	12/31/2025	5	261	22
12	Plots 10 and 8 (2026) Mass Excavation	Grading	1/1/2026	12/31/2026	5	261	23
13	Plots 10 and 8 (2026) Finish Grading	Grading	1/1/2026	12/31/2026	5	261	24
14	Plots 10 and 8 (2026) Utilities	Trenching	1/1/2026	12/31/2026	5	261	25
15	Plots 10 and 8 (2026) Building-Concrete	Building Construction	1/1/2026	12/31/2026	5	261	26
16	Plots 10 and 8 (2026) Building-Wet Utilities	Building Construction	1/1/2026	12/31/2026	5	261	27
17	Plots 10 and 8 (2026) Building-Electrical	Building Construction	1/1/2026	12/31/2026	5	261	28
18	Plots 10 and 8 (2026) Building-Landscaping	Building Construction	1/1/2026	12/31/2026	5	261	29
19	Plots 10 and 8 (2026) Landscaping	Building Construction	1/1/2026	12/31/2026	5	261	30
20	Plots 10 and 8 (2026) Temporary Utilities	Building Construction	1/1/2026	12/31/2026	5	261	31
21	Plots 10 and 8 (2026) Curbing/Drive Approaches	Paving	1/1/2026	12/31/2026	5	261	32
22	Plots 10 and 8 (2026) Paving	Paving	1/1/2026	12/31/2026	5	261	33
23	Plot 8 (2027) Mass Excavation	Grading	1/1/2027	12/31/2027	5	261	34
24	Plot 8 (2027) Finish Grading	Grading	1/1/2027	12/31/2027	5	261	35
25	Plot 8 (2027) Utilities	Trenching	1/1/2027	12/31/2027	5	261	36
26	Plot 8 (2027) Building-Concrete	Building Construction	1/1/2027	12/31/2027	5	261	37
27	Plot 8 (2027) Building-Wet Utilities	Building Construction	1/1/2027	12/31/2027	5	261	38
28	Plot 8 (2027) Building-Electrical	Building Construction	1/1/2027	12/31/2027	5	261	39
29	Plot 8 (2027) Building-Landscaping	Building Construction	1/1/2027	12/31/2027	5	261	40
30	Plot 8 (2027) Landscaping	Building Construction	1/1/2027	12/31/2027	5	261	41

31	Plot 8 (2027) Temporary Utilities	Building Construction	1/1/2027	12/31/2027	5	261	42
32	Plot 8 (2027) Curbing/Drive Approaches	Paving	1/1/2027	12/31/2027	5	261	43
33	Plot 8 (2027) Paving	Paving	1/1/2027	12/31/2027	5	261	44
34	Plots 11 and 6,7 (2028) Mass Excavation	Grading	1/1/2028	12/31/2028	5	260	45
35	Plots 11 and 6,7 (2028) Finish Grading	Grading	1/1/2028	12/31/2028	5	260	46
36	Plots 11 and 6,7 (2028) Utilities	Trenching	1/1/2028	12/31/2028	5	260	47
37	Plots 11 and 6,7 (2028) Building-Concrete	Building Construction	1/1/2028	12/31/2028	5	260	48
38	Plots 11 and 6,7 (2028) Building-Wet Utilities	Building Construction	1/1/2028	12/31/2028	5	260	49
39	Plots 11 and 6,7 (2028) Building-Electrical	Building Construction	1/1/2028	12/31/2028	5	260	50
40	Plots 11 and 6,7 (2028) Building-Landscaping	Building Construction	1/1/2028	12/31/2028	5	260	51
41	Plots 11 and 6,7 (2028) Landscaping	Building Construction	1/1/2028	12/31/2028	5	260	52
42	Plots 11 and 6,7 (2028) Temporary Utilities	Building Construction	1/1/2028	12/31/2028	5	260	53
43	Plots 11 and 6,7 (2028) Curbing/Drive Approaches	Paving	1/1/2028	12/31/2028	5	260	54
44	Plots 11 and 6,7 (2028) Paving	Paving	1/1/2028	12/31/2028	5	260	55
45	Plot 11 (2029) Mass Excavation	Grading	1/1/2029	12/31/2029	5	261	56
46	Plot 11 (2029) Finish Grading	Grading	1/1/2029	12/31/2029	5	261	57
47	Plot 11 (2029) Utilities	Trenching	1/1/2029	12/31/2029	5	261	58
48	Plot 11 (2029) Building-Concrete	Building Construction	1/1/2029	12/31/2029	5	261	59
49	Plot 11 (2029) Building-Wet Utilities	Building Construction	1/1/2029	12/31/2029	5	261	60
50	Plot 11 (2029) Building-Electrical	Building Construction	1/1/2029	12/31/2029	5	261	61
51	Plot 11 (2029) Building-Landscaping	Building Construction	1/1/2029	12/31/2029	5	261	62
52	Plot 11 (2029) Landscaping	Building Construction	1/1/2029	12/31/2029	5	261	63
53	Plot 11 (2029) Temporary Utilities	Building Construction	1/1/2029	12/31/2029	5	261	64
54	Plot 11 (2029) Curbing/Drive Approaches	Paving	1/1/2029	12/31/2029	5	261	65
55	Plot 11 (2029) Paving	Paving	1/1/2029	12/31/2029	5	261	66

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 123.6

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Plots 5 and 10 (2025) Mass Excavation	Graders	1	10.00	193	0.41
Plots 5 and 10 (2025) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plots 5 and 10 (2025) Mass Excavation	Other Material Handling Equipment	4	1.00	167	0.40
Plots 5 and 10 (2025) Mass Excavation	Other Material Handling Equipment	4	1.00	167	0.40
Plots 5 and 10 (2025) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 5 and 10 (2025) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 5 and 10 (2025) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 5 and 10 (2025) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 5 and 10 (2025) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plots 5 and 10 (2025) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plots 5 and 10 (2025) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plots 5 and 10 (2025) Mass Excavation	Rubber Tired Dozers	3	10.00	85	0.40
Plots 5 and 10 (2025) Mass Excavation	Scrapers	2	10.00	550	0.48
Plots 5 and 10 (2025) Mass Excavation	Scrapers	7	10.00	550	0.48
Plots 5 and 10 (2025) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 5 and 10 (2025) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 5 and 10 (2025) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 5 and 10 (2025) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plots 5 and 10 (2025) Finish Grading	Rubber Tired Dozers	3	10.00	85	0.40
Plots 5 and 10 (2025) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 5 and 10 (2025) Utilities	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 5 and 10 (2025) Utilities	Excavators	2	10.00	523	0.38
Plots 5 and 10 (2025) Utilities	Excavators	10	10.00	286	0.38
Plots 5 and 10 (2025) Utilities	Excavators	2	10.00	190	0.38
Plots 5 and 10 (2025) Utilities	Excavators	4	10.00	396	0.38
Plots 5 and 10 (2025) Utilities	Excavators	2	10.00	190	0.38
Plots 5 and 10 (2025) Utilities	Excavators	2	10.00	188	0.38
Plots 5 and 10 (2025) Utilities	Excavators	8	10.00	40	0.38
Plots 5 and 10 (2025) Utilities	Forklifts	4	10.00	89	0.20
Plots 5 and 10 (2025) Utilities	Other Material Handling Equipment	8	1.00	167	0.40

Plots 5 and 10 (2025) Utilities	Other Material Handling Equipment	18	1.00	167	0.40
Plots 5 and 10 (2025) Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 5 and 10 (2025) Utilities	Tractors/Loaders/Backhoes	8	10.00	90	0.37
Plots 5 and 10 (2025) Building-Concrete	Cement and Mortar Mixers	20	1.00	9	0.56
Plots 5 and 10 (2025) Building-Concrete	Other Material Handling Equipment	2	1.00	167	0.40
Plots 5 and 10 (2025) Building-Concrete	Pumps	2	10.00	84	0.74
Plots 5 and 10 (2025) Building-Concrete	Tractors/Loaders/Backhoes	6	10.00	90	0.37
Plots 5 and 10 (2025) Building-Wet Utilities	Excavators	2	10.00	300	0.38
Plots 5 and 10 (2025) Building-Wet Utilities	Excavators	2	10.00	179	0.38
Plots 5 and 10 (2025) Building-Wet Utilities	Excavators	2	10.00	173	0.38
Plots 5 and 10 (2025) Building-Wet Utilities	Other Material Handling Equipment	10	1.00	167	0.40
Plots 5 and 10 (2025) Building-Wet Utilities	Rubber Tired Loaders	6	10.00	152	0.36
Plots 5 and 10 (2025) Building-Wet Utilities	Tractors/Loaders/Backhoes	6	10.00	108	0.37
Plots 5 and 10 (2025) Building-Wet Utilities	Tractors/Loaders/Backhoes	4	10.00	85	0.37
Plots 5 and 10 (2025) Building-Electrical	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 5 and 10 (2025) Building-Electrical	Excavators	6	10.00	40	0.38
Plots 5 and 10 (2025) Building-Electrical	Forklifts	4	10.00	89	0.20
Plots 5 and 10 (2025) Building-Electrical	Other Material Handling Equipment	6	1.00	167	0.40
Plots 5 and 10 (2025) Building-Electrical	Tractors/Loaders/Backhoes	6	10.00	90	0.37
Plots 5 and 10 (2025) Building-Landscaping	Excavators	2	10.00	29	0.38
Plots 5 and 10 (2025) Building-Landscaping	Forklifts	2	10.00	125	0.20
Plots 5 and 10 (2025) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plots 5 and 10 (2025) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plots 5 and 10 (2025) Building-Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 5 and 10 (2025) Building-Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 5 and 10 (2025) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 5 and 10 (2025) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plots 5 and 10 (2025) Building-Landscaping	Trenchers	2	10.00	39	0.50
Plots 5 and 10 (2025) Landscaping	Excavators	2	10.00	29	0.38
Plots 5 and 10 (2025) Landscaping	Forklifts	2	10.00	125	0.20
Plots 5 and 10 (2025) Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 5 and 10 (2025) Landscaping	Other Material Handling Equipment	10	1.00	167	0.40

Plots 5 and 10 (2025) Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 5 and 10 (2025) Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 5 and 10 (2025) Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 5 and 10 (2025) Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plots 5 and 10 (2025) Landscaping	Trenchers	2	10.00	39	0.50
Plots 5 and 10 (2025) Temporary Utilities	Cranes	2	10.00	445	0.29
Plots 5 and 10 (2025) Curbing/Drive Approaches	Cement and Mortar Mixers	6	1.00	9	0.56
Plots 5 and 10 (2025) Curbing/Drive Approaches	Other Material Handling Equipment	6	1.00	167	0.40
Plots 5 and 10 (2025) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plots 5 and 10 (2025) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plots 5 and 10 (2025) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plots 5 and 10 (2025) Paving	Other Material Handling Equipment	6	1.00	167	0.40
Plots 5 and 10 (2025) Paving	Pavers	2	10.00	126	0.42
Plots 5 and 10 (2025) Paving	Paving Equipment	2	10.00	131	0.36
Plots 5 and 10 (2025) Paving	Plate Compactors	2	10.00	8	0.43
Plots 5 and 10 (2025) Paving	Rollers	2	10.00	81	0.38
Plots 5 and 10 (2025) Paving	Scrapers	2	10.00	362	0.48
Plots 5 and 10 (2025) Paving	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 10 and 8 (2026) Mass Excavation	Graders	1	10.00	193	0.41
Plots 10 and 8 (2026) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plots 10 and 8 (2026) Mass Excavation	Other Material Handling Equipment	4	1.00	167	0.40
Plots 10 and 8 (2026) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plots 10 and 8 (2026) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 10 and 8 (2026) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 10 and 8 (2026) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 10 and 8 (2026) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 10 and 8 (2026) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plots 10 and 8 (2026) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plots 10 and 8 (2026) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plots 10 and 8 (2026) Mass Excavation	Rubber Tired Dozers	2	10.00	85	0.40
Plots 10 and 8 (2026) Mass Excavation	Scrapers	2	10.00	550	0.48
Plots 10 and 8 (2026) Mass Excavation	Scrapers	6	10.00	550	0.48

Plots 10 and 8 (2026) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 10 and 8 (2026) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 10 and 8 (2026) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 10 and 8 (2026) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plots 10 and 8 (2026) Finish Grading	Rubber Tired Dozers	2	10.00	85	0.40
Plots 10 and 8 (2026) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 10 and 8 (2026) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plots 10 and 8 (2026) Utilities	Excavators	1	10.00	523	0.38
Plots 10 and 8 (2026) Utilities	Excavators	10	10.00	286	0.38
Plots 10 and 8 (2026) Utilities	Excavators	1	10.00	190	0.38
Plots 10 and 8 (2026) Utilities	Excavators	2	10.00	396	0.38
Plots 10 and 8 (2026) Utilities	Excavators	1	10.00	190	0.38
Plots 10 and 8 (2026) Utilities	Excavators	1	10.00	188	0.38
Plots 10 and 8 (2026) Utilities	Excavators	4	10.00	40	0.38
Plots 10 and 8 (2026) Utilities	Forklifts	2	10.00	89	0.20
Plots 10 and 8 (2026) Utilities	Other Material Handling Equipment	4	1.00	167	0.40
Plots 10 and 8 (2026) Utilities	Other Material Handling Equipment	10	1.00	167	0.40
Plots 10 and 8 (2026) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 10 and 8 (2026) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 10 and 8 (2026) Building-Concrete	Cement and Mortar Mixers	20	1.00	9	0.56
Plots 10 and 8 (2026) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plots 10 and 8 (2026) Building-Concrete	Pumps	1	10.00	84	0.74
Plots 10 and 8 (2026) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 10 and 8 (2026) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plots 10 and 8 (2026) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plots 10 and 8 (2026) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plots 10 and 8 (2026) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 10 and 8 (2026) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plots 10 and 8 (2026) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plots 10 and 8 (2026) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 10 and 8 (2026) Building-Electrical	Cement and Mortar Mixers	5	1.00	9	0.56
Plots 10 and 8 (2026) Building-Electrical	Excavators	4	10.00	40	0.38

Plots 10 and 8 (2026) Building-Electrical	Forklifts	2	10.00	89	0.20
Plots 10 and 8 (2026) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plots 10 and 8 (2026) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 10 and 8 (2026) Building-Landscaping	Excavators	1	10.00	29	0.38
Plots 10 and 8 (2026) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plots 10 and 8 (2026) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 10 and 8 (2026) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plots 10 and 8 (2026) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 10 and 8 (2026) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 10 and 8 (2026) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 10 and 8 (2026) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 10 and 8 (2026) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plots 10 and 8 (2026) Landscaping	Excavators	1	10.00	29	0.38
Plots 10 and 8 (2026) Landscaping	Forklifts	1	10.00	125	0.20
Plots 10 and 8 (2026) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plots 10 and 8 (2026) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plots 10 and 8 (2026) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 10 and 8 (2026) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 10 and 8 (2026) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 10 and 8 (2026) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 10 and 8 (2026) Landscaping	Trenchers	1	10.00	39	0.50
Plots 10 and 8 (2026) Temporary Utilities	Cranes	1	10.00	445	0.29
Plots 10 and 8 (2026) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plots 10 and 8 (2026) Curbing/Drive Approaches	Other Material Handling Equipment	4	1.00	167	0.40
Plots 10 and 8 (2026) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plots 10 and 8 (2026) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plots 10 and 8 (2026) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plots 10 and 8 (2026) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plots 10 and 8 (2026) Paving	Pavers	1	10.00	126	0.42
Plots 10 and 8 (2026) Paving	Paving Equipment	1	10.00	131	0.36
Plots 10 and 8 (2026) Paving	Plate Compactors	1	10.00	8	0.43
Plots 10 and 8 (2026) Paving	Rollers	1	10.00	81	0.38

Plots 10 and 8 (2026) Paving	Scrapers	1	10.00	362	0.48
Plots 10 and 8 (2026) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37
Plot 8 (2027) Mass Excavation	Graders	1	10.00	193	0.41
Plot 8 (2027) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plot 8 (2027) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plot 8 (2027) Mass Excavation	Other Material Handling Equipment	4	1.00	167	0.40
Plot 8 (2027) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 8 (2027) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 8 (2027) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plot 8 (2027) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plot 8 (2027) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plot 8 (2027) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plot 8 (2027) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plot 8 (2027) Mass Excavation	Rubber Tired Dozers	2	10.00	85	0.40
Plot 8 (2027) Mass Excavation	Scrapers	2	10.00	550	0.48
Plot 8 (2027) Mass Excavation	Scrapers	6	10.00	550	0.48
Plot 8 (2027) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 8 (2027) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 8 (2027) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 8 (2027) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plot 8 (2027) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plot 8 (2027) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 8 (2027) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 8 (2027) Utilities	Excavators	1	10.00	523	0.38
Plot 8 (2027) Utilities	Excavators	5	10.00	286	0.38
Plot 8 (2027) Utilities	Excavators	1	10.00	190	0.38
Plot 8 (2027) Utilities	Excavators	2	10.00	396	0.38
Plot 8 (2027) Utilities	Excavators	1	10.00	190	0.38
Plot 8 (2027) Utilities	Excavators	1	10.00	188	0.38
Plot 8 (2027) Utilities	Excavators	4	10.00	40	0.38
Plot 8 (2027) Utilities	Forklifts	2	10.00	89	0.20
Plot 8 (2027) Utilities	Other Material Handling Equipment	4	1.00	167	0.40

Plot 8 (2027) Utilities	Other Material Handling Equipment	10	1.00	167	0.40
Plot 8 (2027) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 8 (2027) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 8 (2027) Building-Concrete	Cement and Mortar Mixers	20	1.00	9	0.56
Plot 8 (2027) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plot 8 (2027) Building-Concrete	Pumps	1	10.00	84	0.74
Plot 8 (2027) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 8 (2027) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plot 8 (2027) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plot 8 (2027) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plot 8 (2027) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 8 (2027) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plot 8 (2027) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plot 8 (2027) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 8 (2027) Building-Electrical	Cement and Mortar Mixers	5	1.00	9	0.56
Plot 8 (2027) Building-Electrical	Excavators	4	10.00	40	0.38
Plot 8 (2027) Building-Electrical	Forklifts	2	10.00	89	0.20
Plot 8 (2027) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plot 8 (2027) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 8 (2027) Building-Landscaping	Excavators	1	10.00	29	0.38
Plot 8 (2027) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plot 8 (2027) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 8 (2027) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plot 8 (2027) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 8 (2027) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 8 (2027) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 8 (2027) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 8 (2027) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plot 8 (2027) Landscaping	Excavators	1	10.00	29	0.38
Plot 8 (2027) Landscaping	Forklifts	1	10.00	125	0.20
Plot 8 (2027) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plot 8 (2027) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40

Plot 8 (2027) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 8 (2027) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 8 (2027) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 8 (2027) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 8 (2027) Landscaping	Trenchers	1	10.00	39	0.50
Plot 8 (2027) Temporary Utilities	Cranes	1	10.00	445	0.29
Plot 8 (2027) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plot 8 (2027) Curbing/Drive Approaches	Other Material Handling Equipment	2	1.00	167	0.40
Plot 8 (2027) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plot 8 (2027) Paving	Pavers	1	10.00	126	0.42
Plot 8 (2027) Paving	Paving Equipment	1	10.00	131	0.36
Plot 8 (2027) Paving	Plate Compactors	1	10.00	8	0.43
Plot 8 (2027) Paving	Rollers	1	10.00	81	0.38
Plot 8 (2027) Paving	Scrapers	1	10.00	362	0.48
Plot 8 (2027) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37
Plots 11 and 6,7 (2028) Mass Excavation	Graders	1	10.00	193	0.41
Plots 11 and 6,7 (2028) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plots 11 and 6,7 (2028) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Other Material Handling Equipment	4	1.00	167	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 11 and 6,7 (2028) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 11 and 6,7 (2028) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Rubber Tired Dozers	2	10.00	305	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Rubber Tired Dozers	1	10.00	85	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Scrapers	2	10.00	550	0.48
Plots 11 and 6,7 (2028) Mass Excavation	Scrapers	6	10.00	550	0.48
Plots 11 and 6,7 (2028) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 11 and 6,7 (2028) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 6,7 (2028) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40

Plots 11 and 6,7 (2028) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plots 11 and 6,7 (2028) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plots 11 and 6,7 (2028) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 11 and 6,7 (2028) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plots 11 and 6,7 (2028) Utilities	Excavators	1	10.00	523	0.38
Plots 11 and 6,7 (2028) Utilities	Excavators	5	10.00	286	0.38
Plots 11 and 6,7 (2028) Utilities	Excavators	1	10.00	190	0.38
Plots 11 and 6,7 (2028) Utilities	Excavators	2	10.00	396	0.38
Plots 11 and 6,7 (2028) Utilities	Excavators	1	10.00	190	0.38
Plots 11 and 6,7 (2028) Utilities	Excavators	1	10.00	188	0.38
Plots 11 and 6,7 (2028) Utilities	Excavators	4	10.00	40	0.38
Plots 11 and 6,7 (2028) Utilities	Forklifts	2	10.00	89	0.20
Plots 11 and 6,7 (2028) Utilities	Other Material Handling Equipment	4	1.00	167	0.40
Plots 11 and 6,7 (2028) Utilities	Other Material Handling Equipment	10	1.00	167	0.40
Plots 11 and 6,7 (2028) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 11 and 6,7 (2028) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 11 and 6,7 (2028) Building-Concrete	Cement and Mortar Mixers	10	1.00	9	0.56
Plots 11 and 6,7 (2028) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 6,7 (2028) Building-Concrete	Pumps	1	10.00	84	0.74
Plots 11 and 6,7 (2028) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 11 and 6,7 (2028) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plots 11 and 6,7 (2028) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plots 11 and 6,7 (2028) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plots 11 and 6,7 (2028) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 11 and 6,7 (2028) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plots 11 and 6,7 (2028) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plots 11 and 6,7 (2028) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 11 and 6,7 (2028) Building-Electrical	Cement and Mortar Mixers	4	1.00	9	0.56
Plots 11 and 6,7 (2028) Building-Electrical	Excavators	4	10.00	40	0.38
Plots 11 and 6,7 (2028) Building-Electrical	Forklifts	2	10.00	89	0.20
Plots 11 and 6,7 (2028) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plots 11 and 6,7 (2028) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37

Plots 11 and 6,7 (2028) Building-Landscaping	Excavators	1	10.00	29	0.38
Plots 11 and 6,7 (2028) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plots 11 and 6,7 (2028) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 11 and 6,7 (2028) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 11 and 6,7 (2028) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 11 and 6,7 (2028) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 11 and 6,7 (2028) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 11 and 6,7 (2028) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 11 and 6,7 (2028) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plots 11 and 6,7 (2028) Landscaping	Excavators	1	10.00	29	0.38
Plots 11 and 6,7 (2028) Landscaping	Forklifts	1	10.00	125	0.20
Plots 11 and 6,7 (2028) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 6,7 (2028) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plots 11 and 6,7 (2028) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 11 and 6,7 (2028) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 11 and 6,7 (2028) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 11 and 6,7 (2028) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 11 and 6,7 (2028) Landscaping	Trenchers	1	10.00	39	0.50
Plots 11 and 6,7 (2028) Temporary Utilities	Cranes	1	10.00	445	0.29
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	Other Material Handling Equipment	2	1.00	167	0.40
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plots 11 and 6,7 (2028) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plots 11 and 6,7 (2028) Paving	Pavers	1	10.00	126	0.42
Plots 11 and 6,7 (2028) Paving	Paving Equipment	1	10.00	131	0.36
Plots 11 and 6,7 (2028) Paving	Plate Compactors	1	10.00	8	0.43
Plots 11 and 6,7 (2028) Paving	Rollers	1	10.00	81	0.38
Plots 11 and 6,7 (2028) Paving	Scrapers	1	10.00	362	0.48
Plots 11 and 6,7 (2028) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37
Plot 11 (2029) Mass Excavation	Graders	1	10.00	193	0.41

Plot 11 (2029) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plot 11 (2029) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2029) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2029) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 11 (2029) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 11 (2029) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plot 11 (2029) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plot 11 (2029) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plot 11 (2029) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plot 11 (2029) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plot 11 (2029) Mass Excavation	Rubber Tired Dozers	1	10.00	85	0.40
Plot 11 (2029) Mass Excavation	Scrapers	1	10.00	550	0.48
Plot 11 (2029) Mass Excavation	Scrapers	6	10.00	550	0.48
Plot 11 (2029) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2029) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2029) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2029) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plot 11 (2029) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plot 11 (2029) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2029) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 11 (2029) Utilities	Excavators	1	10.00	523	0.38
Plot 11 (2029) Utilities	Excavators	5	10.00	286	0.38
Plot 11 (2029) Utilities	Excavators	1	10.00	190	0.38
Plot 11 (2029) Utilities	Excavators	2	10.00	396	0.38
Plot 11 (2029) Utilities	Excavators	1	10.00	190	0.38
Plot 11 (2029) Utilities	Excavators	1	10.00	188	0.38
Plot 11 (2029) Utilities	Excavators	4	10.00	40	0.38
Plot 11 (2029) Utilities	Forklifts	2	10.00	89	0.20
Plot 11 (2029) Utilities	Other Material Handling Equipment	4	1.00	167	0.40
Plot 11 (2029) Utilities	Other Material Handling Equipment	10	1.00	167	0.40
Plot 11 (2029) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2029) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37

Plot 11 (2029) Building-Concrete	Cement and Mortar Mixers	10	1.00	9	0.56
Plot 11 (2029) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2029) Building-Concrete	Pumps	1	10.00	84	0.74
Plot 11 (2029) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2029) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plot 11 (2029) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plot 11 (2029) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plot 11 (2029) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 11 (2029) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plot 11 (2029) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plot 11 (2029) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 11 (2029) Building-Electrical	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 11 (2029) Building-Electrical	Excavators	4	10.00	40	0.38
Plot 11 (2029) Building-Electrical	Forklifts	2	10.00	89	0.20
Plot 11 (2029) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2029) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2029) Building-Landscaping	Excavators	1	10.00	29	0.38
Plot 11 (2029) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plot 11 (2029) Building-Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2029) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 11 (2029) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 11 (2029) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 11 (2029) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 11 (2029) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 11 (2029) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plot 11 (2029) Landscaping	Excavators	1	10.00	29	0.38
Plot 11 (2029) Landscaping	Forklifts	1	10.00	125	0.20
Plot 11 (2029) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2029) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plot 11 (2029) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 11 (2029) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 11 (2029) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37

Plot 11 (2029) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 11 (2029) Landscaping	Trenchers	1	10.00	39	0.50
Plot 11 (2029) Temporary Utilities	Cranes	1	10.00	445	0.29
Plot 11 (2029) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plot 11 (2029) Curbing/Drive Approaches	Other Material Handling Equipment	2	1.00	167	0.40
Plot 11 (2029) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plot 11 (2029) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plot 11 (2029) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plot 11 (2029) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2029) Paving	Pavers	1	10.00	126	0.42
Plot 11 (2029) Paving	Paving Equipment	1	10.00	131	0.36
Plot 11 (2029) Paving	Plate Compactors	1	10.00	8	0.43
Plot 11 (2029) Paving	Rollers	1	10.00	81	0.38
Plot 11 (2029) Paving	Scrapers	1	10.00	362	0.48
Plot 11 (2029) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Plots 5 and 10 (2025) Mass Excavation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.0241	0.0000	7.0241	3.3619	0.0000	3.3619	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	3.1247	32.4451	22.0956	0.0580		1.2485	1.2485		1.1486	1.1486	0.0000	5,096.6318	5,096.6318	1.6484	0.0000	5,137.8406
Total	**3.1247**	**32.4451**	**22.0956**	**0.0580**	**7.0241**	**1.2485**	**8.2726**	**3.3619**	**1.1486**	**4.5105**	**0.0000**	**5,096.6318**	**5,096.6318**	**1.6484**	**0.0000**	**5,137.8406**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7394	0.0000	2.7394	1.3111	0.0000	1.3111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1247	32.4450	22.0956	0.0580		1.2485	1.2485		1.1486	1.1486	0.0000	5,096.6257	5,096.6257	1.6484	0.0000	5,137.8345
Total	**3.1247**	**32.4450**	**22.0956**	**0.0580**	**2.7394**	**1.2485**	**3.9879**	**1.3111**	**1.1486**	**2.4598**	**0.0000**	**5,096.6257**	**5,096.6257**	**1.6484**	**0.0000**	**5,137.8345**

3.3 Plots 5 and 10 (2025) Finish Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.9983	0.0000	3.9983	2.1674	0.0000	2.1674	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1004	0.9258	1.0225	1.4200e-003		0.0476	0.0476		0.0438	0.0438	0.0000	124.9307	124.9307	0.0404	0.0000	125.9409
Total	**0.1004**	**0.9258**	**1.0225**	**1.4200e-003**	**3.9983**	**0.0476**	**4.0460**	**2.1674**	**0.0438**	**2.2112**	**0.0000**	**124.9307**	**124.9307**	**0.0404**	**0.0000**	**125.9409**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.5594	0.0000	1.5594	0.8453	0.0000	0.8453	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1004	0.9258	1.0225	1.4200e-003		0.0476	0.0476		0.0438	0.0438	0.0000	124.9306	124.9306	0.0404	0.0000	125.9407
Total	**0.1004**	**0.9258**	**1.0225**	**1.4200e-003**	**1.5594**	**0.0476**	**1.6070**	**0.8453**	**0.0438**	**0.8891**	**0.0000**	**124.9306**	**124.9306**	**0.0404**	**0.0000**	**125.9407**

3.4 Plots 5 and 10 (2025) Utilities - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.3784	10.3830	14.9220	0.0453		0.3927	0.3927		0.3615	0.3615	0.0000	3,976.0207	3,976.0207	1.2846	0.0000	4,008.1360
Total	**1.3784**	**10.3830**	**14.9220**	**0.0453**		**0.3927**	**0.3927**		**0.3615**	**0.3615**	**0.0000**	**3,976.0207**	**3,976.0207**	**1.2846**	**0.0000**	**4,008.1360**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.3784	10.3830	14.9220	0.0453		0.3927	0.3927		0.3614	0.3614	0.0000	3,976.0159	3,976.0159	1.2846	0.0000	4,008.1312
Total	**1.3784**	**10.3830**	**14.9220**	**0.0453**		**0.3927**	**0.3927**		**0.3614**	**0.3614**	**0.0000**	**3,976.0159**	**3,976.0159**	**1.2846**	**0.0000**	**4,008.1312**

3.5 Plots 5 and 10 (2025) Building-Concrete - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2398	2.1777	3.4593	5.4000e-003		0.0895	0.0895		0.0853	0.0853	0.0000	464.6594	464.6594	0.0948	0.0000	467.0299
Total	**0.2398**	**2.1777**	**3.4593**	**5.4000e-003**		**0.0895**	**0.0895**		**0.0853**	**0.0853**	**0.0000**	**464.6594**	**464.6594**	**0.0948**	**0.0000**	**467.0299**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2398	2.1777	3.4593	5.4000e-003		0.0895	0.0895		0.0853	0.0853	0.0000	464.6588	464.6588	0.0948	0.0000	467.0293
Total	**0.2398**	**2.1777**	**3.4593**	**5.4000e-003**		**0.0895**	**0.0895**		**0.0853**	**0.0853**	**0.0000**	**464.6588**	**464.6588**	**0.0948**	**0.0000**	**467.0293**

3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.6536	5.2781	9.6891	0.0177		0.2337	0.2337		0.2150	0.2150	0.0000	1,550.5583	1,550.5583	0.5015	0.0000	1,563.0954
Total	**0.6536**	**5.2781**	**9.6891**	**0.0177**		**0.2337**	**0.2337**		**0.2150**	**0.2150**	**0.0000**	**1,550.5583**	**1,550.5583**	**0.5015**	**0.0000**	**1,563.0954**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6536	5.2781	9.6890	0.0177		0.2337	0.2337		0.2150	0.2150	0.0000	1,550.5565	1,550.5565	0.5015	0.0000	1,563.0935
Total	**0.6536**	**5.2781**	**9.6890**	**0.0177**		**0.2337**	**0.2337**		**0.2150**	**0.2150**	**0.0000**	**1,550.5565**	**1,550.5565**	**0.5015**	**0.0000**	**1,563.0935**

3.7 Plots 5 and 10 (2025) Building-Electrical - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3120	2.8615	4.2772	5.9100e-003		0.1161	0.1161		0.1070	0.1070	0.0000	516.9988	516.9988	0.1659	0.0000	521.1461
Total	**0.3120**	**2.8615**	**4.2772**	**5.9100e-003**		**0.1161**	**0.1161**		**0.1070**	**0.1070**	**0.0000**	**516.9988**	**516.9988**	**0.1659**	**0.0000**	**521.1461**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3120	2.8615	4.2772	5.9100e-003		0.1161	0.1161		0.1070	0.1070	0.0000	516.9981	516.9981	0.1659	0.0000	521.1455
Total	**0.3120**	**2.8615**	**4.2772**	**5.9100e-003**		**0.1161**	**0.1161**		**0.1070**	**0.1070**	**0.0000**	**516.9981**	**516.9981**	**0.1659**	**0.0000**	**521.1455**

3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3022	2.5249	4.2955	6.2100e-003		0.1101	0.1101		0.1013	0.1013	0.0000	545.2614	545.2614	0.1764	0.0000	549.6702
Total	**0.3022**	**2.5249**	**4.2955**	**6.2100e-003**		**0.1101**	**0.1101**		**0.1013**	**0.1013**	**0.0000**	**545.2614**	**545.2614**	**0.1764**	**0.0000**	**549.6702**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3022	2.5249	4.2955	6.2100e-003		0.1101	0.1101		0.1013	0.1013	0.0000	545.2608	545.2608	0.1764	0.0000	549.6695

Total	**0.3022**	**2.5249**	**4.2955**	**6.2100e-003**		**0.1101**	**0.1101**		**0.1013**	**0.1013**	**0.0000**	**545.2608**	**545.2608**	**0.1764**	**0.0000**	**549.6695**

3.9 Plots 5 and 10 (2025) Landscaping - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3167	2.6322	4.5390	6.5800e-003		0.1156	0.1156		0.1064	0.1064	0.0000	578.1936	578.1936	0.1870	0.0000	582.8686
Total	**0.3167**	**2.6322**	**4.5390**	**6.5800e-003**		**0.1156**	**0.1156**		**0.1064**	**0.1064**	**0.0000**	**578.1936**	**578.1936**	**0.1870**	**0.0000**	**582.8686**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3167	2.6322	4.5390	6.5800e-003		0.1156	0.1156		0.1064	0.1064	0.0000	578.1929	578.1929	0.1870	0.0000	582.8679
Total	**0.3167**	**2.6322**	**4.5390**	**6.5800e-003**		**0.1156**	**0.1156**		**0.1064**	**0.1064**	**0.0000**	**578.1929**	**578.1929**	**0.1870**	**0.0000**	**582.8679**

3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1622	1.5997	1.3616	3.6200e-003		0.0653	0.0653		0.0601	0.0601	0.0000	317.9364	317.9364	0.1028	0.0000	320.5070
Total	**0.1622**	**1.5997**	**1.3616**	**3.6200e-003**		**0.0653**	**0.0653**		**0.0601**	**0.0601**	**0.0000**	**317.9364**	**317.9364**	**0.1028**	**0.0000**	**320.5070**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1622	1.5997	1.3616	3.6200e-003		0.0653	0.0653		0.0601	0.0601	0.0000	317.9360	317.9360	0.1028	0.0000	320.5067
Total	**0.1622**	**1.5997**	**1.3616**	**3.6200e-003**		**0.0653**	**0.0653**		**0.0601**	**0.0601**	**0.0000**	**317.9360**	**317.9360**	**0.1028**	**0.0000**	**320.5067**

3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0883	0.7812	1.3711	2.0800e-003		0.0370	0.0370		0.0341	0.0341	0.0000	181.1777	181.1777	0.0576	0.0000	182.6180
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2502**	**0.7812**	**1.3711**	**2.0800e-003**		**0.0370**	**0.0370**		**0.0341**	**0.0341**	**0.0000**	**181.1777**	**181.1777**	**0.0576**	**0.0000**	**182.6180**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0883	0.7812	1.3711	2.0800e-003		0.0370	0.0370		0.0341	0.0341	0.0000	181.1775	181.1775	0.0576	0.0000	182.6178
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2502**	**0.7812**	**1.3711**	**2.0800e-003**		**0.0370**	**0.0370**		**0.0341**	**0.0341**	**0.0000**	**181.1775**	**181.1775**	**0.0576**	**0.0000**	**182.6178**

3.12 Plots 5 and 10 (2025) Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4788	4.4881	5.8655	0.0112		0.1927	0.1927		0.1775	0.1775	0.0000	976.5810	976.5810	0.3136	0.0000	984.4211
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.6407**	**4.4881**	**5.8655**	**0.0112**		**0.1927**	**0.1927**		**0.1775**	**0.1775**	**0.0000**	**976.5810**	**976.5810**	**0.3136**	**0.0000**	**984.4211**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.4788	4.4881	5.8655	0.0112		0.1927	0.1927		0.1775	0.1775	0.0000	976.5798	976.5798	0.3136	0.0000	984.4199
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.6407**	**4.4881**	**5.8655**	**0.0112**		**0.1927**	**0.1927**		**0.1775**	**0.1775**	**0.0000**	**976.5798**	**976.5798**	**0.3136**	**0.0000**	**984.4199**

3.13 Plots 10 and 8 (2026) Mass Excavation - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.2826	0.0000	4.2826	1.7642	0.0000	1.7642	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9816	31.1172	21.0182	0.0542		1.1984	1.1984		1.1025	1.1025	0.0000	4,763.0926	4,763.0926	1.5405	0.0000	4,801.6046
Total	**2.9816**	**31.1172**	**21.0182**	**0.0542**	**4.2826**	**1.1984**	**5.4810**	**1.7642**	**1.1025**	**2.8667**	**0.0000**	**4,763.0926**	**4,763.0926**	**1.5405**	**0.0000**	**4,801.6046**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.6702	0.0000	1.6702	0.6880	0.0000	0.6880	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9816	31.1172	21.0182	0.0542		1.1984	1.1984		1.1025	1.1025	0.0000	4,763.0869	4,763.0869	1.5405	0.0000	4,801.5989
Total	**2.9816**	**31.1172**	**21.0182**	**0.0542**	**1.6702**	**1.1984**	**2.8686**	**0.6880**	**1.1025**	**1.7906**	**0.0000**	**4,763.0869**	**4,763.0869**	**1.5405**	**0.0000**	**4,801.5989**

3.14 Plots 10 and 8 (2026) Finish Grading - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.0118	0.0000	3.0118	1.6269	0.0000	1.6269	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1004	0.9258	1.0225	1.4200e-003		0.0476	0.0476		0.0438	0.0438	0.0000	124.9307	124.9307	0.0404	0.0000	125.9409
Total	**0.1004**	**0.9258**	**1.0225**	**1.4200e-003**	**3.0118**	**0.0476**	**3.0594**	**1.6269**	**0.0438**	**1.6708**	**0.0000**	**124.9307**	**124.9307**	**0.0404**	**0.0000**	**125.9409**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1746	0.0000	1.1746	0.6345	0.0000	0.6345	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1004	0.9258	1.0225	1.4200e-003		0.0476	0.0476		0.0438	0.0438	0.0000	124.9306	124.9306	0.0404	0.0000	125.9407
Total	**0.1004**	**0.9258**	**1.0225**	**1.4200e-003**	**1.1746**	**0.0476**	**1.2222**	**0.6345**	**0.0438**	**0.6783**	**0.0000**	**124.9306**	**124.9306**	**0.0404**	**0.0000**	**125.9407**

3.15 Plots 10 and 8 (2026) Utilities - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.8729	6.3540	9.1646	0.0304		0.2379	0.2379		0.2190	0.2190	0.0000	2,663.2455	2,663.2455	0.8607	0.0000	2,684.7628

Total	**0.8729**	**6.3540**	**9.1646**	**0.0304**		**0.2379**	**0.2379**		**0.2190**	**0.2190**	**0.0000**	**2,663.2455**	**2,663.2455**	**0.8607**	**0.0000**	**2,684.7628**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.8729	6.3540	9.1646	0.0304		0.2379	0.2379		0.2190	0.2190	0.0000	2,663.2424	2,663.2424	0.8607	0.0000	2,684.7596
Total	**0.8729**	**6.3540**	**9.1646**	**0.0304**		**0.2379**	**0.2379**		**0.2190**	**0.2190**	**0.0000**	**2,663.2424**	**2,663.2424**	**0.8607**	**0.0000**	**2,684.7596**

3.16 Plots 10 and 8 (2026) Building-Concrete - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1495	1.3510	2.1174	3.2900e-003		0.0553	0.0553		0.0525	0.0525	0.0000	281.2792	281.2792	0.0616	0.0000	282.8192
Total	**0.1495**	**1.3510**	**2.1174**	**3.2900e-003**		**0.0553**	**0.0553**		**0.0525**	**0.0525**	**0.0000**	**281.2792**	**281.2792**	**0.0616**	**0.0000**	**282.8192**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1495	1.3510	2.1174	3.2900e-003		0.0553	0.0553		0.0525	0.0525	0.0000	281.2788	281.2788	0.0616	0.0000	282.8188
Total	**0.1495**	**1.3510**	**2.1174**	**3.2900e-003**		**0.0553**	**0.0553**		**0.0525**	**0.0525**	**0.0000**	**281.2788**	**281.2788**	**0.0616**	**0.0000**	**282.8188**

3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3377	2.7195	5.0272	9.1100e-003		0.1210	0.1210		0.1114	0.1114	0.0000	799.9783	799.9783	0.2587	0.0000	806.4465
Total	**0.3377**	**2.7195**	**5.0272**	**9.1100e-003**		**0.1210**	**0.1210**		**0.1114**	**0.1114**	**0.0000**	**799.9783**	**799.9783**	**0.2587**	**0.0000**	**806.4465**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3377	2.7195	5.0272	9.1100e-003		0.1210	0.1210		0.1114	0.1114	0.0000	799.9774	799.9774	0.2587	0.0000	806.4456
Total	**0.3377**	**2.7195**	**5.0272**	**9.1100e-003**		**0.1210**	**0.1210**		**0.1114**	**0.1114**	**0.0000**	**799.9774**	**799.9774**	**0.2587**	**0.0000**	**806.4456**

3.18 Plots 10 and 8 (2026) Building-Electrical - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1946	1.7898	2.6656	3.6800e-003		0.0712	0.0712		0.0656	0.0656	0.0000	321.5794	321.5794	0.1032	0.0000	324.1590
Total	**0.1946**	**1.7898**	**2.6656**	**3.6800e-003**		**0.0712**	**0.0712**		**0.0656**	**0.0656**	**0.0000**	**321.5794**	**321.5794**	**0.1032**	**0.0000**	**324.1590**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1946	1.7898	2.6656	3.6800e-003		0.0712	0.0712		0.0656	0.0656	0.0000	321.5790	321.5790	0.1032	0.0000	324.1587
Total	**0.1946**	**1.7898**	**2.6656**	**3.6800e-003**		**0.0712**	**0.0712**		**0.0656**	**0.0656**	**0.0000**	**321.5790**	**321.5790**	**0.1032**	**0.0000**	**324.1587**

3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.1584	1.3161	2.2695	3.2900e-003		0.0578	0.0578		0.0532	0.0532	0.0000	289.0968	289.0968	0.0935	0.0000	291.4343
Total	**0.1584**	**1.3161**	**2.2695**	**3.2900e-003**		**0.0578**	**0.0578**		**0.0532**	**0.0532**	**0.0000**	**289.0968**	**289.0968**	**0.0935**	**0.0000**	**291.4343**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1584	1.3161	2.2695	3.2900e-003		0.0578	0.0578		0.0532	0.0532	0.0000	289.0965	289.0965	0.0935	0.0000	291.4340
Total	**0.1584**	**1.3161**	**2.2695**	**3.2900e-003**		**0.0578**	**0.0578**		**0.0532**	**0.0532**	**0.0000**	**289.0965**	**289.0965**	**0.0935**	**0.0000**	**291.4340**

3.20 Plots 10 and 8 (2026) Landscaping - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1584	1.3161	2.2695	3.2900e-003		0.0578	0.0578		0.0532	0.0532	0.0000	289.0968	289.0968	0.0935	0.0000	291.4343
Total	**0.1584**	**1.3161**	**2.2695**	**3.2900e-003**		**0.0578**	**0.0578**		**0.0532**	**0.0532**	**0.0000**	**289.0968**	**289.0968**	**0.0935**	**0.0000**	**291.4343**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1584	1.3161	2.2695	3.2900e-003		0.0578	0.0578		0.0532	0.0532	0.0000	289.0965	289.0965	0.0935	0.0000	291.4340
Total	**0.1584**	**1.3161**	**2.2695**	**3.2900e-003**		**0.0578**	**0.0578**		**0.0532**	**0.0532**	**0.0000**	**289.0965**	**289.0965**	**0.0935**	**0.0000**	**291.4340**

3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0811	0.7998	0.6808	1.8100e-003		0.0326	0.0326		0.0300	0.0300	0.0000	158.9682	158.9682	0.0514	0.0000	160.2535
Total	**0.0811**	**0.7998**	**0.6808**	**1.8100e-003**		**0.0326**	**0.0326**		**0.0300**	**0.0300**	**0.0000**	**158.9682**	**158.9682**	**0.0514**	**0.0000**	**160.2535**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0811	0.7998	0.6808	1.8100e-003		0.0326	0.0326		0.0300	0.0300	0.0000	158.9680	158.9680	0.0514	0.0000	160.2533

Total	**0.0811**	**0.7998**	**0.6808**	**1.8100e-003**		**0.0326**	**0.0326**		**0.0300**	**0.0300**	**0.0000**	**158.9680**	**158.9680**	**0.0514**	**0.0000**	**160.2533**

3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0782	0.7095	1.2342	1.8600e-003		0.0335	0.0335		0.0309	0.0309	0.0000	162.4689	162.4689	0.0521	0.0000	163.7702
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2401**	**0.7095**	**1.2342**	**1.8600e-003**		**0.0335**	**0.0335**		**0.0309**	**0.0309**	**0.0000**	**162.4689**	**162.4689**	**0.0521**	**0.0000**	**163.7702**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0782	0.7095	1.2342	1.8600e-003		0.0335	0.0335		0.0309	0.0309	0.0000	162.4687	162.4687	0.0521	0.0000	163.7700
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2401**	**0.7095**	**1.2342**	**1.8600e-003**		**0.0335**	**0.0335**		**0.0309**	**0.0309**	**0.0000**	**162.4687**	**162.4687**	**0.0521**	**0.0000**	**163.7700**

3.23 Plots 10 and 8 (2026) Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2394	2.2441	2.9328	5.5800e-003		0.0963	0.0963		0.0888	0.0888	0.0000	488.2905	488.2905	0.1568	0.0000	492.2106
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.4013**	**2.2441**	**2.9328**	**5.5800e-003**		**0.0963**	**0.0963**		**0.0888**	**0.0888**	**0.0000**	**488.2905**	**488.2905**	**0.1568**	**0.0000**	**492.2106**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2394	2.2441	2.9328	5.5800e-003		0.0963	0.0963		0.0888	0.0888	0.0000	488.2899	488.2899	0.1568	0.0000	492.2100
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.4013**	**2.2441**	**2.9328**	**5.5800e-003**		**0.0963**	**0.0963**		**0.0888**	**0.0888**	**0.0000**	**488.2899**	**488.2899**	**0.1568**	**0.0000**	**492.2100**

3.24 Plot 8 (2027) Mass Excavation - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.7176	0.0000	3.7176	1.7032	0.0000	1.7032	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9816	31.1172	21.0182	0.0542		1.1984	1.1984		1.1025	1.1025	0.0000	4,763.0926	4,763.0926	1.5405	0.0000	4,801.6046
Total	**2.9816**	**31.1172**	**21.0182**	**0.0542**	**3.7176**	**1.1984**	**4.9160**	**1.7032**	**1.1025**	**2.8057**	**0.0000**	**4,763.0926**	**4,763.0926**	**1.5405**	**0.0000**	**4,801.6046**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.4499	0.0000	1.4499	0.6642	0.0000	0.6642	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9816	31.1172	21.0182	0.0542		1.1984	1.1984		1.1025	1.1025	0.0000	4,763.0869	4,763.0869	1.5405	0.0000	4,801.5989
Total	**2.9816**	**31.1172**	**21.0182**	**0.0542**	**1.4499**	**1.1984**	**2.6483**	**0.6642**	**1.1025**	**1.7668**	**0.0000**	**4,763.0869**	**4,763.0869**	**1.5405**	**0.0000**	**4,801.5989**

3.25 Plot 8 (2027) Finish Grading - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0126	0.0000	1.0126	0.5432	0.0000	0.5432	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1004	0.9258	1.0225	1.4200e-003		0.0476	0.0476		0.0438	0.0438	0.0000	124.9307	124.9307	0.0404	0.0000	125.9409
Total	**0.1004**	**0.9258**	**1.0225**	**1.4200e-003**	**1.0126**	**0.0476**	**1.0602**	**0.5432**	**0.0438**	**0.5871**	**0.0000**	**124.9307**	**124.9307**	**0.0404**	**0.0000**	**125.9409**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Fugitive Dust					0.3949	0.0000	0.3949	0.2119	0.0000	0.2119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1004	0.9258	1.0225	1.4200e-003		0.0476	0.0476		0.0438	0.0438	0.0000	124.9306	124.9306	0.0404	0.0000	125.9407
Total	**0.1004**	**0.9258**	**1.0225**	**1.4200e-003**	**0.3949**	**0.0476**	**0.4426**	**0.2119**	**0.0438**	**0.2557**	**0.0000**	**124.9306**	**124.9306**	**0.0404**	**0.0000**	**125.9407**

3.26 Plot 8 (2027) Utilities - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6928	5.2183	7.5219	0.0228		0.1978	0.1978		0.1820	0.1820	0.0000	1,996.2434	1,996.2434	0.6450	0.0000	2,012.3676
Total	**0.6928**	**5.2183**	**7.5219**	**0.0228**		**0.1978**	**0.1978**		**0.1820**	**0.1820**	**0.0000**	**1,996.2434**	**1,996.2434**	**0.6450**	**0.0000**	**2,012.3676**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6928	5.2183	7.5219	0.0228		0.1978	0.1978		0.1820	0.1820	0.0000	1,996.2410	1,996.2410	0.6450	0.0000	2,012.3652
Total	**0.6928**	**5.2183**	**7.5219**	**0.0228**		**0.1978**	**0.1978**		**0.1820**	**0.1820**	**0.0000**	**1,996.2410**	**1,996.2410**	**0.6450**	**0.0000**	**2,012.3652**

3.27 Plot 8 (2027) Building-Concrete - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1495	1.3510	2.1174	3.2900e-003		0.0553	0.0553		0.0525	0.0525	0.0000	281.2792	281.2792	0.0616	0.0000	282.8192
Total	**0.1495**	**1.3510**	**2.1174**	**3.2900e-003**		**0.0553**	**0.0553**		**0.0525**	**0.0525**	**0.0000**	**281.2792**	**281.2792**	**0.0616**	**0.0000**	**282.8192**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1495	1.3510	2.1174	3.2900e-003		0.0553	0.0553		0.0525	0.0525	0.0000	281.2788	281.2788	0.0616	0.0000	282.8188
Total	**0.1495**	**1.3510**	**2.1174**	**3.2900e-003**		**0.0553**	**0.0553**		**0.0525**	**0.0525**	**0.0000**	**281.2788**	**281.2788**	**0.0616**	**0.0000**	**282.8188**

3.28 Plot 8 (2027) Building-Wet Utilities - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3377	2.7195	5.0272	9.1100e-003		0.1210	0.1210		0.1114	0.1114	0.0000	799.9783	799.9783	0.2587	0.0000	806.4465

Total	**0.3377**	**2.7195**	**5.0272**	**9.1100e-003**		**0.1210**	**0.1210**		**0.1114**	**0.1114**	**0.0000**	**799.9783**	**799.9783**	**0.2587**	**0.0000**	**806.4465**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3377	2.7195	5.0272	9.1100e-003		0.1210	0.1210		0.1114	0.1114	0.0000	799.9774	799.9774	0.2587	0.0000	806.4456
Total	**0.3377**	**2.7195**	**5.0272**	**9.1100e-003**		**0.1210**	**0.1210**		**0.1114**	**0.1114**	**0.0000**	**799.9774**	**799.9774**	**0.2587**	**0.0000**	**806.4456**

3.29 Plot 8 (2027) Building-Electrical - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1946	1.7898	2.6656	3.6800e-003		0.0712	0.0712		0.0656	0.0656	0.0000	321.5794	321.5794	0.1032	0.0000	324.1590
Total	**0.1946**	**1.7898**	**2.6656**	**3.6800e-003**		**0.0712**	**0.0712**		**0.0656**	**0.0656**	**0.0000**	**321.5794**	**321.5794**	**0.1032**	**0.0000**	**324.1590**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1946	1.7898	2.6656	3.6800e-003		0.0712	0.0712		0.0656	0.0656	0.0000	321.5790	321.5790	0.1032	0.0000	324.1587
Total	**0.1946**	**1.7898**	**2.6656**	**3.6800e-003**		**0.0712**	**0.0712**		**0.0656**	**0.0656**	**0.0000**	**321.5790**	**321.5790**	**0.1032**	**0.0000**	**324.1587**

3.30 Plot 8 (2027) Building-Landscaping - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1584	1.3161	2.2695	3.2900e-003		0.0578	0.0578		0.0532	0.0532	0.0000	289.0968	289.0968	0.0935	0.0000	291.4343
Total	**0.1584**	**1.3161**	**2.2695**	**3.2900e-003**		**0.0578**	**0.0578**		**0.0532**	**0.0532**	**0.0000**	**289.0968**	**289.0968**	**0.0935**	**0.0000**	**291.4343**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1584	1.3161	2.2695	3.2900e-003		0.0578	0.0578		0.0532	0.0532	0.0000	289.0965	289.0965	0.0935	0.0000	291.4340
Total	**0.1584**	**1.3161**	**2.2695**	**3.2900e-003**		**0.0578**	**0.0578**		**0.0532**	**0.0532**	**0.0000**	**289.0965**	**289.0965**	**0.0935**	**0.0000**	**291.4340**

3.31 Plot 8 (2027) Landscaping - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1584	1.3161	2.2695	3.2900e-003		0.0578	0.0578		0.0532	0.0532	0.0000	289.0968	289.0968	0.0935	0.0000	291.4343
Total	**0.1584**	**1.3161**	**2.2695**	**3.2900e-003**		**0.0578**	**0.0578**		**0.0532**	**0.0532**	**0.0000**	**289.0968**	**289.0968**	**0.0935**	**0.0000**	**291.4343**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1584	1.3161	2.2695	3.2900e-003		0.0578	0.0578		0.0532	0.0532	0.0000	289.0965	289.0965	0.0935	0.0000	291.4340
Total	**0.1584**	**1.3161**	**2.2695**	**3.2900e-003**		**0.0578**	**0.0578**		**0.0532**	**0.0532**	**0.0000**	**289.0965**	**289.0965**	**0.0935**	**0.0000**	**291.4340**

3.32 Plot 8 (2027) Temporary Utilities - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.0811	0.7998	0.6808	1.8100e-003		0.0326	0.0326		0.0300	0.0300	0.0000	158.9682	158.9682	0.0514	0.0000	160.2535
Total	**0.0811**	**0.7998**	**0.6808**	**1.8100e-003**		**0.0326**	**0.0326**		**0.0300**	**0.0300**	**0.0000**	**158.9682**	**158.9682**	**0.0514**	**0.0000**	**160.2535**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0811	0.7998	0.6808	1.8100e-003		0.0326	0.0326		0.0300	0.0300	0.0000	158.9680	158.9680	0.0514	0.0000	160.2533
Total	**0.0811**	**0.7998**	**0.6808**	**1.8100e-003**		**0.0326**	**0.0326**		**0.0300**	**0.0300**	**0.0000**	**158.9680**	**158.9680**	**0.0514**	**0.0000**	**160.2533**

3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0102	0.0717	0.1369	2.2000e-004		3.4800e-003	3.4800e-003		3.2600e-003	3.2600e-003	0.0000	18.7088	18.7088	5.5600e-003	0.0000	18.8478
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1721**	**0.0717**	**0.1369**	**2.2000e-004**		**3.4800e-003**	**3.4800e-003**		**3.2600e-003**	**3.2600e-003**	**0.0000**	**18.7088**	**18.7088**	**5.5600e-003**	**0.0000**	**18.8478**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0102	0.0717	0.1369	2.2000e-004		3.4800e-003	3.4800e-003		3.2600e-003	3.2600e-003	0.0000	18.7088	18.7088	5.5600e-003	0.0000	18.8477
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1721**	**0.0717**	**0.1369**	**2.2000e-004**		**3.4800e-003**	**3.4800e-003**		**3.2600e-003**	**3.2600e-003**	**0.0000**	**18.7088**	**18.7088**	**5.5600e-003**	**0.0000**	**18.8477**

3.34 Plot 8 (2027) Paving - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2394	2.2441	2.9328	5.5800e-003		0.0963	0.0963		0.0888	0.0888	0.0000	488.2905	488.2905	0.1568	0.0000	492.2106
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.4013**	**2.2441**	**2.9328**	**5.5800e-003**		**0.0963**	**0.0963**		**0.0888**	**0.0888**	**0.0000**	**488.2905**	**488.2905**	**0.1568**	**0.0000**	**492.2106**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2394	2.2441	2.9328	5.5800e-003		0.0963	0.0963		0.0888	0.0888	0.0000	488.2899	488.2899	0.1568	0.0000	492.2100
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	**0.4013**	**2.2441**	**2.9328**	**5.5800e-003**		**0.0963**	**0.0963**		**0.0888**	**0.0888**	**0.0000**	**488.2899**	**488.2899**	**0.1568**	**0.0000**	**492.2100**

3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.2475	0.0000	5.2475	1.8634	0.0000	1.8634	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0985	32.1762	21.9723	0.0558		1.2465	1.2465		1.1468	1.1468	0.0000	4,896.8110	4,896.8110	1.5837	0.0000	4,936.4042
Total	**3.0985**	**32.1762**	**21.9723**	**0.0558**	**5.2475**	**1.2465**	**6.4940**	**1.8634**	**1.1468**	**3.0101**	**0.0000**	**4,896.8110**	**4,896.8110**	**1.5837**	**0.0000**	**4,936.4042**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.0465	0.0000	2.0465	0.7267	0.0000	0.7267	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0985	32.1762	21.9723	0.0558		1.2465	1.2465		1.1468	1.1468	0.0000	4,896.8052	4,896.8052	1.5837	0.0000	4,936.3984
Total	**3.0985**	**32.1762**	**21.9723**	**0.0558**	**2.0465**	**1.2465**	**3.2930**	**0.7267**	**1.1468**	**1.8735**	**0.0000**	**4,896.8052**	**4,896.8052**	**1.5837**	**0.0000**	**4,936.3984**

3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Fugitive Dust					1.1382	0.0000	1.1382	0.5552	0.0000	0.5552	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1001	0.9223	1.0186	1.4200e-003		0.0475	0.0475		0.0437	0.0437	0.0000	124.4521	124.4521	0.0403	0.0000	125.4583
Total	**0.1001**	**0.9223**	**1.0186**	**1.4200e-003**	**1.1382**	**0.0475**	**1.1857**	**0.5552**	**0.0437**	**0.5988**	**0.0000**	**124.4521**	**124.4521**	**0.0403**	**0.0000**	**125.4583**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4439	0.0000	0.4439	0.2165	0.0000	0.2165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1001	0.9223	1.0186	1.4200e-003		0.0475	0.0475		0.0437	0.0437	0.0000	124.4519	124.4519	0.0403	0.0000	125.4582
Total	**0.1001**	**0.9223**	**1.0186**	**1.4200e-003**	**0.4439**	**0.0475**	**0.4914**	**0.2165**	**0.0437**	**0.2602**	**0.0000**	**124.4519**	**124.4519**	**0.0403**	**0.0000**	**125.4582**

3.37 Plots 11 and 6,7 (2028) Utilities - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6902	5.1983	7.4931	0.0227		0.1970	0.1970		0.1813	0.1813	0.0000	1,988.5949	1,988.5949	0.6425	0.0000	2,004.6574
Total	**0.6902**	**5.1983**	**7.4931**	**0.0227**		**0.1970**	**0.1970**		**0.1813**	**0.1813**	**0.0000**	**1,988.5949**	**1,988.5949**	**0.6425**	**0.0000**	**2,004.6574**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6902	5.1983	7.4931	0.0227		0.1970	0.1970		0.1813	0.1813	0.0000	1,988.5926	1,988.5926	0.6425	0.0000	2,004.6550
Total	**0.6902**	**5.1983**	**7.4931**	**0.0227**		**0.1970**	**0.1970**		**0.1813**	**0.1813**	**0.0000**	**1,988.5926**	**1,988.5926**	**0.6425**	**0.0000**	**2,004.6550**

3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1394	1.2860	2.0592	3.1600e-003		0.0527	0.0527		0.0500	0.0500	0.0000	272.7545	272.7545	0.0606	0.0000	274.2693
Total	**0.1394**	**1.2860**	**2.0592**	**3.1600e-003**		**0.0527**	**0.0527**		**0.0500**	**0.0500**	**0.0000**	**272.7545**	**272.7545**	**0.0606**	**0.0000**	**274.2693**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1394	1.2860	2.0592	3.1600e-003		0.0527	0.0527		0.0500	0.0500	0.0000	272.7541	272.7541	0.0606	0.0000	274.2689

Total	**0.1394**	**1.2860**	**2.0592**	**3.1600e-003**		**0.0527**	**0.0527**		**0.0500**	**0.0500**	**0.0000**	**272.7541**	**272.7541**	**0.0606**	**0.0000**	**274.2689**

3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3364	2.7091	5.0079	9.0800e-003		0.1206	0.1206		0.1109	0.1109	0.0000	796.9133	796.9133	0.2577	0.0000	803.3567
Total	**0.3364**	**2.7091**	**5.0079**	**9.0800e-003**		**0.1206**	**0.1206**		**0.1109**	**0.1109**	**0.0000**	**796.9133**	**796.9133**	**0.2577**	**0.0000**	**803.3567**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3364	2.7091	5.0079	9.0800e-003		0.1206	0.1206		0.1109	0.1109	0.0000	796.9123	796.9123	0.2577	0.0000	803.3558
Total	**0.3364**	**2.7091**	**5.0079**	**9.0800e-003**		**0.1206**	**0.1206**		**0.1109**	**0.1109**	**0.0000**	**796.9123**	**796.9123**	**0.2577**	**0.0000**	**803.3558**

3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1929	1.7770	2.6504	3.6500e-003		0.0707	0.0707		0.0651	0.0651	0.0000	319.6026	319.6026	0.1027	0.0000	322.1704
Total	**0.1929**	**1.7770**	**2.6504**	**3.6500e-003**		**0.0707**	**0.0707**		**0.0651**	**0.0651**	**0.0000**	**319.6026**	**319.6026**	**0.1027**	**0.0000**	**322.1704**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1929	1.7770	2.6504	3.6500e-003		0.0707	0.0707		0.0651	0.0651	0.0000	319.6022	319.6022	0.1027	0.0000	322.1700
Total	**0.1929**	**1.7770**	**2.6504**	**3.6500e-003**		**0.0707**	**0.0707**		**0.0651**	**0.0651**	**0.0000**	**319.6022**	**319.6022**	**0.1027**	**0.0000**	**322.1700**

3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1505	1.2576	2.1395	3.0900e-003		0.0548	0.0548		0.0504	0.0504	0.0000	271.5862	271.5862	0.0878	0.0000	273.7821
Total	**0.1505**	**1.2576**	**2.1395**	**3.0900e-003**		**0.0548**	**0.0548**		**0.0504**	**0.0504**	**0.0000**	**271.5862**	**271.5862**	**0.0878**	**0.0000**	**273.7821**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1505	1.2576	2.1395	3.0900e-003		0.0548	0.0548		0.0504	0.0504	0.0000	271.5858	271.5858	0.0878	0.0000	273.7817
Total	**0.1505**	**1.2576**	**2.1395**	**3.0900e-003**		**0.0548**	**0.0548**		**0.0504**	**0.0504**	**0.0000**	**271.5858**	**271.5858**	**0.0878**	**0.0000**	**273.7817**

3.42 Plots 11 and 6,7 (2028) Landscaping - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1578	1.3110	2.2608	3.2800e-003		0.0576	0.0576		0.0530	0.0530	0.0000	287.9892	287.9892	0.0931	0.0000	290.3177
Total	**0.1578**	**1.3110**	**2.2608**	**3.2800e-003**		**0.0576**	**0.0576**		**0.0530**	**0.0530**	**0.0000**	**287.9892**	**287.9892**	**0.0931**	**0.0000**	**290.3177**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.1578	1.3110	2.2608	3.2800e-003		0.0576	0.0576		0.0530	0.0530	0.0000	287.9888	287.9888	0.0931	0.0000	290.3174
Total	**0.1578**	**1.3110**	**2.2608**	**3.2800e-003**		**0.0576**	**0.0576**		**0.0530**	**0.0530**	**0.0000**	**287.9888**	**287.9888**	**0.0931**	**0.0000**	**290.3174**

3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0808	0.7968	0.6782	1.8000e-003		0.0325	0.0325		0.0299	0.0299	0.0000	158.3591	158.3591	0.0512	0.0000	159.6395
Total	**0.0808**	**0.7968**	**0.6782**	**1.8000e-003**		**0.0325**	**0.0325**		**0.0299**	**0.0299**	**0.0000**	**158.3591**	**158.3591**	**0.0512**	**0.0000**	**159.6395**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0808	0.7968	0.6782	1.8000e-003		0.0325	0.0325		0.0299	0.0299	0.0000	158.3589	158.3589	0.0512	0.0000	159.6393
Total	**0.0808**	**0.7968**	**0.6782**	**1.8000e-003**		**0.0325**	**0.0325**		**0.0299**	**0.0299**	**0.0000**	**158.3589**	**158.3589**	**0.0512**	**0.0000**	**159.6393**

3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0706	0.6534	1.1082	1.6700e-003		0.0306	0.0306		0.0282	0.0282	0.0000	145.4434	145.4434	0.0466	0.0000	146.6071
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2325**	**0.6534**	**1.1082**	**1.6700e-003**		**0.0306**	**0.0306**		**0.0282**	**0.0282**	**0.0000**	**145.4434**	**145.4434**	**0.0466**	**0.0000**	**146.6071**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0706	0.6534	1.1082	1.6700e-003		0.0306	0.0306		0.0282	0.0282	0.0000	145.4432	145.4432	0.0466	0.0000	146.6069
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2325**	**0.6534**	**1.1082**	**1.6700e-003**		**0.0306**	**0.0306**		**0.0282**	**0.0282**	**0.0000**	**145.4432**	**145.4432**	**0.0466**	**0.0000**	**146.6069**

3.45 Plots 11 and 6,7 (2028) Paving - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2385	2.2355	2.9215	5.5600e-003		0.0960	0.0960		0.0884	0.0884	0.0000	486.4197	486.4197	0.1562	0.0000	490.3247
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	**0.4004**	**2.2355**	**2.9215**	**5.5600e-003**		**0.0960**	**0.0960**		**0.0884**	**0.0884**	**0.0000**	**486.4197**	**486.4197**	**0.1562**	**0.0000**	**490.3247**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2385	2.2355	2.9215	5.5600e-003		0.0960	0.0960		0.0884	0.0884	0.0000	486.4191	486.4191	0.1562	0.0000	490.3241
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.4004**	**2.2355**	**2.9215**	**5.5600e-003**		**0.0960**	**0.0960**		**0.0884**	**0.0884**	**0.0000**	**486.4191**	**486.4191**	**0.1562**	**0.0000**	**490.3241**

3.46 Plot 11 (2029) Mass Excavation - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.0294	0.0000	6.0294	1.9528	0.0000	1.9528	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8385	29.7894	19.9409	0.0504		1.1483	1.1483		1.0564	1.0564	0.0000	4,429.5534	4,429.5534	1.4326	0.0000	4,465.3686
Total	**2.8385**	**29.7894**	**19.9409**	**0.0504**	**6.0294**	**1.1483**	**7.1777**	**1.9528**	**1.0564**	**3.0092**	**0.0000**	**4,429.5534**	**4,429.5534**	**1.4326**	**0.0000**	**4,465.3686**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Fugitive Dust					2.3515	0.0000	2.3515	0.7616	0.0000	0.7616	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8385	29.7894	19.9409	0.0504		1.1483	1.1483		1.0564	1.0564	0.0000	4,429.5482	4,429.5482	1.4326	0.0000	4,465.3633
Total	**2.8385**	**29.7894**	**19.9409**	**0.0504**	**2.3515**	**1.1483**	**3.4998**	**0.7616**	**1.0564**	**1.8180**	**0.0000**	**4,429.5482**	**4,429.5482**	**1.4326**	**0.0000**	**4,465.3633**

3.47 Plot 11 (2029) Finish Grading - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1033	0.0000	1.1033	0.5530	0.0000	0.5530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1004	0.9258	1.0225	1.4200e-003		0.0476	0.0476		0.0438	0.0438	0.0000	124.9307	124.9307	0.0404	0.0000	125.9409
Total	**0.1004**	**0.9258**	**1.0225**	**1.4200e-003**	**1.1033**	**0.0476**	**1.1509**	**0.5530**	**0.0438**	**0.5969**	**0.0000**	**124.9307**	**124.9307**	**0.0404**	**0.0000**	**125.9409**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4303	0.0000	0.4303	0.2157	0.0000	0.2157	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1004	0.9258	1.0225	1.4200e-003		0.0476	0.0476		0.0438	0.0438	0.0000	124.9306	124.9306	0.0404	0.0000	125.9407
Total	**0.1004**	**0.9258**	**1.0225**	**1.4200e-003**	**0.4303**	**0.0476**	**0.4779**	**0.2157**	**0.0438**	**0.2595**	**0.0000**	**124.9306**	**124.9306**	**0.0404**	**0.0000**	**125.9407**

3.48 Plot 11 (2029) Utilities - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6928	5.2183	7.5219	0.0228		0.1978	0.1978		0.1820	0.1820	0.0000	1,996.2434	1,996.2434	0.6450	0.0000	2,012.3676
Total	**0.6928**	**5.2183**	**7.5219**	**0.0228**		**0.1978**	**0.1978**		**0.1820**	**0.1820**	**0.0000**	**1,996.2434**	**1,996.2434**	**0.6450**	**0.0000**	**2,012.3676**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6928	5.2183	7.5219	0.0228		0.1978	0.1978		0.1820	0.1820	0.0000	1,996.2410	1,996.2410	0.6450	0.0000	2,012.3652
Total	**0.6928**	**5.2183**	**7.5219**	**0.0228**		**0.1978**	**0.1978**		**0.1820**	**0.1820**	**0.0000**	**1,996.2410**	**1,996.2410**	**0.6450**	**0.0000**	**2,012.3652**

3.49 Plot 11 (2029) Building-Concrete - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1399	1.2909	2.0671	3.1700e-003		0.0529	0.0529		0.0502	0.0502	0.0000	273.8035	273.8035	0.0608	0.0000	275.3241

Total	**0.1399**	**1.2909**	**2.0671**	**3.1700e-003**		**0.0529**	**0.0529**		**0.0502**	**0.0502**	**0.0000**	**273.8035**	**273.8035**	**0.0608**	**0.0000**	**275.3241**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1399	1.2909	2.0671	3.1700e-003		0.0529	0.0529		0.0502	0.0502	0.0000	273.8032	273.8032	0.0608	0.0000	275.3238
Total	**0.1399**	**1.2909**	**2.0671**	**3.1700e-003**		**0.0529**	**0.0529**		**0.0502**	**0.0502**	**0.0000**	**273.8032**	**273.8032**	**0.0608**	**0.0000**	**275.3238**

3.50 Plot 11 (2029) Building-Wet Utilities - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3377	2.7195	5.0272	9.1100e-003		0.1210	0.1210		0.1114	0.1114	0.0000	799.9783	799.9783	0.2587	0.0000	806.4465
Total	**0.3377**	**2.7195**	**5.0272**	**9.1100e-003**		**0.1210**	**0.1210**		**0.1114**	**0.1114**	**0.0000**	**799.9783**	**799.9783**	**0.2587**	**0.0000**	**806.4465**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3377	2.7195	5.0272	9.1100e-003		0.1210	0.1210		0.1114	0.1114	0.0000	799.9774	799.9774	0.2587	0.0000	806.4456
Total	**0.3377**	**2.7195**	**5.0272**	**9.1100e-003**		**0.1210**	**0.1210**		**0.1114**	**0.1114**	**0.0000**	**799.9774**	**799.9774**	**0.2587**	**0.0000**	**806.4456**

3.51 Plot 11 (2029) Building-Electrical - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1936	1.7838	2.6606	3.6700e-003		0.0709	0.0709		0.0653	0.0653	0.0000	320.8319	320.8319	0.1031	0.0000	323.4095
Total	**0.1936**	**1.7838**	**2.6606**	**3.6700e-003**		**0.0709**	**0.0709**		**0.0653**	**0.0653**	**0.0000**	**320.8319**	**320.8319**	**0.1031**	**0.0000**	**323.4095**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1936	1.7838	2.6606	3.6700e-003		0.0709	0.0709		0.0653	0.0653	0.0000	320.8315	320.8315	0.1031	0.0000	323.4091
Total	**0.1936**	**1.7838**	**2.6606**	**3.6700e-003**		**0.0709**	**0.0709**		**0.0653**	**0.0653**	**0.0000**	**320.8315**	**320.8315**	**0.1031**	**0.0000**	**323.4091**

3.52 Plot 11 (2029) Building-Landscaping - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1475	1.2356	2.0869	3.0100e-003		0.0536	0.0536		0.0494	0.0494	0.0000	264.3977	264.3977	0.0855	0.0000	266.5355
Total	**0.1475**	**1.2356**	**2.0869**	**3.0100e-003**		**0.0536**	**0.0536**		**0.0494**	**0.0494**	**0.0000**	**264.3977**	**264.3977**	**0.0855**	**0.0000**	**266.5355**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1475	1.2356	2.0869	3.0100e-003		0.0536	0.0536		0.0494	0.0494	0.0000	264.3974	264.3974	0.0855	0.0000	266.5351
Total	**0.1475**	**1.2356**	**2.0869**	**3.0100e-003**		**0.0536**	**0.0536**		**0.0494**	**0.0494**	**0.0000**	**264.3974**	**264.3974**	**0.0855**	**0.0000**	**266.5351**

3.53 Plot 11 (2029) Landscaping - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.1584	1.3161	2.2695	3.2900e-003		0.0578	0.0578		0.0532	0.0532	0.0000	289.0968	289.0968	0.0935	0.0000	291.4343
Total	**0.1584**	**1.3161**	**2.2695**	**3.2900e-003**		**0.0578**	**0.0578**		**0.0532**	**0.0532**	**0.0000**	**289.0968**	**289.0968**	**0.0935**	**0.0000**	**291.4343**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1584	1.3161	2.2695	3.2900e-003		0.0578	0.0578		0.0532	0.0532	0.0000	289.0965	289.0965	0.0935	0.0000	291.4340
Total	**0.1584**	**1.3161**	**2.2695**	**3.2900e-003**		**0.0578**	**0.0578**		**0.0532**	**0.0532**	**0.0000**	**289.0965**	**289.0965**	**0.0935**	**0.0000**	**291.4340**

3.54 Plot 11 (2029) Temporary Utilities - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0811	0.7998	0.6808	1.8100e-003		0.0326	0.0326		0.0300	0.0300	0.0000	158.9682	158.9682	0.0514	0.0000	160.2535
Total	**0.0811**	**0.7998**	**0.6808**	**1.8100e-003**		**0.0326**	**0.0326**		**0.0300**	**0.0300**	**0.0000**	**158.9682**	**158.9682**	**0.0514**	**0.0000**	**160.2535**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0811	0.7998	0.6808	1.8100e-003		0.0326	0.0326		0.0300	0.0300	0.0000	158.9680	158.9680	0.0514	0.0000	160.2533
Total	**0.0811**	**0.7998**	**0.6808**	**1.8100e-003**		**0.0326**	**0.0326**		**0.0300**	**0.0300**	**0.0000**	**158.9680**	**158.9680**	**0.0514**	**0.0000**	**160.2533**

3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0709	0.6559	1.1124	1.6700e-003		0.0307	0.0307		0.0283	0.0283	0.0000	146.0028	146.0028	0.0467	0.0000	147.1710
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2328**	**0.6559**	**1.1124**	**1.6700e-003**		**0.0307**	**0.0307**		**0.0283**	**0.0283**	**0.0000**	**146.0028**	**146.0028**	**0.0467**	**0.0000**	**147.1710**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0709	0.6559	1.1124	1.6700e-003		0.0307	0.0307		0.0283	0.0283	0.0000	146.0026	146.0026	0.0467	0.0000	147.1708
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	**0.2328**	**0.6559**	**1.1124**	**1.6700e-003**		**0.0307**	**0.0307**		**0.0283**	**0.0283**	**0.0000**	**146.0026**	**146.0026**	**0.0467**	**0.0000**	**147.1708**

3.56 Plot 11 (2029) Paving - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2394	2.2441	2.9328	5.5800e-003		0.0963	0.0963		0.0888	0.0888	0.0000	488.2905	488.2905	0.1568	0.0000	492.2106
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.4013**	**2.2441**	**2.9328**	**5.5800e-003**		**0.0963**	**0.0963**		**0.0888**	**0.0888**	**0.0000**	**488.2905**	**488.2905**	**0.1568**	**0.0000**	**492.2106**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2394	2.2441	2.9328	5.5800e-003		0.0963	0.0963		0.0888	0.0888	0.0000	488.2899	488.2899	0.1568	0.0000	492.2100
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.4013**	**2.2441**	**2.9328**	**5.5800e-003**		**0.0963**	**0.0963**		**0.0888**	**0.0888**	**0.0000**	**488.2899**	**488.2899**	**0.1568**	**0.0000**	**492.2100**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Total					

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	31,129.4424	31,129.4424	1.2852	0.2659	31,240.8089
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	31,129.4424	31,129.4424	1.2852	0.2659	31,240.8089
NaturalGas Mitigated	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	4,398.1384	4,398.1384	0.0843	0.0806	4,424.2743
NaturalGas Unmitigated	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	4,398.1384	4,398.1384	0.0843	0.0806	4,424.2743

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	8.2418e+007	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	4,398.1384	4,398.1384	0.0843	0.0806	4,424.2743
Total		**0.4444**	**4.0401**	**3.3937**	**0.0242**		**0.3071**	**0.3071**		**0.3071**	**0.3071**	**0.0000**	**4,398.1384**	**4,398.1384**	**0.0843**	**0.0806**	**4,424.2743**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	8.2418e+007	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	4,398.1384	4,398.1384	0.0843	0.0806	4,424.2743
Total		**0.4444**	**4.0401**	**3.3937**	**0.0242**		**0.3071**	**0.3071**		**0.3071**	**0.3071**	**0.0000**	**4,398.1384**	**4,398.1384**	**0.0843**	**0.0806**	**4,424.2743**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	1.88441e+006	600.4120	0.0248	5.1300e-003	602.5600
Unrefrigerated Warehouse-No	9.5816e+007	30,529.0304	1.2604	0.2608	30,638.2489

Total		**31,129.4424**	**1.2852**	**0.2659**	**31,240.8089**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	1.88441e+006	600.4120	0.0248	5.1300e-003	602.5600
Unrefrigerated Warehouse-No	9.5816e+007	30,529.0304	1.2604	0.2608	30,638.2489
Total		**31,129.4424**	**1.2852**	**0.2659**	**31,240.8089**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	165.9964	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758
Unmitigated	165.9964	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	18.8930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	147.0561					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0473	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758
Total	**165.9963**	**4.6400e-003**	**0.5164**	**4.0000e-005**		**1.8300e-003**	**1.8300e-003**		**1.8300e-003**	**1.8300e-003**	**0.0000**	**1.0107**	**1.0107**	**2.6000e-003**	**0.0000**	**1.0758**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	18.8930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	147.0561					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0473	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758
Total	**165.9963**	**4.6400e-003**	**0.5164**	**4.0000e-005**		**1.8300e-003**	**1.8300e-003**		**1.8300e-003**	**1.8300e-003**	**0.0000**	**1.0107**	**1.0107**	**2.6000e-003**	**0.0000**	**1.0758**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	41,930.3775	307.5407	7.5564	51,870.7141
Unmitigated	41,930.3775	307.5407	7.5564	51,870.7141

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	9388.75 / 0	41,930.3775	307.5407	7.5564	51,870.7141
Total		**41,930.3775**	**307.5407**	**7.5564**	**51,870.7141**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	9388.75 / 0	41,930.3775	307.5407	7.5564	51,870.7141
Total		**41,930.3775**	**307.5407**	**7.5564**	**51,870.7141**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	7,746.9471	457.8315	0.0000	19,192.7336
Unmitigated	7,746.9471	457.8315	0.0000	19,192.7336

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	38164	7,746.9471	457.8315	0.0000	19,192.7336
Total		**7,746.9471**	**457.8315**	**0.0000**	**19,192.7336**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	38164	7,746.9471	457.8315	0.0000	19,192.7336
Total		**7,746.9471**	**457.8315**	**0.0000**	**19,192.7336**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Plots 11, 12, 21, and 22

World Logistics Center
Construction Emissions - GHG (Unmitigated)

UNMITIGATED

Year	On-Site Offroad Equipment	Onsite Mobile	Offsite Mobile	Total
	MT/yr			
2030	10,547	82	1,670	12,299
2031	8,812	75	1,711	10,598
2032	8,109	86	1,786	9,980
2033	5,691	82	1,666	7,439
2034	5,552	65	1,800	7,417

ONSITE Mobile Emissions			CO2	CH4	N2O	CO2e
PhaseName	CalEEMod Phase Name		MT/yr			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030		4.40E+00	1.15E-01	6.78E-04	7.49E+00
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030		1.23E+00	2.56E-02	2.97E-04	1.96E+00
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030		9.64E+00	3.20E-01	1.80E-03	1.82E+01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030		1.21E+00	7.67E-02	1.73E-04	3.18E+00
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030		9.55E+00	2.61E-02	2.90E-03	1.11E+01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030		8.93E+00	1.92E-01	3.08E-03	1.46E+01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030		9.02E+00	7.71E-02	3.13E-03	1.19E+01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030		3.12E+00	1.31E-04	1.66E-03	3.61E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030		1.32E+00	8.94E-02	1.77E-04	3.61E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030		2.05E+00	7.67E-02	2.52E-04	4.04E+00
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030		1.28E+00	5.11E-02	1.73E-04	2.61E+00
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031		4.38E+00	1.14E-01	7.00E-04	7.43E+00
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031		1.17E+00	2.52E-02	2.66E-04	1.88E+00
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031		1.02E+01	3.15E-01	2.19E-03	1.87E+01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031		5.56E+00	2.56E-02	8.22E-04	6.44E+00
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031		7.65E+00	2.57E-02	1.95E-03	8.87E+00
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031		7.83E+00	7.59E-02	2.57E-03	1.05E+01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031		2.63E+00	8.82E-02	8.99E-04	5.11E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031		2.72E+00	7.56E-02	9.99E-04	4.91E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031		2.30E+00	9.92E-05	1.24E-03	2.67E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031		3.17E+00	5.05E-02	1.21E-03	4.79E+00
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031		2.01E+00	7.56E-02	2.47E-04	3.97E+00
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032		6.75E+00	1.49E-01	1.59E-03	1.10E+01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032		1.21E+00	5.59E-02	2.17E-04	2.67E+00
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032		7.27E+00	1.80E-01	2.06E-03	1.24E+01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032		5.78E+00	1.06E-01	8.15E-04	8.67E+00
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032		4.48E+00	1.86E-01	7.82E-04	9.37E+00
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032		5.30E+00	7.47E-02	1.78E-03	7.70E+00
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032		4.68E+00	5.61E-02	1.21E-03	6.44E+00
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032		4.77E+00	1.93E-01	7.06E-04	9.79E+00
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032		4.53E+00	2.00E-04	2.49E-03	5.27E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032		2.71E+00	6.22E-02	3.94E-04	4.38E+00
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032		5.33E+00	7.47E-02	2.27E-03	7.87E+00
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033		6.03E+00	1.84E-01	8.18E-04	1.09E+01
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033		4.23E+00	8.59E-02	1.82E-03	6.92E+00
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033		1.22E+00	4.91E-02	1.64E-04	2.49E+00
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033		7.59E+00	1.84E-01	1.69E-03	1.27E+01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033		6.08E+00	1.84E-01	1.71E-03	1.12E+01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033		3.40E+00	7.37E-02	1.31E-03	5.63E+00
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033		8.82E+00	2.51E-02	2.72E-03	1.03E+01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033		1.30E+00	5.89E-05	7.25E-04	1.52E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033		9.65E+00	3.07E-01	2.02E-03	1.79E+01
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033		2.23E+00	1.01E-04	1.24E-03	2.60E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034		4.88E+00	7.29E-02	1.07E-03	7.02E+00
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034		1.11E+00	7.26E-02	1.46E-04	2.97E+00
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034		4.64E+00	1.39E-01	6.01E-04	8.30E+00
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034		4.60E+00	1.76E-01	6.59E-04	9.19E+00
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034		4.60E+00	1.76E-01	6.59E-04	9.19E+00
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034		5.60E+00	1.03E-01	7.89E-04	8.41E+00
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034		3.98E+00	1.82E-01	5.59E-04	8.69E+00
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034		2.69E+00	7.27E-02	3.86E-04	4.62E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034		3.25E+00	5.47E-02	4.69E-04	4.75E+00
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034		1.46E+00	2.43E-02	1.99E-04	2.13E+00
		2030	5.17E+01	1.05E+00	1.43E-02	8.23E+01
		2031	4.96E+01	8.71E-01	1.31E-02	7.53E+01
		2032	5.28E+01	1.14E+00	1.43E-02	8.55E+01
		2033	5.06E+01	1.09E+00	1.42E-02	8.21E+01
		2034	3.68E+01	1.07E+00	5.53E-03	6.53E+01

Worker Running Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission Factor (g/mile)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	10	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	25	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	15	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	10	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	25	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	10	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	12.5	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	37.5	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	17.5	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	25	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	12.5	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	17.5	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	50	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	10	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	10	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	50	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	25	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	15	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	25	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	40	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	15	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	10	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	50	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	25	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	25	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	37.5	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	25	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	15	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	17.5	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	12.5	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	0.5	3.71E-04	1.63E-03	3.06E-02	1.28E-04	1.04E+01	6.46E-05	1.04E+01	1.04E+00	5.95E-05	1.04E+00	1.30E+01	9.88E-05	2.09E-04
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	0.5	1.11E-04	4.88E-04	9.19E-03	3.85E-05	3.12E+00	1.94E-05	3.12E+00	3.12E-01	1.78E-05	3.12E-01	3.89E+00	2.96E-05	6.26E-05
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	0.5	2.97E-04	1.30E-03	2.45E-02	1.03E-04	8.33E+00	5.17E-05	8.33E+00	8.31E-01	4.76E-05	8.31E-01	1.04E+01	7.90E-05	1.67E-04
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	10	0.5	7.42E-05	3.25E-04	6.13E-03	2.57E-05	2.08E+00	1.29E-05	2.08E+00	2.08E-01	1.19E-05	2.08E-01	2.60E+00	1.98E-05	4.18E-05
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	0.5	1.85E-04	8.13E-04	1.53E-02	6.42E-05	5.20E+00	3.23E-05	5.20E+00	5.19E-01	2.97E-05	5.19E-01	6.49E+00	4.94E-05	1.04E-04
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	25	0.5	1.85E-04	8.13E-04	1.53E-02	6.42E-05	5.20E+00	3.23E-05	5.20E+00	5.19E-01	2.97E-05	5.19E-01	6.49E+00	4.94E-05	1.04E-04
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	15	0.5	1.11E-04	4.88E-04	9.19E-03	3.85E-05	3.12E+00	1.94E-05	3.12E+00	3.12E-01	1.78E-05	3.12E-01	3.89E+00	2.96E-05	6.26E-05
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	10	0.5	7.42E-05	3.25E-04	6.13E-03	2.57E-05	2.08E+00	1.29E-05	2.08E+00	2.08E-01	1.19E-05	2.08E-01	2.60E+00	1.98E-05	4.18E-05
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	25	0.5	1.85E-04	8.13E-04	1.53E-02	6.42E-05	5.20E+00	3.23E-05	5.20E+00	5.19E-01	2.97E-05	5.19E-01	6.49E+00	4.94E-05	1.04E-04
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	10	0.5	7.42E-05	3.25E-04	6.13E-03	2.57E-05	2.08E+00	1.29E-05	2.08E+00	2.08E-01	1.19E-05	2.08E-01	2.60E+00	1.98E-05	4.18E-05
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	0.5	3.35E-04	1.50E-03	2.95E-02	1.26E-04	1.04E+01	6.07E-05	1.04E+01	1.04E+00	5.58E-05	1.04E+00	1.27E+01	9.06E-05	2.01E-04
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	0.5	1.00E-04	4.50E-04	8.85E-03	3.78E-05	3.12E+00	1.82E-05	3.12E+00	3.12E-01	1.67E-05	3.12E-01	3.82E+00	2.72E-05	6.04E-05
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	0.5	2.68E-04	1.20E-03	2.36E-02	1.01E-04	8.33E+00	4.85E-05	8.33E+00	8.31E-01	4.47E-05	8.31E-01	1.02E+01	7.25E-05	1.61E-04
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	0.5	1.67E-04	7.50E-04	1.47E-02	6.30E-05	5.20E+00	3.03E-05	5.20E+00	5.19E-01	2.79E-05	5.19E-01	6.37E+00	4.53E-05	1.01E-04
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	0.5	1.67E-04	7.50E-04	1.47E-02	6.30E-05	5.20E+00	3.03E-05	5.20E+00	5.19E-01	2.79E-05	5.19E-01	6.37E+00	4.53E-05	1.01E-04
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	0.5	1.00E-04	4.50E-04	8.85E-03	3.78E-05	3.12E+00	1.82E-05	3.12E+00	3.12E-01	1.67E-05	3.12E-01	3.82E+00	2.72E-05	6.04E-05
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	0.5	6.69E-05	3.00E-04	5.90E-03	2.52E-05	2.08E+00	1.21E-05	2.08E+00	2.08E-01	1.12E-05	2.08E-01	2.55E+00	1.81E-05	4.03E-05
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	0.5	6.69E-05	3.00E-04	5.90E-03	2.52E-05	2.08E+00	1.21E-05	2.08E+00	2.08E-01	1.12E-05	2.08E-01	2.55E+00	1.81E-05	4.03E-05
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	0.5	6.69E-05	3.00E-04	5.90E-03	2.52E-05	2.08E+00	1.21E-05	2.08E+00	2.08E-01	1.12E-05	2.08E-01	2.55E+00	1.81E-05	4.03E-05
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	0.5	1.67E-04	7.50E-04	1.47E-02	6.30E-05	5.20E+00	3.03E-05	5.20E+00	5.19E-01	2.79E-05	5.19E-01	6.37E+00	4.53E-05	1.01E-04
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	0.5	3.02E-04	1.40E-03	2.84E-02	1.24E-04	1.04E+01	5.68E-05	1.04E+01	1.04E+00	5.23E-05	1.04E+00	1.25E+01	8.31E-05	1.95E-04
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	12.5	0.5	7.55E-05	3.49E-04	7.10E-03	3.10E-05	2.60E+00	1.42E-05	2.60E+00	2.60E-01	1.31E-05	2.60E-01	3.13E+00	2.08E-05	4.88E-05
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	0.5	1.51E-04	6.98E-04	1.42E-02	6.19E-05	5.20E+00	2.84E-05	5.20E+00	5.19E-01	2.61E-05	5.19E-01	6.26E+00	4.16E-05	9.76E-05
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	37.5	0.5	2.26E-04	1.05E-03	2.13E-02	9.29E-05	7.81E+00	4.26E-05	7.81E+00	7.79E-01	3.92E-05	7.79E-01	9.39E+00	6.23E-05	1.46E-04
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	0.5	1.51E-04	6.98E-04	1.42E-02	6.19E-05	5.20E+00	2.84E-05	5.20E+00	5.19E-01	2.61E-05	5.19E-01	6.26E+00	4.16E-05	9.76E-05
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	0.5	9.05E-05	4.19E-04	8.52E-03	3.72E-05	3.12E+00	1.70E-05	3.12E+00	3.12E-01	1.57E-05	3.12E-01	3.76E+00	2.49E-05	5.86E-05
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	17.5	0.5	1.06E-04	4.88E-04	9.94E-03	4.33E-05	3.64E+00	1.99E-05	3.64E+00	3.63E-01	1.83E-05	3.63E-01	4.38E+00	2.91E-05	6.83E-05
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	25	0.5	1.51E-04	6.98E-04	1.42E-02	6.19E-05	5.20E+00	2.84E-05	5.20E+00	5.19E-01	2.61E-05	5.19E-01	6.26E+00	4.16E-05	9.76E-05
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	12.5	0.5	7.55E-05	3.49E-04	7.10E-03	3.10E-05	2.60E+00	1.42E-05	2.60E+00	2.60E-01	1.31E-05	2.60E-01	3.13E+00	2.08E-05	4.88E-05
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	17.5	0.5	1.06E-04	4.88E-04	9.94E-03	4.33E-05	3.64E+00	1.99E-05	3.64E+00	3.63E-01	1.83E-05	3.63E-01	4.38E+00	2.91E-05	6.83E-05
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	50	0.5	2.74E-04	1.31E-03	2.75E-02	1.22E-04	1.04E+01	5.33E-05	1.04E+01	1.04E+00	4.90E-05	1.04E+00	1.23E+01	7.67E-05	1.90E-04
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	10	0.5	5.47E-05	2.62E-04	5.50E-03	2.44E-05	2.08E+00	1.07E-05	2.08E+00	2.08E-01	9.81E-06	2.08E-01	2.46E+00	1.53E-05	3.80E-05
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	10	0.5	5.47E-05	2.62E-04	5.50E-03	2.44E-05	2.08E+00	1.07E-05	2.08E+00	2.08E-01	9.81E-06	2.08E-01	2.46E+00	1.53E-05	3.80E-05
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	50	0.5	2.74E-04	1.31E-03	2.75E-02	1.22E-04	1.04E+01	5.33E-05	1.04E+01	1.04E+00	4.90E-05	1.04E+00	1.23E+01	7.67E-05	1.90E-04
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	25	0.5	1.37E-04	6.54E-04	1.37E-02	6.10E-05	5.20E+00	2.66E-05	5.20E+00	5.19E-01	2.45E-05	5.19E-01	6.16E+00	3.83E-05	9.50E-05
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	15	0.5	8.21E-05	3.92E-04	8.25E-03	3.66E-05	3.12E+00	1.60E-05	3.12E+00	3.12E-01	1.47E-05	3.12E-01	3.70E+00	2.30E-05	5.70E-05
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	25	0.5	1.37E-04	6.54E-04	1.37E-02	6.10E-05	5.20E+00	2.66E-05	5.20E+00	5.19E-01	2.45E-05	5.19E-01	6.16E+00	3.83E-05	9.50E-05
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	40	0.5	2.19E-04	1.05E-03	2.20E-02	9.75E-05	8.33E+00	4.26E-05	8.33E+00	8.31E-01	3.92E-05	8.31E-01	9.86E+00	6.13E-05	1.52E-04
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	15	0.5	7.44E-05	3.71E-04	7.99E-03	3.61E-05	3.12E+00	1.50E-05	3.12E+00	3.12E-01	1.38E-05	3.12E-01	3.65E+00	2.12E-05	5.57E-05
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	10	0.5	4.96E-05	2.47E-04	5.33E-03	2.40E-05	2.08E+00	1.00E-05	2.08E+00	2.08E-01	9.21E-06	2.08E-01	2.43E+00	1.42E-05	3.71E-05
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	50	0.5	2.48E-04	1.24E-03	2.66E-02	1.20E-04	1.04E+01	5.01E-05	1.04E+01	1.04E+00	4.61E-05	1.04E+00	1.22E+01	7.08E-05	1.86E-04
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	25	0.5	1.24E-04	6.18E-04	1.33E-02	6.01E-05	5.20E+00	2.50E-05	5.20E+00	5.19E-01	2.30E-05	5.19E-01	6.08E+00	3.54E-05	9.29E-05
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	25	0.5	1.24E-04	6.18E-04	1.33E-02	6.01E-05	5.20E+00	2.50E-05	5.20E+00	5.19E-01	2.30E-05	5.19E-01	6.08E+00	3.54E-05	9.29E-05
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	37.5	0.5	1.86E-04	9.27E-04	2.00E-02	9.02E-05	7.81E+00	3.76E-05	7.81E+00	7.79E-01	3.46E-05	7.79E-01	9.12E+00	5.31E-05	1.39E-04
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	25	0.5	1.24E-04	6.18E-04	1.33E-02	6.01E-05	5.20E+00	2.50E-05	5.20E+00	5.19E-01	2.30E-05	5.19E-01	6.08E+00	3.54E-05	9.29E-05
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	15	0.5	7.44E-05	3.71E-04	7.99E-03	3.61E-05	3.12E+00	1.50E-05	3.12E+00	3.12E-01	1.38E-05	3.12E-01	3.65E+00	2.12E-05	5.57E-05
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	17.5	0.5	8.67E-05	4.32E-04	9.33E-03	4.21E-05	3.64E+00	1.75E-05	3.64E+00	3.63E-01	1.61E-05	3.63E-01	4.25E+00	2.48E-05	6.50E-05
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	12.5	0.5	6.20E-05	3.09E-04	6.66E-03	3.01E-05	2.60E+00	1.25E-05	2.60E+00	2.60E-01	1.15E-05	2.60E-01	3.04E+00	1.77E-05	4.64E-05

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
						MT/yr			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	0.5	260	1.53E+00	1.17E-05	2.46E-05	1.54E+00
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	0.5	260	4.59E-01	3.50E-06	7.39E-06	4.62E-01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	0.5	260	1.22E+00	9.32E-06	1.97E-05	1.23E+00
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	10	0.5	260	3.06E-01	2.33E-06	4.93E-06	3.08E-01
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	0.5	260	7.65E-01	5.83E-06	1.23E-05	7.69E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	25	0.5	260	7.65E-01	5.83E-06	1.23E-05	7.69E-01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	15	0.5	260	4.59E-01	3.50E-06	7.39E-06	4.62E-01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	10	0.5	260	3.06E-01	2.33E-06	4.93E-06	3.08E-01
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	25	0.5	260	7.65E-01	5.83E-06	1.23E-05	7.69E-01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	10	0.5	260	3.06E-01	2.33E-06	4.93E-06	3.08E-01
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	0.5	260	1.50E+00	1.07E-05	2.38E-05	1.51E+00
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	0.5	260	4.51E-01	3.21E-06	7.13E-06	4.53E-01
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	0.5	260	1.20E+00	8.55E-06	1.90E-05	1.21E+00
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	0.5	260	7.51E-01	5.34E-06	1.19E-05	7.55E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	0.5	260	7.51E-01	5.34E-06	1.19E-05	7.55E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	0.5	260	4.51E-01	3.21E-06	7.13E-06	4.53E-01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	0.5	260	3.00E-01	2.14E-06	4.75E-06	3.02E-01
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	0.5	260	3.00E-01	2.14E-06	4.75E-06	3.02E-01
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	0.5	260	3.00E-01	2.14E-06	4.75E-06	3.02E-01
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	0.5	260	7.51E-01	5.34E-06	1.19E-05	7.55E-01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	0.5	260	1.48E+00	9.80E-06	2.30E-05	1.48E+00
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	12.5	0.5	260	3.69E-01	2.45E-06	5.76E-06	3.71E-01
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	0.5	260	7.38E-01	4.90E-06	1.15E-05	7.42E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	37.5	0.5	260	1.11E+00	7.35E-06	1.73E-05	1.11E+00
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	0.5	260	7.38E-01	4.90E-06	1.15E-05	7.42E-01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	0.5	260	4.43E-01	2.94E-06	6.91E-06	4.45E-01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	17.5	0.5	260	5.17E-01	3.43E-06	8.06E-06	5.19E-01
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	25	0.5	260	7.38E-01	4.90E-06	1.15E-05	7.42E-01
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	12.5	0.5	260	3.69E-01	2.45E-06	5.76E-06	3.71E-01
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	17.5	0.5	260	5.17E-01	3.43E-06	8.06E-06	5.19E-01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	50	0.5	260	1.45E+00	9.04E-06	2.24E-05	1.46E+00
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	10	0.5	260	2.91E-01	1.81E-06	4.48E-06	2.92E-01
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	10	0.5	260	2.91E-01	1.81E-06	4.48E-06	2.92E-01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	50	0.5	260	1.45E+00	9.04E-06	2.24E-05	1.46E+00
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	25	0.5	260	7.27E-01	4.52E-06	1.12E-05	7.30E-01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	15	0.5	260	4.36E-01	2.71E-06	6.73E-06	4.38E-01
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	25	0.5	260	7.27E-01	4.52E-06	1.12E-05	7.30E-01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	40	0.5	260	1.16E+00	7.23E-06	1.79E-05	1.17E+00
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	15	0.5	260	4.30E-01	2.51E-06	6.57E-06	4.32E-01
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	10	0.5	260	2.87E-01	1.67E-06	4.38E-06	2.88E-01
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	50	0.5	260	1.43E+00	8.35E-06	2.19E-05	1.44E+00
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	25	0.5	260	7.17E-01	4.18E-06	1.10E-05	7.20E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	25	0.5	260	7.17E-01	4.18E-06	1.10E-05	7.20E-01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	37.5	0.5	260	1.07E+00	6.26E-06	1.64E-05	1.08E+00
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	25	0.5	260	7.17E-01	4.18E-06	1.10E-05	7.20E-01
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	15	0.5	260	4.30E-01	2.51E-06	6.57E-06	4.32E-01
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	17.5	0.5	260	5.02E-01	2.92E-06	7.67E-06	5.04E-01
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	12.5	0.5	260	3.58E-01	2.09E-06	5.48E-06	3.60E-01

Worker Starting/Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission Factor (g/trip)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	10	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	25	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	15	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	10	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	25	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	10	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	12.5	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	37.5	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	17.5	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	25	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	12.5	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	17.5	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	50	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	10	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	10	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	50	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	25	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	15	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	25	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	40	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	15	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	10	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	50	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	25	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	25	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	37.5	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	25	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	15	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	17.5	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	12.5	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	0.5	3.14E-02	7.53E-03	9.47E-02	2.56E-05	0.00E+00	7.38E-05	7.38E-05	0.00E+00	6.79E-05	6.79E-05	2.59E+00	1.80E-03	1.10E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	0.5	9.43E-03	2.26E-03	2.84E-02	7.69E-06	0.00E+00	2.21E-05	2.21E-05	0.00E+00	2.04E-05	2.04E-05	7.77E-01	5.39E-04	3.31E-04
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	0.5	2.52E-02	6.03E-03	7.58E-02	2.05E-05	0.00E+00	5.90E-05	5.90E-05	0.00E+00	5.43E-05	5.43E-05	2.07E+00	1.44E-03	8.82E-04
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	10	0.5	6.29E-03	1.51E-03	1.89E-02	5.13E-06	0.00E+00	1.48E-05	1.48E-05	0.00E+00	1.36E-05	1.36E-05	5.18E-01	3.59E-04	2.21E-04
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	0.5	1.57E-02	3.77E-03	4.74E-02	1.28E-05	0.00E+00	3.69E-05	3.69E-05	0.00E+00	3.39E-05	3.39E-05	1.30E+00	8.98E-04	5.51E-04
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	25	0.5	1.57E-02	3.77E-03	4.74E-02	1.28E-05	0.00E+00	3.69E-05	3.69E-05	0.00E+00	3.39E-05	3.39E-05	1.30E+00	8.98E-04	5.51E-04
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	15	0.5	9.43E-03	2.26E-03	2.84E-02	7.69E-06	0.00E+00	2.21E-05	2.21E-05	0.00E+00	2.04E-05	2.04E-05	7.77E-01	5.39E-04	3.31E-04
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	10	0.5	6.29E-03	1.51E-03	1.89E-02	5.13E-06	0.00E+00	1.48E-05	1.48E-05	0.00E+00	1.36E-05	1.36E-05	5.18E-01	3.59E-04	2.21E-04
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	25	0.5	1.57E-02	3.77E-03	4.74E-02	1.28E-05	0.00E+00	3.69E-05	3.69E-05	0.00E+00	3.39E-05	3.39E-05	1.30E+00	8.98E-04	5.51E-04
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	10	0.5	6.29E-03	1.51E-03	1.89E-02	5.13E-06	0.00E+00	1.48E-05	1.48E-05	0.00E+00	1.36E-05	1.36E-05	5.18E-01	3.59E-04	2.21E-04
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	0.5	2.95E-02	7.24E-03	9.24E-02	2.51E-05	0.00E+00	6.95E-05	6.95E-05	0.00E+00	6.39E-05	6.39E-05	2.53E+00	1.69E-03	1.08E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	0.5	8.86E-03	2.17E-03	2.77E-02	7.52E-06	0.00E+00	2.08E-05	2.08E-05	0.00E+00	1.92E-05	1.92E-05	7.60E-01	5.07E-04	3.23E-04
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	0.5	2.36E-02	5.79E-03	7.39E-02	2.01E-05	0.00E+00	5.56E-05	5.56E-05	0.00E+00	5.11E-05	5.11E-05	2.03E+00	1.35E-03	8.62E-04
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	0.5	1.48E-02	3.62E-03	4.62E-02	1.25E-05	0.00E+00	3.47E-05	3.47E-05	0.00E+00	3.19E-05	3.19E-05	1.27E+00	8.44E-04	5.39E-04
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	0.5	1.48E-02	3.62E-03	4.62E-02	1.25E-05	0.00E+00	3.47E-05	3.47E-05	0.00E+00	3.19E-05	3.19E-05	1.27E+00	8.44E-04	5.39E-04
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	0.5	8.86E-03	2.17E-03	2.77E-02	7.52E-06	0.00E+00	2.08E-05	2.08E-05	0.00E+00	1.92E-05	1.92E-05	7.60E-01	5.07E-04	3.23E-04
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	0.5	5.90E-03	1.45E-03	1.85E-02	5.02E-06	0.00E+00	1.39E-05	1.39E-05	0.00E+00	1.28E-05	1.28E-05	5.07E-01	3.38E-04	2.16E-04
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	0.5	5.90E-03	1.45E-03	1.85E-02	5.02E-06	0.00E+00	1.39E-05	1.39E-05	0.00E+00	1.28E-05	1.28E-05	5.07E-01	3.38E-04	2.16E-04
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	0.5	5.90E-03	1.45E-03	1.85E-02	5.02E-06	0.00E+00	1.39E-05	1.39E-05	0.00E+00	1.28E-05	1.28E-05	5.07E-01	3.38E-04	2.16E-04
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	0.5	1.48E-02	3.62E-03	4.62E-02	1.25E-05	0.00E+00	3.47E-05	3.47E-05	0.00E+00	3.19E-05	3.19E-05	1.27E+00	8.44E-04	5.39E-04
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	0.5	2.78E-02	7.00E-03	9.03E-02	2.46E-05	0.00E+00	6.54E-05	6.54E-05	0.00E+00	6.01E-05	6.01E-05	2.48E+00	1.59E-03	1.06E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	12.5	0.5	6.95E-03	1.75E-03	2.26E-02	6.15E-06	0.00E+00	1.63E-05	1.63E-05	0.00E+00	1.50E-05	1.50E-05	6.21E-01	3.98E-04	2.64E-04
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	0.5	1.39E-02	3.50E-03	4.51E-02	1.23E-05	0.00E+00	3.27E-05	3.27E-05	0.00E+00	3.01E-05	3.01E-05	1.24E+00	7.97E-04	5.29E-04
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	37.5	0.5	2.09E-02	5.25E-03	6.77E-02	1.84E-05	0.00E+00	4.90E-05	4.90E-05	0.00E+00	4.51E-05	4.51E-05	1.86E+00	1.20E-03	7.93E-04
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	0.5	1.39E-02	3.50E-03	4.51E-02	1.23E-05	0.00E+00	3.27E-05	3.27E-05	0.00E+00	3.01E-05	3.01E-05	1.24E+00	7.97E-04	5.29E-04
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	0.5	8.34E-03	2.10E-03	2.71E-02	7.38E-06	0.00E+00	1.96E-05	1.96E-05	0.00E+00	1.80E-05	1.80E-05	7.45E-01	4.78E-04	3.17E-04
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	17.5	0.5	9.73E-03	2.45E-03	3.16E-02	8.61E-06	0.00E+00	2.29E-05	2.29E-05	0.00E+00	2.10E-05	2.10E-05	8.70E-01	5.58E-04	3.70E-04
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	25	0.5	1.39E-02	3.50E-03	4.51E-02	1.23E-05	0.00E+00	3.27E-05	3.27E-05	0.00E+00	3.01E-05	3.01E-05	1.24E+00	7.97E-04	5.29E-04
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	12.5	0.5	6.95E-03	1.75E-03	2.26E-02	6.15E-06	0.00E+00	1.63E-05	1.63E-05	0.00E+00	1.50E-05	1.50E-05	6.21E-01	3.98E-04	2.64E-04
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	17.5	0.5	9.73E-03	2.45E-03	3.16E-02	8.61E-06	0.00E+00	2.29E-05	2.29E-05	0.00E+00	2.10E-05	2.10E-05	8.70E-01	5.58E-04	3.70E-04
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	50	0.5	2.63E-02	6.80E-03	8.84E-02	2.41E-05	0.00E+00	6.16E-05	6.16E-05	0.00E+00	5.66E-05	5.66E-05	2.44E+00	1.51E-03	1.04E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	10	0.5	5.25E-03	1.36E-03	1.77E-02	4.83E-06	0.00E+00	1.23E-05	1.23E-05	0.00E+00	1.13E-05	1.13E-05	4.88E-01	3.02E-04	2.08E-04
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	10	0.5	5.25E-03	1.36E-03	1.77E-02	4.83E-06	0.00E+00	1.23E-05	1.23E-05	0.00E+00	1.13E-05	1.13E-05	4.88E-01	3.02E-04	2.08E-04
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	50	0.5	2.63E-02	6.80E-03	8.84E-02	2.41E-05	0.00E+00	6.16E-05	6.16E-05	0.00E+00	5.66E-05	5.66E-05	2.44E+00	1.51E-03	1.04E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	25	0.5	1.31E-02	3.40E-03	4.42E-02	1.21E-05	0.00E+00	3.08E-05	3.08E-05	0.00E+00	2.83E-05	2.83E-05	1.22E+00	7.55E-04	5.20E-04
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	15	0.5	7.88E-03	2.04E-03	2.65E-02	7.24E-06	0.00E+00	1.85E-05	1.85E-05	0.00E+00	1.70E-05	1.70E-05	7.32E-01	4.53E-04	3.12E-04
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	25	0.5	1.31E-02	3.40E-03	4.42E-02	1.21E-05	0.00E+00	3.08E-05	3.08E-05	0.00E+00	2.83E-05	2.83E-05	1.22E+00	7.55E-04	5.20E-04
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	40	0.5	2.10E-02	5.44E-03	7.07E-02	1.93E-05	0.00E+00	4.93E-05	4.93E-05	0.00E+00	4.53E-05	4.53E-05	1.95E+00	1.21E-03	8.33E-04
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	15	0.5	7.46E-03	1.99E-03	2.60E-02	7.13E-06	0.00E+00	1.74E-05	1.74E-05	0.00E+00	1.60E-05	1.60E-05	7.20E-01	4.30E-04	3.08E-04
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	10	0.5	4.98E-03	1.33E-03	1.73E-02	4.75E-06	0.00E+00	1.16E-05	1.16E-05	0.00E+00	1.07E-05	1.07E-05	4.80E-01	2.87E-04	2.05E-04
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	50	0.5	2.49E-02	6.64E-03	8.66E-02	2.38E-05	0.00E+00	5.80E-05	5.80E-05	0.00E+00	5.34E-05	5.34E-05	2.40E+00	1.43E-03	1.03E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	25	0.5	1.24E-02	3.32E-03	4.33E-02	1.19E-05	0.00E+00	2.90E-05	2.90E-05	0.00E+00	2.67E-05	2.67E-05	1.20E+00	7.16E-04	5.13E-04
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	25	0.5	1.24E-02	3.32E-03	4.33E-02	1.19E-05	0.00E+00	2.90E-05	2.90E-05	0.00E+00	2.67E-05	2.67E-05	1.20E+00	7.16E-04	5.13E-04
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	37.5	0.5	1.87E-02	4.98E-03	6.50E-02	1.78E-05	0.00E+00	4.35E-05	4.35E-05	0.00E+00	4.00E-05	4.00E-05	1.80E+00	1.07E-03	7.70E-04
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	25	0.5	1.24E-02	3.32E-03	4.33E-02	1.19E-05	0.00E+00	2.90E-05	2.90E-05	0.00E+00	2.67E-05	2.67E-05	1.20E+00	7.16E-04	5.13E-04
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	15	0.5	7.46E-03	1.99E-03	2.60E-02	7.13E-06	0.00E+00	1.74E-05	1.74E-05	0.00E+00	1.60E-05	1.60E-05	7.20E-01	4.30E-04	3.08E-04
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	17.5	0.5	8.71E-03	2.32E-03	3.03E-02	8.31E-06	0.00E+00	2.03E-05	2.03E-05	0.00E+00	1.87E-05	1.87E-05	8.40E-01	5.01E-04	3.59E-04
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	12.5	0.5	6.22E-03	1.66E-03	2.17E-02	5.94E-06	0.00E+00	1.45E-05	1.45E-05	0.00E+00	1.33E-05	1.33E-05	6.00E-01	3.58E-04	2.57E-04

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
						MT/yr			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	0.5	260	3.05E-01	2.12E-04	1.30E-04	3.50E-01
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	0.5	260	9.16E-02	6.35E-05	3.90E-05	1.05E-01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	0.5	260	2.44E-01	1.69E-04	1.04E-04	2.80E-01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	10	0.5	260	6.11E-02	4.24E-05	2.60E-05	6.99E-02
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	0.5	260	1.53E-01	1.06E-04	6.50E-05	1.75E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	25	0.5	260	1.53E-01	1.06E-04	6.50E-05	1.75E-01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	15	0.5	260	9.16E-02	6.35E-05	3.90E-05	1.05E-01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	10	0.5	260	6.11E-02	4.24E-05	2.60E-05	6.99E-02
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	25	0.5	260	1.53E-01	1.06E-04	6.50E-05	1.75E-01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	10	0.5	260	6.11E-02	4.24E-05	2.60E-05	6.99E-02
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	0.5	260	2.99E-01	1.99E-04	1.27E-04	3.42E-01
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	0.5	260	8.97E-02	5.97E-05	3.81E-05	1.03E-01
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	0.5	260	2.39E-01	1.59E-04	1.02E-04	2.73E-01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	0.5	260	1.49E-01	9.96E-05	6.36E-05	1.71E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	0.5	260	1.49E-01	9.96E-05	6.36E-05	1.71E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	0.5	260	8.97E-02	5.97E-05	3.81E-05	1.03E-01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	0.5	260	5.98E-02	3.98E-05	2.54E-05	6.84E-02
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	0.5	260	5.98E-02	3.98E-05	2.54E-05	6.84E-02
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	0.5	260	5.98E-02	3.98E-05	2.54E-05	6.84E-02
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	0.5	260	1.49E-01	9.96E-05	6.36E-05	1.71E-01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	0.5	260	2.93E-01	1.88E-04	1.25E-04	3.35E-01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	12.5	0.5	260	7.33E-02	4.70E-05	3.12E-05	8.37E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	0.5	260	1.47E-01	9.40E-05	6.24E-05	1.67E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	37.5	0.5	260	2.20E-01	1.41E-04	9.35E-05	2.51E-01
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	0.5	260	1.47E-01	9.40E-05	6.24E-05	1.67E-01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	0.5	260	8.79E-02	5.64E-05	3.74E-05	1.00E-01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	17.5	0.5	260	1.03E-01	6.58E-05	4.37E-05	1.17E-01
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	25	0.5	260	1.47E-01	9.40E-05	6.24E-05	1.67E-01
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	12.5	0.5	260	7.33E-02	4.70E-05	3.12E-05	8.37E-02
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	17.5	0.5	260	1.03E-01	6.58E-05	4.37E-05	1.17E-01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	50	0.5	260	2.88E-01	1.78E-04	1.23E-04	3.29E-01
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	10	0.5	260	5.76E-02	3.56E-05	2.45E-05	6.58E-02
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	10	0.5	260	5.76E-02	3.56E-05	2.45E-05	6.58E-02
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	50	0.5	260	2.88E-01	1.78E-04	1.23E-04	3.29E-01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	25	0.5	260	1.44E-01	8.90E-05	6.14E-05	1.64E-01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	15	0.5	260	8.63E-02	5.34E-05	3.68E-05	9.86E-02
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	25	0.5	260	1.44E-01	8.90E-05	6.14E-05	1.64E-01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	40	0.5	260	2.30E-01	1.42E-04	9.82E-05	2.63E-01
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	15	0.5	260	8.49E-02	5.07E-05	3.63E-05	9.70E-02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	10	0.5	260	5.66E-02	3.38E-05	2.42E-05	6.47E-02
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	50	0.5	260	2.83E-01	1.69E-04	1.21E-04	3.23E-01
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	25	0.5	260	1.42E-01	8.45E-05	6.06E-05	1.62E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	25	0.5	260	1.42E-01	8.45E-05	6.06E-05	1.62E-01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	37.5	0.5	260	2.12E-01	1.27E-04	9.08E-05	2.43E-01
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	25	0.5	260	1.42E-01	8.45E-05	6.06E-05	1.62E-01
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	15	0.5	260	8.49E-02	5.07E-05	3.63E-05	9.70E-02
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	17.5	0.5	260	9.91E-02	5.91E-05	4.24E-05	1.13E-01
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	12.5	0.5	260	7.08E-02	4.22E-05	3.03E-05	8.08E-02

Vendor Running Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/mile)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	9	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	2	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	6	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	2	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	6	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	7	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	6	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	4	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	9	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	2	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	2	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	12	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	4.5	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	14.5	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	8.5	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	4.5	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	15.5	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	5	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	7	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	4	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	6	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	2	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	25	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	6	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	6	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	11.5	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	14.5	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	14.5	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.5	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	6	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	4.5	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	2	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	9	0.5	15	1.49E-04	1.66E-02	2.92E-03	9.53E-05	1.87E+00	1.20E-03	1.88E+00	1.87E-01	1.26E-04	1.87E-01	1.03E+01	3.99E-04	1.49E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	2	0.5	15	3.32E-05	3.68E-03	6.49E-04	2.12E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.80E-05	4.16E-02	2.29E+00	8.87E-05	3.31E-04
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	0.5	15	4.15E-04	4.60E-02	8.11E-03	2.65E-04	5.21E+00	3.32E-03	5.21E+00	5.20E-01	3.51E-04	5.20E-01	2.86E+01	1.11E-03	4.14E-03
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	6	0.5	15	9.96E-05	1.10E-02	1.95E-03	6.35E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.41E-05	1.25E-01	6.87E+00	2.66E-04	9.94E-04
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	2	0.5	15	3.32E-05	3.68E-03	6.49E-04	2.12E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.80E-05	4.16E-02	2.29E+00	8.87E-05	3.31E-04
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	0.5	15	2.49E-04	2.76E-02	4.86E-03	1.59E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.10E-04	3.12E-01	1.72E+01	6.65E-04	2.48E-03
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	6	0.5	15	9.96E-05	1.10E-02	1.95E-03	6.35E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.41E-05	1.25E-01	6.87E+00	2.66E-04	9.94E-04
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	7	0.5	15	1.16E-04	1.29E-02	2.27E-03	7.41E-05	1.46E+00	9.30E-04	1.46E+00	1.46E-01	9.82E-05	1.46E-01	8.02E+00	3.10E-04	1.16E-03
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	6	0.5	15	9.96E-05	1.10E-02	1.95E-03	6.35E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.41E-05	1.25E-01	6.87E+00	2.66E-04	9.94E-04
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	4	0.5	15	6.64E-05	7.36E-03	1.30E-03	4.23E-05	8.33E-01	5.31E-04	8.33E-01	8.32E-02	5.61E-05	8.33E-02	4.58E+00	1.77E-04	6.63E-04
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	9	0.5	15	1.46E-04	1.65E-02	2.92E-03	9.35E-05	1.87E+00	1.20E-03	1.88E+00	1.87E-01	1.23E-04	1.87E-01	1.01E+01	4.00E-04	1.46E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	2	0.5	15	3.26E-05	3.66E-03	6.49E-04	2.08E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.74E-05	4.16E-02	2.25E+00	8.89E-05	3.25E-04
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	0.5	15	4.07E-04	4.58E-02	8.11E-03	2.60E-04	5.21E+00	3.32E-03	5.21E+00	5.20E-01	3.42E-04	5.20E-01	2.81E+01	1.11E-03	4.07E-03
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	0.5	15	3.26E-05	3.66E-03	6.49E-04	2.08E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.74E-05	4.16E-02	2.25E+00	8.89E-05	3.25E-04
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	2	0.5	15	3.26E-05	3.66E-03	6.49E-04	2.08E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.74E-05	4.16E-02	2.25E+00	8.89E-05	3.25E-04
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	0.5	15	9.77E-05	1.10E-02	1.95E-03	6.23E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.21E-05	1.25E-01	6.75E+00	2.67E-04	9.76E-04
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	0.5	15	1.14E-04	1.28E-02	2.27E-03	7.27E-05	1.46E+00	9.30E-04	1.46E+00	1.46E-01	9.57E-05	1.46E-01	7.87E+00	3.11E-04	1.14E-03
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	0.5	15	9.77E-05	1.10E-02	1.95E-03	6.23E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.21E-05	1.25E-01	6.75E+00	2.67E-04	9.76E-04
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	0.5	15	6.51E-05	7.32E-03	1.30E-03	4.16E-05	8.33E-01	5.31E-04	8.33E-01	8.32E-02	5.47E-05	8.33E-02	4.50E+00	1.78E-04	6.51E-04
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	0.5	15	9.77E-05	1.10E-02	1.95E-03	6.23E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.21E-05	1.25E-01	6.75E+00	2.67E-04	9.76E-04
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	12	0.5	15	1.93E-04	2.18E-02	3.89E-03	1.23E-04	2.50E+00	1.59E-03	2.50E+00	2.50E-01	1.63E-04	2.50E-01	1.33E+01	5.35E-04	1.92E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	4.5	0.5	15	7.22E-05	8.18E-03	1.46E-03	4.60E-05	9.37E-01	5.98E-04	9.38E-01	9.36E-02	6.13E-05	9.37E-02	4.98E+00	2.01E-04	7.21E-04
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	14.5	0.5	15	2.33E-04	2.64E-02	4.70E-03	1.48E-04	3.02E+00	1.93E-03	3.02E+00	3.02E-01	1.97E-04	3.02E-01	1.60E+01	6.47E-04	2.32E-03
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	8.5	0.5	15	1.36E-04	1.55E-02	2.76E-03	8.68E-05	1.77E+00	1.13E-03	1.77E+00	1.77E-01	1.16E-04	1.77E-01	9.41E+00	3.79E-04	1.36E-03
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	0.5	15	2.41E-04	2.73E-02	4.86E-03	1.53E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.04E-04	3.12E-01	1.66E+01	6.69E-04	2.40E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	0.5	15	9.63E-05	1.09E-02	1.95E-03	6.13E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.17E-05	1.25E-01	6.64E+00	2.68E-04	9.61E-04
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	4.5	0.5	15	7.22E-05	8.18E-03	1.46E-03	4.60E-05	9.37E-01	5.98E-04	9.38E-01	9.36E-02	6.13E-05	9.37E-02	4.98E+00	2.01E-04	7.21E-04
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	15.5	0.5	15	2.49E-04	2.82E-02	5.03E-03	1.58E-04	3.23E+00	2.06E-03	3.23E+00	3.22E-01	2.11E-04	3.23E-01	1.72E+01	6.91E-04	2.48E-03
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	5	0.5	15	8.02E-05	9.09E-03	1.62E-03	5.11E-05	1.04E+00	6.64E-04	1.04E+00	1.04E-01	6.81E-05	1.04E-01	5.53E+00	2.23E-04	8.01E-04
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	0.5	15	9.63E-05	1.09E-02	1.95E-03	6.13E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.17E-05	1.25E-01	6.64E+00	2.68E-04	9.61E-04
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	0.5	15	2.38E-04	2.71E-02	4.86E-03	1.51E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.03E-04	3.12E-01	1.64E+01	6.71E-04	2.37E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	7	0.5	15	1.11E-04	1.26E-02	2.27E-03	7.04E-05	1.46E+00	9.30E-04	1.46E+00	1.46E-01	9.49E-05	1.46E-01	7.63E+00	3.13E-04	1.11E-03
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	4	0.5	15	6.34E-05	7.23E-03	1.30E-03	4.03E-05	8.33E-01	5.31E-04	8.33E-01	8.32E-02	5.42E-05	8.33E-02	4.36E+00	1.79E-04	6.31E-04
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	0.5	15	2.38E-04	2.71E-02	4.86E-03	1.51E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.03E-04	3.12E-01	1.64E+01	6.71E-04	2.37E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	0.5	15	2.38E-04	2.71E-02	4.86E-03	1.51E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.03E-04	3.12E-01	1.64E+01	6.71E-04	2.37E-03
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	6	0.5	15	9.51E-05	1.08E-02	1.94E-03	6.04E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.13E-05	1.25E-01	6.54E+00	2.68E-04	9.47E-04
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	2	0.5	15	3.17E-05	3.61E-03	6.48E-04	2.01E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.71E-05	4.16E-02	2.18E+00	8.95E-05	3.16E-04
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	25	0.5	15	3.96E-04	4.52E-02	8.10E-03	2.52E-04	5.21E+00	3.32E-03	5.21E+00	5.20E-01	3.39E-04	5.20E-01	2.73E+01	1.12E-03	3.95E-03
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	6	0.5	15	9.41E-05	1.08E-02	1.94E-03	5.95E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.09E-05	1.25E-01	6.45E+00	2.69E-04	9.34E-04
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	6	0.5	15	9.41E-05	1.08E-02	1.94E-03	5.95E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.09E-05	1.25E-01	6.45E+00	2.69E-04	9.34E-04
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	11.5	0.5	15	1.80E-04	2.06E-02	3.73E-03	1.14E-04	2.39E+00	1.53E-03	2.40E+00	2.39E-01	1.55E-04	2.39E-01	1.24E+01	5.16E-04	1.79E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	14.5	0.5	15	2.27E-04	2.60E-02	4.70E-03	1.44E-04	3.02E+00	1.93E-03	3.02E+00	3.02E-01	1.96E-04	3.02E-01	1.56E+01	6.50E-04	2.26E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	14.5	0.5	15	2.27E-04	2.60E-02	4.70E-03	1.44E-04	3.02E+00	1.93E-03	3.02E+00	3.02E-01	1.96E-04	3.02E-01	1.56E+01	6.50E-04	2.26E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.5	0.5	15	1.33E-04	1.52E-02	2.75E-03	8.43E-05	1.77E+00	1.13E-03	1.77E+00	1.77E-01	1.15E-04	1.77E-01	9.14E+00	3.81E-04	1.32E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	0.5	15	2.35E-04	2.69E-02	4.86E-03	1.49E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.02E-04	3.12E-01	1.61E+01	6.73E-04	2.34E-03
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	6	0.5	15	9.41E-05	1.08E-02	1.94E-03	5.95E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.09E-05	1.25E-01	6.45E+00	2.69E-04	9.34E-04
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	4.5	0.5	15	7.06E-05	8.07E-03	1.46E-03	4.46E-05	9.37E-01	5.98E-04	9.38E-01	9.36E-02	6.07E-05	9.37E-02	4.84E+00	2.02E-04	7.01E-04
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	2	0.5	15	3.14E-05	3.59E-03	6.48E-04	1.98E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.70E-05	4.16E-02	2.15E+00	8.97E-05	3.11E-04

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
							MT/year			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	9	0.5	15	260	1.22E+00	4.71E-05	1.76E-04	1.27E+00
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	2	0.5	15	260	2.70E-01	1.05E-05	3.91E-05	2.82E-01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	0.5	15	260	3.38E+00	1.31E-04	4.88E-04	3.53E+00
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	6	0.5	15	260	8.11E-01	3.14E-05	1.17E-04	8.46E-01
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	2	0.5	15	260	2.70E-01	1.05E-05	3.91E-05	2.82E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	0.5	15	260	2.03E+00	7.84E-05	2.93E-04	2.12E+00
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	6	0.5	15	260	8.11E-01	3.14E-05	1.17E-04	8.46E-01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	0.5	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	7	0.5	15	260	9.46E-01	3.66E-05	1.37E-04	9.87E-01
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	6	0.5	15	260	8.11E-01	3.14E-05	1.17E-04	8.46E-01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	4	0.5	15	260	5.40E-01	2.09E-05	7.81E-05	5.64E-01
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	9	0.5	15	260	1.19E+00	4.72E-05	1.73E-04	1.25E+00
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	2	0.5	15	260	2.65E-01	1.05E-05	3.84E-05	2.77E-01
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	0.5	15	260	3.32E+00	1.31E-04	4.80E-04	3.46E+00
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	0.5	15	260	2.65E-01	1.05E-05	3.84E-05	2.77E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	2	0.5	15	260	2.65E-01	1.05E-05	3.84E-05	2.77E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	0.5	15	260	7.96E-01	3.15E-05	1.15E-04	8.31E-01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	0.5	15	260	9.29E-01	3.67E-05	1.34E-04	9.70E-01
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	0.5	15	260	7.96E-01	3.15E-05	1.15E-04	8.31E-01
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	0.5	15	260	5.31E-01	2.10E-05	7.68E-05	5.54E-01
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	0.5	15	260	7.96E-01	3.15E-05	1.15E-04	8.31E-01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	12	0.5	15	260	1.57E+00	6.31E-05	2.27E-04	1.64E+00
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	4.5	0.5	15	260	5.87E-01	2.37E-05	8.50E-05	6.13E-01
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	14.5	0.5	15	260	1.89E+00	7.63E-05	2.74E-04	1.98E+00
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	8.5	0.5	15	260	1.11E+00	4.47E-05	1.61E-04	1.16E+00
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	0.5	15	260	1.96E+00	7.89E-05	2.83E-04	2.04E+00
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	0.5	15	260	7.83E-01	3.16E-05	1.13E-04	8.18E-01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	4.5	0.5	15	260	5.87E-01	2.37E-05	8.50E-05	6.13E-01
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	15.5	0.5	15	260	2.02E+00	8.15E-05	2.93E-04	2.11E+00
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	5	0.5	15	260	6.53E-01	2.63E-05	9.44E-05	6.81E-01
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	0.5	15	260	7.83E-01	3.16E-05	1.13E-04	8.18E-01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	0.5	15	260	1.93E+00	7.91E-05	2.79E-04	2.01E+00
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	7	0.5	15	260	9.00E-01	3.69E-05	1.30E-04	9.40E-01
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	4	0.5	15	260	5.14E-01	2.11E-05	7.45E-05	5.37E-01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	0.5	15	260	1.93E+00	7.91E-05	2.79E-04	2.01E+00
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	0.5	15	260	1.93E+00	7.91E-05	2.79E-04	2.01E+00
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	6	0.5	15	260	7.72E-01	3.17E-05	1.12E-04	8.06E-01
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	2	0.5	15	260	2.57E-01	1.06E-05	3.72E-05	2.69E-01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	25	0.5	15	260	3.21E+00	1.32E-04	4.65E-04	3.36E+00
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	0.5	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	6	0.5	15	260	7.61E-01	3.17E-05	1.10E-04	7.94E-01
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	6	0.5	15	260	7.61E-01	3.17E-05	1.10E-04	7.94E-01
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	11.5	0.5	15	260	1.46E+00	6.08E-05	2.11E-04	1.52E+00
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	14.5	0.5	15	260	1.84E+00	7.67E-05	2.66E-04	1.92E+00
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	14.5	0.5	15	260	1.84E+00	7.67E-05	2.66E-04	1.92E+00
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.5	0.5	15	260	1.08E+00	4.50E-05	1.56E-04	1.13E+00
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	0.5	15	260	1.90E+00	7.93E-05	2.75E-04	1.99E+00
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	6	0.5	15	260	7.61E-01	3.17E-05	1.10E-04	7.94E-01
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	4.5	0.5	15	260	5.70E-01	2.38E-05	8.26E-05	5.96E-01
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	2	0.5	15	260	2.54E-01	1.06E-05	3.67E-05	2.65E-01

Vendor Starting/Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/trip)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	9	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	2	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	6	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	2	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	6	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	7	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	6	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	4	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	9	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	2	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	2	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	12	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	4.5	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	14.5	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	8.5	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	4.5	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	15.5	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	5	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	7	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	4	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	6	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	2	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	25	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	6	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	6	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	11.5	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	14.5	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	14.5	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.5	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	6	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	4.5	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	2	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	9	0.5	15	6.83E-04	2.02E-02	4.13E-03	4.24E-07	0.00E+00	4.98E-07	4.98E-07	0.00E+00	4.58E-07	4.58E-07	4.28E-02	4.09E-05	3.72E-05
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	2	0.5	15	1.52E-04	4.49E-03	9.18E-04	9.42E-08	0.00E+00	1.11E-07	1.11E-07	0.00E+00	1.02E-07	1.02E-07	9.51E-03	9.09E-06	8.26E-06
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	0.5	15	1.90E-03	5.62E-02	1.15E-02	1.18E-06	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	1.19E-01	1.14E-04	1.03E-04
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	6	0.5	15	4.55E-04	1.35E-02	2.75E-03	2.82E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.85E-02	2.73E-05	2.48E-05
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	2	0.5	15	1.52E-04	4.49E-03	9.18E-04	9.42E-08	0.00E+00	1.11E-07	1.11E-07	0.00E+00	1.02E-07	1.02E-07	9.51E-03	9.09E-06	8.26E-06
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	0.5	15	1.14E-03	3.37E-02	6.88E-03	7.06E-07	0.00E+00	8.31E-07	8.31E-07	0.00E+00	7.64E-07	7.64E-07	7.14E-02	6.81E-05	6.19E-05
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	6	0.5	15	4.55E-04	1.35E-02	2.75E-03	2.82E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.85E-02	2.73E-05	2.48E-05
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	7	0.5	15	5.31E-04	1.57E-02	3.21E-03	3.30E-07	0.00E+00	3.88E-07	3.88E-07	0.00E+00	3.56E-07	3.56E-07	3.33E-02	3.18E-05	2.89E-05
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	6	0.5	15	4.55E-04	1.35E-02	2.75E-03	2.82E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.85E-02	2.73E-05	2.48E-05
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	4	0.5	15	3.04E-04	8.99E-03	1.84E-03	1.88E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.04E-07	2.04E-07	1.90E-02	1.82E-05	1.65E-05
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	9	0.5	15	6.62E-04	2.02E-02	4.00E-03	4.13E-07	0.00E+00	4.97E-07	4.97E-07	0.00E+00	4.57E-07	4.57E-07	4.18E-02	4.01E-05	3.69E-05
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	2	0.5	15	1.47E-04	4.50E-03	8.89E-04	9.19E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.01E-07	1.01E-07	9.28E-03	8.90E-06	8.20E-06
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	0.5	15	1.84E-03	5.62E-02	1.11E-02	1.15E-06	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	1.16E-01	1.11E-04	1.02E-04
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	0.5	15	1.47E-04	4.50E-03	8.89E-04	9.19E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.01E-07	1.01E-07	9.28E-03	8.90E-06	8.20E-06
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	2	0.5	15	1.47E-04	4.50E-03	8.89E-04	9.19E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.01E-07	1.01E-07	9.28E-03	8.90E-06	8.20E-06
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	0.5	15	4.41E-04	1.35E-02	2.67E-03	2.76E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.78E-02	2.67E-05	2.46E-05
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	0.5	15	5.15E-04	1.57E-02	3.11E-03	3.21E-07	0.00E+00	3.86E-07	3.86E-07	0.00E+00	3.55E-07	3.55E-07	3.25E-02	3.12E-05	2.87E-05
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	0.5	15	4.41E-04	1.35E-02	2.67E-03	2.76E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.78E-02	2.67E-05	2.46E-05
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	0.5	15	2.94E-04	9.00E-03	1.78E-03	1.84E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.03E-07	2.03E-07	1.86E-02	1.78E-05	1.64E-05
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	0.5	15	4.41E-04	1.35E-02	2.67E-03	2.76E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.78E-02	2.67E-05	2.46E-05
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	12	0.5	15	8.59E-04	2.70E-02	5.20E-03	5.40E-07	0.00E+00	6.62E-07	6.62E-07	0.00E+00	6.08E-07	6.08E-07	5.46E-02	5.27E-05	4.90E-05
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	4.5	0.5	15	3.22E-04	1.01E-02	1.95E-03	2.02E-07	0.00E+00	2.48E-07	2.48E-07	0.00E+00	2.28E-07	2.28E-07	2.05E-02	1.98E-05	1.84E-05
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	14.5	0.5	15	1.04E-03	3.26E-02	6.29E-03	6.52E-07	0.00E+00	7.99E-07	7.99E-07	0.00E+00	7.35E-07	7.35E-07	6.59E-02	6.36E-05	5.92E-05
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	8.5	0.5	15	6.09E-04	1.91E-02	3.68E-03	3.82E-07	0.00E+00	4.69E-07	4.69E-07	0.00E+00	4.31E-07	4.31E-07	3.87E-02	3.73E-05	3.47E-05
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	0.5	15	1.07E-03	3.38E-02	6.50E-03	6.75E-07	0.00E+00	8.27E-07	8.27E-07	0.00E+00	7.60E-07	7.60E-07	6.82E-02	6.58E-05	6.12E-05
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	0.5	15	4.30E-04	1.35E-02	2.60E-03	2.70E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.73E-02	2.63E-05	2.45E-05
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	4.5	0.5	15	3.22E-04	1.01E-02	1.95E-03	2.02E-07	0.00E+00	2.48E-07	2.48E-07	0.00E+00	2.28E-07	2.28E-07	2.05E-02	1.98E-05	1.84E-05
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	15.5	0.5	15	1.11E-03	3.49E-02	6.72E-03	6.97E-07	0.00E+00	8.54E-07	8.54E-07	0.00E+00	7.86E-07	7.86E-07	7.05E-02	6.80E-05	6.33E-05
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	5	0.5	15	3.58E-04	1.13E-02	2.17E-03	2.25E-07	0.00E+00	2.76E-07	2.76E-07	0.00E+00	2.53E-07	2.53E-07	2.27E-02	2.19E-05	2.04E-05
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	0.5	15	4.30E-04	1.35E-02	2.60E-03	2.70E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.73E-02	2.63E-05	2.45E-05
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	0.5	15	1.05E-03	3.38E-02	6.37E-03	6.63E-07	0.00E+00	8.28E-07	8.28E-07	0.00E+00	7.61E-07	7.61E-07	6.70E-02	6.51E-05	6.11E-05
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	7	0.5	15	4.90E-04	1.58E-02	2.97E-03	3.09E-07	0.00E+00	3.86E-07	3.86E-07	0.00E+00	3.55E-07	3.55E-07	3.13E-02	3.04E-05	2.85E-05
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	4	0.5	15	2.80E-04	9.01E-03	1.70E-03	1.77E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.03E-07	2.03E-07	1.79E-02	1.74E-05	1.63E-05
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	0.5	15	1.05E-03	3.38E-02	6.37E-03	6.63E-07	0.00E+00	8.28E-07	8.28E-07	0.00E+00	7.61E-07	7.61E-07	6.70E-02	6.51E-05	6.11E-05
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	0.5	15	1.05E-03	3.38E-02	6.37E-03	6.63E-07	0.00E+00	8.28E-07	8.28E-07	0.00E+00	7.61E-07	7.61E-07	6.70E-02	6.51E-05	6.11E-05
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	6	0.5	15	4.20E-04	1.35E-02	2.55E-03	2.65E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.05E-07	3.05E-07	2.68E-02	2.61E-05	2.44E-05
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	2	0.5	15	1.40E-04	4.51E-03	8.49E-04	8.84E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.02E-07	1.02E-07	8.94E-03	8.68E-06	8.15E-06
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	25	0.5	15	1.75E-03	5.63E-02	1.06E-02	1.11E-06	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	1.12E-01	1.09E-04	1.02E-04
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	6	0.5	15	4.12E-04	1.35E-02	2.50E-03	2.61E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.64E-02	2.58E-05	2.44E-05
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	6	0.5	15	4.12E-04	1.35E-02	2.50E-03	2.61E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.64E-02	2.58E-05	2.44E-05
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	11.5	0.5	15	7.89E-04	2.59E-02	4.79E-03	5.00E-07	0.00E+00	6.36E-07	6.36E-07	0.00E+00	5.85E-07	5.85E-07	5.05E-02	4.95E-05	4.68E-05
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	14.5	0.5	15	9.95E-04	3.27E-02	6.03E-03	6.30E-07	0.00E+00	8.02E-07	8.02E-07	0.00E+00	7.37E-07	7.37E-07	6.37E-02	6.24E-05	5.90E-05
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	14.5	0.5	15	9.95E-04	3.27E-02	6.03E-03	6.30E-07	0.00E+00	8.02E-07	8.02E-07	0.00E+00	7.37E-07	7.37E-07	6.37E-02	6.24E-05	5.90E-05
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.5	0.5	15	5.83E-04	1.92E-02	3.54E-03	3.70E-07	0.00E+00	4.70E-07	4.70E-07	0.00E+00	4.32E-07	4.32E-07	3.73E-02	3.66E-05	3.46E-05
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	0.5	15	1.03E-03	3.38E-02	6.24E-03	6.52E-07	0.00E+00	8.30E-07	8.30E-07	0.00E+00	7.63E-07	7.63E-07	6.59E-02	6.45E-05	6.10E-05
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	6	0.5	15	4.12E-04	1.35E-02	2.50E-03	2.61E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.64E-02	2.58E-05	2.44E-05
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	4.5	0.5	15	3.09E-04	1.01E-02	1.87E-03	1.96E-07	0.00E+00	2.49E-07	2.49E-07	0.00E+00	2.29E-07	2.29E-07	1.98E-02	1.94E-05	1.83E-05
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	2	0.5	15	1.37E-04	4.51E-03	8.32E-04	8.70E-08	0.00E+00	1.11E-07	1.11E-07	0.00E+00	1.02E-07	1.02E-07	8.79E-03	8.60E-06	8.14E-06

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
							MT/year			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	9	0.5	15	260	5.05E-03	4.8215E-06	4.3816E-06	6.48E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	2	0.5	15	260	0.00112213	1.0714E-06	9.7369E-07	1.44E-03
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	0.5	15	260	0.01402658	1.3393E-05	1.2171E-05	1.80E-02
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	6	0.5	15	260	0.00336638	3.2143E-06	2.9211E-06	4.32E-03
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	2	0.5	15	260	0.00112213	1.0714E-06	9.7369E-07	1.44E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	0.5	15	260	0.00841595	8.0359E-06	7.3027E-06	1.08E-02
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	6	0.5	15	260	0.00336638	3.2143E-06	2.9211E-06	4.32E-03
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	0.5	15	260	0	0	0	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	7	0.5	15	260	0.00392744	3.7501E-06	3.4079E-06	5.04E-03
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	6	0.5	15	260	0.00336638	3.2143E-06	2.9211E-06	4.32E-03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	4	0.5	15	260	0.00224425	2.1429E-06	1.9474E-06	2.88E-03
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	9	0.5	15	260	0.00492606	4.7254E-06	4.3492E-06	6.34E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	2	0.5	15	260	0.00109468	1.0501E-06	9.665E-07	1.41E-03
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	0.5	15	260	0.0136835	1.3126E-05	1.2081E-05	1.76E-02
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	0.5	15	260	0.00109468	1.0501E-06	9.665E-07	1.41E-03
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	2	0.5	15	260	0.00109468	1.0501E-06	9.665E-07	1.41E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	0.5	15	260	0.00328404	3.1503E-06	2.8995E-06	4.23E-03
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	0.5	15	260	0.00383138	3.6753E-06	3.3827E-06	4.93E-03
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	0.5	15	260	0.00328404	3.1503E-06	2.8995E-06	4.23E-03
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	15	260	0	0	0	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	0.5	15	260	0.00218936	2.1002E-06	1.933E-06	2.82E-03
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	0.5	15	260	0.00328404	3.1503E-06	2.8995E-06	4.23E-03
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	12	0.5	15	260	0.00643515	6.2113E-06	5.7766E-06	8.31E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	4.5	0.5	15	260	0.00241318	2.3292E-06	2.1662E-06	3.12E-03
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	14.5	0.5	15	260	0.0077758	7.5054E-06	6.9801E-06	1.00E-02
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	8.5	0.5	15	260	0.00455823	4.3997E-06	4.0918E-06	5.89E-03
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	0.5	15	260	0.00804393	7.7642E-06	7.2208E-06	1.04E-02
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	0.5	15	260	0.00321757	3.1057E-06	2.8883E-06	4.16E-03
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	4.5	0.5	15	260	0.00241318	2.3292E-06	2.1662E-06	3.12E-03
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	15.5	0.5	15	260	0.00831206	8.023E-06	7.4615E-06	1.07E-02
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	15	260	0	0	0	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	5	0.5	15	260	0.00268131	2.5881E-06	2.4069E-06	3.46E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	0.5	15	260	0.00321757	3.1057E-06	2.8883E-06	4.16E-03
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	0.5	15	260	0.00790352	7.6812E-06	7.2085E-06	1.02E-02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	7	0.5	15	260	0.00368831	3.5846E-06	3.364E-06	4.78E-03
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	4	0.5	15	260	0.0021076	2.0483E-06	1.9223E-06	2.73E-03
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	0.5	15	260	0.00790352	7.6812E-06	7.2085E-06	1.02E-02
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	0.5	15	260	0.00790352	7.6812E-06	7.2085E-06	1.02E-02
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	6	0.5	15	260	0.00316141	3.0725E-06	2.8834E-06	4.10E-03
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	2	0.5	15	260	0.0010538	1.0242E-06	9.6113E-07	1.37E-03
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	15	260	0	0	0	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	25	0.5	15	260	0.01317253	1.2802E-05	1.2014E-05	1.71E-02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	0.5	15	260	0	0	0	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	6	0.5	15	260	0.0031089	3.0429E-06	2.8786E-06	4.04E-03
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	6	0.5	15	260	0.0031089	3.0429E-06	2.8786E-06	4.04E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	11.5	0.5	15	260	0.00595872	5.8323E-06	5.5174E-06	7.75E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	14.5	0.5	15	260	0.00751316	7.3537E-06	6.9567E-06	9.77E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	14.5	0.5	15	260	0.00751316	7.3537E-06	6.9567E-06	9.77E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.5	0.5	15	260	0.00440427	4.3108E-06	4.0781E-06	5.73E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	0.5	15	260	0.00777224	7.6073E-06	7.1966E-06	1.01E-02
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	6	0.5	15	260	0.0031089	3.0429E-06	2.8786E-06	4.04E-03
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	4.5	0.5	15	260	0.00233167	2.2822E-06	2.159E-06	3.03E-03
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	2	0.5	15	260	0.0010363	1.0143E-06	9.5955E-07	1.35E-03

						Vendor Idling Emission Factors												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission Factor (g/min)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	9	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	2	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	6	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	2	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	6	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	7	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	6	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	4	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	9	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	2	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	2	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	12	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	4.5	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	14.5	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	8.5	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	4.5	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	15.5	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	5	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	7	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	4	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	6	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	2	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	25	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	6	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	6	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	11.5	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	14.5	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	14.5	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.5	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	6	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	4.5	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	2	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	9	0.5	15	1.49E-01	5.55E-04	4.65E-03	9.11E-03	9.22E-06	0.00E+00	1.93E-06	1.93E-06	0.00E+00	1.84E-06	1.84E-06	9.74E-01	6.02E-05
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	2	0.5	15	3.31E-02	1.23E-04	1.03E-03	2.03E-03	2.05E-06	0.00E+00	4.28E-07	4.28E-07	0.00E+00	4.10E-07	4.10E-07	2.16E-01	1.34E-05
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	0.5	15	4.13E-01	1.54E-03	1.29E-02	2.53E-02	2.56E-05	0.00E+00	5.36E-06	5.36E-06	0.00E+00	5.12E-06	5.12E-06	2.71E+00	1.67E-04
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	6	0.5	15	9.92E-02	3.70E-04	3.10E-03	6.08E-03	6.15E-06	0.00E+00	1.29E-06	1.29E-06	0.00E+00	1.23E-06	1.23E-06	6.49E-01	4.02E-05
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	2	0.5	15	3.31E-02	1.23E-04	1.03E-03	2.03E-03	2.05E-06	0.00E+00	4.28E-07	4.28E-07	0.00E+00	4.10E-07	4.10E-07	2.16E-01	1.34E-05
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	0.5	15	2.48E-01	9.25E-04	7.75E-03	1.52E-02	1.54E-05	0.00E+00	3.21E-06	3.21E-06	0.00E+00	3.07E-06	3.07E-06	1.62E+00	1.00E-04
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	6	0.5	15	9.92E-02	3.70E-04	3.10E-03	6.08E-03	6.15E-06	0.00E+00	1.29E-06	1.29E-06	0.00E+00	1.23E-06	1.23E-06	6.49E-01	4.02E-05
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	7	0.5	15	1.16E-01	4.31E-04	3.62E-03	7.09E-03	7.17E-06	0.00E+00	1.50E-06	1.50E-06	0.00E+00	1.43E-06	1.43E-06	7.58E-01	4.68E-05
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	6	0.5	15	9.92E-02	3.70E-04	3.10E-03	6.08E-03	6.15E-06	0.00E+00	1.29E-06	1.29E-06	0.00E+00	1.23E-06	1.23E-06	6.49E-01	4.02E-05
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	4	0.5	15	6.61E-02	2.47E-04	2.07E-03	4.05E-03	4.10E-06	0.00E+00	8.57E-07	8.57E-07	0.00E+00	8.20E-07	8.20E-07	4.33E-01	2.68E-05
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	9	0.5	15	1.49E-01	5.51E-04	4.62E-03	9.08E-03	9.08E-06	0.00E+00	1.82E-06	1.82E-06	0.00E+00	1.74E-06	1.74E-06	9.60E-01	6.00E-05
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	2	0.5	15	3.31E-02	1.23E-04	1.03E-03	2.02E-03	2.02E-06	0.00E+00	4.04E-07	4.04E-07	0.00E+00	3.87E-07	3.87E-07	2.13E-01	1.33E-05
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	0.5	15	4.13E-01	1.53E-03	1.28E-02	2.52E-02	2.52E-05	0.00E+00	5.05E-06	5.05E-06	0.00E+00	4.83E-06	4.83E-06	2.67E+00	1.67E-04
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	0.5	15	3.31E-02	1.23E-04	1.03E-03	2.02E-03	2.02E-06	0.00E+00	4.04E-07	4.04E-07	0.00E+00	3.87E-07	3.87E-07	2.13E-01	1.33E-05
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	2	0.5	15	3.31E-02	1.23E-04	1.03E-03	2.02E-03	2.02E-06	0.00E+00	4.04E-07	4.04E-07	0.00E+00	3.87E-07	3.87E-07	2.13E-01	1.33E-05
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	0.5	15	9.92E-02	3.68E-04	3.08E-03	6.05E-03	6.06E-06	0.00E+00	1.21E-06	1.21E-06	0.00E+00	1.16E-06	1.16E-06	6.40E-01	4.00E-05
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	0.5	15	1.16E-01	4.29E-04	3.59E-03	7.06E-03	7.07E-06	0.00E+00	1.41E-06	1.41E-06	0.00E+00	1.35E-06	1.35E-06	7.47E-01	4.67E-05
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	0.5	15	9.92E-02	3.68E-04	3.08E-03	6.05E-03	6.06E-06	0.00E+00	1.21E-06	1.21E-06	0.00E+00	1.16E-06	1.16E-06	6.40E-01	4.00E-05
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	0.5	15	6.61E-02	2.45E-04	2.05E-03	4.03E-03	4.04E-06	0.00E+00	8.08E-07	8.08E-07	0.00E+00	7.74E-07	7.74E-07	4.27E-01	2.67E-05
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	0.5	15	9.92E-02	3.68E-04	3.08E-03	6.05E-03	6.06E-06	0.00E+00	1.21E-06	1.21E-06	0.00E+00	1.16E-06	1.16E-06	6.40E-01	4.00E-05
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	12	0.5	15	1.98E-01	7.32E-04	6.13E-03	1.21E-02	1.19E-05	0.00E+00	2.32E-06	2.32E-06	0.00E+00	2.22E-06	2.22E-06	1.26E+00	7.99E-05
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	4.5	0.5	15	7.44E-02	2.75E-04	2.30E-03	4.53E-03	4.48E-06	0.00E+00	8.71E-07	8.71E-07	0.00E+00	8.33E-07	8.33E-07	4.73E-01	3.00E-05
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	14.5	0.5	15	2.40E-01	8.85E-04	7.40E-03	1.46E-02	1.44E-05	0.00E+00	2.81E-06	2.81E-06	0.00E+00	2.68E-06	2.68E-06	1.53E+00	9.66E-05
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	8.5	0.5	15	1.41E-01	5.19E-04	4.34E-03	8.56E-03	8.46E-06	0.00E+00	1.64E-06	1.64E-06	0.00E+00	1.57E-06	1.57E-06	8.94E-01	5.66E-05
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	0.5	15	2.48E-01	9.15E-04	7.66E-03	1.51E-02	1.49E-05	0.00E+00	2.90E-06	2.90E-06	0.00E+00	2.78E-06	2.78E-06	1.58E+00	9.99E-05
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	0.5	15	9.92E-02	3.66E-04	3.06E-03	6.04E-03	5.97E-06	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.11E-06	1.11E-06	6.31E-01	4.00E-05
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	4.5	0.5	15	7.44E-02	2.75E-04	2.30E-03	4.53E-03	4.48E-06	0.00E+00	8.71E-07	8.71E-07	0.00E+00	8.33E-07	8.33E-07	4.73E-01	3.00E-05
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	15.5	0.5	15	2.56E-01	9.46E-04	7.91E-03	1.56E-02	1.54E-05	0.00E+00	3.00E-06	3.00E-06	0.00E+00	2.87E-06	2.87E-06	1.63E+00	1.03E-04
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	5	0.5	15	8.27E-02	3.05E-04	2.55E-03	5.03E-03	4.97E-06	0.00E+00	9.68E-07	9.68E-07	0.00E+00	9.26E-07	9.26E-07	5.26E-01	3.33E-05
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	0.5	15	9.92E-02	3.66E-04	3.06E-03	6.04E-03	5.97E-06	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.11E-06	1.11E-06	6.31E-01	4.00E-05
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	0.5	15	2.48E-01	9.13E-04	7.62E-03	1.51E-02	1.47E-05	0.00E+00	2.80E-06	2.80E-06	0.00E+00	2.68E-06	2.68E-06	1.56E+00	1.00E-04
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	7	0.5	15	1.16E-01	4.26E-04	3.56E-03	7.04E-03	6.87E-06	0.00E+00	1.31E-06	1.31E-06	0.00E+00	1.25E-06	1.25E-06	7.27E-01	4.67E-05
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	4	0.5	15	6.61E-02	2.44E-04	2.03E-03	4.02E-03	3.93E-06	0.00E+00	7.46E-07	7.46E-07	0.00E+00	7.14E-07	7.14E-07	4.15E-01	2.67E-05
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	0.5	15	2.48E-01	9.13E-04	7.62E-03	1.51E-02	1.47E-05	0.00E+00	2.80E-06	2.80E-06	0.00E+00	2.68E-06	2.68E-06	1.56E+00	1.00E-04
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	0.5	15	2.48E-01	9.13E-04	7.62E-03	1.51E-02	1.47E-05	0.00E+00	2.80E-06	2.80E-06	0.00E+00	2.68E-06	2.68E-06	1.56E+00	1.00E-04
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	6	0.5	15	9.92E-02	3.65E-04	3.05E-03	6.03E-03	5.89E-06	0.00E+00	1.12E-06	1.12E-06	0.00E+00	1.07E-06	1.07E-06	6.23E-01	4.00E-05
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	2	0.5	15	3.31E-02	1.22E-04	1.02E-03	2.01E-03	1.96E-06	0.00E+00	3.73E-07	3.73E-07	0.00E+00	3.57E-07	3.57E-07	2.08E-01	1.33E-05
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	25	0.5	15	4.13E-01	1.52E-03	1.27E-02	2.51E-02	2.45E-05	0.00E+00	4.66E-06	4.66E-06	0.00E+00	4.46E-06	4.46E-06	2.60E+00	1.67E-04
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	6	0.5	15	9.92E-02	3.64E-04	3.03E-03	6.03E-03	5.81E-06	0.00E+00	1.08E-06	1.08E-06	0.00E+00	1.04E-06	1.04E-06	6.15E-01	4.00E-05
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	6	0.5	15	9.92E-02	3.64E-04	3.03E-03	6.03E-03	5.81E-06	0.00E+00	1.08E-06	1.08E-06	0.00E+00	1.04E-06	1.04E-06	6.15E-01	4.00E-05
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	11.5	0.5	15	1.90E-01	6.99E-04	5.81E-03	1.16E-02	1.11E-05	0.00E+00	2.07E-06	2.07E-06	0.00E+00	1.98E-06	1.98E-06	1.18E+00	7.67E-05
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	14.5	0.5	15	2.40E-01	8.81E-04	7.33E-03	1.46E-02	1.41E-05	0.00E+00	2.62E-06	2.62E-06	0.00E+00	2.50E-06	2.50E-06	1.49E+00	9.67E-05
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	14.5	0.5	15	2.40E-01	8.81E-04	7.33E-03	1.46E-02	1.41E-05	0.00E+00	2.62E-06	2.62E-06	0.00E+00	2.50E-06	2.50E-06	1.49E+00	9.67E-05
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.5	0.5	15	1.41E-01	5.16E-04	4.30E-03	8.54E-03	8.24E-06	0.00E+00	1.53E-06	1.53E-06	0.00E+00	1.47E-06	1.47E-06	8.72E-01	5.67E-05
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	0.5	15	2.48E-01	9.11E-04	7.58E-03	1.51E-02	1.45E-05	0.00E+00	2.71E-06	2.71E-06	0.00E+00	2.59E-06	2.59E-06	1.54E+00	1.00E-04
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	6	0.5	15	9.92E-02	3.64E-04	3.03E-03	6.03E-03	5.81E-06	0.00E+00	1.08E-06	1.08E-06	0.00E+00	1.04E-06	1.04E-06	6.15E-01	4.00E-05
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	4.5	0.5	15	7.44E-02	2.73E-04	2.28E-03	4.52E-03	4.36E-06	0.00E+00	8.12E-07	8.12E-07	0.00E+00	7.77E-07	7.77E-07	4.61E-01	3.00E-05
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	2	0.5	15	3.31E-02	1.21E-04	1.01E-03	2.01E-03	1.94E-06	0.00E+00	3.61E-07	3.61E-07	0.00E+00	3.45E-07	3.45E-07	2.05E-01	1.33E-05

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
							MT/year			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	9	0.5	15	260	2.18E-07	0.11486073	7.1029E-06	2.87E+00
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	2	0.5	15	260	4.8347E-08	0.02552461	1.5784E-06	6.39E-01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	0.5	15	260	6.0433E-07	0.31905758	1.973E-05	7.98E+00
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	6	0.5	15	260	1.4504E-07	0.07657382	4.7353E-06	1.92E+00
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	2	0.5	15	260	4.8347E-08	0.02552461	1.5784E-06	6.39E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	0.5	15	260	3.626E-07	0.19143455	1.1838E-05	4.79E+00
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	6	0.5	15	260	1.4504E-07	0.07657382	4.7353E-06	1.92E+00
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	0.5	15	260	0	0	0	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	7	0.5	15	260	1.6921E-07	0.08933612	5.5245E-06	2.24E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	6	0.5	15	260	1.4504E-07	0.07657382	4.7353E-06	1.92E+00
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	4	0.5	15	260	9.6693E-08	0.05104921	3.1569E-06	1.28E+00
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	9	0.5	15	260	2.0526E-07	0.11320367	7.0768E-06	2.83E+00
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	2	0.5	15	260	4.5612E-08	0.02515637	1.5726E-06	6.29E-01
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	0.5	15	260	5.7015E-07	0.31445464	1.9658E-05	7.87E+00
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	0.5	15	260	4.5612E-08	0.02515637	1.5726E-06	6.29E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	2	0.5	15	260	4.5612E-08	0.02515637	1.5726E-06	6.29E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	0.5	15	260	1.3684E-07	0.07546911	4.7179E-06	1.89E+00
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	0.5	15	260	1.5964E-07	0.0880473	5.5042E-06	2.20E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	0.5	15	260	1.3684E-07	0.07546911	4.7179E-06	1.89E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	15	260	0	0	0	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	0.5	15	260	9.1225E-08	0.05031274	3.1453E-06	1.26E+00
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	0.5	15	260	1.3684E-07	0.07546911	4.7179E-06	1.89E+00
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	12	0.5	15	260	2.6201E-07	0.14886046	9.4273E-06	3.72E+00
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	4.5	0.5	15	260	9.8252E-08	0.05582267	3.5352E-06	1.40E+00
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	14.5	0.5	15	260	3.1659E-07	0.17987306	1.1391E-05	4.50E+00
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	8.5	0.5	15	260	1.8559E-07	0.10544283	6.6776E-06	2.64E+00
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	0.5	15	260	3.2751E-07	0.18607558	1.1784E-05	4.66E+00
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	0.5	15	260	1.31E-07	0.07443023	4.7136E-06	1.86E+00
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	4.5	0.5	15	260	9.8252E-08	0.05582267	3.5352E-06	1.40E+00
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	15.5	0.5	15	260	3.3842E-07	0.19227809	1.2177E-05	4.81E+00
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	15	260	0	0	0	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	5	0.5	15	260	1.0917E-07	0.06202519	3.928E-06	1.55E+00
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	0.5	15	260	1.31E-07	0.07443023	4.7136E-06	1.86E+00
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	0.5	15	260	3.1567E-07	0.18366007	1.1791E-05	4.60E+00
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	7	0.5	15	260	1.4731E-07	0.08570803	5.5023E-06	2.14E+00
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	4	0.5	15	260	8.4179E-08	0.04897602	3.1442E-06	1.23E+00
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	0.5	15	260	3.1567E-07	0.18366007	1.1791E-05	4.60E+00
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	0.5	15	260	3.1567E-07	0.18366007	1.1791E-05	4.60E+00
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	6	0.5	15	260	1.2627E-07	0.07346403	4.7163E-06	1.84E+00
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	2	0.5	15	260	4.2089E-08	0.02448801	1.5721E-06	6.13E-01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	15	260	0	0	0	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	25	0.5	15	260	5.2612E-07	0.30610012	1.9651E-05	7.66E+00
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	0.5	15	260	0	0	0	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	6	0.5	15	260	1.2213E-07	0.07255739	4.7181E-06	1.82E+00
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	6	0.5	15	260	1.2213E-07	0.07255739	4.7181E-06	1.82E+00
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	11.5	0.5	15	260	2.3408E-07	0.13906834	9.043E-06	3.48E+00
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	14.5	0.5	15	260	2.9515E-07	0.17534703	1.1402E-05	4.39E+00
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	14.5	0.5	15	260	2.9515E-07	0.17534703	1.1402E-05	4.39E+00
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.5	0.5	15	260	1.7302E-07	0.10278964	6.684E-06	2.57E+00
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	0.5	15	260	3.0533E-07	0.18139348	1.1795E-05	4.54E+00
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	6	0.5	15	260	1.2213E-07	0.07255739	4.7181E-06	1.82E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	4.5	0.5	15	260	9.1598E-08	0.05441804	3.5386E-06	1.36E+00
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	2	0.5	15	260	4.071E-08	0.0241858	1.5727E-06	6.05E-01

							Haul Running Emission Factors												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission Factor (g/mile)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	1705	7	0.5	2.14E-02	2.31E+00	4.75E-01	1.07E-02	1.89E+02	1.98E-02	1.89E+02	1.89E+01	1.89E-02	1.89E+01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	26	0	0.5	2.14E-02	2.31E+00	4.75E-01	1.07E-02	1.89E+02	1.98E-02	1.89E+02	1.89E+01	1.89E-02	1.89E+01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	0.5	2.14E-02	2.31E+00	4.75E-01	1.07E-02	1.89E+02	1.98E-02	1.89E+02	1.89E+01	1.89E-02	1.89E+01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	0	0	0.5	2.14E-02	2.31E+00	4.75E-01	1.07E-02	1.89E+02	1.98E-02	1.89E+02	1.89E+01	1.89E-02	1.89E+01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	7512	29	0.5	2.14E-02	2.31E+00	4.75E-01	1.07E-02	1.89E+02	1.98E-02	1.89E+02	1.89E+01	1.89E-02	1.89E+01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	2191	8	0.5	2.14E-02	2.31E+00	4.75E-01	1.07E-02	1.89E+02	1.98E-02	1.89E+02	1.89E+01	1.89E-02	1.89E+01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	5008	19	0.5	2.14E-02	2.31E+00	4.75E-01	1.07E-02	1.89E+02	1.98E-02	1.89E+02	1.89E+01	1.89E-02	1.89E+01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	0.5	2.14E-02	2.31E+00	4.75E-01	1.07E-02	1.89E+02	1.98E-02	1.89E+02	1.89E+01	1.89E-02	1.89E+01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	0.5	2.14E-02	2.31E+00	4.75E-01	1.07E-02	1.89E+02	1.98E-02	1.89E+02	1.89E+01	1.89E-02	1.89E+01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	528	2	0.5	2.14E-02	2.31E+00	4.75E-01	1.07E-02	1.89E+02	1.98E-02	1.89E+02	1.89E+01	1.89E-02	1.89E+01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	624	2	0.5	2.14E-02	2.31E+00	4.75E-01	1.07E-02	1.89E+02	1.98E-02	1.89E+02	1.89E+01	1.89E-02	1.89E+01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	1705	7	0.5	2.11E-02	2.29E+00	4.81E-01	1.05E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	52	0	0.5	2.11E-02	2.29E+00	4.81E-01	1.05E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	0.5	2.11E-02	2.29E+00	4.81E-01	1.05E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	0.5	2.11E-02	2.29E+00	4.81E-01	1.05E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	7512	29	0.5	2.11E-02	2.29E+00	4.81E-01	1.05E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	0.5	2.11E-02	2.29E+00	4.81E-01	1.05E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	0.5	2.11E-02	2.29E+00	4.81E-01	1.05E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	0.5	2.11E-02	2.29E+00	4.81E-01	1.05E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	0.5	2.11E-02	2.29E+00	4.81E-01	1.05E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	0.5	2.11E-02	2.29E+00	4.81E-01	1.05E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	0.5	2.11E-02	2.29E+00	4.81E-01	1.05E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.16E+03	7.99E-02	1.85E-01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	2945	11	0.5	2.09E-02	2.27E+00	4.85E-01	1.03E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	26	0	0.5	2.09E-02	2.27E+00	4.85E-01	1.03E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	3442	13	0.5	2.09E-02	2.27E+00	4.85E-01	1.03E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	5848.5	22	0.5	2.09E-02	2.27E+00	4.85E-01	1.03E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	0.5	2.09E-02	2.27E+00	4.85E-01	1.03E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	2556	10	0.5	2.09E-02	2.27E+00	4.85E-01	1.03E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	3756	14	0.5	2.09E-02	2.27E+00	4.85E-01	1.03E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	3130	12	0.5	2.09E-02	2.27E+00	4.85E-01	1.03E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	0.5	2.09E-02	2.27E+00	4.85E-01	1.03E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	2816	11	0.5	2.09E-02	2.27E+00	4.85E-01	1.03E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	264	1	0.5	2.09E-02	2.27E+00	4.85E-01	1.03E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.14E+03	8.02E-02	1.82E-01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	4185	16	0.5	2.07E-02	2.25E+00	4.88E-01	1.01E-02	1.89E+02	1.90E-02	1.89E+02	1.89E+01	1.82E-02	1.89E+01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	0	0	0.5	2.07E-02	2.25E+00	4.88E-01	1.01E-02	1.89E+02	1.90E-02	1.89E+02	1.89E+01	1.82E-02	1.89E+01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	624	2	0.5	2.07E-02	2.25E+00	4.88E-01	1.01E-02	1.89E+02	1.90E-02	1.89E+02	1.89E+01	1.82E-02	1.89E+01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	4185	16	0.5	2.07E-02	2.25E+00	4.88E-01	1.01E-02	1.89E+02	1.90E-02	1.89E+02	1.89E+01	1.82E-02	1.89E+01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	2191	8	0.5	2.07E-02	2.25E+00	4.88E-01	1.01E-02	1.89E+02	1.90E-02	1.89E+02	1.89E+01	1.82E-02	1.89E+01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	104	0	0.5	2.07E-02	2.25E+00	4.88E-01	1.01E-02	1.89E+02	1.90E-02	1.89E+02	1.89E+01	1.82E-02	1.89E+01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	7512	29	0.5	2.07E-02	2.25E+00	4.88E-01	1.01E-02	1.89E+02	1.90E-02	1.89E+02	1.89E+01	1.82E-02	1.89E+01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	0.5	2.07E-02	2.25E+00	4.88E-01	1.01E-02	1.89E+02	1.90E-02	1.89E+02	1.89E+01	1.82E-02	1.89E+01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	6260	24	0.5	2.07E-02	2.25E+00	4.88E-01	1.01E-02	1.89E+02	1.90E-02	1.89E+02	1.89E+01	1.82E-02	1.89E+01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	0	0	0.5	2.07E-02	2.25E+00	4.88E-01	1.01E-02	1.89E+02	1.90E-02	1.89E+02	1.89E+01	1.82E-02	1.89E+01	1.12E+03	8.05E-02	1.79E-01
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	5008	19	0.5	2.05E-02	2.22E+00	4.91E-01	9.92E-03	1.89E+02	1.89E-02	1.89E+02	1.89E+01	1.81E-02	1.89E+01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	0	0	0.5	2.05E-02	2.22E+00	4.91E-01	9.92E-03	1.89E+02	1.89E-02	1.89E+02	1.89E+01	1.81E-02	1.89E+01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	2635	10	0.5	2.05E-02	2.22E+00	4.91E-01	9.92E-03	1.89E+02	1.89E-02	1.89E+02	1.89E+01	1.81E-02	1.89E+01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	3442	13	0.5	2.05E-02	2.22E+00	4.91E-01	9.92E-03	1.89E+02	1.89E-02	1.89E+02	1.89E+01	1.81E-02	1.89E+01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	3442	13	0.5	2.05E-02	2.22E+00	4.91E-01	9.92E-03	1.89E+02	1.89E-02	1.89E+02	1.89E+01	1.81E-02	1.89E+01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	5848.5	22	0.5	2.05E-02	2.22E+00	4.91E-01	9.92E-03	1.89E+02	1.89E-02	1.89E+02	1.89E+01	1.81E-02	1.89E+01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	2191	8	0.5	2.05E-02	2.22E+00	4.91E-01	9.92E-03	1.89E+02	1.89E-02	1.89E+02	1.89E+01	1.81E-02	1.89E+01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	2556	10	0.5	2.05E-02	2.22E+00	4.91E-01	9.92E-03	1.89E+02	1.89E-02	1.89E+02	1.89E+01	1.81E-02	1.89E+01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	3756	14	0.5	2.05E-02	2.22E+00	4.91E-01	9.92E-03	1.89E+02	1.89E-02	1.89E+02	1.89E+01	1.81E-02	1.89E+01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	1408.5	5	0.5	2.05E-02	2.22E+00	4.91E-01	9.92E-03	1.89E+02	1.89E-02	1.89E+02	1.89E+01	1.81E-02	1.89E+01	1.10E+03	8.07E-02	1.76E-01

							Daily Emissions													
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	1705	7	0.5	1.55E-04	1.67E-02	3.43E-03	7.74E-05	1.37E+00	1.43E-04	1.37E+00	1.36E-01	1.37E-04	1.36E-01	8.59E+00	5.75E-04	1.37E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	26	0	0.5	2.36E-06	2.54E-04	5.23E-05	1.18E-06	2.08E-02	2.18E-06	2.08E-02	2.08E-03	2.09E-06	2.08E-03	1.31E-01	8.78E-06	2.09E-05
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	0.5	5.69E-04	6.12E-02	1.26E-02	2.84E-04	5.01E+00	5.25E-04	5.01E+00	5.00E-01	5.02E-04	5.01E-01	3.15E+01	2.11E-03	5.02E-03
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	7512	29	0.5	6.83E-04	7.34E-02	1.51E-02	3.41E-04	6.02E+00	6.30E-04	6.02E+00	6.01E-01	6.03E-04	6.01E-01	3.79E+01	2.54E-03	6.03E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	2191	8	0.5	1.99E-04	2.14E-02	4.41E-03	9.95E-05	1.75E+00	1.84E-04	1.75E+00	1.75E-01	1.76E-04	1.75E-01	1.10E+01	7.40E-04	1.76E-03
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	5008	19	0.5	4.55E-04	4.89E-02	1.01E-02	2.27E-04	4.01E+00	4.20E-04	4.01E+00	4.00E-01	4.02E-04	4.01E-01	2.52E+01	1.69E-03	4.02E-03
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	528	2	0.5	4.80E-05	5.16E-03	1.06E-03	2.40E-05	4.23E-01	4.43E-05	4.23E-01	4.22E-02	4.24E-05	4.23E-02	2.66E+00	1.78E-04	4.24E-04
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	624	2	0.5	5.67E-05	6.10E-03	1.26E-03	2.83E-05	5.00E-01	5.24E-05	5.00E-01	4.99E-02	5.01E-05	4.99E-02	3.14E+00	2.11E-04	5.01E-04
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	1705	7	0.5	1.52E-04	1.65E-02	3.47E-03	7.58E-05	1.37E+00	1.39E-04	1.37E+00	1.36E-01	1.33E-04	1.36E-01	8.42E+00	5.78E-04	1.34E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	52	0	0.5	4.65E-06	5.05E-04	1.06E-04	2.31E-06	4.16E-02	4.25E-06	4.16E-02	4.16E-03	4.06E-06	4.16E-03	2.57E-01	1.76E-05	4.09E-05
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	0.5	5.60E-04	6.07E-02	1.28E-02	2.78E-04	5.01E+00	5.11E-04	5.01E+00	5.00E-01	4.89E-04	5.01E-01	3.09E+01	2.12E-03	4.92E-03
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	0.5	6.72E-04	7.29E-02	1.53E-02	3.34E-04	6.02E+00	6.14E-04	6.02E+00	6.01E-01	5.87E-04	6.01E-01	3.71E+01	2.55E-03	5.91E-03
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	7512	29	0.5	6.72E-04	7.29E-02	1.53E-02	3.34E-04	6.02E+00	6.14E-04	6.02E+00	6.01E-01	5.87E-04	6.01E-01	3.71E+01	2.55E-03	5.91E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	0.5	4.48E-04	4.86E-02	1.02E-02	2.23E-04	4.01E+00	4.09E-04	4.01E+00	4.00E-01	3.91E-04	4.01E-01	2.47E+01	1.70E-03	3.94E-03
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	0.5	5.58E-05	6.05E-03	1.27E-03	2.77E-05	5.00E-01	5.10E-05	5.00E-01	4.99E-02	4.88E-05	4.99E-02	3.08E+00	2.11E-04	4.91E-04
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	0.5	4.72E-05	5.12E-03	1.08E-03	2.35E-05	4.23E-01	4.31E-05	4.23E-01	4.22E-02	4.13E-05	4.23E-02	2.61E+00	1.79E-04	4.15E-04
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	2945	11	0.5	2.60E-04	2.83E-02	6.05E-03	1.28E-04	2.36E+00	2.39E-04	2.36E+00	2.35E-01	2.29E-04	2.36E-01	1.43E+01	1.00E-03	2.27E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	26	0	0.5	2.30E-06	2.50E-04	5.34E-05	1.13E-06	2.08E-02	2.11E-06	2.08E-02	2.08E-03	2.02E-06	2.08E-03	1.26E-01	8.84E-06	2.01E-05
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	3442	13	0.5	3.04E-04	3.31E-02	7.07E-03	1.50E-04	2.76E+00	2.79E-04	2.76E+00	2.75E-01	2.67E-04	2.75E-01	1.67E+01	1.17E-03	2.66E-03
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	5848.5	22	0.5	5.17E-04	5.62E-02	1.20E-02	2.55E-04	4.68E+00	4.74E-04	4.68E+00	4.68E-01	4.54E-04	4.68E-01	2.83E+01	1.99E-03	4.51E-03
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	0.5	1.94E-04	2.10E-02	4.50E-03	9.55E-05	1.75E+00	1.78E-04	1.75E+00	1.75E-01	1.70E-04	1.75E-01	1.06E+01	7.45E-04	1.69E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	2556	10	0.5	2.26E-04	2.46E-02	5.25E-03	1.11E-04	2.05E+00	2.07E-04	2.05E+00	2.04E-01	1.98E-04	2.05E-01	1.24E+01	8.69E-04	1.97E-03
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	3756	14	0.5	3.32E-04	3.61E-02	7.72E-03	1.64E-04	3.01E+00	3.05E-04	3.01E+00	3.00E-01	2.92E-04	3.01E-01	1.82E+01	1.28E-03	2.90E-03
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	3130	12	0.5	2.77E-04	3.01E-02	6.43E-03	1.36E-04	2.51E+00	2.54E-04	2.51E+00	2.50E-01	2.43E-04	2.50E-01	1.52E+01	1.06E-03	2.42E-03
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	2816	11	0.5	2.49E-04	2.70E-02	5.78E-03	1.23E-04	2.26E+00	2.28E-04	2.26E+00	2.25E-01	2.19E-04	2.25E-01	1.36E+01	9.57E-04	2.17E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	264	1	0.5	2.33E-05	2.54E-03	5.42E-04	1.15E-05	2.11E-01	2.14E-05	2.11E-01	2.11E-02	2.05E-05	2.11E-02	1.28E+00	8.98E-05	2.04E-04
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	4185	16	0.5	3.66E-04	3.98E-02	8.66E-03	1.79E-04	3.35E+00	3.37E-04	3.35E+00	3.35E-01	3.23E-04	3.35E-01	1.99E+01	1.43E-03	3.18E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	624	2	0.5	5.46E-05	5.94E-03	1.29E-03	2.67E-05	5.00E-01	5.03E-05	5.00E-01	4.99E-02	4.81E-05	4.99E-02	2.97E+00	2.13E-04	4.73E-04
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	4185	16	0.5	3.66E-04	3.98E-02	8.66E-03	1.79E-04	3.35E+00	3.37E-04	3.35E+00	3.35E-01	3.23E-04	3.35E-01	1.99E+01	1.43E-03	3.18E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	2191	8	0.5	1.92E-04	2.09E-02	4.53E-03	9.38E-05	1.75E+00	1.77E-04	1.75E+00	1.75E-01	1.69E-04	1.75E-01	1.04E+01	7.47E-04	1.66E-03
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	104	0	0.5	9.11E-06	9.90E-04	2.15E-04	4.45E-06	8.33E-02	8.38E-06	8.33E-02	8.31E-03	8.02E-06	8.32E-03	4.95E-01	3.55E-05	7.89E-05
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	7512	29	0.5	6.58E-04	7.15E-02	1.55E-02	3.22E-04	6.02E+00	6.06E-04	6.02E+00	6.01E-01	5.79E-04	6.01E-01	3.58E+01	2.56E-03	5.70E-03
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	6260	24	0.5	5.48E-04	5.96E-02	1.29E-02	2.68E-04	5.01E+00	5.05E-04	5.01E+00	5.00E-01	4.83E-04	5.01E-01	2.98E+01	2.14E-03	4.75E-03
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	5008	19	0.5	4.34E-04	4.72E-02	1.04E-02	2.11E-04	4.01E+00	4.01E-04	4.01E+00	4.00E-01	3.83E-04	4.01E-01	2.34E+01	1.71E-03	3.74E-03
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	2635	10	0.5	2.29E-04	2.48E-02	5.48E-03	1.11E-04	2.11E+00	2.11E-04	2.11E+00	2.11E-01	2.02E-04	2.11E-01	1.23E+01	9.01E-04	1.97E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	3442	13	0.5	2.99E-04	3.25E-02	7.16E-03	1.45E-04	2.76E+00	2.75E-04	2.76E+00	2.75E-01	2.64E-04	2.75E-01	1.61E+01	1.18E-03	2.57E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	3442	13	0.5	2.99E-04	3.25E-02	7.16E-03	1.45E-04	2.76E+00	2.75E-04	2.76E+00	2.75E-01	2.64E-04	2.75E-01	1.61E+01	1.18E-03	2.57E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	5848.5	22	0.5	5.07E-04	5.51E-02	1.22E-02	2.46E-04	4.68E+00	4.68E-04	4.68E+00	4.68E-01	4.48E-04	4.68E-01	2.74E+01	2.00E-03	4.36E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	2191	8	0.5	1.90E-04	2.07E-02	4.56E-03	9.22E-05	1.75E+00	1.75E-04	1.75E+00	1.75E-01	1.68E-04	1.75E-01	1.03E+01	7.49E-04	1.64E-03
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	2556	10	0.5	2.22E-04	2.41E-02	5.32E-03	1.08E-04	2.05E+00	2.05E-04	2.05E+00	2.04E-01	1.96E-04	2.05E-01	1.20E+01	8.74E-04	1.91E-03
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	3756	14	0.5	3.26E-04	3.54E-02	7.81E-03	1.58E-04	3.01E+00	3.01E-04	3.01E+00	3.00E-01	2.88E-04	3.01E-01	1.76E+01	1.28E-03	2.80E-03
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	1408.5	5	0.5	1.22E-04	1.33E-02	2.93E-03	5.93E-05	1.13E+00	1.13E-04	1.13E+00	1.13E-01	1.08E-04	1.13E-01	6.59E+00	4.82E-04	1.05E-03

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
								MT/yr			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	1705	7	0.5	260	1.01E+00	6.79E-05	1.61E-04	1.06E+00
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	26	0	0.5	260	1.55E-02	1.03E-06	2.46E-06	1.62E-02
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	0.5	260	3.72E+00	2.49E-04	5.92E-04	3.90E+00
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	7512	29	0.5	260	4.46E+00	2.99E-04	7.11E-04	4.68E+00
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	2191	8	0.5	260	1.30E+00	8.72E-05	2.07E-04	1.37E+00
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	5008	19	0.5	260	2.98E+00	1.99E-04	4.74E-04	3.12E+00
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	528	2	0.5	260	3.14E-01	2.10E-05	5.00E-05	3.29E-01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	624	2	0.5	260	3.71E-01	2.48E-05	5.91E-05	3.89E-01
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	1705	7	0.5	260	9.93E-01	6.81E-05	1.58E-04	1.04E+00
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	52	0	0.5	260	3.03E-02	2.08E-06	4.82E-06	3.18E-02
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	0.5	260	3.64E+00	2.50E-04	5.81E-04	3.82E+00
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	0.5	260	4.37E+00	3.00E-04	6.97E-04	4.59E+00
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	7512	29	0.5	260	4.37E+00	3.00E-04	6.97E-04	4.59E+00
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	0.5	260	2.92E+00	2.00E-04	4.64E-04	3.06E+00
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	0.5	260	3.63E-01	2.49E-05	5.79E-05	3.81E-01
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	0.5	260	3.07E-01	2.11E-05	4.90E-05	3.23E-01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	2945	11	0.5	260	1.68E+00	1.18E-04	2.68E-04	1.77E+00
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	26	0	0.5	260	1.49E-02	1.04E-06	2.37E-06	1.56E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	3442	13	0.5	260	1.97E+00	1.38E-04	3.13E-04	2.06E+00
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	5848.5	22	0.5	260	3.34E+00	2.35E-04	5.32E-04	3.51E+00
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	0.5	260	1.25E+00	8.79E-05	1.99E-04	1.31E+00
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	2556	10	0.5	260	1.46E+00	1.02E-04	2.33E-04	1.53E+00
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	3756	14	0.5	260	2.15E+00	1.51E-04	3.42E-04	2.25E+00
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	3130	12	0.5	260	1.79E+00	1.26E-04	2.85E-04	1.88E+00
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	2816	11	0.5	260	1.61E+00	1.13E-04	2.56E-04	1.69E+00
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	264	1	0.5	260	1.51E-01	1.06E-05	2.40E-05	1.58E-01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	4185	16	0.5	260	2.35E+00	1.68E-04	3.74E-04	2.47E+00
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	624	2	0.5	260	3.50E-01	2.51E-05	5.58E-05	3.68E-01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	4185	16	0.5	260	2.35E+00	1.68E-04	3.74E-04	2.47E+00
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	2191	8	0.5	260	1.23E+00	8.81E-05	1.96E-04	1.29E+00
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	104	0	0.5	260	5.84E-02	4.18E-06	9.31E-06	6.13E-02
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	7512	29	0.5	260	4.22E+00	3.02E-04	6.72E-04	4.43E+00
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	6260	24	0.5	260	3.51E+00	2.52E-04	5.60E-04	3.69E+00
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	5008	19	0.5	260	2.77E+00	2.02E-04	4.41E-04	2.90E+00
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	2635	10	0.5	260	1.45E+00	1.06E-04	2.32E-04	1.53E+00
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	3442	13	0.5	260	1.90E+00	1.39E-04	3.03E-04	1.99E+00
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	3442	13	0.5	260	1.90E+00	1.39E-04	3.03E-04	1.99E+00
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	5848.5	22	0.5	260	3.23E+00	2.36E-04	5.15E-04	3.39E+00
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	2191	8	0.5	260	1.21E+00	8.84E-05	1.93E-04	1.27E+00
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	2556	10	0.5	260	1.41E+00	1.03E-04	2.25E-04	1.48E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	3756	14	0.5	260	2.07E+00	1.52E-04	3.31E-04	2.18E+00
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	1408.5	5	0.5	260	7.78E-01	5.68E-05	1.24E-04	8.16E-01

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Haul Idling Emission Factors ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission Factor (g/min)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	1705	7	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	26	0	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	0	0	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	7512	29	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	2191	8	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	5008	19	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	528	2	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	624	2	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	1705	7	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	52	0	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	7512	29	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	2945	11	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	26	0	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	3442	13	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	5848.5	22	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	2556	10	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	3756	14	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	3130	12	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	2816	11	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	264	1	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	4185	16	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	0	0	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	624	2	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	4185	16	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	2191	8	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	104	0	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	7512	29	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	6260	24	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	0	0	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	5008	19	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	0	0	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	2635	10	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	3442	13	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	3442	13	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	5848.5	22	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	2191	8	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	2556	10	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	3756	14	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	1408.5	5	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02

							Daily Emissions													
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	1705	7	15	4.04E-03	5.14E-02	6.29E-02	8.24E-05	0.00E+00	2.17E-05	2.17E-05	0.00E+00	2.08E-05	2.08E-05	9.15E+00	3.74E-04	4.79E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	26	0	15	6.16E-05	7.84E-04	9.59E-04	1.26E-06	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.17E-07	3.17E-07	1.40E-01	5.71E-06	7.30E-05
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	15	1.48E-02	1.89E-01	2.31E-01	3.03E-04	0.00E+00	7.97E-05	7.97E-05	0.00E+00	7.63E-05	7.63E-05	3.36E+01	1.37E-03	1.76E-02
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	7512	29	15	1.78E-02	2.26E-01	2.77E-01	3.63E-04	0.00E+00	9.57E-05	9.57E-05	0.00E+00	9.16E-05	9.16E-05	4.03E+01	1.65E-03	2.11E-02
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	2191	8	15	5.19E-03	6.60E-02	8.08E-02	1.06E-04	0.00E+00	2.79E-05	2.79E-05	0.00E+00	2.67E-05	2.67E-05	1.18E+01	4.81E-04	6.15E-03
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	5008	19	15	1.19E-02	1.51E-01	1.85E-01	2.42E-04	0.00E+00	6.38E-05	6.38E-05	0.00E+00	6.10E-05	6.10E-05	2.69E+01	1.10E-03	1.41E-02
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	528	2	15	1.25E-03	1.59E-02	1.95E-02	2.55E-05	0.00E+00	6.73E-06	6.73E-06	0.00E+00	6.44E-06	6.44E-06	2.83E+00	1.16E-04	1.48E-03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	624	2	15	1.48E-03	1.88E-02	2.30E-02	3.02E-05	0.00E+00	7.95E-06	7.95E-06	0.00E+00	7.61E-06	7.61E-06	3.35E+00	1.37E-04	1.75E-03
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	1705	7	15	4.04E-03	5.13E-02	6.29E-02	8.09E-05	0.00E+00	2.12E-05	2.12E-05	0.00E+00	2.03E-05	2.03E-05	9.00E+00	3.78E-04	4.79E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	52	0	15	1.23E-04	1.56E-03	1.92E-03	2.47E-06	0.00E+00	6.48E-07	6.48E-07	0.00E+00	6.20E-07	6.20E-07	2.74E-01	1.15E-05	1.46E-04
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	15	1.48E-02	1.88E-01	2.31E-01	2.97E-04	0.00E+00	7.80E-05	7.80E-05	0.00E+00	7.46E-05	7.46E-05	3.30E+01	1.39E-03	1.76E-02
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	15	1.78E-02	2.26E-01	2.77E-01	3.56E-04	0.00E+00	9.36E-05	9.36E-05	0.00E+00	8.95E-05	8.95E-05	3.96E+01	1.67E-03	2.11E-02
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	7512	29	15	1.78E-02	2.26E-01	2.77E-01	3.56E-04	0.00E+00	9.36E-05	9.36E-05	0.00E+00	8.95E-05	8.95E-05	3.96E+01	1.67E-03	2.11E-02
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	15	1.19E-02	1.51E-01	1.85E-01	2.38E-04	0.00E+00	6.24E-05	6.24E-05	0.00E+00	5.97E-05	5.97E-05	2.64E+01	1.11E-03	1.41E-02
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	15	1.48E-03	1.88E-02	2.30E-02	2.96E-05	0.00E+00	7.77E-06	7.77E-06	0.00E+00	7.44E-06	7.44E-06	3.29E+00	1.38E-04	1.75E-03
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	15	1.25E-03	1.59E-02	1.95E-02	2.50E-05	0.00E+00	6.58E-06	6.58E-06	0.00E+00	6.29E-06	6.29E-06	2.79E+00	1.17E-04	1.48E-03
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	2945	11	15	6.96E-03	8.85E-02	1.09E-01	1.37E-04	0.00E+00	3.61E-05	3.61E-05	0.00E+00	3.45E-05	3.45E-05	1.53E+01	6.60E-04	8.26E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	26	0	15	6.15E-05	7.81E-04	9.60E-04	1.21E-06	0.00E+00	3.19E-07	3.19E-07	0.00E+00	3.05E-07	3.05E-07	1.35E-01	5.82E-06	7.30E-05
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	3442	13	15	8.14E-03	1.03E-01	1.27E-01	1.60E-04	0.00E+00	4.22E-05	4.22E-05	0.00E+00	4.03E-05	4.03E-05	1.79E+01	7.71E-04	9.66E-03
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	5848.5	22	15	1.38E-02	1.76E-01	2.16E-01	2.72E-04	0.00E+00	7.16E-05	7.16E-05	0.00E+00	6.85E-05	6.85E-05	3.04E+01	1.31E-03	1.64E-02
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	15	5.18E-03	6.58E-02	8.09E-02	1.02E-04	0.00E+00	2.68E-05	2.68E-05	0.00E+00	2.57E-05	2.57E-05	1.14E+01	4.91E-04	6.15E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	2556	10	15	6.04E-03	7.68E-02	9.44E-02	1.19E-04	0.00E+00	3.13E-05	3.13E-05	0.00E+00	3.00E-05	3.00E-05	1.33E+01	5.72E-04	7.17E-03
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	3756	14	15	8.88E-03	1.13E-01	1.39E-01	1.75E-04	0.00E+00	4.60E-05	4.60E-05	0.00E+00	4.40E-05	4.40E-05	1.95E+01	8.41E-04	1.05E-02
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	3130	12	15	7.40E-03	9.40E-02	1.16E-01	1.46E-04	0.00E+00	3.83E-05	3.83E-05	0.00E+00	3.67E-05	3.67E-05	1.62E+01	7.01E-04	8.78E-03
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	2816	11	15	6.66E-03	8.46E-02	1.04E-01	1.31E-04	0.00E+00	3.45E-05	3.45E-05	0.00E+00	3.30E-05	3.30E-05	1.46E+01	6.31E-04	7.90E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	264	1	15	6.24E-04	7.93E-03	9.75E-03	1.23E-05	0.00E+00	3.23E-06	3.23E-06	0.00E+00	3.09E-06	3.09E-06	1.37E+00	5.91E-05	7.41E-04
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	4185	16	15	9.88E-03	1.26E-01	1.55E-01	1.92E-04	0.00E+00	5.05E-05	5.05E-05	0.00E+00	4.83E-05	4.83E-05	2.14E+01	9.46E-04	1.17E-02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	624	2	15	1.47E-03	1.87E-02	2.30E-02	2.86E-05	0.00E+00	7.53E-06	7.53E-06	0.00E+00	7.21E-06	7.21E-06	3.19E+00	1.41E-04	1.75E-03
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	4185	16	15	9.88E-03	1.26E-01	1.55E-01	1.92E-04	0.00E+00	5.05E-05	5.05E-05	0.00E+00	4.83E-05	4.83E-05	2.14E+01	9.46E-04	1.17E-02
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	2191	8	15	5.17E-03	6.57E-02	8.09E-02	1.00E-04	0.00E+00	2.64E-05	2.64E-05	0.00E+00	2.53E-05	2.53E-05	1.12E+01	4.95E-04	6.15E-03
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	104	0	15	2.46E-04	3.12E-03	3.84E-03	4.76E-06	0.00E+00	1.26E-06	1.26E-06	0.00E+00	1.20E-06	1.20E-06	5.32E-01	2.35E-05	2.92E-04
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	7512	29	15	1.77E-02	2.25E-01	2.77E-01	3.44E-04	0.00E+00	9.07E-05	9.07E-05	0.00E+00	8.68E-05	8.68E-05	3.84E+01	1.70E-03	2.11E-02
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	6260	24	15	1.48E-02	1.88E-01	2.31E-01	2.87E-04	0.00E+00	7.56E-05	7.56E-05	0.00E+00	7.23E-05	7.23E-05	3.20E+01	1.42E-03	1.76E-02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	5008	19	15	1.18E-02	1.50E-01	1.85E-01	2.26E-04	0.00E+00	5.95E-05	5.95E-05	0.00E+00	5.69E-05	5.69E-05	2.52E+01	1.14E-03	1.40E-02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	2635	10	15	6.21E-03	7.90E-02	9.74E-02	1.19E-04	0.00E+00	3.13E-05	3.13E-05	0.00E+00	2.99E-05	2.99E-05	1.33E+01	6.01E-04	7.39E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	3442	13	15	8.12E-03	1.03E-01	1.27E-01	1.55E-04	0.00E+00	4.09E-05	4.09E-05	0.00E+00	3.91E-05	3.91E-05	1.73E+01	7.85E-04	9.65E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	3442	13	15	8.12E-03	1.03E-01	1.27E-01	1.55E-04	0.00E+00	4.09E-05	4.09E-05	0.00E+00	3.91E-05	3.91E-05	1.73E+01	7.85E-04	9.65E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	5848.5	22	15	1.38E-02	1.75E-01	2.16E-01	2.64E-04	0.00E+00	6.95E-05	6.95E-05	0.00E+00	6.65E-05	6.65E-05	2.95E+01	1.33E-03	1.64E-02
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	2191	8	15	5.17E-03	6.56E-02	8.10E-02	9.88E-05	0.00E+00	2.60E-05	2.60E-05	0.00E+00	2.49E-05	2.49E-05	1.10E+01	5.00E-04	6.14E-03
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	2556	10	15	6.03E-03	7.66E-02	9.45E-02	1.15E-04	0.00E+00	3.04E-05	3.04E-05	0.00E+00	2.90E-05	2.90E-05	1.29E+01	5.83E-04	7.17E-03
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	3756	14	15	8.86E-03	1.13E-01	1.39E-01	1.69E-04	0.00E+00	4.46E-05	4.46E-05	0.00E+00	4.27E-05	4.27E-05	1.89E+01	8.57E-04	1.05E-02
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	1408.5	5	15	3.32E-03	4.22E-02	5.20E-02	6.35E-05	0.00E+00	1.67E-05	1.67E-05	0.00E+00	1.60E-05	1.60E-05	7.10E+00	3.21E-04	3.95E-03

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
								MT/yr			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	1705	7	15	260	1.08E+00	4.42E-05	5.65E-04	1.25E+00
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	26	0	15	260	1.65E-02	6.73E-07	8.61E-06	1.90E-02
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	15	260	3.96E+00	1.62E-04	2.07E-03	4.58E+00
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	7512	29	15	260	4.76E+00	1.95E-04	2.49E-03	5.50E+00
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	2191	8	15	260	1.39E+00	5.67E-05	7.26E-04	1.60E+00
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	5008	19	15	260	3.17E+00	1.30E-04	1.66E-03	3.67E+00
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	528	2	15	260	3.34E-01	1.37E-05	1.75E-04	3.87E-01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	624	2	15	260	3.95E-01	1.62E-05	2.07E-04	4.57E-01
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	1705	7	15	260	1.06E+00	4.46E-05	5.65E-04	1.23E+00
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	52	0	15	260	3.24E-02	1.36E-06	1.72E-05	3.75E-02
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	15	260	3.90E+00	1.64E-04	2.07E-03	4.52E+00
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	15	260	4.67E+00	1.96E-04	2.49E-03	5.42E+00
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	7512	29	15	260	4.67E+00	1.96E-04	2.49E-03	5.42E+00
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	15	260	3.12E+00	1.31E-04	1.66E-03	3.61E+00
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	15	260	3.88E-01	1.63E-05	2.07E-04	4.50E-01
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	15	260	3.29E-01	1.38E-05	1.75E-04	3.81E-01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	2945	11	15	260	1.80E+00	7.78E-05	9.75E-04	2.09E+00
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	26	0	15	260	1.59E-02	6.87E-07	8.60E-06	1.85E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	3442	13	15	260	2.11E+00	9.09E-05	1.14E-03	2.45E+00
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	5848.5	22	15	260	3.58E+00	1.54E-04	1.94E-03	4.16E+00
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	15	260	1.34E+00	5.79E-05	7.25E-04	1.56E+00
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	2556	10	15	260	1.56E+00	6.75E-05	8.46E-04	1.82E+00
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	3756	14	15	260	2.30E+00	9.92E-05	1.24E-03	2.67E+00
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	3130	12	15	260	1.92E+00	8.27E-05	1.04E-03	2.23E+00
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	2816	11	15	260	1.72E+00	7.44E-05	9.32E-04	2.00E+00
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	264	1	15	260	1.62E-01	6.97E-06	8.74E-05	1.88E-01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	4185	16	15	260	2.52E+00	1.12E-04	1.38E-03	2.94E+00
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	624	2	15	260	3.76E-01	1.66E-05	2.06E-04	4.38E-01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	4185	16	15	260	2.52E+00	1.12E-04	1.38E-03	2.94E+00
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	2191	8	15	260	1.32E+00	5.84E-05	7.25E-04	1.54E+00
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	104	0	15	260	6.27E-02	2.77E-06	3.44E-05	7.30E-02
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	7512	29	15	260	4.53E+00	2.00E-04	2.49E-03	5.27E+00
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	6260	24	15	260	3.77E+00	1.67E-04	2.07E-03	4.39E+00
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	5008	19	15	260	2.98E+00	1.35E-04	1.66E-03	3.47E+00
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	2635	10	15	260	1.57E+00	7.09E-05	8.71E-04	1.83E+00
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	3442	13	15	260	2.05E+00	9.26E-05	1.14E-03	2.39E+00
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	3442	13	15	260	2.05E+00	9.26E-05	1.14E-03	2.39E+00
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	5848.5	22	15	260	3.48E+00	1.57E-04	1.93E-03	4.06E+00
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	2191	8	15	260	1.30E+00	5.89E-05	7.25E-04	1.52E+00
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	2556	10	15	260	1.52E+00	6.87E-05	8.45E-04	1.77E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	3756	14	15	260	2.23E+00	1.01E-04	1.24E-03	2.60E+00
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	1408.5	5	15	260	8.37E-01	3.79E-05	4.66E-04	9.77E-01

Haul Starting Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission Factor (g/min)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	1705	7	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	26	0	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	0	0	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	7512	29	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	2191	8	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	5008	19	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	528	2	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	624	2	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	1705	7	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	52	0	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	7512	29	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	2945	11	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	26	0	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	3442	13	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	5848.5	22	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	2556	10	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	3756	14	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	3130	12	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	2816	11	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	264	1	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	4185	16	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	0	0	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	624	2	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	4185	16	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	2191	8	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	104	0	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	7512	29	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	6260	24	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	0	0	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	5008	19	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	0	0	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	2635	10	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	3442	13	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	3442	13	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	5848.5	22	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	2191	8	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	2556	10	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	3756	14	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	1408.5	5	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06

							Daily Emissions													
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	1705	7	15	2.70E-06	1.72E-02	4.35E-05	3.62E-09	0.00E+00	3.84E-09	3.84E-09	0.00E+00	3.53E-09	3.53E-09	3.66E-04	2.65E-09	2.60E-08
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	26	0	15	4.12E-08	2.63E-04	6.63E-07	5.52E-11	0.00E+00	5.85E-11	5.85E-11	0.00E+00	5.38E-11	5.38E-11	5.58E-06	4.04E-11	3.97E-10
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	15	9.93E-06	6.33E-02	1.60E-04	1.33E-08	0.00E+00	1.41E-08	1.41E-08	0.00E+00	1.29E-08	1.29E-08	1.34E-03	9.73E-09	9.56E-08
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	7512	29	15	1.19E-05	7.60E-02	1.92E-04	1.60E-08	0.00E+00	1.69E-08	1.69E-08	0.00E+00	1.55E-08	1.55E-08	1.61E-03	1.17E-08	1.15E-07
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	2191	8	15	3.48E-06	2.22E-02	5.59E-05	4.65E-09	0.00E+00	4.93E-09	4.93E-09	0.00E+00	4.53E-09	4.53E-09	4.70E-04	3.40E-09	3.35E-08
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	5008	19	15	7.94E-06	5.07E-02	1.28E-04	1.06E-08	0.00E+00	1.13E-08	1.13E-08	0.00E+00	1.04E-08	1.04E-08	1.07E-03	7.78E-09	7.65E-08
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	528	2	15	8.38E-07	5.34E-03	1.35E-05	1.12E-09	0.00E+00	1.19E-09	1.19E-09	0.00E+00	1.09E-09	1.09E-09	1.13E-04	8.20E-10	8.06E-09
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	624	2	15	9.90E-07	6.31E-03	1.59E-05	1.33E-09	0.00E+00	1.40E-09	1.40E-09	0.00E+00	1.29E-09	1.29E-09	1.34E-04	9.70E-10	9.53E-09
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	1705	7	15	2.61E-06	1.72E-02	4.47E-05	3.67E-09	0.00E+00	3.88E-09	3.88E-09	0.00E+00	3.57E-09	3.57E-09	3.71E-04	2.59E-09	1.83E-08
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	52	0	15	7.97E-08	5.26E-04	1.36E-06	1.12E-10	0.00E+00	1.18E-10	1.18E-10	0.00E+00	1.09E-10	1.09E-10	1.13E-05	7.91E-11	5.58E-10
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	15	9.60E-06	6.33E-02	1.64E-04	1.35E-08	0.00E+00	1.43E-08	1.43E-08	0.00E+00	1.31E-08	1.31E-08	1.36E-03	9.52E-09	6.71E-08
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	15	1.15E-05	7.60E-02	1.97E-04	1.62E-08	0.00E+00	1.71E-08	1.71E-08	0.00E+00	1.57E-08	1.57E-08	1.63E-03	1.14E-08	8.06E-08
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	7512	29	15	1.15E-05	7.60E-02	1.97E-04	1.62E-08	0.00E+00	1.71E-08	1.71E-08	0.00E+00	1.57E-08	1.57E-08	1.63E-03	1.14E-08	8.06E-08
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	15	7.68E-06	5.07E-02	1.31E-04	1.08E-08	0.00E+00	1.14E-08	1.14E-08	0.00E+00	1.05E-08	1.05E-08	1.09E-03	7.62E-09	5.37E-08
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	15	9.56E-07	6.31E-03	1.64E-05	1.34E-09	0.00E+00	1.42E-09	1.42E-09	0.00E+00	1.31E-09	1.31E-09	1.36E-04	9.49E-10	6.69E-09
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	15	8.09E-07	5.34E-03	1.39E-05	1.14E-09	0.00E+00	1.20E-09	1.20E-09	0.00E+00	1.11E-09	1.11E-09	1.15E-04	8.03E-10	5.66E-09
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	2945	11	15	4.59E-06	2.98E-02	8.00E-05	6.46E-09	0.00E+00	7.01E-09	7.01E-09	0.00E+00	6.45E-09	6.45E-09	6.53E-04	4.49E-09	3.09E-08
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	26	0	15	4.06E-08	2.63E-04	7.06E-07	5.71E-11	0.00E+00	6.19E-11	6.19E-11	0.00E+00	5.69E-11	5.69E-11	5.77E-06	3.96E-11	2.73E-10
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	3442	13	15	5.37E-06	3.48E-02	9.35E-05	7.55E-09	0.00E+00	8.20E-09	8.20E-09	0.00E+00	7.54E-09	7.54E-09	7.63E-04	5.25E-09	3.62E-08
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	5848.5	22	15	9.12E-06	5.91E-02	1.59E-04	1.28E-08	0.00E+00	1.39E-08	1.39E-08	0.00E+00	1.28E-08	1.28E-08	1.30E-03	8.92E-09	6.14E-08
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	15	3.42E-06	2.22E-02	5.95E-05	4.81E-09	0.00E+00	5.22E-09	5.22E-09	0.00E+00	4.80E-09	4.80E-09	4.86E-04	3.34E-09	2.30E-08
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	2556	10	15	3.99E-06	2.58E-02	6.94E-05	5.61E-09	0.00E+00	6.09E-09	6.09E-09	0.00E+00	5.60E-09	5.60E-09	5.67E-04	3.90E-09	2.69E-08
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	3756	14	15	5.86E-06	3.80E-02	1.02E-04	8.24E-09	0.00E+00	8.95E-09	8.95E-09	0.00E+00	8.23E-09	8.23E-09	8.33E-04	5.73E-09	3.95E-08
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	3130	12	15	4.88E-06	3.16E-02	8.50E-05	6.87E-09	0.00E+00	7.45E-09	7.45E-09	0.00E+00	6.85E-09	6.85E-09	6.94E-04	4.77E-09	3.29E-08
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	2816	11	15	4.39E-06	2.85E-02	7.65E-05	6.18E-09	0.00E+00	6.71E-09	6.71E-09	0.00E+00	6.17E-09	6.17E-09	6.25E-04	4.29E-09	2.96E-08
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	264	1	15	4.12E-07	2.67E-03	7.17E-06	5.79E-10	0.00E+00	6.29E-10	6.29E-10	0.00E+00	5.78E-10	5.78E-10	5.85E-05	4.03E-10	2.77E-09
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	4185	16	15	6.71E-06	4.23E-02	1.17E-04	9.36E-09	0.00E+00	1.04E-08	1.04E-08	0.00E+00	9.56E-09	9.56E-09	9.46E-04	6.42E-09	3.52E-08
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	624	2	15	1.00E-06	6.31E-03	1.75E-05	1.40E-09	0.00E+00	1.55E-09	1.55E-09	0.00E+00	1.42E-09	1.42E-09	1.41E-04	9.58E-10	5.24E-09
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	4185	16	15	6.71E-06	4.23E-02	1.17E-04	9.36E-09	0.00E+00	1.04E-08	1.04E-08	0.00E+00	9.56E-09	9.56E-09	9.46E-04	6.42E-09	3.52E-08
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	2191	8	15	3.51E-06	2.22E-02	6.15E-05	4.90E-09	0.00E+00	5.44E-09	5.44E-09	0.00E+00	5.00E-09	5.00E-09	4.95E-04	3.36E-09	1.84E-08
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	104	0	15	1.67E-07	1.05E-03	2.92E-06	2.33E-10	0.00E+00	2.58E-10	2.58E-10	0.00E+00	2.37E-10	2.37E-10	2.35E-05	1.60E-10	8.74E-10
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	7512	29	15	1.20E-05	7.60E-02	2.11E-04	1.68E-08	0.00E+00	1.87E-08	1.87E-08	0.00E+00	1.72E-08	1.72E-08	1.70E-03	1.15E-08	6.31E-08
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	6260	24	15	1.00E-05	6.33E-02	1.76E-04	1.40E-08	0.00E+00	1.55E-08	1.55E-08	0.00E+00	1.43E-08	1.43E-08	1.42E-03	9.61E-09	5.26E-08
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	5008	19	15	8.26E-06	5.06E-02	1.45E-04	1.14E-08	0.00E+00	1.29E-08	1.29E-08	0.00E+00	1.18E-08	1.18E-08	1.15E-03	7.68E-09	2.91E-08
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	2635	10	15	4.35E-06	2.66E-02	7.60E-05	5.99E-09	0.00E+00	6.78E-09	6.78E-09	0.00E+00	6.23E-09	6.23E-09	6.05E-04	4.04E-09	1.53E-08
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	3442	13	15	5.68E-06	3.48E-02	9.93E-05	7.82E-09	0.00E+00	8.85E-09	8.85E-09	0.00E+00	8.14E-09	8.14E-09	7.90E-04	5.28E-09	2.00E-08
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	3442	13	15	5.68E-06	3.48E-02	9.93E-05	7.82E-09	0.00E+00	8.85E-09	8.85E-09	0.00E+00	8.14E-09	8.14E-09	7.90E-04	5.28E-09	2.00E-08
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	5848.5	22	15	9.65E-06	5.91E-02	1.69E-04	1.33E-08	0.00E+00	1.50E-08	1.50E-08	0.00E+00	1.38E-08	1.38E-08	1.34E-03	8.97E-09	3.39E-08
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	2191	8	15	3.62E-06	2.22E-02	6.32E-05	4.98E-09	0.00E+00	5.64E-09	5.64E-09	0.00E+00	5.18E-09	5.18E-09	5.03E-04	3.36E-09	1.27E-08
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	2556	10	15	4.22E-06	2.58E-02	7.38E-05	5.81E-09	0.00E+00	6.57E-09	6.57E-09	0.00E+00	6.04E-09	6.04E-09	5.87E-04	3.92E-09	1.48E-08
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	3756	14	15	6.20E-06	3.80E-02	1.08E-04	8.53E-09	0.00E+00	9.66E-09	9.66E-09	0.00E+00	8.88E-09	8.88E-09	8.62E-04	5.76E-09	2.18E-08
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	1408.5	5	15	2.32E-06	1.42E-02	4.06E-05	3.20E-09	0.00E+00	3.62E-09	3.62E-09	0.00E+00	3.33E-09	3.33E-09	3.23E-04	2.16E-09	8.17E-09

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
								MT/yr			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	1705	7	15	260	4.32E-05	3.12E-10	3.07E-09	4.41E-05
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	26	0	15	260	6.58E-07	4.76E-12	4.68E-11	6.72E-07
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	15	260	1.58E-04	1.15E-09	1.13E-08	1.62E-04
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	7512	29	15	260	1.90E-04	1.38E-09	1.35E-08	1.94E-04
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	2191	8	15	260	5.55E-05	4.01E-10	3.94E-09	5.66E-05
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	5008	19	15	260	1.27E-04	9.18E-10	9.02E-09	1.29E-04
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	528	2	15	260	1.34E-05	9.67E-11	9.51E-10	1.36E-05
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	624	2	15	260	1.58E-05	1.14E-10	1.12E-09	1.61E-05
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	1705	7	15	260	4.37E-05	3.06E-10	2.16E-09	4.44E-05
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	52	0	15	260	1.33E-06	9.33E-12	6.58E-11	1.35E-06
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	15	260	1.61E-04	1.12E-09	7.92E-09	1.63E-04
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	15	260	1.93E-04	1.35E-09	9.50E-09	1.96E-04
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	7512	29	15	260	1.93E-04	1.35E-09	9.50E-09	1.96E-04
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	15	260	1.28E-04	8.98E-10	6.34E-09	1.30E-04
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	15	260	1.60E-05	1.12E-10	7.89E-10	1.62E-05
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	15	260	1.35E-05	9.47E-11	6.68E-10	1.37E-05
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	2945	11	15	260	7.70E-05	5.30E-10	3.65E-09	7.81E-05
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	26	0	15	260	6.80E-07	4.68E-12	3.22E-11	6.90E-07
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	3442	13	15	260	9.00E-05	6.19E-10	4.26E-09	9.13E-05
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	5848.5	22	15	260	1.53E-04	1.05E-09	7.25E-09	1.55E-04
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	15	260	5.73E-05	3.94E-10	2.71E-09	5.81E-05
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	2556	10	15	260	6.69E-05	4.60E-10	3.17E-09	6.78E-05
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	3756	14	15	260	9.82E-05	6.75E-10	4.65E-09	9.96E-05
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	3130	12	15	260	8.19E-05	5.63E-10	3.88E-09	8.30E-05
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	2816	11	15	260	7.37E-05	5.06E-10	3.49E-09	7.47E-05
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	264	1	15	260	6.90E-06	4.75E-11	3.27E-10	7.00E-06
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	4185	16	15	260	1.12E-04	7.58E-10	4.15E-09	1.13E-04
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	624	2	15	260	1.66E-05	1.13E-10	6.18E-10	1.68E-05
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	4185	16	15	260	1.12E-04	7.58E-10	4.15E-09	1.13E-04
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	2191	8	15	260	5.84E-05	3.97E-10	2.17E-09	5.91E-05
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	104	0	15	260	2.77E-06	1.88E-11	1.03E-10	2.80E-06
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	7512	29	15	260	2.00E-04	1.36E-09	7.44E-09	2.03E-04
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	6260	24	15	260	1.67E-04	1.13E-09	6.20E-09	1.69E-04
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	5008	19	15	260	1.36E-04	9.06E-10	3.43E-09	1.37E-04
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	2635	10	15	260	7.13E-05	4.77E-10	1.80E-09	7.19E-05
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	3442	13	15	260	9.32E-05	6.23E-10	2.36E-09	9.39E-05
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	3442	13	15	260	9.32E-05	6.23E-10	2.36E-09	9.39E-05
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	5848.5	22	15	260	1.58E-04	1.06E-09	4.00E-09	1.60E-04
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	2191	8	15	260	5.93E-05	3.96E-10	1.50E-09	5.98E-05
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	2556	10	15	260	6.92E-05	4.62E-10	1.75E-09	6.97E-05
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	3756	14	15	260	1.02E-04	6.80E-10	2.57E-09	1.02E-04
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	1408.5	5	15	260	3.81E-05	2.55E-10	9.64E-10	3.84E-05

OFFSITE Mobile Emissions		CO2	CH4	N2O	CO2e
PhaseName	CalEEMod Phase Name	MT/yr			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	188.31	0.01	0.02	193.91
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	37.34	0.00	0.00	38.10
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	416.40	0.02	0.06	433.32
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	55.91	0.00	0.01	57.78
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	275.15	0.02	0.04	286.93
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	204.87	0.01	0.03	212.75
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	212.40	0.01	0.03	221.63
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	0.00	0.00	0.00	0.00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	62.66	0.00	0.01	64.83
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	94.65	0.00	0.01	97.42
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	60.94	0.00	0.01	63.12
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	184.75	0.01	0.02	190.24
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	37.41	0.00	0.00	38.19
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	408.39	0.02	0.05	424.99
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	269.64	0.02	0.04	281.19
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	269.64	0.02	0.04	281.19
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	208.20	0.01	0.03	217.25
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	61.52	0.00	0.01	63.65
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	54.88	0.00	0.01	56.72
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	0.00	0.00	0.00	0.00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	59.78	0.00	0.01	61.93
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	92.88	0.00	0.01	95.60
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	236.56	0.01	0.03	244.56
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	48.64	0.00	0.00	50.07
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	230.02	0.01	0.03	239.24
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	278.14	0.01	0.04	289.11
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	197.55	0.01	0.02	205.15
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	134.41	0.01	0.02	139.85
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	162.61	0.01	0.02	169.33
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	227.63	0.01	0.03	236.70
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	0.00	0.00	0.00	0.00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	131.61	0.01	0.02	137.11
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	72.64	0.00	0.01	74.88
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	286.90	0.01	0.03	297.34
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	59.60	0.00	0.01	61.67
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	57.83	0.00	0.01	59.91
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	286.90	0.01	0.03	297.34
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	194.44	0.01	0.02	201.92
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	63.39	0.00	0.01	65.35
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	260.23	0.02	0.04	271.39
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	0.00	0.00	0.00	0.00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	394.86	0.02	0.05	410.93
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	0.00	0.00	0.00	0.00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	197.88	0.01	0.03	206.50
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	52.42	0.00	0.01	54.18
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	217.60	0.01	0.02	224.79
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	222.92	0.01	0.03	231.86
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	222.92	0.01	0.03	231.86
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	269.31	0.01	0.03	279.94
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	191.55	0.01	0.02	198.93
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	130.19	0.01	0.02	135.46
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	157.41	0.01	0.02	163.91
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	69.55	0.00	0.01	72.13
	2030	1.61E+03	7.25E-02	1.99E-01	1.67E+03
	2031	1.65E+03	7.98E-02	2.08E-01	1.71E+03
	2032	1.72E+03	8.14E-02	2.15E-01	1.79E+03
	2033	1.60E+03	7.68E-02	2.01E-01	1.67E+03
	2034	1.73E+03	8.73E-02	2.20E-01	1.80E+03

					Worker Running Emission Factors												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission Factor (g/mile)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	10	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	25	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	15	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	10	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	25	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	10	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	12.5	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	37.5	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	17.5	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	25	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	12.5	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	17.5	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	50	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	10	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	10	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	50	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	25	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	15	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	25	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	40	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	15	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	10	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	50	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	25	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	25	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	37.5	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	25	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	15	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	17.5	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	12.5	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	25	1.85E-02	8.13E-02	1.53E+00	6.42E-03	9.50E-01	3.23E-03	9.53E-01	2.52E-01	2.97E-03	2.55E-01	6.49E+02	4.94E-03	1.04E-02
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	25	5.56E-03	2.44E-02	4.59E-01	1.93E-03	2.85E-01	9.70E-04	2.86E-01	7.55E-02	8.92E-04	7.64E-02	1.95E+02	1.48E-03	3.13E-03
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	25	1.48E-02	6.51E-02	1.23E+00	5.14E-03	7.60E-01	2.59E-03	7.62E-01	2.01E-01	2.38E-03	2.04E-01	5.19E+02	3.95E-03	8.35E-03
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	10	25	3.71E-03	1.63E-02	3.06E-01	1.28E-03	1.90E-01	6.46E-04	1.91E-01	5.03E-02	5.95E-04	5.09E-02	1.30E+02	9.88E-04	2.09E-03
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	25	9.27E-03	4.07E-02	7.66E-01	3.21E-03	4.75E-01	1.62E-03	4.76E-01	1.26E-01	1.49E-03	1.27E-01	3.24E+02	2.47E-03	5.22E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	25	25	9.27E-03	4.07E-02	7.66E-01	3.21E-03	4.75E-01	1.62E-03	4.76E-01	1.26E-01	1.49E-03	1.27E-01	3.24E+02	2.47E-03	5.22E-03
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	15	25	5.56E-03	2.44E-02	4.59E-01	1.93E-03	2.85E-01	9.70E-04	2.86E-01	7.55E-02	8.92E-04	7.64E-02	1.95E+02	1.48E-03	3.13E-03
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	10	25	3.71E-03	1.63E-02	3.06E-01	1.28E-03	1.90E-01	6.46E-04	1.91E-01	5.03E-02	5.95E-04	5.09E-02	1.30E+02	9.88E-04	2.09E-03
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	25	25	9.27E-03	4.07E-02	7.66E-01	3.21E-03	4.75E-01	1.62E-03	4.76E-01	1.26E-01	1.49E-03	1.27E-01	3.24E+02	2.47E-03	5.22E-03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	10	25	3.71E-03	1.63E-02	3.06E-01	1.28E-03	1.90E-01	6.46E-04	1.91E-01	5.03E-02	5.95E-04	5.09E-02	1.30E+02	9.88E-04	2.09E-03
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	25	1.67E-02	7.50E-02	1.47E+00	6.30E-03	9.50E-01	3.03E-03	9.53E-01	2.52E-01	2.79E-03	2.55E-01	6.37E+02	4.53E-03	1.01E-02
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	25	5.02E-03	2.25E-02	4.42E-01	1.89E-03	2.85E-01	9.10E-04	2.86E-01	7.55E-02	8.37E-04	7.64E-02	1.91E+02	1.36E-03	3.02E-03
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	25	1.34E-02	6.00E-02	1.18E+00	5.04E-03	7.60E-01	2.43E-03	7.62E-01	2.01E-01	2.23E-03	2.04E-01	5.10E+02	3.62E-03	8.06E-03
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	25	8.37E-03	3.75E-02	7.37E-01	3.15E-03	4.75E-01	1.52E-03	4.76E-01	1.26E-01	1.40E-03	1.27E-01	3.18E+02	2.27E-03	5.04E-03
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	25	8.37E-03	3.75E-02	7.37E-01	3.15E-03	4.75E-01	1.52E-03	4.76E-01	1.26E-01	1.40E-03	1.27E-01	3.18E+02	2.27E-03	5.04E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	25	5.02E-03	2.25E-02	4.42E-01	1.89E-03	2.85E-01	9.10E-04	2.86E-01	7.55E-02	8.37E-04	7.64E-02	1.91E+02	1.36E-03	3.02E-03
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	25	3.35E-03	1.50E-02	2.95E-01	1.26E-03	1.90E-01	6.07E-04	1.91E-01	5.03E-02	5.58E-04	5.09E-02	1.27E+02	9.06E-04	2.01E-03
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	25	3.35E-03	1.50E-02	2.95E-01	1.26E-03	1.90E-01	6.07E-04	1.91E-01	5.03E-02	5.58E-04	5.09E-02	1.27E+02	9.06E-04	2.01E-03
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	25	3.35E-03	1.50E-02	2.95E-01	1.26E-03	1.90E-01	6.07E-04	1.91E-01	5.03E-02	5.58E-04	5.09E-02	1.27E+02	9.06E-04	2.01E-03
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	25	8.37E-03	3.75E-02	7.37E-01	3.15E-03	4.75E-01	1.52E-03	4.76E-01	1.26E-01	1.40E-03	1.27E-01	3.18E+02	2.27E-03	5.04E-03
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	25	1.51E-02	6.98E-02	1.42E+00	6.19E-03	9.50E-01	2.84E-03	9.52E-01	2.52E-01	2.61E-03	2.54E-01	6.26E+02	4.16E-03	9.76E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	12.5	25	3.77E-03	1.74E-02	3.55E-01	1.55E-03	2.37E-01	7.10E-04	2.38E-01	6.29E-02	6.53E-04	6.36E-02	1.56E+02	1.04E-03	2.44E-03
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	25	7.55E-03	3.49E-02	7.10E-01	3.10E-03	4.75E-01	1.42E-03	4.76E-01	1.26E-01	1.31E-03	1.27E-01	3.13E+02	2.08E-03	4.88E-03
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	37.5	25	1.13E-02	5.23E-02	1.07E+00	4.64E-03	7.12E-01	2.13E-03	7.14E-01	1.89E-01	1.96E-03	1.91E-01	4.69E+02	3.12E-03	7.32E-03
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	25	7.55E-03	3.49E-02	7.10E-01	3.10E-03	4.75E-01	1.42E-03	4.76E-01	1.26E-01	1.31E-03	1.27E-01	3.13E+02	2.08E-03	4.88E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	25	4.53E-03	2.09E-02	4.26E-01	1.86E-03	2.85E-01	8.52E-04	2.86E-01	7.55E-02	7.84E-04	7.63E-02	1.88E+02	1.25E-03	2.93E-03
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	17.5	25	5.28E-03	2.44E-02	4.97E-01	2.17E-03	3.32E-01	9.94E-04	3.33E-01	8.81E-02	9.15E-04	8.90E-02	2.19E+02	1.45E-03	3.42E-03
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	25	25	7.55E-03	3.49E-02	7.10E-01	3.10E-03	4.75E-01	1.42E-03	4.76E-01	1.26E-01	1.31E-03	1.27E-01	3.13E+02	2.08E-03	4.88E-03
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	12.5	25	3.77E-03	1.74E-02	3.55E-01	1.55E-03	2.37E-01	7.10E-04	2.38E-01	6.29E-02	6.53E-04	6.36E-02	1.56E+02	1.04E-03	2.44E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	17.5	25	5.28E-03	2.44E-02	4.97E-01	2.17E-03	3.32E-01	9.94E-04	3.33E-01	8.81E-02	9.15E-04	8.90E-02	2.19E+02	1.45E-03	3.42E-03
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	50	25	1.37E-02	6.54E-02	1.37E+00	6.10E-03	9.50E-01	2.66E-03	9.52E-01	2.52E-01	2.45E-03	2.54E-01	6.16E+02	3.83E-03	9.50E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	10	25	2.74E-03	1.31E-02	2.75E-01	1.22E-03	1.90E-01	5.33E-04	1.90E-01	5.03E-02	4.90E-04	5.08E-02	1.23E+02	7.67E-04	1.90E-03
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	10	25	2.74E-03	1.31E-02	2.75E-01	1.22E-03	1.90E-01	5.33E-04	1.90E-01	5.03E-02	4.90E-04	5.08E-02	1.23E+02	7.67E-04	1.90E-03
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	50	25	1.37E-02	6.54E-02	1.37E+00	6.10E-03	9.50E-01	2.66E-03	9.52E-01	2.52E-01	2.45E-03	2.54E-01	6.16E+02	3.83E-03	9.50E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	25	25	6.84E-03	3.27E-02	6.87E-01	3.05E-03	4.75E-01	1.33E-03	4.76E-01	1.26E-01	1.23E-03	1.27E-01	3.08E+02	1.92E-03	4.75E-03
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	15	25	4.10E-03	1.96E-02	4.12E-01	1.83E-03	2.85E-01	7.99E-04	2.86E-01	7.55E-02	7.36E-04	7.63E-02	1.85E+02	1.15E-03	2.85E-03
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	25	25	6.84E-03	3.27E-02	6.87E-01	3.05E-03	4.75E-01	1.33E-03	4.76E-01	1.26E-01	1.23E-03	1.27E-01	3.08E+02	1.92E-03	4.75E-03
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	40	25	1.09E-02	5.23E-02	1.10E+00	4.88E-03	7.60E-01	2.13E-03	7.62E-01	2.01E-01	1.96E-03	2.03E-01	4.93E+02	3.07E-03	7.60E-03
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	15	25	3.72E-03	1.85E-02	4.00E-01	1.80E-03	2.85E-01	7.51E-04	2.86E-01	7.55E-02	6.91E-04	7.62E-02	1.82E+02	1.06E-03	2.79E-03
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	10	25	2.48E-03	1.24E-02	2.66E-01	1.20E-03	1.90E-01	5.01E-04	1.90E-01	5.03E-02	4.61E-04	5.08E-02	1.22E+02	7.08E-04	1.86E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	50	25	1.24E-02	6.18E-02	1.33E+00	6.01E-03	9.50E-01	2.50E-03	9.52E-01	2.52E-01	2.30E-03	2.54E-01	6.08E+02	3.54E-03	9.29E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	25	25	6.20E-03	3.09E-02	6.66E-01	3.01E-03	4.75E-01	1.25E-03	4.76E-01	1.26E-01	1.15E-03	1.27E-01	3.04E+02	1.77E-03	4.64E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	25	25	6.20E-03	3.09E-02	6.66E-01	3.01E-03	4.75E-01	1.25E-03	4.76E-01	1.26E-01	1.15E-03	1.27E-01	3.04E+02	1.77E-03	4.64E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	37.5	25	9.29E-03	4.63E-02	9.99E-01	4.51E-03	7.12E-01	1.88E-03	7.14E-01	1.89E-01	1.73E-03	1.91E-01	4.56E+02	2.66E-03	6.97E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	25	25	6.20E-03	3.09E-02	6.66E-01	3.01E-03	4.75E-01	1.25E-03	4.76E-01	1.26E-01	1.15E-03	1.27E-01	3.04E+02	1.77E-03	4.64E-03
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	15	25	3.72E-03	1.85E-02	4.00E-01	1.80E-03	2.85E-01	7.51E-04	2.86E-01	7.55E-02	6.91E-04	7.62E-02	1.82E+02	1.06E-03	2.79E-03
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	17.5	25	4.34E-03	2.16E-02	4.66E-01	2.10E-03	3.32E-01	8.76E-04	3.33E-01	8.81E-02	8.06E-04	8.89E-02	2.13E+02	1.24E-03	3.25E-03
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	12.5	25	3.10E-03	1.54E-02	3.33E-01	1.50E-03	2.37E-01	6.26E-04	2.38E-01	6.29E-02	5.76E-04	6.35E-02	1.52E+02	8.85E-04	2.32E-03

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
						MT/yr			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	25	260	7.65E+01	5.83E-04	1.23E-03	7.69E+01
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	25	260	2.30E+01	1.75E-04	3.69E-04	2.31E+01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	25	260	6.12E+01	4.66E-04	9.85E-04	6.15E+01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	10	25	260	1.53E+01	1.17E-04	2.46E-04	1.54E+01
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	25	260	3.83E+01	2.91E-04	6.16E-04	3.85E+01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	25	25	260	3.83E+01	2.91E-04	6.16E-04	3.85E+01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	15	25	260	2.30E+01	1.75E-04	3.69E-04	2.31E+01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	10	25	260	1.53E+01	1.17E-04	2.46E-04	1.54E+01
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	25	25	260	3.83E+01	2.91E-04	6.16E-04	3.85E+01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	10	25	260	1.53E+01	1.17E-04	2.46E-04	1.54E+01
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	25	260	7.51E+01	5.34E-04	1.19E-03	7.55E+01
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	25	260	2.25E+01	1.60E-04	3.56E-04	2.26E+01
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	25	260	6.01E+01	4.27E-04	9.50E-04	6.04E+01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	25	260	3.76E+01	2.67E-04	5.94E-04	3.77E+01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	25	260	3.76E+01	2.67E-04	5.94E-04	3.77E+01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	25	260	2.25E+01	1.60E-04	3.56E-04	2.26E+01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	25	260	1.50E+01	1.07E-04	2.38E-04	1.51E+01
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	25	260	1.50E+01	1.07E-04	2.38E-04	1.51E+01
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	25	260	1.50E+01	1.07E-04	2.38E-04	1.51E+01
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	25	260	3.76E+01	2.67E-04	5.94E-04	3.77E+01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	25	260	7.38E+01	4.90E-04	1.15E-03	7.42E+01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	12.5	25	260	1.85E+01	1.23E-04	2.88E-04	1.85E+01
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	25	260	3.69E+01	2.45E-04	5.76E-04	3.71E+01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	37.5	25	260	5.54E+01	3.68E-04	8.63E-04	5.56E+01
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	25	260	3.69E+01	2.45E-04	5.76E-04	3.71E+01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	25	260	2.21E+01	1.47E-04	3.45E-04	2.23E+01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	17.5	25	260	2.58E+01	1.72E-04	4.03E-04	2.60E+01
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	25	25	260	3.69E+01	2.45E-04	5.76E-04	3.71E+01
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	12.5	25	260	1.85E+01	1.23E-04	2.88E-04	1.85E+01
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	17.5	25	260	2.58E+01	1.72E-04	4.03E-04	2.60E+01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	50	25	260	7.27E+01	4.52E-04	1.12E-03	7.30E+01
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	10	25	260	1.45E+01	9.04E-05	2.24E-04	1.46E+01
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	10	25	260	1.45E+01	9.04E-05	2.24E-04	1.46E+01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	50	25	260	7.27E+01	4.52E-04	1.12E-03	7.30E+01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	25	25	260	3.63E+01	2.26E-04	5.60E-04	3.65E+01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	15	25	260	2.18E+01	1.36E-04	3.36E-04	2.19E+01
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	25	25	260	3.63E+01	2.26E-04	5.60E-04	3.65E+01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	40	25	260	5.81E+01	3.62E-04	8.97E-04	5.84E+01
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	15	25	260	2.15E+01	1.25E-04	3.29E-04	2.16E+01
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	10	25	260	1.43E+01	8.35E-05	2.19E-04	1.44E+01
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	50	25	260	7.17E+01	4.18E-04	1.10E-03	7.20E+01
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	25	25	260	3.58E+01	2.09E-04	5.48E-04	3.60E+01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	25	25	260	3.58E+01	2.09E-04	5.48E-04	3.60E+01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	37.5	25	260	5.37E+01	3.13E-04	8.21E-04	5.40E+01
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	25	25	260	3.58E+01	2.09E-04	5.48E-04	3.60E+01
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	15	25	260	2.15E+01	1.25E-04	3.29E-04	2.16E+01
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	17.5	25	260	2.51E+01	1.46E-04	3.83E-04	2.52E+01
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	12.5	25	260	1.79E+01	1.04E-04	2.74E-04	1.80E+01

Worker Starting Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission Factor (g/trip)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	10	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	25	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	15	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	10	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	25	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	10	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	12.5	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	37.5	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	17.5	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	25	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	12.5	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	17.5	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	50	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	10	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	10	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	50	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	25	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	15	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	25	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	40	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	15	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	10	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	50	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	25	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	25	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	37.5	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	25	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	15	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	17.5	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	12.5	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	25	3.14E-02	7.53E-03	9.47E-02	2.56E-05	0.00E+00	7.38E-05	7.38E-05	0.00E+00	6.79E-05	6.79E-05	2.59E+00	1.80E-03	1.10E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	25	9.43E-03	2.26E-03	2.84E-02	7.69E-06	0.00E+00	2.21E-05	2.21E-05	0.00E+00	2.04E-05	2.04E-05	7.77E-01	5.39E-04	3.31E-04
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	25	2.52E-02	6.03E-03	7.58E-02	2.05E-05	0.00E+00	5.90E-05	5.90E-05	0.00E+00	5.43E-05	5.43E-05	2.07E+00	1.44E-03	8.82E-04
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	10	25	6.29E-03	1.51E-03	1.89E-02	5.13E-06	0.00E+00	1.48E-05	1.48E-05	0.00E+00	1.36E-05	1.36E-05	5.18E-01	3.59E-04	2.21E-04
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	25	1.57E-02	3.77E-03	4.74E-02	1.28E-05	0.00E+00	3.69E-05	3.69E-05	0.00E+00	3.39E-05	3.39E-05	1.30E+00	8.98E-04	5.51E-04
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	25	25	1.57E-02	3.77E-03	4.74E-02	1.28E-05	0.00E+00	3.69E-05	3.69E-05	0.00E+00	3.39E-05	3.39E-05	1.30E+00	8.98E-04	5.51E-04
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	15	25	9.43E-03	2.26E-03	2.84E-02	7.69E-06	0.00E+00	2.21E-05	2.21E-05	0.00E+00	2.04E-05	2.04E-05	7.77E-01	5.39E-04	3.31E-04
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	10	25	6.29E-03	1.51E-03	1.89E-02	5.13E-06	0.00E+00	1.48E-05	1.48E-05	0.00E+00	1.36E-05	1.36E-05	5.18E-01	3.59E-04	2.21E-04
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	25	25	1.57E-02	3.77E-03	4.74E-02	1.28E-05	0.00E+00	3.69E-05	3.69E-05	0.00E+00	3.39E-05	3.39E-05	1.30E+00	8.98E-04	5.51E-04
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	10	25	6.29E-03	1.51E-03	1.89E-02	5.13E-06	0.00E+00	1.48E-05	1.48E-05	0.00E+00	1.36E-05	1.36E-05	5.18E-01	3.59E-04	2.21E-04
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	25	2.95E-02	7.24E-03	9.24E-02	2.51E-05	0.00E+00	6.95E-05	6.95E-05	0.00E+00	6.39E-05	6.39E-05	2.53E+00	1.69E-03	1.08E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	25	8.86E-03	2.17E-03	2.77E-02	7.52E-06	0.00E+00	2.08E-05	2.08E-05	0.00E+00	1.92E-05	1.92E-05	7.60E-01	5.07E-04	3.23E-04
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	25	2.36E-02	5.79E-03	7.39E-02	2.01E-05	0.00E+00	5.56E-05	5.56E-05	0.00E+00	5.11E-05	5.11E-05	2.03E+00	1.35E-03	8.62E-04
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	25	1.48E-02	3.62E-03	4.62E-02	1.25E-05	0.00E+00	3.47E-05	3.47E-05	0.00E+00	3.19E-05	3.19E-05	1.27E+00	8.44E-04	5.39E-04
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	25	1.48E-02	3.62E-03	4.62E-02	1.25E-05	0.00E+00	3.47E-05	3.47E-05	0.00E+00	3.19E-05	3.19E-05	1.27E+00	8.44E-04	5.39E-04
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	25	8.86E-03	2.17E-03	2.77E-02	7.52E-06	0.00E+00	2.08E-05	2.08E-05	0.00E+00	1.92E-05	1.92E-05	7.60E-01	5.07E-04	3.23E-04
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	25	5.90E-03	1.45E-03	1.85E-02	5.02E-06	0.00E+00	1.39E-05	1.39E-05	0.00E+00	1.28E-05	1.28E-05	5.07E-01	3.38E-04	2.16E-04
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	25	5.90E-03	1.45E-03	1.85E-02	5.02E-06	0.00E+00	1.39E-05	1.39E-05	0.00E+00	1.28E-05	1.28E-05	5.07E-01	3.38E-04	2.16E-04
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	25	5.90E-03	1.45E-03	1.85E-02	5.02E-06	0.00E+00	1.39E-05	1.39E-05	0.00E+00	1.28E-05	1.28E-05	5.07E-01	3.38E-04	2.16E-04
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	25	1.48E-02	3.62E-03	4.62E-02	1.25E-05	0.00E+00	3.47E-05	3.47E-05	0.00E+00	3.19E-05	3.19E-05	1.27E+00	8.44E-04	5.39E-04
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	25	2.78E-02	7.00E-03	9.03E-02	2.46E-05	0.00E+00	6.54E-05	6.54E-05	0.00E+00	6.01E-05	6.01E-05	2.48E+00	1.59E-03	1.06E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	12.5	25	6.95E-03	1.75E-03	2.26E-02	6.15E-06	0.00E+00	1.63E-05	1.63E-05	0.00E+00	1.50E-05	1.50E-05	6.21E-01	3.98E-04	2.64E-04
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	25	1.39E-02	3.50E-03	4.51E-02	1.23E-05	0.00E+00	3.27E-05	3.27E-05	0.00E+00	3.01E-05	3.01E-05	1.24E+00	7.97E-04	5.29E-04
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	37.5	25	2.09E-02	5.25E-03	6.77E-02	1.84E-05	0.00E+00	4.90E-05	4.90E-05	0.00E+00	4.51E-05	4.51E-05	1.86E+00	1.20E-03	7.93E-04
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	25	1.39E-02	3.50E-03	4.51E-02	1.23E-05	0.00E+00	3.27E-05	3.27E-05	0.00E+00	3.01E-05	3.01E-05	1.24E+00	7.97E-04	5.29E-04
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	25	8.34E-03	2.10E-03	2.71E-02	7.38E-06	0.00E+00	1.96E-05	1.96E-05	0.00E+00	1.80E-05	1.80E-05	7.45E-01	4.78E-04	3.17E-04
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	17.5	25	9.73E-03	2.45E-03	3.16E-02	8.61E-06	0.00E+00	2.29E-05	2.29E-05	0.00E+00	2.10E-05	2.10E-05	8.70E-01	5.58E-04	3.70E-04
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	25	25	1.39E-02	3.50E-03	4.51E-02	1.23E-05	0.00E+00	3.27E-05	3.27E-05	0.00E+00	3.01E-05	3.01E-05	1.24E+00	7.97E-04	5.29E-04
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	12.5	25	6.95E-03	1.75E-03	2.26E-02	6.15E-06	0.00E+00	1.63E-05	1.63E-05	0.00E+00	1.50E-05	1.50E-05	6.21E-01	3.98E-04	2.64E-04
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	17.5	25	9.73E-03	2.45E-03	3.16E-02	8.61E-06	0.00E+00	2.29E-05	2.29E-05	0.00E+00	2.10E-05	2.10E-05	8.70E-01	5.58E-04	3.70E-04
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	50	25	2.63E-02	6.80E-03	8.84E-02	2.41E-05	0.00E+00	6.16E-05	6.16E-05	0.00E+00	5.66E-05	5.66E-05	2.44E+00	1.51E-03	1.04E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	10	25	5.25E-03	1.36E-03	1.77E-02	4.83E-06	0.00E+00	1.23E-05	1.23E-05	0.00E+00	1.13E-05	1.13E-05	4.88E-01	3.02E-04	2.08E-04
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	10	25	5.25E-03	1.36E-03	1.77E-02	4.83E-06	0.00E+00	1.23E-05	1.23E-05	0.00E+00	1.13E-05	1.13E-05	4.88E-01	3.02E-04	2.08E-04
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	50	25	2.63E-02	6.80E-03	8.84E-02	2.41E-05	0.00E+00	6.16E-05	6.16E-05	0.00E+00	5.66E-05	5.66E-05	2.44E+00	1.51E-03	1.04E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	25	25	1.31E-02	3.40E-03	4.42E-02	1.21E-05	0.00E+00	3.08E-05	3.08E-05	0.00E+00	2.83E-05	2.83E-05	1.22E+00	7.55E-04	5.20E-04
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	15	25	7.88E-03	2.04E-03	2.65E-02	7.24E-06	0.00E+00	1.85E-05	1.85E-05	0.00E+00	1.70E-05	1.70E-05	7.32E-01	4.53E-04	3.12E-04
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	25	25	1.31E-02	3.40E-03	4.42E-02	1.21E-05	0.00E+00	3.08E-05	3.08E-05	0.00E+00	2.83E-05	2.83E-05	1.22E+00	7.55E-04	5.20E-04
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	40	25	2.10E-02	5.44E-03	7.07E-02	1.93E-05	0.00E+00	4.93E-05	4.93E-05	0.00E+00	4.53E-05	4.53E-05	1.95E+00	1.21E-03	8.33E-04
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	15	25	7.46E-03	1.99E-03	2.60E-02	7.13E-06	0.00E+00	1.74E-05	1.74E-05	0.00E+00	1.60E-05	1.60E-05	7.20E-01	4.30E-04	3.08E-04
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	10	25	4.98E-03	1.33E-03	1.73E-02	4.75E-06	0.00E+00	1.16E-05	1.16E-05	0.00E+00	1.07E-05	1.07E-05	4.80E-01	2.87E-04	2.05E-04
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	50	25	2.49E-02	6.64E-03	8.66E-02	2.38E-05	0.00E+00	5.80E-05	5.80E-05	0.00E+00	5.34E-05	5.34E-05	2.40E+00	1.43E-03	1.03E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	25	25	1.24E-02	3.32E-03	4.33E-02	1.19E-05	0.00E+00	2.90E-05	2.90E-05	0.00E+00	2.67E-05	2.67E-05	1.20E+00	7.16E-04	5.13E-04
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	25	25	1.24E-02	3.32E-03	4.33E-02	1.19E-05	0.00E+00	2.90E-05	2.90E-05	0.00E+00	2.67E-05	2.67E-05	1.20E+00	7.16E-04	5.13E-04
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	37.5	25	1.87E-02	4.98E-03	6.50E-02	1.78E-05	0.00E+00	4.35E-05	4.35E-05	0.00E+00	4.00E-05	4.00E-05	1.80E+00	1.07E-03	7.70E-04
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	25	25	1.24E-02	3.32E-03	4.33E-02	1.19E-05	0.00E+00	2.90E-05	2.90E-05	0.00E+00	2.67E-05	2.67E-05	1.20E+00	7.16E-04	5.13E-04
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	15	25	7.46E-03	1.99E-03	2.60E-02	7.13E-06	0.00E+00	1.74E-05	1.74E-05	0.00E+00	1.60E-05	1.60E-05	7.20E-01	4.30E-04	3.08E-04
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	17.5	25	8.71E-03	2.32E-03	3.03E-02	8.31E-06	0.00E+00	2.03E-05	2.03E-05	0.00E+00	1.87E-05	1.87E-05	8.40E-01	5.01E-04	3.59E-04
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	12.5	25	6.22E-03	1.66E-03	2.17E-02	5.94E-06	0.00E+00	1.45E-05	1.45E-05	0.00E+00	1.33E-05	1.33E-05	6.00E-01	3.58E-04	2.57E-04

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
						MT/yr			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	25	260	3.05E-01	2.12E-04	1.30E-04	3.50E-01
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	25	260	9.16E-02	6.35E-05	3.90E-05	1.05E-01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	25	260	2.44E-01	1.69E-04	1.04E-04	2.80E-01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	10	25	260	6.11E-02	4.24E-05	2.60E-05	6.99E-02
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	25	260	1.53E-01	1.06E-04	6.50E-05	1.75E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	25	25	260	1.53E-01	1.06E-04	6.50E-05	1.75E-01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	15	25	260	9.16E-02	6.35E-05	3.90E-05	1.05E-01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	10	25	260	6.11E-02	4.24E-05	2.60E-05	6.99E-02
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	25	25	260	1.53E-01	1.06E-04	6.50E-05	1.75E-01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	10	25	260	6.11E-02	4.24E-05	2.60E-05	6.99E-02
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	25	260	2.99E-01	1.99E-04	1.27E-04	3.42E-01
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	25	260	8.97E-02	5.97E-05	3.81E-05	1.03E-01
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	25	260	2.39E-01	1.59E-04	1.02E-04	2.73E-01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	25	260	1.49E-01	9.96E-05	6.36E-05	1.71E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	25	260	1.49E-01	9.96E-05	6.36E-05	1.71E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	25	260	8.97E-02	5.97E-05	3.81E-05	1.03E-01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	25	260	5.98E-02	3.98E-05	2.54E-05	6.84E-02
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	25	260	5.98E-02	3.98E-05	2.54E-05	6.84E-02
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	25	260	5.98E-02	3.98E-05	2.54E-05	6.84E-02
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	25	260	1.49E-01	9.96E-05	6.36E-05	1.71E-01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	25	260	2.93E-01	1.88E-04	1.25E-04	3.35E-01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	12.5	25	260	7.33E-02	4.70E-05	3.12E-05	8.37E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	25	260	1.47E-01	9.40E-05	6.24E-05	1.67E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	37.5	25	260	2.20E-01	1.41E-04	9.35E-05	2.51E-01
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	25	260	1.47E-01	9.40E-05	6.24E-05	1.67E-01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	25	260	8.79E-02	5.64E-05	3.74E-05	1.00E-01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	17.5	25	260	1.03E-01	6.58E-05	4.37E-05	1.17E-01
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	25	25	260	1.47E-01	9.40E-05	6.24E-05	1.67E-01
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	12.5	25	260	7.33E-02	4.70E-05	3.12E-05	8.37E-02
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	17.5	25	260	1.03E-01	6.58E-05	4.37E-05	1.17E-01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	50	25	260	2.88E-01	1.78E-04	1.23E-04	3.29E-01
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	10	25	260	5.76E-02	3.56E-05	2.45E-05	6.58E-02
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	10	25	260	5.76E-02	3.56E-05	2.45E-05	6.58E-02
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	50	25	260	2.88E-01	1.78E-04	1.23E-04	3.29E-01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	25	25	260	1.44E-01	8.90E-05	6.14E-05	1.64E-01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	15	25	260	8.63E-02	5.34E-05	3.68E-05	9.86E-02
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	25	25	260	1.44E-01	8.90E-05	6.14E-05	1.64E-01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	40	25	260	2.30E-01	1.42E-04	9.82E-05	2.63E-01
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	15	25	260	8.49E-02	5.07E-05	3.63E-05	9.70E-02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	10	25	260	5.66E-02	3.38E-05	2.42E-05	6.47E-02
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	50	25	260	2.83E-01	1.69E-04	1.21E-04	3.23E-01
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	25	25	260	1.42E-01	8.45E-05	6.06E-05	1.62E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	25	25	260	1.42E-01	8.45E-05	6.06E-05	1.62E-01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	37.5	25	260	2.12E-01	1.27E-04	9.08E-05	2.43E-01
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	25	25	260	1.42E-01	8.45E-05	6.06E-05	1.62E-01
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	15	25	260	8.49E-02	5.07E-05	3.63E-05	9.70E-02
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	17.5	25	260	9.91E-02	5.91E-05	4.24E-05	1.13E-01
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	12.5	25	260	7.08E-02	4.22E-05	3.03E-05	8.08E-02

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Vendor Running Emission Factors ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/mile)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	9	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	2	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	6	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	2	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	6	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	7	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	6	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	4	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	9	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	2	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	2	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	12	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	4.5	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	14.5	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	8.5	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	4.5	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	15.5	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	5	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	7	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	4	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	6	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	2	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	25	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	6	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	6	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	11.5	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	14.5	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	14.5	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.5	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	6	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	4.5	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	2	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	9	25	15	7.47E-03	8.28E-01	1.46E-01	4.76E-03	2.08E-01	6.60E-03	2.15E-01	5.98E-02	6.31E-03	6.61E-02	5.16E+02	1.99E-02	7.45E-02
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	2	25	15	1.66E-03	1.84E-01	3.24E-02	1.06E-03	4.62E-02	1.47E-03	4.77E-02	1.33E-02	1.40E-03	1.47E-02	1.15E+02	4.43E-03	1.66E-02
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	25	15	2.08E-02	2.30E+00	4.05E-01	1.32E-02	5.78E-01	1.83E-02	5.96E-01	1.66E-01	1.75E-02	1.84E-01	1.43E+03	5.54E-02	2.07E-01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	6	25	15	4.98E-03	5.52E-01	9.73E-02	3.18E-03	1.39E-01	4.40E-03	1.43E-01	3.99E-02	4.21E-03	4.41E-02	3.44E+02	1.33E-02	4.97E-02
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	2	25	15	1.66E-03	1.84E-01	3.24E-02	1.06E-03	4.62E-02	1.47E-03	4.77E-02	1.33E-02	1.40E-03	1.47E-02	1.15E+02	4.43E-03	1.66E-02
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	25	15	1.25E-02	1.38E+00	2.43E-01	7.94E-03	3.47E-01	1.10E-02	3.58E-01	9.96E-02	1.05E-02	1.10E-01	8.59E+02	3.32E-02	1.24E-01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	6	25	15	4.98E-03	5.52E-01	9.73E-02	3.18E-03	1.39E-01	4.40E-03	1.43E-01	3.99E-02	4.21E-03	4.41E-02	3.44E+02	1.33E-02	4.97E-02
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	7	25	15	5.81E-03	6.44E-01	1.13E-01	3.71E-03	1.62E-01	5.13E-03	1.67E-01	4.65E-02	4.91E-03	5.14E-02	4.01E+02	1.55E-02	5.80E-02
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	6	25	15	4.98E-03	5.52E-01	9.73E-02	3.18E-03	1.39E-01	4.40E-03	1.43E-01	3.99E-02	4.21E-03	4.41E-02	3.44E+02	1.33E-02	4.97E-02
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	4	25	15	3.32E-03	3.68E-01	6.49E-02	2.12E-03	9.24E-02	2.93E-03	9.53E-02	2.66E-02	2.80E-03	2.94E-02	2.29E+02	8.87E-03	3.31E-02
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	9	25	15	7.32E-03	8.24E-01	1.46E-01	4.67E-03	2.08E-01	6.43E-03	2.14E-01	5.98E-02	6.15E-03	6.59E-02	5.06E+02	2.00E-02	7.32E-02
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	2	25	15	1.63E-03	1.83E-01	3.24E-02	1.04E-03	4.62E-02	1.43E-03	4.76E-02	1.33E-02	1.37E-03	1.47E-02	1.12E+02	4.45E-03	1.63E-02
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	25	15	2.03E-02	2.29E+00	4.06E-01	1.30E-02	5.78E-01	1.79E-02	5.95E-01	1.66E-01	1.71E-02	1.83E-01	1.41E+03	5.56E-02	2.03E-01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	25	15	1.63E-03	1.83E-01	3.24E-02	1.04E-03	4.62E-02	1.43E-03	4.76E-02	1.33E-02	1.37E-03	1.47E-02	1.12E+02	4.45E-03	1.63E-02
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	2	25	15	1.63E-03	1.83E-01	3.24E-02	1.04E-03	4.62E-02	1.43E-03	4.76E-02	1.33E-02	1.37E-03	1.47E-02	1.12E+02	4.45E-03	1.63E-02
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	25	15	4.88E-03	5.49E-01	9.73E-02	3.12E-03	1.39E-01	4.29E-03	1.43E-01	3.99E-02	4.10E-03	4.40E-02	3.37E+02	1.33E-02	4.88E-02
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	25	15	5.70E-03	6.41E-01	1.14E-01	3.64E-03	1.62E-01	5.00E-03	1.67E-01	4.65E-02	4.79E-03	5.13E-02	3.94E+02	1.56E-02	5.69E-02
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	25	15	4.88E-03	5.49E-01	9.73E-02	3.12E-03	1.39E-01	4.29E-03	1.43E-01	3.99E-02	4.10E-03	4.40E-02	3.37E+02	1.33E-02	4.88E-02
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	25	15	3.26E-03	3.66E-01	6.49E-02	2.08E-03	9.24E-02	2.86E-03	9.53E-02	2.66E-02	2.74E-03	2.93E-02	2.25E+02	8.89E-03	3.25E-02
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	25	15	4.88E-03	5.49E-01	9.73E-02	3.12E-03	1.39E-01	4.29E-03	1.43E-01	3.99E-02	4.10E-03	4.40E-02	3.37E+02	1.33E-02	4.88E-02
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	12	25	15	9.63E-03	1.09E+00	1.95E-01	6.13E-03	2.77E-01	8.54E-03	2.86E-01	7.97E-02	8.17E-03	8.79E-02	6.64E+02	2.68E-02	9.61E-02
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	4.5	25	15	3.61E-03	4.09E-01	7.29E-02	2.30E-03	1.04E-01	3.20E-03	1.07E-01	2.99E-02	3.06E-03	3.30E-02	2.49E+02	1.00E-02	3.60E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	14.5	25	15	1.16E-02	1.32E+00	2.35E-01	7.41E-03	3.35E-01	1.03E-02	3.45E-01	9.63E-02	9.87E-03	1.06E-01	8.02E+02	3.23E-02	1.16E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	8.5	25	15	6.82E-03	7.73E-01	1.38E-01	4.34E-03	1.96E-01	6.05E-03	2.02E-01	5.65E-02	5.79E-03	6.22E-02	4.70E+02	1.90E-02	6.81E-02
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	25	15	1.20E-02	1.36E+00	2.43E-01	7.66E-03	3.47E-01	1.07E-02	3.57E-01	9.96E-02	1.02E-02	1.10E-01	8.30E+02	3.35E-02	1.20E-01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	25	15	4.81E-03	5.45E-01	9.73E-02	3.07E-03	1.39E-01	4.27E-03	1.43E-01	3.99E-02	4.08E-03	4.39E-02	3.32E+02	1.34E-02	4.80E-02
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	4.5	25	15	3.61E-03	4.09E-01	7.29E-02	2.30E-03	1.04E-01	3.20E-03	1.07E-01	2.99E-02	3.06E-03	3.30E-02	2.49E+02	1.00E-02	3.60E-02
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	15.5	25	15	1.24E-02	1.41E+00	2.51E-01	7.92E-03	3.58E-01	1.10E-02	3.69E-01	1.03E-01	1.06E-02	1.13E-01	8.58E+02	3.46E-02	1.24E-01
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	5	25	15	4.01E-03	4.54E-01	8.11E-02	2.55E-03	1.16E-01	3.56E-03	1.19E-01	3.32E-02	3.40E-03	3.66E-02	2.77E+02	1.12E-02	4.00E-02
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	25	15	4.81E-03	5.45E-01	9.73E-02	3.07E-03	1.39E-01	4.27E-03	1.43E-01	3.99E-02	4.08E-03	4.39E-02	3.32E+02	1.34E-02	4.80E-02
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	25	15	1.19E-02	1.35E+00	2.43E-01	7.55E-03	3.47E-01	1.06E-02	3.57E-01	9.96E-02	1.02E-02	1.10E-01	8.18E+02	3.36E-02	1.18E-01
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	7	25	15	5.55E-03	6.32E-01	1.13E-01	3.52E-03	1.62E-01	4.96E-03	1.67E-01	4.65E-02	4.75E-03	5.12E-02	3.82E+02	1.57E-02	5.53E-02
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	4	25	15	3.17E-03	3.61E-01	6.48E-02	2.01E-03	9.24E-02	2.83E-03	9.53E-02	2.66E-02	2.71E-03	2.93E-02	2.18E+02	8.95E-03	3.16E-02
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	25	15	1.19E-02	1.35E+00	2.43E-01	7.55E-03	3.47E-01	1.06E-02	3.57E-01	9.96E-02	1.02E-02	1.10E-01	8.18E+02	3.36E-02	1.18E-01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	25	15	1.19E-02	1.35E+00	2.43E-01	7.55E-03	3.47E-01	1.06E-02	3.57E-01	9.96E-02	1.02E-02	1.10E-01	8.18E+02	3.36E-02	1.18E-01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	6	25	15	4.76E-03	5.42E-01	9.72E-02	3.02E-03	1.39E-01	4.25E-03	1.43E-01	3.99E-02	4.07E-03	4.39E-02	3.27E+02	1.34E-02	4.74E-02
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	2	25	15	1.59E-03	1.81E-01	3.24E-02	1.01E-03	4.62E-02	1.42E-03	4.76E-02	1.33E-02	1.36E-03	1.46E-02	1.09E+02	4.47E-03	1.58E-02
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	25	25	15	1.98E-02	2.26E+00	4.05E-01	1.26E-02	5.78E-01	1.77E-02	5.95E-01	1.66E-01	1.69E-02	1.83E-01	1.36E+03	5.59E-02	1.97E-01
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	6	25	15	4.71E-03	5.38E-01	9.72E-02	2.98E-03	1.39E-01	4.23E-03	1.43E-01	3.99E-02	4.05E-03	4.39E-02	3.22E+02	1.35E-02	4.67E-02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	6	25	15	4.71E-03	5.38E-01	9.72E-02	2.98E-03	1.39E-01	4.23E-03	1.43E-01	3.99E-02	4.05E-03	4.39E-02	3.22E+02	1.35E-02	4.67E-02
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	11.5	25	15	9.02E-03	1.03E+00	1.86E-01	5.70E-03	2.66E-01	8.11E-03	2.74E-01	7.64E-02	7.76E-03	8.41E-02	6.18E+02	2.58E-02	8.95E-02
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	14.5	25	15	1.14E-02	1.30E+00	2.35E-01	7.19E-03	3.35E-01	1.02E-02	3.45E-01	9.63E-02	9.78E-03	1.06E-01	7.79E+02	3.25E-02	1.13E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	14.5	25	15	1.14E-02	1.30E+00	2.35E-01	7.19E-03	3.35E-01	1.02E-02	3.45E-01	9.63E-02	9.78E-03	1.06E-01	7.79E+02	3.25E-02	1.13E-01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.5	25	15	6.67E-03	7.62E-01	1.38E-01	4.22E-03	1.96E-01	5.99E-03	2.02E-01	5.65E-02	5.73E-03	6.22E-02	4.57E+02	1.91E-02	6.62E-02
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	25	15	1.18E-02	1.35E+00	2.43E-01	7.44E-03	3.47E-01	1.06E-02	3.57E-01	9.96E-02	1.01E-02	1.10E-01	8.06E+02	3.36E-02	1.17E-01
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	6	25	15	4.71E-03	5.38E-01	9.72E-02	2.98E-03	1.39E-01	4.23E-03	1.43E-01	3.99E-02	4.05E-03	4.39E-02	3.22E+02	1.35E-02	4.67E-02
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	4.5	25	15	3.53E-03	4.04E-01	7.29E-02	2.23E-03	1.04E-01	3.17E-03	1.07E-01	2.99E-02	3.03E-03	3.29E-02	2.42E+02	1.01E-02	3.50E-02
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	2	25	15	1.57E-03	1.79E-01	3.24E-02	9.92E-04	4.62E-02	1.41E-03	4.76E-02	1.33E-02	1.35E-03	1.46E-02	1.07E+02	4.48E-03	1.56E-02

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
							MT/year			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	9	25	15	260	6.08E+01	0.00235262	0.00879039	6.35E+01
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	2	25	15	260	13.5117413	0.0005228	0.00195342	1.41E+01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	25	15	260	168.896766	0.00653506	0.02441775	1.76E+02
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	6	25	15	260	40.5352239	0.00156841	0.00586026	4.23E+01
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	2	25	15	260	13.5117413	0.0005228	0.00195342	1.41E+01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	25	15	260	101.33806	0.00392104	0.01465065	1.06E+02
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	6	25	15	260	40.5352239	0.00156841	0.00586026	4.23E+01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	25	15	260	0	0	0	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	7	25	15	260	47.2910946	0.00182982	0.00683697	4.94E+01
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	6	25	15	260	40.5352239	0.00156841	0.00586026	4.23E+01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	4	25	15	260	27.0234826	0.00104561	0.00390684	2.82E+01
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	9	25	15	260	59.6932078	0.00236029	0.00863446	6.23E+01
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	2	25	15	260	13.2651573	0.00052451	0.00191877	1.39E+01
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	25	15	260	165.814466	0.00655636	0.02398461	1.73E+02
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	25	15	260	13.2651573	0.00052451	0.00191877	1.39E+01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	2	25	15	260	13.2651573	0.00052451	0.00191877	1.39E+01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	25	15	260	39.7954719	0.00157353	0.00575631	4.16E+01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	25	15	260	46.4280505	0.00183578	0.00671569	4.85E+01
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	25	15	260	39.7954719	0.00157353	0.00575631	4.16E+01
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	15	260	0	0	0	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	25	15	260	26.5303146	0.00104902	0.00383754	2.77E+01
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	25	15	260	39.7954719	0.00157353	0.00575631	4.16E+01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	12	25	15	260	78.3115727	0.00315651	0.01133276	8.18E+01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	4.5	25	15	260	29.3668398	0.00118369	0.00424979	3.07E+01
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	14.5	25	15	260	94.6264837	0.00381411	0.01369375	9.88E+01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	8.5	25	15	260	55.4706973	0.00223586	0.00802737	5.79E+01
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	25	15	260	97.8894659	0.00394563	0.01416595	1.02E+02
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	25	15	260	39.1557864	0.00157825	0.00566638	4.09E+01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	4.5	25	15	260	29.3668398	0.00118369	0.00424979	3.07E+01
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	15.5	25	15	260	101.152448	0.00407715	0.01463815	1.06E+02
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	15	260	0	0	0	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	5	25	15	260	32.629822	0.00131521	0.00472198	3.41E+01
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	25	15	260	39.1557864	0.00157825	0.00566638	4.09E+01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	25	15	260	96.4388828	0.00395697	0.01396268	1.01E+02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	7	25	15	260	45.004812	0.00184659	0.00651592	4.70E+01
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	4	25	15	260	25.7170354	0.00105519	0.00372338	2.69E+01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	25	15	260	96.4388828	0.00395697	0.01396268	1.01E+02
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	25	15	260	96.4388828	0.00395697	0.01396268	1.01E+02
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	6	25	15	260	38.5755531	0.00158279	0.00558507	4.03E+01
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	2	25	15	260	12.8585177	0.0005276	0.00186169	1.34E+01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	15	260	0	0	0	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	25	25	15	260	160.731471	0.00659495	0.02327113	1.68E+02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	25	15	260	0	0	0	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	6	25	15	260	38.0319006	0.00158659	0.00550858	3.97E+01
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	6	25	15	260	38.0319006	0.00158659	0.00550858	3.97E+01
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	11.5	25	15	260	72.8944761	0.00304096	0.01055812	7.61E+01
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	14.5	25	15	260	91.9104264	0.00383425	0.01331241	9.60E+01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	14.5	25	15	260	91.9104264	0.00383425	0.01331241	9.60E+01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.5	25	15	260	53.8785258	0.00224767	0.00780383	5.63E+01
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	25	15	260	95.0797514	0.00396647	0.01377146	9.93E+01
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	6	25	15	260	38.0319006	0.00158659	0.00550858	3.97E+01
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	4.5	25	15	260	28.5239254	0.00118994	0.00413144	2.98E+01
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	2	25	15	260	12.6773002	0.00052886	0.00183619	1.32E+01

Vendor Starting Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/trip)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	9	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	2	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	6	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	2	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	6	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	7	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	6	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	4	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	9	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	2	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	2	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	12	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	4.5	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	14.5	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	8.5	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	4.5	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	15.5	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	5	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	7	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	4	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	6	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	2	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	25	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	6	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	6	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	11.5	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	14.5	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	14.5	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.5	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	6	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	4.5	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	2	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	9	25	15	6.83E-04	2.02E-02	4.13E-03	4.24E-07	0.00E+00	4.98E-07	4.98E-07	0.00E+00	4.58E-07	4.58E-07	4.28E-02	4.09E-05	3.72E-05
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	2	25	15	1.52E-04	4.49E-03	9.18E-04	9.42E-08	0.00E+00	1.11E-07	1.11E-07	0.00E+00	1.02E-07	1.02E-07	9.51E-03	9.09E-06	8.26E-06
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	25	15	1.90E-03	5.62E-02	1.15E-02	1.18E-06	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	1.19E-01	1.14E-04	1.03E-04
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	6	25	15	4.55E-04	1.35E-02	2.75E-03	2.82E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.85E-02	2.73E-05	2.48E-05
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	2	25	15	1.52E-04	4.49E-03	9.18E-04	9.42E-08	0.00E+00	1.11E-07	1.11E-07	0.00E+00	1.02E-07	1.02E-07	9.51E-03	9.09E-06	8.26E-06
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	25	15	1.14E-03	3.37E-02	6.88E-03	7.06E-07	0.00E+00	8.31E-07	8.31E-07	0.00E+00	7.64E-07	7.64E-07	7.14E-02	6.81E-05	6.19E-05
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	6	25	15	4.55E-04	1.35E-02	2.75E-03	2.82E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.85E-02	2.73E-05	2.48E-05
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	7	25	15	5.31E-04	1.57E-02	3.21E-03	3.30E-07	0.00E+00	3.88E-07	3.88E-07	0.00E+00	3.56E-07	3.56E-07	3.33E-02	3.18E-05	2.89E-05
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	6	25	15	4.55E-04	1.35E-02	2.75E-03	2.82E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.85E-02	2.73E-05	2.48E-05
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	4	25	15	3.04E-04	8.99E-03	1.84E-03	1.88E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.04E-07	2.04E-07	1.90E-02	1.82E-05	1.65E-05
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	9	25	15	6.62E-04	2.02E-02	4.00E-03	4.13E-07	0.00E+00	4.97E-07	4.97E-07	0.00E+00	4.57E-07	4.57E-07	4.18E-02	4.01E-05	3.69E-05
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	2	25	15	1.47E-04	4.50E-03	8.89E-04	9.19E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.01E-07	1.01E-07	9.28E-03	8.90E-06	8.20E-06
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	25	15	1.84E-03	5.62E-02	1.11E-02	1.15E-06	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	1.16E-01	1.11E-04	1.02E-04
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	25	15	1.47E-04	4.50E-03	8.89E-04	9.19E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.01E-07	1.01E-07	9.28E-03	8.90E-06	8.20E-06
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	2	25	15	1.47E-04	4.50E-03	8.89E-04	9.19E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.01E-07	1.01E-07	9.28E-03	8.90E-06	8.20E-06
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	25	15	4.41E-04	1.35E-02	2.67E-03	2.76E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.78E-02	2.67E-05	2.46E-05
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	25	15	5.15E-04	1.57E-02	3.11E-03	3.21E-07	0.00E+00	3.86E-07	3.86E-07	0.00E+00	3.55E-07	3.55E-07	3.25E-02	3.12E-05	2.87E-05
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	25	15	4.41E-04	1.35E-02	2.67E-03	2.76E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.78E-02	2.67E-05	2.46E-05
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	25	15	2.94E-04	9.00E-03	1.78E-03	1.84E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.03E-07	2.03E-07	1.86E-02	1.78E-05	1.64E-05
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	25	15	4.41E-04	1.35E-02	2.67E-03	2.76E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.78E-02	2.67E-05	2.46E-05
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	12	25	15	8.59E-04	2.70E-02	5.20E-03	5.40E-07	0.00E+00	6.62E-07	6.62E-07	0.00E+00	6.08E-07	6.08E-07	5.46E-02	5.27E-05	4.90E-05
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	4.5	25	15	3.22E-04	1.01E-02	1.95E-03	2.02E-07	0.00E+00	2.48E-07	2.48E-07	0.00E+00	2.28E-07	2.28E-07	2.05E-02	1.98E-05	1.84E-05
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	14.5	25	15	1.04E-03	3.26E-02	6.29E-03	6.52E-07	0.00E+00	7.99E-07	7.99E-07	0.00E+00	7.35E-07	7.35E-07	6.59E-02	6.36E-05	5.92E-05
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	8.5	25	15	6.09E-04	1.91E-02	3.68E-03	3.82E-07	0.00E+00	4.69E-07	4.69E-07	0.00E+00	4.31E-07	4.31E-07	3.87E-02	3.73E-05	3.47E-05
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	25	15	1.07E-03	3.38E-02	6.50E-03	6.75E-07	0.00E+00	8.27E-07	8.27E-07	0.00E+00	7.60E-07	7.60E-07	6.82E-02	6.58E-05	6.12E-05
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	25	15	4.30E-04	1.35E-02	2.60E-03	2.70E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.73E-02	2.63E-05	2.45E-05
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	4.5	25	15	3.22E-04	1.01E-02	1.95E-03	2.02E-07	0.00E+00	2.48E-07	2.48E-07	0.00E+00	2.28E-07	2.28E-07	2.05E-02	1.98E-05	1.84E-05
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	15.5	25	15	1.11E-03	3.49E-02	6.72E-03	6.97E-07	0.00E+00	8.54E-07	8.54E-07	0.00E+00	7.86E-07	7.86E-07	7.05E-02	6.80E-05	6.33E-05
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	5	25	15	3.58E-04	1.13E-02	2.17E-03	2.25E-07	0.00E+00	2.76E-07	2.76E-07	0.00E+00	2.53E-07	2.53E-07	2.27E-02	2.19E-05	2.04E-05
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	25	15	4.30E-04	1.35E-02	2.60E-03	2.70E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.73E-02	2.63E-05	2.45E-05
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	25	15	1.05E-03	3.38E-02	6.37E-03	6.63E-07	0.00E+00	8.28E-07	8.28E-07	0.00E+00	7.61E-07	7.61E-07	6.70E-02	6.51E-05	6.11E-05
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	7	25	15	4.90E-04	1.58E-02	2.97E-03	3.09E-07	0.00E+00	3.86E-07	3.86E-07	0.00E+00	3.55E-07	3.55E-07	3.13E-02	3.04E-05	2.85E-05
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	4	25	15	2.80E-04	9.01E-03	1.70E-03	1.77E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.03E-07	2.03E-07	1.79E-02	1.74E-05	1.63E-05
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	25	15	1.05E-03	3.38E-02	6.37E-03	6.63E-07	0.00E+00	8.28E-07	8.28E-07	0.00E+00	7.61E-07	7.61E-07	6.70E-02	6.51E-05	6.11E-05
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	25	15	1.05E-03	3.38E-02	6.37E-03	6.63E-07	0.00E+00	8.28E-07	8.28E-07	0.00E+00	7.61E-07	7.61E-07	6.70E-02	6.51E-05	6.11E-05
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	6	25	15	4.20E-04	1.35E-02	2.55E-03	2.65E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.05E-07	3.05E-07	2.68E-02	2.61E-05	2.44E-05
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	2	25	15	1.40E-04	4.51E-03	8.49E-04	8.84E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.02E-07	1.02E-07	8.94E-03	8.68E-06	8.15E-06
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	25	25	15	1.75E-03	5.63E-02	1.06E-02	1.11E-06	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	1.12E-01	1.09E-04	1.02E-04
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	6	25	15	4.12E-04	1.35E-02	2.50E-03	2.61E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.64E-02	2.58E-05	2.44E-05
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	6	25	15	4.12E-04	1.35E-02	2.50E-03	2.61E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.64E-02	2.58E-05	2.44E-05
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	11.5	25	15	7.89E-04	2.59E-02	4.79E-03	5.00E-07	0.00E+00	6.36E-07	6.36E-07	0.00E+00	5.85E-07	5.85E-07	5.05E-02	4.95E-05	4.68E-05
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	14.5	25	15	9.95E-04	3.27E-02	6.03E-03	6.30E-07	0.00E+00	8.02E-07	8.02E-07	0.00E+00	7.37E-07	7.37E-07	6.37E-02	6.24E-05	5.90E-05
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	14.5	25	15	9.95E-04	3.27E-02	6.03E-03	6.30E-07	0.00E+00	8.02E-07	8.02E-07	0.00E+00	7.37E-07	7.37E-07	6.37E-02	6.24E-05	5.90E-05
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.5	25	15	5.83E-04	1.92E-02	3.54E-03	3.70E-07	0.00E+00	4.70E-07	4.70E-07	0.00E+00	4.32E-07	4.32E-07	3.73E-02	3.66E-05	3.46E-05
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	25	15	1.03E-03	3.38E-02	6.24E-03	6.52E-07	0.00E+00	8.30E-07	8.30E-07	0.00E+00	7.63E-07	7.63E-07	6.59E-02	6.45E-05	6.10E-05
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	6	25	15	4.12E-04	1.35E-02	2.50E-03	2.61E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.64E-02	2.58E-05	2.44E-05
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	4.5	25	15	3.09E-04	1.01E-02	1.87E-03	1.96E-07	0.00E+00	2.49E-07	2.49E-07	0.00E+00	2.29E-07	2.29E-07	1.98E-02	1.94E-05	1.83E-05
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	2	25	15	1.37E-04	4.51E-03	8.32E-04	8.70E-08	0.00E+00	1.11E-07	1.11E-07	0.00E+00	1.02E-07	1.02E-07	8.79E-03	8.60E-06	8.14E-06

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
							MT/year			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	9	25	15	260	5.05E-03	4.8215E-06	4.3816E-06	6.48E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	2	25	15	260	0.00112213	1.0714E-06	9.7369E-07	1.44E-03
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	25	15	260	0.01402658	1.3393E-05	1.2171E-05	1.80E-02
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	6	25	15	260	0.00336638	3.2143E-06	2.9211E-06	4.32E-03
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	2	25	15	260	0.00112213	1.0714E-06	9.7369E-07	1.44E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	25	15	260	0.00841595	8.0359E-06	7.3027E-06	1.08E-02
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	6	25	15	260	0.00336638	3.2143E-06	2.9211E-06	4.32E-03
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	25	15	260	0	0	0	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	7	25	15	260	0.00392744	3.7501E-06	3.4079E-06	5.04E-03
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	6	25	15	260	0.00336638	3.2143E-06	2.9211E-06	4.32E-03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	4	25	15	260	0.00224425	2.1429E-06	1.9474E-06	2.88E-03
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	9	25	15	260	0.00492606	4.7254E-06	4.3492E-06	6.34E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	2	25	15	260	0.00109468	1.0501E-06	9.665E-07	1.41E-03
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	25	15	260	0.0136835	1.3126E-05	1.2081E-05	1.76E-02
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	25	15	260	0.00109468	1.0501E-06	9.665E-07	1.41E-03
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	2	25	15	260	0.00109468	1.0501E-06	9.665E-07	1.41E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	25	15	260	0.00328404	3.1503E-06	2.8995E-06	4.23E-03
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	25	15	260	0.00383138	3.6753E-06	3.3827E-06	4.93E-03
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	25	15	260	0.00328404	3.1503E-06	2.8995E-06	4.23E-03
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	15	260	0	0	0	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	25	15	260	0.00218936	2.1002E-06	1.933E-06	2.82E-03
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	25	15	260	0.00328404	3.1503E-06	2.8995E-06	4.23E-03
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	12	25	15	260	0.00643515	6.2113E-06	5.7766E-06	8.31E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	4.5	25	15	260	0.00241318	2.3292E-06	2.1662E-06	3.12E-03
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	14.5	25	15	260	0.0077758	7.5054E-06	6.9801E-06	1.00E-02
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	8.5	25	15	260	0.00455823	4.3997E-06	4.0918E-06	5.89E-03
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	25	15	260	0.00804393	7.7642E-06	7.2208E-06	1.04E-02
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	25	15	260	0.00321757	3.1057E-06	2.8883E-06	4.16E-03
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	4.5	25	15	260	0.00241318	2.3292E-06	2.1662E-06	3.12E-03
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	15.5	25	15	260	0.00831206	8.023E-06	7.4615E-06	1.07E-02
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	15	260	0	0	0	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	5	25	15	260	0.00268131	2.5881E-06	2.4069E-06	3.46E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	25	15	260	0.00321757	3.1057E-06	2.8883E-06	4.16E-03
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	25	15	260	0.00790352	7.6812E-06	7.2085E-06	1.02E-02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	7	25	15	260	0.00368831	3.5846E-06	3.364E-06	4.78E-03
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	4	25	15	260	0.0021076	2.0483E-06	1.9223E-06	2.73E-03
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	25	15	260	0.00790352	7.6812E-06	7.2085E-06	1.02E-02
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	25	15	260	0.00790352	7.6812E-06	7.2085E-06	1.02E-02
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	6	25	15	260	0.00316141	3.0725E-06	2.8834E-06	4.10E-03
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	2	25	15	260	0.0010538	1.0242E-06	9.6113E-07	1.37E-03
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	15	260	0	0	0	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	25	25	15	260	0.01317253	1.2802E-05	1.2014E-05	1.71E-02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	25	15	260	0	0	0	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	6	25	15	260	0.0031089	3.0429E-06	2.8786E-06	4.04E-03
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	6	25	15	260	0.0031089	3.0429E-06	2.8786E-06	4.04E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	11.5	25	15	260	0.00595872	5.8323E-06	5.5174E-06	7.75E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	14.5	25	15	260	0.00751316	7.3537E-06	6.9567E-06	9.77E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	14.5	25	15	260	0.00751316	7.3537E-06	6.9567E-06	9.77E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.5	25	15	260	0.00440427	4.3108E-06	4.0781E-06	5.73E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	25	15	260	0.00777224	7.6073E-06	7.1966E-06	1.01E-02
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	6	25	15	260	0.0031089	3.0429E-06	2.8786E-06	4.04E-03
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	4.5	25	15	260	0.00233167	2.2822E-06	2.159E-06	3.03E-03
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	2	25	15	260	0.0010363	1.0143E-06	9.5955E-07	1.35E-03

Haul Running Emission Factors

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission Factor (g/mile)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	1705	7	25	2.14E-02	2.31E+00	4.75E-01	1.07E-02	3.96E-01	1.98E-02	4.16E-01	1.09E-01	1.89E-02	1.27E-01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	26	0	25	2.14E-02	2.31E+00	4.75E-01	1.07E-02	3.96E-01	1.98E-02	4.16E-01	1.09E-01	1.89E-02	1.27E-01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	25	2.14E-02	2.31E+00	4.75E-01	1.07E-02	3.96E-01	1.98E-02	4.16E-01	1.09E-01	1.89E-02	1.27E-01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	0	0	25	2.14E-02	2.31E+00	4.75E-01	1.07E-02	3.96E-01	1.98E-02	4.16E-01	1.09E-01	1.89E-02	1.27E-01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	7512	29	25	2.14E-02	2.31E+00	4.75E-01	1.07E-02	3.96E-01	1.98E-02	4.16E-01	1.09E-01	1.89E-02	1.27E-01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	2191	8	25	2.14E-02	2.31E+00	4.75E-01	1.07E-02	3.96E-01	1.98E-02	4.16E-01	1.09E-01	1.89E-02	1.27E-01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	5008	19	25	2.14E-02	2.31E+00	4.75E-01	1.07E-02	3.96E-01	1.98E-02	4.16E-01	1.09E-01	1.89E-02	1.27E-01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	25	2.14E-02	2.31E+00	4.75E-01	1.07E-02	3.96E-01	1.98E-02	4.16E-01	1.09E-01	1.89E-02	1.27E-01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	25	2.14E-02	2.31E+00	4.75E-01	1.07E-02	3.96E-01	1.98E-02	4.16E-01	1.09E-01	1.89E-02	1.27E-01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	528	2	25	2.14E-02	2.31E+00	4.75E-01	1.07E-02	3.96E-01	1.98E-02	4.16E-01	1.09E-01	1.89E-02	1.27E-01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	624	2	25	2.14E-02	2.31E+00	4.75E-01	1.07E-02	3.96E-01	1.98E-02	4.16E-01	1.09E-01	1.89E-02	1.27E-01	1.19E+03	7.96E-02	1.89E-01
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	1705	7	25	2.11E-02	2.29E+00	4.81E-01	1.05E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	52	0	25	2.11E-02	2.29E+00	4.81E-01	1.05E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	25	2.11E-02	2.29E+00	4.81E-01	1.05E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	25	2.11E-02	2.29E+00	4.81E-01	1.05E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	7512	29	25	2.11E-02	2.29E+00	4.81E-01	1.05E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	25	2.11E-02	2.29E+00	4.81E-01	1.05E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	25	2.11E-02	2.29E+00	4.81E-01	1.05E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	25	2.11E-02	2.29E+00	4.81E-01	1.05E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	25	2.11E-02	2.29E+00	4.81E-01	1.05E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	25	2.11E-02	2.29E+00	4.81E-01	1.05E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.16E+03	7.99E-02	1.85E-01
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	25	2.11E-02	2.29E+00	4.81E-01	1.05E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.16E+03	7.99E-02	1.85E-01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	2945	11	25	2.09E-02	2.27E+00	4.85E-01	1.03E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	26	0	25	2.09E-02	2.27E+00	4.85E-01	1.03E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	3442	13	25	2.09E-02	2.27E+00	4.85E-01	1.03E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	5848.5	22	25	2.09E-02	2.27E+00	4.85E-01	1.03E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	25	2.09E-02	2.27E+00	4.85E-01	1.03E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	2556	10	25	2.09E-02	2.27E+00	4.85E-01	1.03E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	3756	14	25	2.09E-02	2.27E+00	4.85E-01	1.03E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	3130	12	25	2.09E-02	2.27E+00	4.85E-01	1.03E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	25	2.09E-02	2.27E+00	4.85E-01	1.03E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	2816	11	25	2.09E-02	2.27E+00	4.85E-01	1.03E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.14E+03	8.02E-02	1.82E-01
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	264	1	25	2.09E-02	2.27E+00	4.85E-01	1.03E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.14E+03	8.02E-02	1.82E-01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	4185	16	25	2.07E-02	2.25E+00	4.88E-01	1.01E-02	3.96E-01	1.90E-02	4.15E-01	1.09E-01	1.82E-02	1.27E-01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	0	0	25	2.07E-02	2.25E+00	4.88E-01	1.01E-02	3.96E-01	1.90E-02	4.15E-01	1.09E-01	1.82E-02	1.27E-01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	624	2	25	2.07E-02	2.25E+00	4.88E-01	1.01E-02	3.96E-01	1.90E-02	4.15E-01	1.09E-01	1.82E-02	1.27E-01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	4185	16	25	2.07E-02	2.25E+00	4.88E-01	1.01E-02	3.96E-01	1.90E-02	4.15E-01	1.09E-01	1.82E-02	1.27E-01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	2191	8	25	2.07E-02	2.25E+00	4.88E-01	1.01E-02	3.96E-01	1.90E-02	4.15E-01	1.09E-01	1.82E-02	1.27E-01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	104	0	25	2.07E-02	2.25E+00	4.88E-01	1.01E-02	3.96E-01	1.90E-02	4.15E-01	1.09E-01	1.82E-02	1.27E-01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	7512	29	25	2.07E-02	2.25E+00	4.88E-01	1.01E-02	3.96E-01	1.90E-02	4.15E-01	1.09E-01	1.82E-02	1.27E-01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	25	2.07E-02	2.25E+00	4.88E-01	1.01E-02	3.96E-01	1.90E-02	4.15E-01	1.09E-01	1.82E-02	1.27E-01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	6260	24	25	2.07E-02	2.25E+00	4.88E-01	1.01E-02	3.96E-01	1.90E-02	4.15E-01	1.09E-01	1.82E-02	1.27E-01	1.12E+03	8.05E-02	1.79E-01
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	0	0	25	2.07E-02	2.25E+00	4.88E-01	1.01E-02	3.96E-01	1.90E-02	4.15E-01	1.09E-01	1.82E-02	1.27E-01	1.12E+03	8.05E-02	1.79E-01
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	5008	19	25	2.05E-02	2.22E+00	4.91E-01	9.92E-03	3.96E-01	1.89E-02	4.15E-01	1.09E-01	1.81E-02	1.27E-01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	0	0	25	2.05E-02	2.22E+00	4.91E-01	9.92E-03	3.96E-01	1.89E-02	4.15E-01	1.09E-01	1.81E-02	1.27E-01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	2635	10	25	2.05E-02	2.22E+00	4.91E-01	9.92E-03	3.96E-01	1.89E-02	4.15E-01	1.09E-01	1.81E-02	1.27E-01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	3442	13	25	2.05E-02	2.22E+00	4.91E-01	9.92E-03	3.96E-01	1.89E-02	4.15E-01	1.09E-01	1.81E-02	1.27E-01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	3442	13	25	2.05E-02	2.22E+00	4.91E-01	9.92E-03	3.96E-01	1.89E-02	4.15E-01	1.09E-01	1.81E-02	1.27E-01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	5848.5	22	25	2.05E-02	2.22E+00	4.91E-01	9.92E-03	3.96E-01	1.89E-02	4.15E-01	1.09E-01	1.81E-02	1.27E-01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	2191	8	25	2.05E-02	2.22E+00	4.91E-01	9.92E-03	3.96E-01	1.89E-02	4.15E-01	1.09E-01	1.81E-02	1.27E-01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	2556	10	25	2.05E-02	2.22E+00	4.91E-01	9.92E-03	3.96E-01	1.89E-02	4.15E-01	1.09E-01	1.81E-02	1.27E-01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	3756	14	25	2.05E-02	2.22E+00	4.91E-01	9.92E-03	3.96E-01	1.89E-02	4.15E-01	1.09E-01	1.81E-02	1.27E-01	1.10E+03	8.07E-02	1.76E-01
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	1408.5	5	25	2.05E-02	2.22E+00	4.91E-01	9.92E-03	3.96E-01	1.89E-02	4.15E-01	1.09E-01	1.81E-02	1.27E-01	1.10E+03	8.07E-02	1.76E-01

							Daily Emissions													
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	1705	7	25	7.75E-03	8.33E-01	1.72E-01	3.87E-03	1.43E-01	7.15E-03	1.50E-01	3.92E-02	6.84E-03	4.61E-02	4.30E+02	2.88E-02	6.84E-02
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	26	0	25	1.18E-04	1.27E-02	2.62E-03	5.90E-05	2.18E-03	1.09E-04	2.29E-03	5.98E-04	1.04E-04	7.03E-04	6.55E+00	4.39E-04	1.04E-03
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	25	2.84E-02	3.06E+00	6.30E-01	1.42E-02	5.26E-01	2.63E-02	5.52E-01	1.44E-01	2.51E-02	1.69E-01	1.58E+03	1.06E-01	2.51E-01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	7512	29	25	3.41E-02	3.67E+00	7.56E-01	1.71E-02	6.31E-01	3.15E-02	6.62E-01	1.73E-01	3.01E-02	2.03E-01	1.89E+03	1.27E-01	3.01E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	2191	8	25	9.96E-03	1.07E+00	2.21E-01	4.98E-03	1.84E-01	9.19E-03	1.93E-01	5.04E-02	8.79E-03	5.92E-02	5.52E+02	3.70E-02	8.79E-02
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	5008	19	25	2.28E-02	2.45E+00	5.04E-01	1.14E-02	4.21E-01	2.10E-02	4.42E-01	1.15E-01	2.01E-02	1.35E-01	1.26E+03	8.45E-02	2.01E-01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	528	2	25	2.40E-03	2.58E-01	5.32E-02	1.20E-03	4.43E-02	2.21E-03	4.66E-02	1.22E-02	2.12E-03	1.43E-02	1.33E+02	8.91E-03	2.12E-02
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	624	2	25	2.84E-03	3.05E-01	6.28E-02	1.42E-03	5.24E-02	2.62E-03	5.50E-02	1.44E-02	2.50E-03	1.69E-02	1.57E+02	1.05E-02	2.50E-02
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	1705	7	25	7.62E-03	8.27E-01	1.74E-01	3.79E-03	1.43E-01	6.96E-03	1.50E-01	3.92E-02	6.66E-03	4.59E-02	4.21E+02	2.89E-02	6.70E-02
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	52	0	25	2.33E-04	2.52E-02	5.30E-03	1.16E-04	4.37E-03	2.12E-04	4.58E-03	1.20E-03	2.03E-04	1.40E-03	1.28E+01	8.81E-04	2.04E-03
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	25	2.80E-02	3.04E+00	6.38E-01	1.39E-02	5.26E-01	2.56E-02	5.51E-01	1.44E-01	2.45E-02	1.69E-01	1.55E+03	1.06E-01	2.46E-01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	25	3.36E-02	3.64E+00	7.65E-01	1.67E-02	6.31E-01	3.07E-02	6.62E-01	1.73E-01	2.94E-02	2.02E-01	1.85E+03	1.27E-01	2.95E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	7512	29	25	3.36E-02	3.64E+00	7.65E-01	1.67E-02	6.31E-01	3.07E-02	6.62E-01	1.73E-01	2.94E-02	2.02E-01	1.85E+03	1.27E-01	2.95E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	25	2.24E-02	2.43E+00	5.10E-01	1.11E-02	4.21E-01	2.05E-02	4.41E-01	1.15E-01	1.96E-02	1.35E-01	1.24E+03	8.48E-02	1.97E-01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	25	2.79E-03	3.03E-01	6.36E-02	1.39E-03	5.24E-02	2.55E-03	5.50E-02	1.44E-02	2.44E-03	1.68E-02	1.54E+02	1.06E-02	2.45E-02
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	25	2.36E-03	2.56E-01	5.38E-02	1.17E-03	4.43E-02	2.16E-03	4.65E-02	1.22E-02	2.06E-03	1.42E-02	1.30E+02	8.95E-03	2.08E-02
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	2945	11	25	1.30E-02	1.41E+00	3.02E-01	6.42E-03	2.47E-01	1.19E-02	2.59E-01	6.78E-02	1.14E-02	7.92E-02	7.13E+02	5.01E-02	1.14E-01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	26	0	25	1.15E-04	1.25E-02	2.67E-03	5.67E-05	2.18E-03	1.05E-04	2.29E-03	5.98E-04	1.01E-04	6.99E-04	6.30E+00	4.42E-04	1.00E-03
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	3442	13	25	1.52E-02	1.65E+00	3.54E-01	7.50E-03	2.89E-01	1.40E-02	3.03E-01	7.92E-02	1.34E-02	9.26E-02	8.34E+02	5.85E-02	1.33E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	5848.5	22	25	2.59E-02	2.81E+00	6.01E-01	1.27E-02	4.91E-01	2.37E-02	5.15E-01	1.35E-01	2.27E-02	1.57E-01	1.42E+03	9.94E-02	2.26E-01
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	25	9.69E-03	1.05E+00	2.25E-01	4.78E-03	1.84E-01	8.89E-03	1.93E-01	5.04E-02	8.50E-03	5.89E-02	5.31E+02	3.72E-02	8.46E-02
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	2556	10	25	1.13E-02	1.23E+00	2.63E-01	5.57E-03	2.15E-01	1.04E-02	2.25E-01	5.88E-02	9.92E-03	6.87E-02	6.19E+02	4.35E-02	9.86E-02
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	3756	14	25	1.66E-02	1.80E+00	3.86E-01	8.19E-03	3.15E-01	1.52E-02	3.31E-01	8.64E-02	1.46E-02	1.01E-01	9.10E+02	6.39E-02	1.45E-01
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	3130	12	25	1.38E-02	1.50E+00	3.21E-01	6.82E-03	2.63E-01	1.27E-02	2.76E-01	7.20E-02	1.21E-02	8.42E-02	7.58E+02	5.32E-02	1.21E-01
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	2816	11	25	1.25E-02	1.35E+00	2.89E-01	6.14E-03	2.37E-01	1.14E-02	2.48E-01	6.48E-02	1.09E-02	7.57E-02	6.82E+02	4.79E-02	1.09E-01
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	264	1	25	1.17E-03	1.27E-01	2.71E-02	5.75E-04	2.22E-02	1.07E-03	2.32E-02	6.08E-03	1.02E-03	7.10E-03	6.39E+01	4.49E-03	1.02E-02
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	4185	16	25	1.83E-02	1.99E+00	4.33E-01	8.96E-03	3.51E-01	1.69E-02	3.68E-01	9.63E-02	1.61E-02	1.12E-01	9.96E+02	7.14E-02	1.59E-01
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	624	2	25	2.73E-03	2.97E-01	6.45E-02	1.34E-03	5.24E-02	2.52E-03	5.49E-02	1.44E-02	2.41E-03	1.68E-02	1.49E+02	1.06E-02	2.37E-02
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	4185	16	25	1.83E-02	1.99E+00	4.33E-01	8.96E-03	3.51E-01	1.69E-02	3.68E-01	9.63E-02	1.61E-02	1.12E-01	9.96E+02	7.14E-02	1.59E-01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	2191	8	25	9.59E-03	1.04E+00	2.27E-01	4.69E-03	1.84E-01	8.83E-03	1.93E-01	5.04E-02	8.45E-03	5.89E-02	5.22E+02	3.74E-02	8.31E-02
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	104	0	25	4.55E-04	4.95E-02	1.08E-02	2.23E-04	8.73E-03	4.19E-04	9.15E-03	2.39E-03	4.01E-04	2.79E-03	2.48E+01	1.77E-03	3.95E-03
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	7512	29	25	3.29E-02	3.58E+00	7.77E-01	1.61E-02	6.31E-01	3.03E-02	6.61E-01	1.73E-01	2.90E-02	2.02E-01	1.79E+03	1.28E-01	2.85E-01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	6260	24	25	2.74E-02	2.98E+00	6.47E-01	1.34E-02	5.26E-01	2.52E-02	5.51E-01	1.44E-01	2.41E-02	1.68E-01	1.49E+03	1.07E-01	2.37E-01
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	5008	19	25	2.17E-02	2.36E+00	5.21E-01	1.05E-02	4.21E-01	2.00E-02	4.41E-01	1.15E-01	1.92E-02	1.34E-01	1.17E+03	8.56E-02	1.87E-01
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	2635	10	25	1.14E-02	1.24E+00	2.74E-01	5.54E-03	2.21E-01	1.05E-02	2.32E-01	6.06E-02	1.01E-02	7.07E-02	6.17E+02	4.51E-02	9.83E-02
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	3442	13	25	1.49E-02	1.62E+00	3.58E-01	7.24E-03	2.89E-01	1.38E-02	3.03E-01	7.92E-02	1.32E-02	9.24E-02	8.06E+02	5.89E-02	1.28E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	3442	13	25	1.49E-02	1.62E+00	3.58E-01	7.24E-03	2.89E-01	1.38E-02	3.03E-01	7.92E-02	1.32E-02	9.24E-02	8.06E+02	5.89E-02	1.28E-01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	5848.5	22	25	2.54E-02	2.76E+00	6.08E-01	1.23E-02	4.91E-01	2.34E-02	5.15E-01	1.35E-01	2.24E-02	1.57E-01	1.37E+03	1.00E-01	2.18E-01
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	2191	8	25	9.50E-03	1.03E+00	2.28E-01	4.61E-03	1.84E-01	8.77E-03	1.93E-01	5.04E-02	8.39E-03	5.88E-02	5.13E+02	3.75E-02	8.18E-02
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	2556	10	25	1.11E-02	1.20E+00	2.66E-01	5.38E-03	2.15E-01	1.02E-02	2.25E-01	5.88E-02	9.79E-03	6.86E-02	5.98E+02	4.37E-02	9.54E-02
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	3756	14	25	1.63E-02	1.77E+00	3.91E-01	7.90E-03	3.15E-01	1.50E-02	3.30E-01	8.64E-02	1.44E-02	1.01E-01	8.79E+02	6.42E-02	1.40E-01
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	1408.5	5	25	6.11E-03	6.64E-01	1.46E-01	2.96E-03	1.18E-01	5.64E-03	1.24E-01	3.24E-02	5.39E-03	3.78E-02	3.30E+02	2.41E-02	5.26E-02

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
								MT/yr			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	1705	7	25	260	5.07E+01	3.39E-03	8.07E-03	5.32E+01
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	26	0	25	260	7.73E-01	5.17E-05	1.23E-04	8.11E-01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	25	260	1.86E+02	1.25E-02	2.96E-02	1.95E+02
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	7512	29	25	260	2.23E+02	1.50E-02	3.55E-02	2.34E+02
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	2191	8	25	260	6.51E+01	4.36E-03	1.04E-02	6.83E+01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	5008	19	25	260	1.49E+02	9.97E-03	2.37E-02	1.56E+02
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	528	2	25	260	1.57E+01	1.05E-03	2.50E-03	1.65E+01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	624	2	25	260	1.85E+01	1.24E-03	2.95E-03	1.95E+01
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	1705	7	25	260	4.96E+01	3.41E-03	7.91E-03	5.21E+01
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	52	0	25	260	1.51E+00	1.04E-04	2.41E-04	1.59E+00
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	25	260	1.82E+02	1.25E-02	2.90E-02	1.91E+02
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	25	260	2.19E+02	1.50E-02	3.48E-02	2.29E+02
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	7512	29	25	260	2.19E+02	1.50E-02	3.48E-02	2.29E+02
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	25	260	1.46E+02	1.00E-02	2.32E-02	1.53E+02
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	25	260	1.82E+01	1.25E-03	2.89E-03	1.91E+01
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	25	260	1.54E+01	1.05E-03	2.45E-03	1.61E+01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	2945	11	25	260	8.41E+01	5.90E-03	1.34E-02	8.83E+01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	26	0	25	260	7.43E-01	5.21E-05	1.18E-04	7.79E-01
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	3442	13	25	260	9.83E+01	6.90E-03	1.57E-02	1.03E+02
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	5848.5	22	25	260	1.67E+02	1.17E-02	2.66E-02	1.75E+02
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	25	260	6.26E+01	4.39E-03	9.97E-03	6.57E+01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	2556	10	25	260	7.30E+01	5.12E-03	1.16E-02	7.66E+01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	3756	14	25	260	1.07E+02	7.53E-03	1.71E-02	1.13E+02
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	3130	12	25	260	8.94E+01	6.28E-03	1.42E-02	9.38E+01
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	2816	11	25	260	8.04E+01	5.65E-03	1.28E-02	8.44E+01
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	264	1	25	260	7.54E+00	5.29E-04	1.20E-03	7.91E+00
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	4185	16	25	260	1.17E+02	8.42E-03	1.87E-02	1.23E+02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	624	2	25	260	1.75E+01	1.26E-03	2.79E-03	1.84E+01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	4185	16	25	260	1.17E+02	8.42E-03	1.87E-02	1.23E+02
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	2191	8	25	260	6.15E+01	4.41E-03	9.80E-03	6.45E+01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	104	0	25	260	2.92E+00	2.09E-04	4.65E-04	3.06E+00
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	7512	29	25	260	2.11E+02	1.51E-02	3.36E-02	2.21E+02
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	6260	24	25	260	1.76E+02	1.26E-02	2.80E-02	1.84E+02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	5008	19	25	260	1.38E+02	1.01E-02	2.20E-02	1.45E+02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	2635	10	25	260	7.27E+01	5.31E-03	1.16E-02	7.63E+01
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	3442	13	25	260	9.50E+01	6.94E-03	1.51E-02	9.97E+01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	3442	13	25	260	9.50E+01	6.94E-03	1.51E-02	9.97E+01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	5848.5	22	25	260	1.61E+02	1.18E-02	2.57E-02	1.69E+02
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	2191	8	25	260	6.05E+01	4.42E-03	9.64E-03	6.35E+01
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	2556	10	25	260	7.06E+01	5.15E-03	1.12E-02	7.40E+01
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	3756	14	25	260	1.04E+02	7.58E-03	1.65E-02	1.09E+02
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	1408.5	5	25	260	3.89E+01	2.84E-03	6.20E-03	4.08E+01

							Haul Running Emission Factors												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission Factor (g/trip)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	1705	7	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	26	0	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	0	0	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	7512	29	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	2191	8	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	5008	19	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	528	2	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	624	2	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	1705	7	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	52	0	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	7512	29	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	2945	11	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	26	0	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	3442	13	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	5848.5	22	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	2556	10	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	3756	14	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	3130	12	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	2816	11	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	264	1	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	4185	16	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	0	0	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	624	2	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	4185	16	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	2191	8	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	104	0	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	7512	29	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	6260	24	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	0	0	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	5008	19	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	0	0	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	2635	10	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	3442	13	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	3442	13	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	5848.5	22	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	2191	8	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	2556	10	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	3756	14	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	1408.5	5	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	1705	7	25	2.70E-06	1.72E-02	4.35E-05	3.62E-09	0.00E+00	3.84E-09	3.84E-09	0.00E+00	3.53E-09	3.53E-09	3.66E-04	2.65E-09	2.60E-08
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	26	0	25	4.12E-08	2.63E-04	6.63E-07	5.52E-11	0.00E+00	5.85E-11	5.85E-11	0.00E+00	5.38E-11	5.38E-11	5.58E-06	4.04E-11	3.97E-10
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	25	9.93E-06	6.33E-02	1.60E-04	1.33E-08	0.00E+00	1.41E-08	1.41E-08	0.00E+00	1.29E-08	1.29E-08	1.34E-03	9.73E-09	9.56E-08
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	7512	29	25	1.19E-05	7.60E-02	1.92E-04	1.60E-08	0.00E+00	1.69E-08	1.69E-08	0.00E+00	1.55E-08	1.55E-08	1.61E-03	1.17E-08	1.15E-07
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	2191	8	25	3.48E-06	2.22E-02	5.59E-05	4.65E-09	0.00E+00	4.93E-09	4.93E-09	0.00E+00	4.53E-09	4.53E-09	4.70E-04	3.40E-09	3.35E-08
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	5008	19	25	7.94E-06	5.07E-02	1.28E-04	1.06E-08	0.00E+00	1.13E-08	1.13E-08	0.00E+00	1.04E-08	1.04E-08	1.07E-03	7.78E-09	7.65E-08
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	528	2	25	8.38E-07	5.34E-03	1.35E-05	1.12E-09	0.00E+00	1.19E-09	1.19E-09	0.00E+00	1.09E-09	1.09E-09	1.13E-04	8.20E-10	8.06E-09
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	624	2	25	9.90E-07	6.31E-03	1.59E-05	1.33E-09	0.00E+00	1.40E-09	1.40E-09	0.00E+00	1.29E-09	1.29E-09	1.34E-04	9.70E-10	9.53E-09
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	1705	7	25	2.61E-06	1.72E-02	4.47E-05	3.67E-09	0.00E+00	3.88E-09	3.88E-09	0.00E+00	3.57E-09	3.57E-09	3.71E-04	2.59E-09	1.83E-08
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	52	0	25	7.97E-08	5.26E-04	1.36E-06	1.12E-10	0.00E+00	1.18E-10	1.18E-10	0.00E+00	1.09E-10	1.09E-10	1.13E-05	7.91E-11	5.58E-10
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	25	9.60E-06	6.33E-02	1.64E-04	1.35E-08	0.00E+00	1.43E-08	1.43E-08	0.00E+00	1.31E-08	1.31E-08	1.36E-03	9.52E-09	6.71E-08
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	25	1.15E-05	7.60E-02	1.97E-04	1.62E-08	0.00E+00	1.71E-08	1.71E-08	0.00E+00	1.57E-08	1.57E-08	1.63E-03	1.14E-08	8.06E-08
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	7512	29	25	1.15E-05	7.60E-02	1.97E-04	1.62E-08	0.00E+00	1.71E-08	1.71E-08	0.00E+00	1.57E-08	1.57E-08	1.63E-03	1.14E-08	8.06E-08
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	25	7.68E-06	5.07E-02	1.31E-04	1.08E-08	0.00E+00	1.14E-08	1.14E-08	0.00E+00	1.05E-08	1.05E-08	1.09E-03	7.62E-09	5.37E-08
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	25	9.56E-07	6.31E-03	1.64E-05	1.34E-09	0.00E+00	1.42E-09	1.42E-09	0.00E+00	1.31E-09	1.31E-09	1.36E-04	9.49E-10	6.69E-09
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	25	8.09E-07	5.34E-03	1.39E-05	1.14E-09	0.00E+00	1.20E-09	1.20E-09	0.00E+00	1.11E-09	1.11E-09	1.15E-04	8.03E-10	5.66E-09
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	2945	11	25	4.59E-06	2.98E-02	8.00E-05	6.46E-09	0.00E+00	7.01E-09	7.01E-09	0.00E+00	6.45E-09	6.45E-09	6.53E-04	4.49E-09	3.09E-08
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	26	0	25	4.06E-08	2.63E-04	7.06E-07	5.71E-11	0.00E+00	6.19E-11	6.19E-11	0.00E+00	5.69E-11	5.69E-11	5.77E-06	3.96E-11	2.73E-10
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	3442	13	25	5.37E-06	3.48E-02	9.35E-05	7.55E-09	0.00E+00	8.20E-09	8.20E-09	0.00E+00	7.54E-09	7.54E-09	7.63E-04	5.25E-09	3.62E-08
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	5848.5	22	25	9.12E-06	5.91E-02	1.59E-04	1.28E-08	0.00E+00	1.39E-08	1.39E-08	0.00E+00	1.28E-08	1.28E-08	1.30E-03	8.92E-09	6.14E-08
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	25	3.42E-06	2.22E-02	5.95E-05	4.81E-09	0.00E+00	5.22E-09	5.22E-09	0.00E+00	4.80E-09	4.80E-09	4.86E-04	3.34E-09	2.30E-08
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	2556	10	25	3.99E-06	2.58E-02	6.94E-05	5.61E-09	0.00E+00	6.09E-09	6.09E-09	0.00E+00	5.60E-09	5.60E-09	5.67E-04	3.90E-09	2.69E-08
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	3756	14	25	5.86E-06	3.80E-02	1.02E-04	8.24E-09	0.00E+00	8.95E-09	8.95E-09	0.00E+00	8.23E-09	8.23E-09	8.33E-04	5.73E-09	3.95E-08
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	3130	12	25	4.88E-06	3.16E-02	8.50E-05	6.87E-09	0.00E+00	7.45E-09	7.45E-09	0.00E+00	6.85E-09	6.85E-09	6.94E-04	4.77E-09	3.29E-08
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	2816	11	25	4.39E-06	2.85E-02	7.65E-05	6.18E-09	0.00E+00	6.71E-09	6.71E-09	0.00E+00	6.17E-09	6.17E-09	6.25E-04	4.29E-09	2.96E-08
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	264	1	25	4.12E-07	2.67E-03	7.17E-06	5.79E-10	0.00E+00	6.29E-10	6.29E-10	0.00E+00	5.78E-10	5.78E-10	5.85E-05	4.03E-10	2.77E-09
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	4185	16	25	6.71E-06	4.23E-02	1.17E-04	9.36E-09	0.00E+00	1.04E-08	1.04E-08	0.00E+00	9.56E-09	9.56E-09	9.46E-04	6.42E-09	3.52E-08
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	624	2	25	1.00E-06	6.31E-03	1.75E-05	1.40E-09	0.00E+00	1.55E-09	1.55E-09	0.00E+00	1.42E-09	1.42E-09	1.41E-04	9.58E-10	5.24E-09
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	4185	16	25	6.71E-06	4.23E-02	1.17E-04	9.36E-09	0.00E+00	1.04E-08	1.04E-08	0.00E+00	9.56E-09	9.56E-09	9.46E-04	6.42E-09	3.52E-08
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	2191	8	25	3.51E-06	2.22E-02	6.15E-05	4.90E-09	0.00E+00	5.44E-09	5.44E-09	0.00E+00	5.00E-09	5.00E-09	4.95E-04	3.36E-09	1.84E-08
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	104	0	25	1.67E-07	1.05E-03	2.92E-06	2.33E-10	0.00E+00	2.58E-10	2.58E-10	0.00E+00	2.37E-10	2.37E-10	2.35E-05	1.60E-10	8.74E-10
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	7512	29	25	1.20E-05	7.60E-02	2.11E-04	1.68E-08	0.00E+00	1.87E-08	1.87E-08	0.00E+00	1.72E-08	1.72E-08	1.70E-03	1.15E-08	6.31E-08
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	6260	24	25	1.00E-05	6.33E-02	1.76E-04	1.40E-08	0.00E+00	1.55E-08	1.55E-08	0.00E+00	1.43E-08	1.43E-08	1.42E-03	9.61E-09	5.26E-08
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	5008	19	25	8.26E-06	5.06E-02	1.45E-04	1.14E-08	0.00E+00	1.29E-08	1.29E-08	0.00E+00	1.18E-08	1.18E-08	1.15E-03	7.68E-09	2.91E-08
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	2635	10	25	4.35E-06	2.66E-02	7.60E-05	5.99E-09	0.00E+00	6.78E-09	6.78E-09	0.00E+00	6.23E-09	6.23E-09	6.05E-04	4.04E-09	1.53E-08
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	3442	13	25	5.68E-06	3.48E-02	9.93E-05	7.82E-09	0.00E+00	8.85E-09	8.85E-09	0.00E+00	8.14E-09	8.14E-09	7.90E-04	5.28E-09	2.00E-08
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	3442	13	25	5.68E-06	3.48E-02	9.93E-05	7.82E-09	0.00E+00	8.85E-09	8.85E-09	0.00E+00	8.14E-09	8.14E-09	7.90E-04	5.28E-09	2.00E-08
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	5848.5	22	25	9.65E-06	5.91E-02	1.69E-04	1.33E-08	0.00E+00	1.50E-08	1.50E-08	0.00E+00	1.38E-08	1.38E-08	1.34E-03	8.97E-09	3.39E-08
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	2191	8	25	3.62E-06	2.22E-02	6.32E-05	4.98E-09	0.00E+00	5.64E-09	5.64E-09	0.00E+00	5.18E-09	5.18E-09	5.03E-04	3.36E-09	1.27E-08
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	2556	10	25	4.22E-06	2.58E-02	7.38E-05	5.81E-09	0.00E+00	6.57E-09	6.57E-09	0.00E+00	6.04E-09	6.04E-09	5.87E-04	3.92E-09	1.48E-08
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	3756	14	25	6.20E-06	3.80E-02	1.08E-04	8.53E-09	0.00E+00	9.66E-09	9.66E-09	0.00E+00	8.88E-09	8.88E-09	8.62E-04	5.76E-09	2.18E-08
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	1408.5	5	25	2.32E-06	1.42E-02	4.06E-05	3.20E-09	0.00E+00	3.62E-09	3.62E-09	0.00E+00	3.33E-09	3.33E-09	3.23E-04	2.16E-09	8.17E-09

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
								MT/yr			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	1705	7	25	260	4.32E-05	3.12E-10	3.07E-09	4.41E-05
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	26	0	25	260	6.58E-07	4.76E-12	4.68E-11	6.72E-07
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	25	260	1.58E-04	1.15E-09	1.13E-08	1.62E-04
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	7512	29	25	260	1.90E-04	1.38E-09	1.35E-08	1.94E-04
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	2191	8	25	260	5.55E-05	4.01E-10	3.94E-09	5.66E-05
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	5008	19	25	260	1.27E-04	9.18E-10	9.02E-09	1.29E-04
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	528	2	25	260	1.34E-05	9.67E-11	9.51E-10	1.36E-05
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	624	2	25	260	1.58E-05	1.14E-10	1.12E-09	1.61E-05
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	1705	7	25	260	4.37E-05	3.06E-10	2.16E-09	4.44E-05
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	52	0	25	260	1.33E-06	9.33E-12	6.58E-11	1.35E-06
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	25	260	1.61E-04	1.12E-09	7.92E-09	1.63E-04
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	25	260	1.93E-04	1.35E-09	9.50E-09	1.96E-04
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	7512	29	25	260	1.93E-04	1.35E-09	9.50E-09	1.96E-04
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	25	260	1.28E-04	8.98E-10	6.34E-09	1.30E-04
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	25	260	1.60E-05	1.12E-10	7.89E-10	1.62E-05
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	25	260	1.35E-05	9.47E-11	6.68E-10	1.37E-05
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	2945	11	25	260	7.70E-05	5.30E-10	3.65E-09	7.81E-05
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	26	0	25	260	6.80E-07	4.68E-12	3.22E-11	6.90E-07
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	3442	13	25	260	9.00E-05	6.19E-10	4.26E-09	9.13E-05
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	5848.5	22	25	260	1.53E-04	1.05E-09	7.25E-09	1.55E-04
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	25	260	5.73E-05	3.94E-10	2.71E-09	5.81E-05
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	2556	10	25	260	6.69E-05	4.60E-10	3.17E-09	6.78E-05
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	3756	14	25	260	9.82E-05	6.75E-10	4.65E-09	9.96E-05
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	3130	12	25	260	8.19E-05	5.63E-10	3.88E-09	8.30E-05
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	2816	11	25	260	7.37E-05	5.06E-10	3.49E-09	7.47E-05
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	264	1	25	260	6.90E-06	4.75E-11	3.27E-10	7.00E-06
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	4185	16	25	260	1.12E-04	7.58E-10	4.15E-09	1.13E-04
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	624	2	25	260	1.66E-05	1.13E-10	6.18E-10	1.68E-05
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	4185	16	25	260	1.12E-04	7.58E-10	4.15E-09	1.13E-04
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	2191	8	25	260	5.84E-05	3.97E-10	2.17E-09	5.91E-05
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	104	0	25	260	2.77E-06	1.88E-11	1.03E-10	2.80E-06
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	7512	29	25	260	2.00E-04	1.36E-09	7.44E-09	2.03E-04
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	6260	24	25	260	1.67E-04	1.13E-09	6.20E-09	1.69E-04
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	5008	19	25	260	1.36E-04	9.06E-10	3.43E-09	1.37E-04
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	2635	10	25	260	7.13E-05	4.77E-10	1.80E-09	7.19E-05
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	3442	13	25	260	9.32E-05	6.23E-10	2.36E-09	9.39E-05
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	3442	13	25	260	9.32E-05	6.23E-10	2.36E-09	9.39E-05
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	5848.5	22	25	260	1.58E-04	1.06E-09	4.00E-09	1.60E-04
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	2191	8	25	260	5.93E-05	3.96E-10	1.50E-09	5.98E-05
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	2556	10	25	260	6.92E-05	4.62E-10	1.75E-09	6.97E-05
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	3756	14	25	260	1.02E-04	6.80E-10	2.57E-09	1.02E-04
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	1408.5	5	25	260	3.81E-05	2.55E-10	9.64E-10	3.84E-05

World Logistics Center-Construction Plots 11, 12, & 21,22 (2030-2034)-Unmitigated

South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	40,600.00	1000sqft	2,419.90	40,600,000.00	0
Parking Lot	123.60	Acre	123.60	5,384,016.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Construction Assumptions

Construction Phase - Project schedule

Construction Off-road Equipment Mitigation -

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tblOffRoadEquipment	UsageHours	8.00	10.00

tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2030	5.8171	23.8630	40.2815	0.1101	7.1176	0.7895	7.9071	2.4975	0.7895	3.2870	0.0000	10,535.7386	10,535.7386	0.4430	0.0000	10,546.8133
2031	4.7376	18.2855	36.0949	0.0935	5.1604	0.5804	5.7408	1.4217	0.5804	2.0021	0.0000	8,802.7029	8,802.7029	0.3550	0.0000	8,811.5778
2032	4.3775	16.8366	32.8984	0.0858	3.5933	0.5199	4.1131	1.2525	0.5199	1.7724	0.0000	8,100.6024	8,100.6024	0.3262	0.0000	8,108.7568
2033	3.1595	11.7537	27.7479	0.0626	1.0475	0.3361	1.3836	0.5454	0.3361	0.8814	0.0000	5,685.7977	5,685.7977	0.2280	0.0000	5,691.4976
2034	3.0717	11.3100	26.8165	0.0610	1.0735	0.3131	1.3866	0.5482	0.3131	0.8613	0.0000	5,546.5212	5,546.5212	0.2209	0.0000	5,552.0432
Maximum	**5.8171**	**23.8630**	**40.2815**	**0.1101**	**7.1176**	**0.7895**	**7.9071**	**2.4975**	**0.7895**	**3.2870**	**0.0000**	**10,535.7386**	**10,535.7386**	**0.4430**	**0.0000**	**10,546.8133**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2030	5.8171	23.8629	40.2815	0.1101	2.7759	0.7895	3.5654	0.9740	0.7895	1.7635	0.0000	10,535.7261	10,535.7261	0.4430	0.0000	10,546.8007
2031	4.7376	18.2855	36.0948	0.0935	2.0126	0.5804	2.5929	0.5545	0.5804	1.1348	0.0000	8,802.6925	8,802.6925	0.3550	0.0000	8,811.5673

2032	4.3775	16.8366	32.8984	0.0858	1.4014	0.5199	1.9212	0.4885	0.5199	1.0083	0.0000	8,100.5927	8,100.5927	0.3262	0.0000	8,108.7472
2033	3.1595	11.7537	27.7479	0.0626	0.4085	0.3361	0.7446	0.2127	0.3361	0.5487	0.0000	5,685.7910	5,685.7910	0.2280	0.0000	5,691.4908
2034	3.0717	11.3100	26.8165	0.0610	0.4187	0.3131	0.7318	0.2138	0.3131	0.5269	0.0000	5,546.5146	5,546.5146	0.2209	0.0000	5,552.0366
Maximum	**5.8171**	**23.8629**	**40.2815**	**0.1101**	**2.7759**	**0.7895**	**3.5654**	**0.9740**	**0.7895**	**1.7635**	**0.0000**	**10,535.7261**	**10,535.7261**	**0.4430**	**0.0000**	**10,546.8007**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**61.00**	**0.00**	**53.46**	**61.00**	**0.00**	**43.41**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
41	**1-1-2030**	**3-31-2030**	7.3385	7.3385
42	**4-1-2030**	**6-30-2030**	7.4200	7.4200
43	**7-1-2030**	**9-30-2030**	7.5015	7.5015
44	**10-1-2030**	**12-31-2030**	7.4200	7.4200
45	**1-1-2031**	**3-31-2031**	5.6925	5.6925
46	**4-1-2031**	**6-30-2031**	5.7558	5.7558
47	**7-1-2031**	**9-30-2031**	5.8190	5.8190
48	**10-1-2031**	**12-31-2031**	5.7558	5.7558
49	**1-1-2032**	**3-31-2032**	5.3035	5.3035
50	**4-1-2032**	**6-30-2032**	5.3035	5.3035
51	**7-1-2032**	**9-30-2032**	5.3618	5.3618
52	**10-1-2032**	**12-31-2032**	5.2453	5.2453
53	**1-1-2033**	**3-31-2033**	3.6873	3.6873
54	**4-1-2033**	**6-30-2033**	3.7283	3.7283
55	**7-1-2033**	**9-30-2033**	3.7693	3.7693
56	**10-1-2033**	**12-31-2033**	3.7283	3.7283
57	**1-1-2034**	**3-31-2034**	3.5559	3.5559
58	**4-1-2034**	**6-30-2034**	3.5954	3.5954
59	**7-1-2034**	**9-30-2034**	3.6349	3.6349
		Highest	7.5015	7.5015

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	165.9964	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758
Energy	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	35,527.5807	35,527.5807	1.3695	0.3465	35,665.0832
Waste						0.0000	0.0000		0.0000	0.0000	7,746.9471	0.0000	7,746.9471	457.8315	0.0000	19,192.7336
Water						0.0000	0.0000		0.0000	0.0000	2,978.6172	38,951.7603	41,930.3775	307.5407	7.5564	51,870.7141
Total	**166.4408**	**4.0447**	**3.9101**	**0.0243**		**0.3089**	**0.3089**		**0.3089**	**0.3089**	**10,725.5643**	**74,480.3517**	**85,205.9160**	**766.7442**	**7.9030**	**106,729.6066**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	165.9964	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758
Energy	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	35,527.5807	35,527.5807	1.3695	0.3465	35,665.0832
Waste						0.0000	0.0000		0.0000	0.0000	7,746.9471	0.0000	7,746.9471	457.8315	0.0000	19,192.7336
Water						0.0000	0.0000		0.0000	0.0000	2,978.6172	38,951.7603	41,930.3775	307.5407	7.5564	51,870.7141
Total	**166.4408**	**4.0447**	**3.9101**	**0.0243**		**0.3089**	**0.3089**		**0.3089**	**0.3089**	**10,725.5643**	**74,480.3517**	**85,205.9160**	**766.7442**	**7.9030**	**106,729.6066**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Plot 11 (2030) Mass Excavation	Grading	1/1/2030	12/30/2030	5	260	11
2	Plot 11 (2030) Finish Grading	Grading	1/1/2030	12/30/2030	5	260	12
3	Plot 11 (2030) Utilities	Trenching	1/1/2030	12/30/2030	5	260	13
4	Plot 11 (2030) Building-Concrete	Building Construction	1/1/2030	12/30/2030	5	260	14
5	Plot 11 (2030) Building-Wet Utilities	Building Construction	1/1/2030	12/30/2030	5	260	15
6	Plot 11 (2030) Building-Electrical	Building Construction	1/1/2030	12/30/2030	5	260	16
7	Plot 11 (2030) Building-Landscaping	Building Construction	1/1/2030	12/30/2030	5	260	17
8	Plot 11 (2030) Landscaping	Building Construction	1/1/2030	12/30/2030	5	260	18
9	Plot 11 (2030) Temporary Utilities	Building Construction	1/1/2030	12/30/2030	5	260	19
10	Plot 11 (2030) Curbing/Drive Approaches	Paving	1/1/2030	12/30/2030	5	260	20
11	Plot 11 (2030) Paving	Paving	1/1/2030	12/30/2030	5	260	21
12	Plot 11 (2031) Mass Excavation	Grading	1/1/2031	12/30/2031	5	260	22
13	Plot 11 (2031) Finish Grading	Grading	1/1/2031	12/30/2031	5	260	23
14	Plot 11 (2031) Utilities	Trenching	1/1/2031	12/30/2031	5	260	24
15	Plot 11 (2031) Building-Concrete	Building Construction	1/1/2031	12/30/2031	5	260	25
16	Plot 11 (2031) Building-Wet Utilities	Building Construction	1/1/2031	12/30/2031	5	260	26
17	Plot 11 (2031) Building-Electrical	Building Construction	1/1/2031	12/30/2031	5	260	27
18	Plot 11 (2031) Building-Landscaping	Building Construction	1/1/2031	12/30/2031	5	260	28
19	Plot 11 (2031) Landscaping	Building Construction	1/1/2031	12/30/2031	5	260	29
20	Plot 11 (2031) Temporary Utilities	Building Construction	1/1/2031	12/30/2031	5	260	30
21	Plot 11 (2031) Curbing/Drive Approaches	Paving	1/1/2031	12/30/2031	5	260	31
22	Plot 11 (2031) Paving	Paving	1/1/2031	12/30/2031	5	260	32
23	Plots 11 and 12 (2032) Mass Excavation	Grading	1/1/2032	12/29/2032	5	260	33
24	Plots 11 and 12 (2032) Finish Grading	Grading	1/1/2032	12/29/2032	5	260	34
25	Plots 11 and 12 (2032) Utilities	Trenching	1/1/2032	12/29/2032	5	260	35
26	Plots 11 and 12 (2032) Building-Concrete	Building Construction	1/1/2032	12/29/2032	5	260	36

27	Plots 11 and 12 (2032) Building-Wet Utilities	Building Construction	1/1/2032	12/29/2032	5	260	37
28	Plots 11 and 12 (2032) Building-Electrical	Building Construction	1/1/2032	12/29/2032	5	260	38
29	Plots 11 and 12 (2032) Building-Landscaping	Building Construction	1/1/2032	12/29/2032	5	260	39
30	Plots 11 and 12 (2032) Landscaping	Building Construction	1/1/2032	12/29/2032	5	260	40
31	Plots 11 and 12 (2032) Temporary Utilities	Building Construction	1/1/2032	12/29/2032	5	260	41
32	Plots 11 and 12 (2032) Curbing/Drive Approaches	Paving	1/1/2032	12/29/2032	5	260	42
33	Plots 11 and 12 (2032) Paving	Paving	1/1/2032	12/29/2032	5	260	43
34	Plot 12 (2033) Finish Grading	Grading	1/1/2033	12/30/2033	5	260	45
35	Plot 12 (2033) Utilities	Trenching	1/1/2033	12/30/2033	5	260	46
36	Plot 12 (2033) Building-Concrete	Building Construction	1/1/2033	12/30/2033	5	260	47
37	Plot 12 (2033) Building-Wet Utilities	Building Construction	1/1/2033	12/30/2033	5	260	48
38	Plot 12 (2033) Building-Electrical	Building Construction	1/1/2033	12/30/2033	5	260	49
39	Plot 12 (2033) Building-Landscaping	Building Construction	1/1/2033	12/30/2033	5	260	50
40	Plot 12 (2033) Landscaping	Building Construction	1/1/2033	12/30/2033	5	260	51
41	Plot 12 (2033) Temporary Utilities	Building Construction	1/1/2033	12/30/2033	5	260	52
42	Plot 12 (2033) Curbing/Drive Approaches	Paving	1/1/2033	12/30/2033	5	260	53
43	Plot 12 (2033) Paving	Paving	1/1/2033	12/30/2033	5	260	54
44	Plots 12 and 21,22 (2034) Finish Grading	Grading	1/1/2034	12/31/2034	5	260	56
45	Plots 12 and 21,22 (2034) Utilities	Trenching	1/1/2034	12/31/2034	5	260	57
46	Plots 12 and 21,22 (2034) Building-Concrete	Building Construction	1/1/2034	12/31/2034	5	260	58
47	Plots 12 and 21,22 (2034) Building-Wet Utilities	Building Construction	1/1/2034	12/31/2034	5	260	59
48	Plots 12 and 21,22 (2034) Building-Electrical	Building Construction	1/1/2034	12/31/2034	5	260	60
49	Plots 12 and 21,22 (2034) Building-Landscaping	Building Construction	1/1/2034	12/29/2034	5	260	61
50	Plots 12 and 21,22 (2034) Landscaping	Building Construction	1/1/2034	12/29/2034	5	260	62
51	Plots 12 and 21,22 (2034) Temporary Utilities	Building Construction	1/1/2034	12/29/2034	5	260	63
52	Plots 12 and 21,22 (2034) Curbing/Drive Approaches	Paving	1/1/2034	12/29/2034	5	260	64
53	Plots 12 and 21,22 (2034) Paving	Paving	1/1/2034	12/29/2034	5	260	65

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 123.6

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Plot 11 (2030) Mass Excavation	Graders	1	10.00	193	0.41
Plot 11 (2030) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plot 11 (2030) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2030) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2030) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 11 (2030) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 11 (2030) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plot 11 (2030) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plot 11 (2030) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plot 11 (2030) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plot 11 (2030) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plot 11 (2030) Mass Excavation	Rubber Tired Dozers	1	10.00	85	0.40
Plot 11 (2030) Mass Excavation	Scrapers	6	10.00	550	0.48
Plot 11 (2030) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2030) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2030) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2030) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plot 11 (2030) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plot 11 (2030) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2030) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 11 (2030) Utilities	Excavators	1	10.00	523	0.38
Plot 11 (2030) Utilities	Excavators	5	10.00	286	0.38
Plot 11 (2030) Utilities	Excavators	1	10.00	190	0.38
Plot 11 (2030) Utilities	Excavators	2	10.00	396	0.38
Plot 11 (2030) Utilities	Excavators	1	10.00	190	0.38
Plot 11 (2030) Utilities	Excavators	1	10.00	188	0.38
Plot 11 (2030) Utilities	Excavators	4	10.00	40	0.38
Plot 11 (2030) Utilities	Forklifts	2	10.00	89	0.20

Plot 11 (2030) Utilities	Other Material Handling Equipment	4	1.00	167	0.40
Plot 11 (2030) Utilities	Other Material Handling Equipment	10	1.00	167	0.40
Plot 11 (2030) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2030) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2030) Building-Concrete	Cement and Mortar Mixers	10	1.00	9	0.56
Plot 11 (2030) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2030) Building-Concrete	Pumps	1	10.00	84	0.74
Plot 11 (2030) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2030) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plot 11 (2030) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plot 11 (2030) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plot 11 (2030) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 11 (2030) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plot 11 (2030) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plot 11 (2030) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 11 (2030) Building-Electrical	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 11 (2030) Building-Electrical	Excavators	4	10.00	40	0.38
Plot 11 (2030) Building-Electrical	Forklifts	2	10.00	89	0.20
Plot 11 (2030) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2030) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2030) Building-Landscaping	Excavators	1	10.00	29	0.38
Plot 11 (2030) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plot 11 (2030) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 11 (2030) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 11 (2030) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 11 (2030) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 11 (2030) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 11 (2030) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 11 (2030) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plot 11 (2030) Landscaping	Excavators	1	10.00	29	0.38
Plot 11 (2030) Landscaping	Forklifts	1	10.00	125	0.20
Plot 11 (2030) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40

Plot 11 (2030) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plot 11 (2030) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 11 (2030) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 11 (2030) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 11 (2030) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 11 (2030) Landscaping	Trenchers	1	10.00	39	0.50
Plot 11 (2030) Temporary Utilities	Cranes	1	10.00	445	0.29
Plot 11 (2030) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plot 11 (2030) Curbing/Drive Approaches	Other Material Handling Equipment	2	1.00	167	0.40
Plot 11 (2030) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2030) Paving	Pavers	1	10.00	126	0.42
Plot 11 (2030) Paving	Paving Equipment	1	10.00	131	0.36
Plot 11 (2030) Paving	Plate Compactors	1	10.00	8	0.43
Plot 11 (2030) Paving	Rollers	1	10.00	81	0.38
Plot 11 (2030) Paving	Scrapers	1	10.00	362	0.48
Plot 11 (2030) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37
Plot 11 (2031) Mass Excavation	Graders	1	10.00	193	0.41
Plot 11 (2031) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plot 11 (2031) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2031) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2031) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 11 (2031) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 11 (2031) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plot 11 (2031) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plot 11 (2031) Mass Excavation	Rubber Tired Dozers	1	10.00	85	0.40
Plot 11 (2031) Mass Excavation	Scrapers	6	10.00	550	0.48
Plot 11 (2031) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2031) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2031) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2031) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plot 11 (2031) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plot 11 (2031) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37

Plot 11 (2031) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 11 (2031) Utilities	Excavators	1	10.00	523	0.38
Plot 11 (2031) Utilities	Excavators	5	10.00	286	0.38
Plot 11 (2031) Utilities	Excavators	1	10.00	190	0.38
Plot 11 (2031) Utilities	Excavators	2	10.00	396	0.38
Plot 11 (2031) Utilities	Excavators	1	10.00	190	0.38
Plot 11 (2031) Utilities	Excavators	1	10.00	188	0.38
Plot 11 (2031) Utilities	Excavators	4	10.00	40	0.38
Plot 11 (2031) Utilities	Forklifts	2	10.00	89	0.20
Plot 11 (2031) Utilities	Other Material Handling Equipment	4	1.00	167	0.40
Plot 11 (2031) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 11 (2031) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2031) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2031) Building-Concrete	Cement and Mortar Mixers	10	1.00	9	0.56
Plot 11 (2031) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2031) Building-Concrete	Pumps	1	10.00	84	0.74
Plot 11 (2031) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2031) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plot 11 (2031) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plot 11 (2031) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plot 11 (2031) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 11 (2031) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plot 11 (2031) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plot 11 (2031) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 11 (2031) Building-Electrical	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 11 (2031) Building-Electrical	Excavators	4	10.00	40	0.38
Plot 11 (2031) Building-Electrical	Forklifts	2	10.00	89	0.20
Plot 11 (2031) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2031) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2031) Building-Landscaping	Excavators	1	10.00	29	0.38
Plot 11 (2031) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plot 11 (2031) Building-Landscaping	Other Material Handling Equipment	1	1.00	167	0.40

Plot 11 (2031) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 11 (2031) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 11 (2031) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 11 (2031) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 11 (2031) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 11 (2031) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plot 11 (2031) Landscaping	Excavators	1	10.00	29	0.38
Plot 11 (2031) Landscaping	Forklifts	1	10.00	125	0.20
Plot 11 (2031) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2031) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plot 11 (2031) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 11 (2031) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 11 (2031) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 11 (2031) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 11 (2031) Landscaping	Trenchers	1	10.00	39	0.50
Plot 11 (2031) Temporary Utilities	Cranes	1	10.00	445	0.29
Plot 11 (2031) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plot 11 (2031) Curbing/Drive Approaches	Other Material Handling Equipment	2	1.00	167	0.40
Plot 11 (2031) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plot 11 (2031) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plot 11 (2031) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plot 11 (2031) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2031) Paving	Pavers	1	10.00	126	0.42
Plot 11 (2031) Paving	Paving Equipment	1	10.00	131	0.36
Plot 11 (2031) Paving	Plate Compactors	1	10.00	8	0.43
Plot 11 (2031) Paving	Rollers	1	10.00	81	0.38
Plot 11 (2031) Paving	Scrapers	1	10.00	362	0.48
Plot 11 (2031) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37
Plots 11 and 12 (2032) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plots 11 and 12 (2032) Mass Excavation	Rubber Tired Dozers	1	10.00	85	0.40
Plots 11 and 12 (2032) Mass Excavation	Scrapers	6	10.00	550	0.48
Plots 11 and 12 (2032) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40

Plots 11 and 12 (2032) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 12 (2032) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plots 11 and 12 (2032) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plots 11 and 12 (2032) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 11 and 12 (2032) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plots 11 and 12 (2032) Utilities	Excavators	1	10.00	523	0.38
Plots 11 and 12 (2032) Utilities	Excavators	5	10.00	286	0.38
Plots 11 and 12 (2032) Utilities	Excavators	1	10.00	190	0.38
Plots 11 and 12 (2032) Utilities	Excavators	2	10.00	396	0.38
Plots 11 and 12 (2032) Utilities	Excavators	1	10.00	190	0.38
Plots 11 and 12 (2032) Utilities	Excavators	1	10.00	188	0.38
Plots 11 and 12 (2032) Utilities	Excavators	4	10.00	40	0.38
Plots 11 and 12 (2032) Utilities	Forklifts	2	10.00	89	0.20
Plots 11 and 12 (2032) Utilities	Other Material Handling Equipment	2	1.00	167	0.40
Plots 11 and 12 (2032) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 11 and 12 (2032) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 11 and 12 (2032) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 11 and 12 (2032) Building-Concrete	Cement and Mortar Mixers	10	1.00	9	0.56
Plots 11 and 12 (2032) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 12 (2032) Building-Concrete	Pumps	1	10.00	84	0.74
Plots 11 and 12 (2032) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 11 and 12 (2032) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plots 11 and 12 (2032) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plots 11 and 12 (2032) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plots 11 and 12 (2032) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 11 and 12 (2032) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plots 11 and 12 (2032) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plots 11 and 12 (2032) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 11 and 12 (2032) Building-Electrical	Cement and Mortar Mixers	4	1.00	9	0.56
Plots 11 and 12 (2032) Building-Electrical	Excavators	4	10.00	40	0.38
Plots 11 and 12 (2032) Building-Electrical	Forklifts	2	10.00	89	0.20
Plots 11 and 12 (2032) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40

Plots 11 and 12 (2032) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 11 and 12 (2032) Building-Landscaping	Excavators	1	10.00	29	0.38
Plots 11 and 12 (2032) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plots 11 and 12 (2032) Building-Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 12 (2032) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 11 and 12 (2032) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 11 and 12 (2032) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 11 and 12 (2032) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 11 and 12 (2032) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 11 and 12 (2032) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plots 11 and 12 (2032) Landscaping	Excavators	1	10.00	29	0.38
Plots 11 and 12 (2032) Landscaping	Forklifts	1	10.00	125	0.20
Plots 11 and 12 (2032) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 12 (2032) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plots 11 and 12 (2032) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 11 and 12 (2032) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 11 and 12 (2032) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 11 and 12 (2032) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 11 and 12 (2032) Landscaping	Trenchers	1	10.00	39	0.50
Plots 11 and 12 (2032) Temporary Utilities	Cranes	1	10.00	445	0.29
Plots 11 and 12 (2032) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plots 11 and 12 (2032) Curbing/Drive Approaches	Other Material Handling Equipment	2	1.00	167	0.40
Plots 11 and 12 (2032) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plots 11 and 12 (2032) Paving	Pavers	1	10.00	126	0.42
Plots 11 and 12 (2032) Paving	Paving Equipment	1	10.00	131	0.36
Plots 11 and 12 (2032) Paving	Plate Compactors	1	10.00	8	0.43
Plots 11 and 12 (2032) Paving	Rollers	1	10.00	81	0.38
Plots 11 and 12 (2032) Paving	Scrapers	1	10.00	362	0.48
Plots 11 and 12 (2032) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37
Plot 12 (2033) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 12 (2033) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 12 (2033) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40

Plot 12 (2033) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plot 12 (2033) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 12 (2033) Utilities	Excavators	1	10.00	523	0.38
Plot 12 (2033) Utilities	Excavators	5	10.00	286	0.38
Plot 12 (2033) Utilities	Excavators	1	10.00	190	0.38
Plot 12 (2033) Utilities	Excavators	2	10.00	396	0.38
Plot 12 (2033) Utilities	Excavators	1	10.00	190	0.38
Plot 12 (2033) Utilities	Excavators	1	10.00	188	0.38
Plot 12 (2033) Utilities	Excavators	4	10.00	40	0.38
Plot 12 (2033) Utilities	Forklifts	2	10.00	89	0.20
Plot 12 (2033) Utilities	Other Material Handling Equipment	2	1.00	167	0.40
Plot 12 (2033) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 12 (2033) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 12 (2033) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 12 (2033) Building-Concrete	Cement and Mortar Mixers	10	1.00	9	0.56
Plot 12 (2033) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plot 12 (2033) Building-Concrete	Pumps	1	10.00	84	0.74
Plot 12 (2033) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 12 (2033) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plot 12 (2033) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plot 12 (2033) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plot 12 (2033) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 12 (2033) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plot 12 (2033) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plot 12 (2033) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 12 (2033) Building-Electrical	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 12 (2033) Building-Electrical	Excavators	4	10.00	40	0.38
Plot 12 (2033) Building-Electrical	Forklifts	2	10.00	89	0.20
Plot 12 (2033) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plot 12 (2033) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 12 (2033) Building-Landscaping	Excavators	1	10.00	29	0.38
Plot 12 (2033) Building-Landscaping	Forklifts	1	10.00	125	0.20

Plot 12 (2033) Building-Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plot 12 (2033) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 12 (2033) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 12 (2033) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 12 (2033) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 12 (2033) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 12 (2033) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plot 12 (2033) Landscaping	Excavators	1	10.00	29	0.38
Plot 12 (2033) Landscaping	Forklifts	1	10.00	125	0.20
Plot 12 (2033) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plot 12 (2033) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plot 12 (2033) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 12 (2033) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 12 (2033) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 12 (2033) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 12 (2033) Landscaping	Trenchers	1	10.00	39	0.50
Plot 12 (2033) Temporary Utilities	Cranes	1	10.00	445	0.29
Plot 12 (2033) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plot 12 (2033) Curbing/Drive Approaches	Other Material Handling Equipment	2	1.00	167	0.40
Plot 12 (2033) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plot 12 (2033) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plot 12 (2033) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plot 12 (2033) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plot 12 (2033) Paving	Pavers	1	10.00	126	0.42
Plot 12 (2033) Paving	Paving Equipment	1	10.00	131	0.36
Plot 12 (2033) Paving	Plate Compactors	1	10.00	8	0.43
Plot 12 (2033) Paving	Rollers	1	10.00	81	0.38
Plot 12 (2033) Paving	Scrapers	1	10.00	362	0.48
Plot 12 (2033) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37
Plots 12 and 21,22 (2034) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 12 and 21,22 (2034) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 12 and 21,22 (2034) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40

Plots 12 and 21,22 (2034) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plots 12 and 21,22 (2034) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 12 and 21,22 (2034) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plots 12 and 21,22 (2034) Utilities	Excavators	1	10.00	523	0.38
Plots 12 and 21,22 (2034) Utilities	Excavators	5	10.00	286	0.38
Plots 12 and 21,22 (2034) Utilities	Excavators	1	10.00	190	0.38
Plots 12 and 21,22 (2034) Utilities	Excavators	2	10.00	396	0.38
Plots 12 and 21,22 (2034) Utilities	Excavators	1	10.00	190	0.38
Plots 12 and 21,22 (2034) Utilities	Excavators	1	10.00	188	0.38
Plots 12 and 21,22 (2034) Utilities	Excavators	4	10.00	40	0.38
Plots 12 and 21,22 (2034) Utilities	Forklifts	2	10.00	89	0.20
Plots 12 and 21,22 (2034) Utilities	Other Material Handling Equipment	1	1.00	167	0.40
Plots 12 and 21,22 (2034) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 12 and 21,22 (2034) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 12 and 21,22 (2034) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 12 and 21,22 (2034) Building-Concrete	Cement and Mortar Mixers	5	1.00	9	0.56
Plots 12 and 21,22 (2034) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plots 12 and 21,22 (2034) Building-Concrete	Pumps	1	10.00	84	0.74
Plots 12 and 21,22 (2034) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 12 and 21,22 (2034) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plots 12 and 21,22 (2034) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plots 12 and 21,22 (2034) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plots 12 and 21,22 (2034) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 12 and 21,22 (2034) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plots 12 and 21,22 (2034) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plots 12 and 21,22 (2034) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 12 and 21,22 (2034) Building-Electrical	Cement and Mortar Mixers	4	1.00	9	0.56
Plots 12 and 21,22 (2034) Building-Electrical	Excavators	4	10.00	40	0.38
Plots 12 and 21,22 (2034) Building-Electrical	Forklifts	2	10.00	89	0.20
Plots 12 and 21,22 (2034) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plots 12 and 21,22 (2034) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 12 and 21,22 (2034) Building-Landscaping	Excavators	1	10.00	29	0.38

Plots 12 and 21,22 (2034) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plots 12 and 21,22 (2034) Building-Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plots 12 and 21,22 (2034) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 12 and 21,22 (2034) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 12 and 21,22 (2034) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 12 and 21,22 (2034) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 12 and 21,22 (2034) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 12 and 21,22 (2034) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plots 12 and 21,22 (2034) Landscaping	Excavators	1	10.00	29	0.38
Plots 12 and 21,22 (2034) Landscaping	Forklifts	1	10.00	125	0.20
Plots 12 and 21,22 (2034) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plots 12 and 21,22 (2034) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plots 12 and 21,22 (2034) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 12 and 21,22 (2034) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 12 and 21,22 (2034) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 12 and 21,22 (2034) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 12 and 21,22 (2034) Landscaping	Trenchers	1	10.00	39	0.50
Plots 12 and 21,22 (2034) Temporary Utilities	Cranes	1	10.00	445	0.29
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plots 12 and 21,22 (2034) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plots 12 and 21,22 (2034) Paving	Pavers	1	10.00	126	0.42
Plots 12 and 21,22 (2034) Paving	Paving Equipment	1	10.00	131	0.36
Plots 12 and 21,22 (2034) Paving	Plate Compactors	1	10.00	8	0.43
Plots 12 and 21,22 (2034) Paving	Rollers	1	10.00	81	0.38
Plots 12 and 21,22 (2034) Paving	Scrapers	1	10.00	362	0.48
Plots 12 and 21,22 (2034) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Plot 11 (2030) Mass Excavation - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.0181	0.0000	6.0181	1.9466	0.0000	1.9466	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7069	12.4250	12.9283	0.0482		0.4709	0.4709		0.4709	0.4709	0.0000	4,906.5322	4,906.5322	0.2191	0.0000	4,912.0092
Total	**2.7069**	**12.4250**	**12.9283**	**0.0482**	**6.0181**	**0.4709**	**6.4890**	**1.9466**	**0.4709**	**2.4175**	**0.0000**	**4,906.5322**	**4,906.5322**	**0.2191**	**0.0000**	**4,912.0092**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3471	0.0000	2.3471	0.7592	0.0000	0.7592	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7069	12.4250	12.9282	0.0482		0.4709	0.4709		0.4709	0.4709	0.0000	4,906.5263	4,906.5263	0.2191	0.0000	4,912.0033
Total	**2.7069**	**12.4250**	**12.9282**	**0.0482**	**2.3471**	**0.4709**	**2.8180**	**0.7592**	**0.4709**	**1.2301**	**0.0000**	**4,906.5263**	**4,906.5263**	**0.2191**	**0.0000**	**4,912.0033**

3.3 Plot 11 (2030) Finish Grading - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Fugitive Dust					1.0995	0.0000	1.0995	0.5510	0.0000	0.5510	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0968	0.4973	1.0230	1.7300e-003		0.0216	0.0216		0.0216	0.0216	0.0000	148.9546	148.9546	7.7200e-003	0.0000	149.1475
Total	**0.0968**	**0.4973**	**1.0230**	**1.7300e-003**	**1.0995**	**0.0216**	**1.1211**	**0.5510**	**0.0216**	**0.5726**	**0.0000**	**148.9546**	**148.9546**	**7.7200e-003**	**0.0000**	**149.1475**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4288	0.0000	0.4288	0.2149	0.0000	0.2149	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0968	0.4973	1.0230	1.7300e-003		0.0216	0.0216		0.0216	0.0216	0.0000	148.9544	148.9544	7.7200e-003	0.0000	149.1474
Total	**0.0968**	**0.4973**	**1.0230**	**1.7300e-003**	**0.4288**	**0.0216**	**0.4504**	**0.2149**	**0.0216**	**0.2365**	**0.0000**	**148.9544**	**148.9544**	**7.7200e-003**	**0.0000**	**149.1474**

3.4 Plot 11 (2030) Utilities - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0544	3.2881	7.9375	0.0250		0.0891	0.0891		0.0891	0.0891	0.0000	2,387.0647	2,387.0647	0.0850	0.0000	2,389.1890
Total	**1.0544**	**3.2881**	**7.9375**	**0.0250**		**0.0891**	**0.0891**		**0.0891**	**0.0891**	**0.0000**	**2,387.0647**	**2,387.0647**	**0.0850**	**0.0000**	**2,389.1890**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0544	3.2881	7.9375	0.0250		0.0891	0.0891		0.0891	0.0891	0.0000	2,387.0619	2,387.0619	0.0850	0.0000	2,389.1862
Total	**1.0544**	**3.2881**	**7.9375**	**0.0250**		**0.0891**	**0.0891**		**0.0891**	**0.0891**	**0.0000**	**2,387.0619**	**2,387.0619**	**0.0850**	**0.0000**	**2,389.1862**

3.5 Plot 11 (2030) Building-Concrete - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1520	0.9881	2.1283	3.5900e-003		0.0207	0.0207		0.0207	0.0207	0.0000	305.9767	305.9767	0.0122	0.0000	306.2808
Total	**0.1520**	**0.9881**	**2.1283**	**3.5900e-003**		**0.0207**	**0.0207**		**0.0207**	**0.0207**	**0.0000**	**305.9767**	**305.9767**	**0.0122**	**0.0000**	**306.2808**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1520	0.9881	2.1283	3.5900e-003		0.0207	0.0207		0.0207	0.0207	0.0000	305.9764	305.9764	0.0122	0.0000	306.2804

Total	**0.1520**	**0.9881**	**2.1283**	**3.5900e-003**		**0.0207**	**0.0207**		**0.0207**	**0.0207**	**0.0000**	**305.9764**	**305.9764**	**0.0122**	**0.0000**	**306.2804**

3.6 Plot 11 (2030) Building-Wet Utilities - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4310	1.6475	5.2229	0.0108		0.0496	0.0496		0.0496	0.0496	0.0000	957.6770	957.6770	0.0344	0.0000	958.5357
Total	**0.4310**	**1.6475**	**5.2229**	**0.0108**		**0.0496**	**0.0496**		**0.0496**	**0.0496**	**0.0000**	**957.6770**	**957.6770**	**0.0344**	**0.0000**	**958.5357**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4310	1.6475	5.2229	0.0108		0.0496	0.0496		0.0496	0.0496	0.0000	957.6759	957.6759	0.0344	0.0000	958.5346
Total	**0.4310**	**1.6475**	**5.2229**	**0.0108**		**0.0496**	**0.0496**		**0.0496**	**0.0496**	**0.0000**	**957.6759**	**957.6759**	**0.0344**	**0.0000**	**958.5346**

3.7 Plot 11 (2030) Building-Electrical - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2541	1.4306	2.9391	4.5100e-003		0.0228	0.0228		0.0228	0.0228	0.0000	371.8412	371.8412	0.0205	0.0000	372.3528
Total	**0.2541**	**1.4306**	**2.9391**	**4.5100e-003**		**0.0228**	**0.0228**		**0.0228**	**0.0228**	**0.0000**	**371.8412**	**371.8412**	**0.0205**	**0.0000**	**372.3528**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2541	1.4306	2.9391	4.5100e-003		0.0228	0.0228		0.0228	0.0228	0.0000	371.8408	371.8408	0.0205	0.0000	372.3523
Total	**0.2541**	**1.4306**	**2.9391**	**4.5100e-003**		**0.0228**	**0.0228**		**0.0228**	**0.0228**	**0.0000**	**371.8408**	**371.8408**	**0.0205**	**0.0000**	**372.3523**

3.8 Plot 11 (2030) Building-Landscaping - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1926	0.8876	2.3166	3.8200e-003		0.0241	0.0241		0.0241	0.0241	0.0000	321.0480	321.0480	0.0154	0.0000	321.4337
Total	**0.1926**	**0.8876**	**2.3166**	**3.8200e-003**		**0.0241**	**0.0241**		**0.0241**	**0.0241**	**0.0000**	**321.0480**	**321.0480**	**0.0154**	**0.0000**	**321.4337**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1926	0.8876	2.3166	3.8200e-003		0.0241	0.0241		0.0241	0.0241	0.0000	321.0476	321.0476	0.0154	0.0000	321.4333
Total	**0.1926**	**0.8876**	**2.3166**	**3.8200e-003**		**0.0241**	**0.0241**		**0.0241**	**0.0241**	**0.0000**	**321.0476**	**321.0476**	**0.0154**	**0.0000**	**321.4333**

3.9 Plot 11 (2030) Landscaping - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2010	0.9121	2.4446	4.0500e-003		0.0251	0.0251		0.0251	0.0251	0.0000	340.7885	340.7885	0.0161	0.0000	341.1906
Total	**0.2010**	**0.9121**	**2.4446**	**4.0500e-003**		**0.0251**	**0.0251**		**0.0251**	**0.0251**	**0.0000**	**340.7885**	**340.7885**	**0.0161**	**0.0000**	**341.1906**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.2010	0.9121	2.4446	4.0500e-003		0.0251	0.0251		0.0251	0.0251	0.0000	340.7881	340.7881	0.0161	0.0000	341.1902
Total	**0.2010**	**0.9121**	**2.4446**	**4.0500e-003**		**0.0251**	**0.0251**		**0.0251**	**0.0251**	**0.0000**	**340.7881**	**340.7881**	**0.0161**	**0.0000**	**341.1902**

3.10 Plot 11 (2030) Temporary Utilities - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0821	0.2578	0.4032	1.8500e-003		8.5100e-003	8.5100e-003		8.5100e-003	8.5100e-003	0.0000	190.6814	190.6814	6.7100e-003	0.0000	190.8491
Total	**0.0821**	**0.2578**	**0.4032**	**1.8500e-003**		**8.5100e-003**	**8.5100e-003**		**8.5100e-003**	**8.5100e-003**	**0.0000**	**190.6814**	**190.6814**	**6.7100e-003**	**0.0000**	**190.8491**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0821	0.2578	0.4032	1.8500e-003		8.5100e-003	8.5100e-003		8.5100e-003	8.5100e-003	0.0000	190.6811	190.6811	6.7100e-003	0.0000	190.8489
Total	**0.0821**	**0.2578**	**0.4032**	**1.8500e-003**		**8.5100e-003**	**8.5100e-003**		**8.5100e-003**	**8.5100e-003**	**0.0000**	**190.6811**	**190.6811**	**6.7100e-003**	**0.0000**	**190.8489**

3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0113	0.0425	0.1430	2.6000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003	0.0000	21.9745	21.9745	8.9000e-004	0.0000	21.9968
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1732**	**0.0425**	**0.1430**	**2.6000e-004**		**1.7700e-003**	**1.7700e-003**		**1.7700e-003**	**1.7700e-003**	**0.0000**	**21.9745**	**21.9745**	**8.9000e-004**	**0.0000**	**21.9968**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0113	0.0425	0.1430	2.6000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003	0.0000	21.9745	21.9745	8.9000e-004	0.0000	21.9968
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1732**	**0.0425**	**0.1430**	**2.6000e-004**		**1.7700e-003**	**1.7700e-003**		**1.7700e-003**	**1.7700e-003**	**0.0000**	**21.9745**	**21.9745**	**8.9000e-004**	**0.0000**	**21.9968**

3.12 Plot 11 (2030) Paving - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3111	1.4863	2.7952	6.3100e-003		0.0554	0.0554		0.0554	0.0554	0.0000	583.1998	583.1998	0.0251	0.0000	583.8280
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	**0.4731**	**1.4863**	**2.7952**	**6.3100e-003**		**0.0554**	**0.0554**		**0.0554**	**0.0554**	**0.0000**	**583.1998**	**583.1998**	**0.0251**	**0.0000**	**583.8280**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3111	1.4863	2.7952	6.3100e-003		0.0554	0.0554		0.0554	0.0554	0.0000	583.1991	583.1991	0.0251	0.0000	583.8273
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.4731**	**1.4863**	**2.7952**	**6.3100e-003**		**0.0554**	**0.0554**		**0.0554**	**0.0554**	**0.0000**	**583.1991**	**583.1991**	**0.0251**	**0.0000**	**583.8273**

3.13 Plot 11 (2031) Mass Excavation - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.0609	0.0000	4.0609	0.8707	0.0000	0.8707	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5451	6.3610	7.8851	0.0302		0.2406	0.2406		0.2406	0.2406	0.0000	3,050.6950	3,050.6950	0.1244	0.0000	3,053.8044
Total	**1.5451**	**6.3610**	**7.8851**	**0.0302**	**4.0609**	**0.2406**	**4.3015**	**0.8707**	**0.2406**	**1.1113**	**0.0000**	**3,050.6950**	**3,050.6950**	**0.1244**	**0.0000**	**3,053.8044**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Fugitive Dust					1.5838	0.0000	1.5838	0.3396	0.0000	0.3396	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5451	6.3610	7.8851	0.0302		0.2406	0.2406		0.2406	0.2406	0.0000	3,050.6913	3,050.6913	0.1244	0.0000	3,053.8008
Total	**1.5451**	**6.3610**	**7.8851**	**0.0302**	**1.5838**	**0.2406**	**1.8243**	**0.3396**	**0.2406**	**0.5801**	**0.0000**	**3,050.6913**	**3,050.6913**	**0.1244**	**0.0000**	**3,053.8008**

3.14 Plot 11 (2031) Finish Grading - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0995	0.0000	1.0995	0.5510	0.0000	0.5510	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0968	0.4973	1.0230	1.7300e-003		0.0216	0.0216		0.0216	0.0216	0.0000	148.9546	148.9546	7.7200e-003	0.0000	149.1475
Total	**0.0968**	**0.4973**	**1.0230**	**1.7300e-003**	**1.0995**	**0.0216**	**1.1211**	**0.5510**	**0.0216**	**0.5726**	**0.0000**	**148.9546**	**148.9546**	**7.7200e-003**	**0.0000**	**149.1475**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4288	0.0000	0.4288	0.2149	0.0000	0.2149	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0968	0.4973	1.0230	1.7300e-003		0.0216	0.0216		0.0216	0.0216	0.0000	148.9544	148.9544	7.7200e-003	0.0000	149.1474
Total	**0.0968**	**0.4973**	**1.0230**	**1.7300e-003**	**0.4288**	**0.0216**	**0.4504**	**0.2149**	**0.0216**	**0.2365**	**0.0000**	**148.9544**	**148.9544**	**7.7200e-003**	**0.0000**	**149.1474**

3.15 Plot 11 (2031) Utilities - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0460	3.2636	7.8096	0.0248		0.0880	0.0880		0.0880	0.0880	0.0000	2,367.3243	2,367.3243	0.0843	0.0000	2,369.4321
Total	**1.0460**	**3.2636**	**7.8096**	**0.0248**		**0.0880**	**0.0880**		**0.0880**	**0.0880**	**0.0000**	**2,367.3243**	**2,367.3243**	**0.0843**	**0.0000**	**2,369.4321**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0460	3.2636	7.8096	0.0248		0.0880	0.0880		0.0880	0.0880	0.0000	2,367.3215	2,367.3215	0.0843	0.0000	2,369.4293
Total	**1.0460**	**3.2636**	**7.8096**	**0.0248**		**0.0880**	**0.0880**		**0.0880**	**0.0880**	**0.0000**	**2,367.3215**	**2,367.3215**	**0.0843**	**0.0000**	**2,369.4293**

3.16 Plot 11 (2031) Building-Concrete - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1520	0.9881	2.1283	3.5900e-003		0.0207	0.0207		0.0207	0.0207	0.0000	305.9767	305.9767	0.0122	0.0000	306.2808

Total	**0.1520**	**0.9881**	**2.1283**	**3.5900e-003**		**0.0207**	**0.0207**		**0.0207**	**0.0207**	**0.0000**	**305.9767**	**305.9767**	**0.0122**	**0.0000**	**306.2808**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1520	0.9881	2.1283	3.5900e-003		0.0207	0.0207		0.0207	0.0207	0.0000	305.9764	305.9764	0.0122	0.0000	306.2804
Total	**0.1520**	**0.9881**	**2.1283**	**3.5900e-003**		**0.0207**	**0.0207**		**0.0207**	**0.0207**	**0.0000**	**305.9764**	**305.9764**	**0.0122**	**0.0000**	**306.2804**

3.17 Plot 11 (2031) Building-Wet Utilities - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4310	1.6475	5.2229	0.0108		0.0496	0.0496		0.0496	0.0496	0.0000	957.6770	957.6770	0.0344	0.0000	958.5357
Total	**0.4310**	**1.6475**	**5.2229**	**0.0108**		**0.0496**	**0.0496**		**0.0496**	**0.0496**	**0.0000**	**957.6770**	**957.6770**	**0.0344**	**0.0000**	**958.5357**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4310	1.6475	5.2229	0.0108		0.0496	0.0496		0.0496	0.0496	0.0000	957.6759	957.6759	0.0344	0.0000	958.5346
Total	**0.4310**	**1.6475**	**5.2229**	**0.0108**		**0.0496**	**0.0496**		**0.0496**	**0.0496**	**0.0000**	**957.6759**	**957.6759**	**0.0344**	**0.0000**	**958.5346**

3.18 Plot 11 (2031) Building-Electrical - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2541	1.4306	2.9391	4.5100e-003		0.0228	0.0228		0.0228	0.0228	0.0000	371.8412	371.8412	0.0205	0.0000	372.3528
Total	**0.2541**	**1.4306**	**2.9391**	**4.5100e-003**		**0.0228**	**0.0228**		**0.0228**	**0.0228**	**0.0000**	**371.8412**	**371.8412**	**0.0205**	**0.0000**	**372.3528**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2541	1.4306	2.9391	4.5100e-003		0.0228	0.0228		0.0228	0.0228	0.0000	371.8408	371.8408	0.0205	0.0000	372.3523
Total	**0.2541**	**1.4306**	**2.9391**	**4.5100e-003**		**0.0228**	**0.0228**		**0.0228**	**0.0228**	**0.0000**	**371.8408**	**371.8408**	**0.0205**	**0.0000**	**372.3523**

3.19 Plot 11 (2031) Building-Landscaping - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1884	0.8754	2.2527	3.7100e-003		0.0235	0.0235		0.0235	0.0235	0.0000	311.1778	311.1778	0.0151	0.0000	311.5552
Total	**0.1884**	**0.8754**	**2.2527**	**3.7100e-003**		**0.0235**	**0.0235**		**0.0235**	**0.0235**	**0.0000**	**311.1778**	**311.1778**	**0.0151**	**0.0000**	**311.5552**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1883	0.8754	2.2527	3.7100e-003		0.0235	0.0235		0.0235	0.0235	0.0000	311.1774	311.1774	0.0151	0.0000	311.5549
Total	**0.1883**	**0.8754**	**2.2527**	**3.7100e-003**		**0.0235**	**0.0235**		**0.0235**	**0.0235**	**0.0000**	**311.1774**	**311.1774**	**0.0151**	**0.0000**	**311.5549**

3.20 Plot 11 (2031) Landscaping - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.2010	0.9121	2.4446	4.0500e-003		0.0251	0.0251		0.0251	0.0251	0.0000	340.7885	340.7885	0.0161	0.0000	341.1906
Total	**0.2010**	**0.9121**	**2.4446**	**4.0500e-003**		**0.0251**	**0.0251**		**0.0251**	**0.0251**	**0.0000**	**340.7885**	**340.7885**	**0.0161**	**0.0000**	**341.1906**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2010	0.9121	2.4446	4.0500e-003		0.0251	0.0251		0.0251	0.0251	0.0000	340.7881	340.7881	0.0161	0.0000	341.1902
Total	**0.2010**	**0.9121**	**2.4446**	**4.0500e-003**		**0.0251**	**0.0251**		**0.0251**	**0.0251**	**0.0000**	**340.7881**	**340.7881**	**0.0161**	**0.0000**	**341.1902**

3.21 Plot 11 (2031) Temporary Utilities - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0821	0.2578	0.4032	1.8500e-003		8.5100e-003	8.5100e-003		8.5100e-003	8.5100e-003	0.0000	190.6814	190.6814	6.7100e-003	0.0000	190.8491
Total	**0.0821**	**0.2578**	**0.4032**	**1.8500e-003**		**8.5100e-003**	**8.5100e-003**		**8.5100e-003**	**8.5100e-003**	**0.0000**	**190.6814**	**190.6814**	**6.7100e-003**	**0.0000**	**190.8491**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0821	0.2578	0.4032	1.8500e-003		8.5100e-003	8.5100e-003		8.5100e-003	8.5100e-003	0.0000	190.6811	190.6811	6.7100e-003	0.0000	190.8489
Total	**0.0821**	**0.2578**	**0.4032**	**1.8500e-003**		**8.5100e-003**	**8.5100e-003**		**8.5100e-003**	**8.5100e-003**	**0.0000**	**190.6811**	**190.6811**	**6.7100e-003**	**0.0000**	**190.8489**

3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1062	0.5658	1.1914	2.0400e-003		0.0246	0.0246		0.0246	0.0246	0.0000	174.3867	174.3867	8.5900e-003	0.0000	174.6016
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2681**	**0.5658**	**1.1914**	**2.0400e-003**		**0.0246**	**0.0246**		**0.0246**	**0.0246**	**0.0000**	**174.3867**	**174.3867**	**8.5900e-003**	**0.0000**	**174.6016**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1062	0.5658	1.1914	2.0400e-003		0.0246	0.0246		0.0246	0.0246	0.0000	174.3865	174.3865	8.5900e-003	0.0000	174.6014
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	**0.2681**	**0.5658**	**1.1914**	**2.0400e-003**		**0.0246**	**0.0246**		**0.0246**	**0.0246**	**0.0000**	**174.3865**	**174.3865**	**8.5900e-003**	**0.0000**	**174.6014**

3.23 Plot 11 (2031) Paving - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3111	1.4863	2.7952	6.3100e-003		0.0554	0.0554		0.0554	0.0554	0.0000	583.1998	583.1998	0.0251	0.0000	583.8280
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.4731**	**1.4863**	**2.7952**	**6.3100e-003**		**0.0554**	**0.0554**		**0.0554**	**0.0554**	**0.0000**	**583.1998**	**583.1998**	**0.0251**	**0.0000**	**583.8280**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3111	1.4863	2.7952	6.3100e-003		0.0554	0.0554		0.0554	0.0554	0.0000	583.1991	583.1991	0.0251	0.0000	583.8273
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.4731**	**1.4863**	**2.7952**	**6.3100e-003**		**0.0554**	**0.0554**		**0.0554**	**0.0554**	**0.0000**	**583.1991**	**583.1991**	**0.0251**	**0.0000**	**583.8273**

3.24 Plots 11 and 12 (2032) Mass Excavation - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Fugitive Dust					2.5198	0.0000	2.5198	0.7043	0.0000	0.7043	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2884	5.4600	5.8649	0.0245		0.2040	0.2040		0.2040	0.2040	0.0000	2,520.7470	2,520.7470	0.1039	0.0000	2,523.3451
Total	**1.2884**	**5.4600**	**5.8649**	**0.0245**	**2.5198**	**0.2040**	**2.7237**	**0.7043**	**0.2040**	**0.9083**	**0.0000**	**2,520.7470**	**2,520.7470**	**0.1039**	**0.0000**	**2,523.3451**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.9827	0.0000	0.9827	0.2747	0.0000	0.2747	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2884	5.4600	5.8649	0.0245		0.2040	0.2040		0.2040	0.2040	0.0000	2,520.7441	2,520.7441	0.1039	0.0000	2,523.3421
Total	**1.2884**	**5.4600**	**5.8649**	**0.0245**	**0.9827**	**0.2040**	**1.1867**	**0.2747**	**0.2040**	**0.4787**	**0.0000**	**2,520.7441**	**2,520.7441**	**0.1039**	**0.0000**	**2,523.3421**

3.25 Plots 11 and 12 (2032) Finish Grading - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0735	0.0000	1.0735	0.5482	0.0000	0.5482	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0968	0.4973	1.0230	1.7300e-003		0.0216	0.0216		0.0216	0.0216	0.0000	148.9546	148.9546	7.7200e-003	0.0000	149.1475
Total	**0.0968**	**0.4973**	**1.0230**	**1.7300e-003**	**1.0735**	**0.0216**	**1.0951**	**0.5482**	**0.0216**	**0.5698**	**0.0000**	**148.9546**	**148.9546**	**7.7200e-003**	**0.0000**	**149.1475**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4187	0.0000	0.4187	0.2138	0.0000	0.2138	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0968	0.4973	1.0230	1.7300e-003		0.0216	0.0216		0.0216	0.0216	0.0000	148.9544	148.9544	7.7200e-003	0.0000	149.1474
Total	**0.0968**	**0.4973**	**1.0230**	**1.7300e-003**	**0.4187**	**0.0216**	**0.4403**	**0.2138**	**0.0216**	**0.2354**	**0.0000**	**148.9544**	**148.9544**	**7.7200e-003**	**0.0000**	**149.1474**

3.26 Plots 11 and 12 (2032) Utilities - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0375	3.2391	7.6817	0.0245		0.0869	0.0869		0.0869	0.0869	0.0000	2,347.5838	2,347.5838	0.0837	0.0000	2,349.6751
Total	**1.0375**	**3.2391**	**7.6817**	**0.0245**		**0.0869**	**0.0869**		**0.0869**	**0.0869**	**0.0000**	**2,347.5838**	**2,347.5838**	**0.0837**	**0.0000**	**2,349.6751**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0375	3.2391	7.6817	0.0245		0.0869	0.0869		0.0869	0.0869	0.0000	2,347.5811	2,347.5811	0.0837	0.0000	2,349.6724

Total	**1.0375**	**3.2391**	**7.6817**	**0.0245**		**0.0869**	**0.0869**		**0.0869**	**0.0869**	**0.0000**	**2,347.5811**	**2,347.5811**	**0.0837**	**0.0000**	**2,349.6724**

3.27 Plots 11 and 12 (2032) Building-Concrete - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1520	0.9881	2.1283	3.5900e-003		0.0207	0.0207		0.0207	0.0207	0.0000	305.9767	305.9767	0.0122	0.0000	306.2808
Total	**0.1520**	**0.9881**	**2.1283**	**3.5900e-003**		**0.0207**	**0.0207**		**0.0207**	**0.0207**	**0.0000**	**305.9767**	**305.9767**	**0.0122**	**0.0000**	**306.2808**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1520	0.9881	2.1283	3.5900e-003		0.0207	0.0207		0.0207	0.0207	0.0000	305.9764	305.9764	0.0122	0.0000	306.2804
Total	**0.1520**	**0.9881**	**2.1283**	**3.5900e-003**		**0.0207**	**0.0207**		**0.0207**	**0.0207**	**0.0000**	**305.9764**	**305.9764**	**0.0122**	**0.0000**	**306.2804**

3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4310	1.6475	5.2229	0.0108		0.0496	0.0496		0.0496	0.0496	0.0000	957.6770	957.6770	0.0344	0.0000	958.5357
Total	**0.4310**	**1.6475**	**5.2229**	**0.0108**		**0.0496**	**0.0496**		**0.0496**	**0.0496**	**0.0000**	**957.6770**	**957.6770**	**0.0344**	**0.0000**	**958.5357**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4310	1.6475	5.2229	0.0108		0.0496	0.0496		0.0496	0.0496	0.0000	957.6759	957.6759	0.0344	0.0000	958.5346
Total	**0.4310**	**1.6475**	**5.2229**	**0.0108**		**0.0496**	**0.0496**		**0.0496**	**0.0496**	**0.0000**	**957.6759**	**957.6759**	**0.0344**	**0.0000**	**958.5346**

3.29 Plots 11 and 12 (2032) Building-Electrical - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2541	1.4306	2.9391	4.5100e-003		0.0228	0.0228		0.0228	0.0228	0.0000	371.8412	371.8412	0.0205	0.0000	372.3528
Total	**0.2541**	**1.4306**	**2.9391**	**4.5100e-003**		**0.0228**	**0.0228**		**0.0228**	**0.0228**	**0.0000**	**371.8412**	**371.8412**	**0.0205**	**0.0000**	**372.3528**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2541	1.4306	2.9391	4.5100e-003		0.0228	0.0228		0.0228	0.0228	0.0000	371.8408	371.8408	0.0205	0.0000	372.3523
Total	**0.2541**	**1.4306**	**2.9391**	**4.5100e-003**		**0.0228**	**0.0228**		**0.0228**	**0.0228**	**0.0000**	**371.8408**	**371.8408**	**0.0205**	**0.0000**	**372.3523**

3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1884	0.8754	2.2527	3.7100e-003		0.0235	0.0235		0.0235	0.0235	0.0000	311.1778	311.1778	0.0151	0.0000	311.5552
Total	**0.1884**	**0.8754**	**2.2527**	**3.7100e-003**		**0.0235**	**0.0235**		**0.0235**	**0.0235**	**0.0000**	**311.1778**	**311.1778**	**0.0151**	**0.0000**	**311.5552**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.1883	0.8754	2.2527	3.7100e-003		0.0235	0.0235		0.0235	0.0235	0.0000	311.1774	311.1774	0.0151	0.0000	311.5549
Total	**0.1883**	**0.8754**	**2.2527**	**3.7100e-003**		**0.0235**	**0.0235**		**0.0235**	**0.0235**	**0.0000**	**311.1774**	**311.1774**	**0.0151**	**0.0000**	**311.5549**

3.31 Plots 11 and 12 (2032) Landscaping - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2010	0.9121	2.4446	4.0500e-003		0.0251	0.0251		0.0251	0.0251	0.0000	340.7885	340.7885	0.0161	0.0000	341.1906
Total	**0.2010**	**0.9121**	**2.4446**	**4.0500e-003**		**0.0251**	**0.0251**		**0.0251**	**0.0251**	**0.0000**	**340.7885**	**340.7885**	**0.0161**	**0.0000**	**341.1906**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2010	0.9121	2.4446	4.0500e-003		0.0251	0.0251		0.0251	0.0251	0.0000	340.7881	340.7881	0.0161	0.0000	341.1902
Total	**0.2010**	**0.9121**	**2.4446**	**4.0500e-003**		**0.0251**	**0.0251**		**0.0251**	**0.0251**	**0.0000**	**340.7881**	**340.7881**	**0.0161**	**0.0000**	**341.1902**

3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0821	0.2578	0.4032	1.8500e-003		8.5100e-003	8.5100e-003		8.5100e-003	8.5100e-003	0.0000	190.6814	190.6814	6.7100e-003	0.0000	190.8491
Total	**0.0821**	**0.2578**	**0.4032**	**1.8500e-003**		**8.5100e-003**	**8.5100e-003**		**8.5100e-003**	**8.5100e-003**	**0.0000**	**190.6814**	**190.6814**	**6.7100e-003**	**0.0000**	**190.8491**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0821	0.2578	0.4032	1.8500e-003		8.5100e-003	8.5100e-003		8.5100e-003	8.5100e-003	0.0000	190.6811	190.6811	6.7100e-003	0.0000	190.8489
Total	**0.0821**	**0.2578**	**0.4032**	**1.8500e-003**		**8.5100e-003**	**8.5100e-003**		**8.5100e-003**	**8.5100e-003**	**0.0000**	**190.6811**	**190.6811**	**6.7100e-003**	**0.0000**	**190.8489**

3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0113	0.0425	0.1430	2.6000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003	0.0000	21.9745	21.9745	8.9000e-004	0.0000	21.9968
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	**0.1732**	**0.0425**	**0.1430**	**2.6000e-004**		**1.7700e-003**	**1.7700e-003**		**1.7700e-003**	**1.7700e-003**	**0.0000**	**21.9745**	**21.9745**	**8.9000e-004**	**0.0000**	**21.9968**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0113	0.0425	0.1430	2.6000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003	0.0000	21.9745	21.9745	8.9000e-004	0.0000	21.9968
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1732**	**0.0425**	**0.1430**	**2.6000e-004**		**1.7700e-003**	**1.7700e-003**		**1.7700e-003**	**1.7700e-003**	**0.0000**	**21.9745**	**21.9745**	**8.9000e-004**	**0.0000**	**21.9968**

3.34 Plots 11 and 12 (2032) Paving - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3111	1.4863	2.7952	6.3100e-003		0.0554	0.0554		0.0554	0.0554	0.0000	583.1998	583.1998	0.0251	0.0000	583.8280
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.4731**	**1.4863**	**2.7952**	**6.3100e-003**		**0.0554**	**0.0554**		**0.0554**	**0.0554**	**0.0000**	**583.1998**	**583.1998**	**0.0251**	**0.0000**	**583.8280**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Off-Road	0.3111	1.4863	2.7952	6.3100e-003		0.0554	0.0554		0.0554	0.0554	0.0000	583.1991	583.1991	0.0251	0.0000	583.8273
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.4731**	**1.4863**	**2.7952**	**6.3100e-003**		**0.0554**	**0.0554**		**0.0554**	**0.0554**	**0.0000**	**583.1991**	**583.1991**	**0.0251**	**0.0000**	**583.8273**

3.35 Plot 12 (2033) Finish Grading - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0475	0.0000	1.0475	0.5454	0.0000	0.5454	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0723	0.3510	0.6890	1.1900e-003		0.0189	0.0189		0.0189	0.0189	0.0000	102.4848	102.4848	5.7600e-003	0.0000	102.6287
Total	**0.0723**	**0.3510**	**0.6890**	**1.1900e-003**	**1.0475**	**0.0189**	**1.0664**	**0.5454**	**0.0189**	**0.5643**	**0.0000**	**102.4848**	**102.4848**	**5.7600e-003**	**0.0000**	**102.6287**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4085	0.0000	0.4085	0.2127	0.0000	0.2127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0723	0.3510	0.6890	1.1900e-003		0.0189	0.0189		0.0189	0.0189	0.0000	102.4847	102.4847	5.7600e-003	0.0000	102.6286
Total	**0.0723**	**0.3510**	**0.6890**	**1.1900e-003**	**0.4085**	**0.0189**	**0.4274**	**0.2127**	**0.0189**	**0.2316**	**0.0000**	**102.4847**	**102.4847**	**5.7600e-003**	**0.0000**	**102.6286**

3.36 Plot 12 (2033) Utilities - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0375	3.2391	7.6817	0.0245		0.0869	0.0869		0.0869	0.0869	0.0000	2,347.5838	2,347.5838	0.0837	0.0000	2,349.6751
Total	**1.0375**	**3.2391**	**7.6817**	**0.0245**		**0.0869**	**0.0869**		**0.0869**	**0.0869**	**0.0000**	**2,347.5838**	**2,347.5838**	**0.0837**	**0.0000**	**2,349.6751**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0375	3.2391	7.6817	0.0245		0.0869	0.0869		0.0869	0.0869	0.0000	2,347.5811	2,347.5811	0.0837	0.0000	2,349.6724
Total	**1.0375**	**3.2391**	**7.6817**	**0.0245**		**0.0869**	**0.0869**		**0.0869**	**0.0869**	**0.0000**	**2,347.5811**	**2,347.5811**	**0.0837**	**0.0000**	**2,349.6724**

3.37 Plot 12 (2033) Building-Concrete - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1520	0.9881	2.1283	3.5900e-003		0.0207	0.0207		0.0207	0.0207	0.0000	305.9767	305.9767	0.0122	0.0000	306.2808

Total	**0.1520**	**0.9881**	**2.1283**	**3.5900e-003**		**0.0207**	**0.0207**		**0.0207**	**0.0207**	**0.0000**	**305.9767**	**305.9767**	**0.0122**	**0.0000**	**306.2808**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1520	0.9881	2.1283	3.5900e-003		0.0207	0.0207		0.0207	0.0207	0.0000	305.9764	305.9764	0.0122	0.0000	306.2804
Total	**0.1520**	**0.9881**	**2.1283**	**3.5900e-003**		**0.0207**	**0.0207**		**0.0207**	**0.0207**	**0.0000**	**305.9764**	**305.9764**	**0.0122**	**0.0000**	**306.2804**

3.38 Plot 12 (2033) Building-Wet Utilities - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4310	1.6475	5.2229	0.0108		0.0496	0.0496		0.0496	0.0496	0.0000	957.6770	957.6770	0.0344	0.0000	958.5357
Total	**0.4310**	**1.6475**	**5.2229**	**0.0108**		**0.0496**	**0.0496**		**0.0496**	**0.0496**	**0.0000**	**957.6770**	**957.6770**	**0.0344**	**0.0000**	**958.5357**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4310	1.6475	5.2229	0.0108		0.0496	0.0496		0.0496	0.0496	0.0000	957.6759	957.6759	0.0344	0.0000	958.5346
Total	**0.4310**	**1.6475**	**5.2229**	**0.0108**		**0.0496**	**0.0496**		**0.0496**	**0.0496**	**0.0000**	**957.6759**	**957.6759**	**0.0344**	**0.0000**	**958.5346**

3.39 Plot 12 (2033) Building-Electrical - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2541	1.4306	2.9391	4.5100e-003		0.0228	0.0228		0.0228	0.0228	0.0000	371.8412	371.8412	0.0205	0.0000	372.3528
Total	**0.2541**	**1.4306**	**2.9391**	**4.5100e-003**		**0.0228**	**0.0228**		**0.0228**	**0.0228**	**0.0000**	**371.8412**	**371.8412**	**0.0205**	**0.0000**	**372.3528**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2541	1.4306	2.9391	4.5100e-003		0.0228	0.0228		0.0228	0.0228	0.0000	371.8408	371.8408	0.0205	0.0000	372.3523
Total	**0.2541**	**1.4306**	**2.9391**	**4.5100e-003**		**0.0228**	**0.0228**		**0.0228**	**0.0228**	**0.0000**	**371.8408**	**371.8408**	**0.0205**	**0.0000**	**372.3523**

3.40 Plot 12 (2033) Building-Landscaping - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1884	0.8754	2.2527	3.7100e-003		0.0235	0.0235		0.0235	0.0235	0.0000	311.1778	311.1778	0.0151	0.0000	311.5552
Total	**0.1884**	**0.8754**	**2.2527**	**3.7100e-003**		**0.0235**	**0.0235**		**0.0235**	**0.0235**	**0.0000**	**311.1778**	**311.1778**	**0.0151**	**0.0000**	**311.5552**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1883	0.8754	2.2527	3.7100e-003		0.0235	0.0235		0.0235	0.0235	0.0000	311.1774	311.1774	0.0151	0.0000	311.5549
Total	**0.1883**	**0.8754**	**2.2527**	**3.7100e-003**		**0.0235**	**0.0235**		**0.0235**	**0.0235**	**0.0000**	**311.1774**	**311.1774**	**0.0151**	**0.0000**	**311.5549**

3.41 Plot 12 (2033) Landscaping - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.2010	0.9121	2.4446	4.0500e-003		0.0251	0.0251		0.0251	0.0251	0.0000	340.7885	340.7885	0.0161	0.0000	341.1906
Total	**0.2010**	**0.9121**	**2.4446**	**4.0500e-003**		**0.0251**	**0.0251**		**0.0251**	**0.0251**	**0.0000**	**340.7885**	**340.7885**	**0.0161**	**0.0000**	**341.1906**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2010	0.9121	2.4446	4.0500e-003		0.0251	0.0251		0.0251	0.0251	0.0000	340.7881	340.7881	0.0161	0.0000	341.1902
Total	**0.2010**	**0.9121**	**2.4446**	**4.0500e-003**		**0.0251**	**0.0251**		**0.0251**	**0.0251**	**0.0000**	**340.7881**	**340.7881**	**0.0161**	**0.0000**	**341.1902**

3.42 Plot 12 (2033) Temporary Utilities - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0821	0.2578	0.4032	1.8500e-003		8.5100e-003	8.5100e-003		8.5100e-003	8.5100e-003	0.0000	190.6814	190.6814	6.7100e-003	0.0000	190.8491
Total	**0.0821**	**0.2578**	**0.4032**	**1.8500e-003**		**8.5100e-003**	**8.5100e-003**		**8.5100e-003**	**8.5100e-003**	**0.0000**	**190.6814**	**190.6814**	**6.7100e-003**	**0.0000**	**190.8491**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0821	0.2578	0.4032	1.8500e-003		8.5100e-003	8.5100e-003		8.5100e-003	8.5100e-003	0.0000	190.6811	190.6811	6.7100e-003	0.0000	190.8489
Total	**0.0821**	**0.2578**	**0.4032**	**1.8500e-003**		**8.5100e-003**	**8.5100e-003**		**8.5100e-003**	**8.5100e-003**	**0.0000**	**190.6811**	**190.6811**	**6.7100e-003**	**0.0000**	**190.8489**

3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1062	0.5658	1.1914	2.0400e-003		0.0246	0.0246		0.0246	0.0246	0.0000	174.3867	174.3867	8.5900e-003	0.0000	174.6016
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2681**	**0.5658**	**1.1914**	**2.0400e-003**		**0.0246**	**0.0246**		**0.0246**	**0.0246**	**0.0000**	**174.3867**	**174.3867**	**8.5900e-003**	**0.0000**	**174.6016**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1062	0.5658	1.1914	2.0400e-003		0.0246	0.0246		0.0246	0.0246	0.0000	174.3865	174.3865	8.5900e-003	0.0000	174.6014
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	**0.2681**	**0.5658**	**1.1914**	**2.0400e-003**		**0.0246**	**0.0246**		**0.0246**	**0.0246**	**0.0000**	**174.3865**	**174.3865**	**8.5900e-003**	**0.0000**	**174.6014**

3.44 Plot 12 (2033) Paving - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3111	1.4863	2.7952	6.3100e-003		0.0554	0.0554		0.0554	0.0554	0.0000	583.1998	583.1998	0.0251	0.0000	583.8280
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.4731**	**1.4863**	**2.7952**	**6.3100e-003**		**0.0554**	**0.0554**		**0.0554**	**0.0554**	**0.0000**	**583.1998**	**583.1998**	**0.0251**	**0.0000**	**583.8280**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3111	1.4863	2.7952	6.3100e-003		0.0554	0.0554		0.0554	0.0554	0.0000	583.1991	583.1991	0.0251	0.0000	583.8273
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.4731**	**1.4863**	**2.7952**	**6.3100e-003**		**0.0554**	**0.0554**		**0.0554**	**0.0554**	**0.0000**	**583.1991**	**583.1991**	**0.0251**	**0.0000**	**583.8273**

3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Fugitive Dust					1.0735	0.0000	1.0735	0.5482	0.0000	0.5482	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0968	0.4973	1.0230	1.7300e-003		0.0216	0.0216		0.0216	0.0216	0.0000	148.9546	148.9546	7.7200e-003	0.0000	149.1475
Total	**0.0968**	**0.4973**	**1.0230**	**1.7300e-003**	**1.0735**	**0.0216**	**1.0951**	**0.5482**	**0.0216**	**0.5698**	**0.0000**	**148.9546**	**148.9546**	**7.7200e-003**	**0.0000**	**149.1475**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4187	0.0000	0.4187	0.2138	0.0000	0.2138	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0968	0.4973	1.0230	1.7300e-003		0.0216	0.0216		0.0216	0.0216	0.0000	148.9544	148.9544	7.7200e-003	0.0000	149.1474
Total	**0.0968**	**0.4973**	**1.0230**	**1.7300e-003**	**0.4187**	**0.0216**	**0.4403**	**0.2138**	**0.0216**	**0.2354**	**0.0000**	**148.9544**	**148.9544**	**7.7200e-003**	**0.0000**	**149.1474**

3.46 Plots 12 and 21,22 (2034) Utilities - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0333	3.2268	7.6177	0.0244		0.0864	0.0864		0.0864	0.0864	0.0000	2,337.7136	2,337.7136	0.0833	0.0000	2,339.7967
Total	**1.0333**	**3.2268**	**7.6177**	**0.0244**		**0.0864**	**0.0864**		**0.0864**	**0.0864**	**0.0000**	**2,337.7136**	**2,337.7136**	**0.0833**	**0.0000**	**2,339.7967**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0333	3.2268	7.6177	0.0244		0.0864	0.0864		0.0864	0.0864	0.0000	2,337.7108	2,337.7108	0.0833	0.0000	2,339.7939
Total	**1.0333**	**3.2268**	**7.6177**	**0.0244**		**0.0864**	**0.0864**		**0.0864**	**0.0864**	**0.0000**	**2,337.7108**	**2,337.7108**	**0.0833**	**0.0000**	**2,339.7939**

3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1472	0.9582	2.1033	3.5300e-003		0.0196	0.0196		0.0196	0.0196	0.0000	302.2532	302.2532	0.0118	0.0000	302.5476
Total	**0.1472**	**0.9582**	**2.1033**	**3.5300e-003**		**0.0196**	**0.0196**		**0.0196**	**0.0196**	**0.0000**	**302.2532**	**302.2532**	**0.0118**	**0.0000**	**302.5476**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1472	0.9582	2.1032	3.5300e-003		0.0196	0.0196		0.0196	0.0196	0.0000	302.2529	302.2529	0.0118	0.0000	302.5473

Total	**0.1472**	**0.9582**	**2.1032**	**3.5300e-003**		**0.0196**	**0.0196**		**0.0196**	**0.0196**	**0.0000**	**302.2529**	**302.2529**	**0.0118**	**0.0000**	**302.5473**

3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4310	1.6475	5.2229	0.0108		0.0496	0.0496		0.0496	0.0496	0.0000	957.6770	957.6770	0.0344	0.0000	958.5357
Total	**0.4310**	**1.6475**	**5.2229**	**0.0108**		**0.0496**	**0.0496**		**0.0496**	**0.0496**	**0.0000**	**957.6770**	**957.6770**	**0.0344**	**0.0000**	**958.5357**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4310	1.6475	5.2229	0.0108		0.0496	0.0496		0.0496	0.0496	0.0000	957.6759	957.6759	0.0344	0.0000	958.5346
Total	**0.4310**	**1.6475**	**5.2229**	**0.0108**		**0.0496**	**0.0496**		**0.0496**	**0.0496**	**0.0000**	**957.6759**	**957.6759**	**0.0344**	**0.0000**	**958.5346**

3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2541	1.4306	2.9391	4.5100e-003		0.0228	0.0228		0.0228	0.0228	0.0000	371.8412	371.8412	0.0205	0.0000	372.3528
Total	**0.2541**	**1.4306**	**2.9391**	**4.5100e-003**		**0.0228**	**0.0228**		**0.0228**	**0.0228**	**0.0000**	**371.8412**	**371.8412**	**0.0205**	**0.0000**	**372.3528**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2541	1.4306	2.9391	4.5100e-003		0.0228	0.0228		0.0228	0.0228	0.0000	371.8408	371.8408	0.0205	0.0000	372.3523
Total	**0.2541**	**1.4306**	**2.9391**	**4.5100e-003**		**0.0228**	**0.0228**		**0.0228**	**0.0228**	**0.0000**	**371.8408**	**371.8408**	**0.0205**	**0.0000**	**372.3523**

3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1884	0.8754	2.2527	3.7100e-003		0.0235	0.0235		0.0235	0.0235	0.0000	311.1778	311.1778	0.0151	0.0000	311.5552
Total	**0.1884**	**0.8754**	**2.2527**	**3.7100e-003**		**0.0235**	**0.0235**		**0.0235**	**0.0235**	**0.0000**	**311.1778**	**311.1778**	**0.0151**	**0.0000**	**311.5552**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1883	0.8754	2.2527	3.7100e-003		0.0235	0.0235		0.0235	0.0235	0.0000	311.1774	311.1774	0.0151	0.0000	311.5549
Total	**0.1883**	**0.8754**	**2.2527**	**3.7100e-003**		**0.0235**	**0.0235**		**0.0235**	**0.0235**	**0.0000**	**311.1774**	**311.1774**	**0.0151**	**0.0000**	**311.5549**

3.51 Plots 12 and 21,22 (2034) Landscaping - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2010	0.9121	2.4446	4.0500e-003		0.0251	0.0251		0.0251	0.0251	0.0000	340.7885	340.7885	0.0161	0.0000	341.1906
Total	**0.2010**	**0.9121**	**2.4446**	**4.0500e-003**		**0.0251**	**0.0251**		**0.0251**	**0.0251**	**0.0000**	**340.7885**	**340.7885**	**0.0161**	**0.0000**	**341.1906**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.2010	0.9121	2.4446	4.0500e-003		0.0251	0.0251		0.0251	0.0251	0.0000	340.7881	340.7881	0.0161	0.0000	341.1902
Total	**0.2010**	**0.9121**	**2.4446**	**4.0500e-003**		**0.0251**	**0.0251**		**0.0251**	**0.0251**	**0.0000**	**340.7881**	**340.7881**	**0.0161**	**0.0000**	**341.1902**

3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0821	0.2578	0.4032	1.8500e-003		8.5100e-003	8.5100e-003		8.5100e-003	8.5100e-003	0.0000	190.6814	190.6814	6.7100e-003	0.0000	190.8491
Total	**0.0821**	**0.2578**	**0.4032**	**1.8500e-003**		**8.5100e-003**	**8.5100e-003**		**8.5100e-003**	**8.5100e-003**	**0.0000**	**190.6814**	**190.6814**	**6.7100e-003**	**0.0000**	**190.8491**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0821	0.2578	0.4032	1.8500e-003		8.5100e-003	8.5100e-003		8.5100e-003	8.5100e-003	0.0000	190.6811	190.6811	6.7100e-003	0.0000	190.8489
Total	**0.0821**	**0.2578**	**0.4032**	**1.8500e-003**		**8.5100e-003**	**8.5100e-003**		**8.5100e-003**	**8.5100e-003**	**0.0000**	**190.6811**	**190.6811**	**6.7100e-003**	**0.0000**	**190.8489**

3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches -

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8600e-003	0.0180	0.0150	3.0000e-005		7.0000e-004	7.0000e-004		7.0000e-004	7.0000e-004	0.0000	2.2341	2.2341	2.3000e-004	0.0000	2.2399
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1648**	**0.0180**	**0.0150**	**3.0000e-005**		**7.0000e-004**	**7.0000e-004**		**7.0000e-004**	**7.0000e-004**	**0.0000**	**2.2341**	**2.2341**	**2.3000e-004**	**0.0000**	**2.2399**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8600e-003	0.0180	0.0150	3.0000e-005		7.0000e-004	7.0000e-004		7.0000e-004	7.0000e-004	0.0000	2.2341	2.2341	2.3000e-004	0.0000	2.2399
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1648**	**0.0180**	**0.0150**	**3.0000e-005**		**7.0000e-004**	**7.0000e-004**		**7.0000e-004**	**7.0000e-004**	**0.0000**	**2.2341**	**2.2341**	**2.3000e-004**	**0.0000**	**2.2399**

3.54 Plots 12 and 21,22 (2034) Paving - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3111	1.4863	2.7952	6.3100e-003		0.0554	0.0554		0.0554	0.0554	0.0000	583.1998	583.1998	0.0251	0.0000	583.8280
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	**0.4731**	**1.4863**	**2.7952**	**6.3100e-003**		**0.0554**	**0.0554**		**0.0554**	**0.0554**	**0.0000**	**583.1998**	**583.1998**	**0.0251**	**0.0000**	**583.8280**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3111	1.4863	2.7952	6.3100e-003		0.0554	0.0554		0.0554	0.0554	0.0000	583.1991	583.1991	0.0251	0.0000	583.8273
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.4731**	**1.4863**	**2.7952**	**6.3100e-003**		**0.0554**	**0.0554**		**0.0554**	**0.0554**	**0.0000**	**583.1991**	**583.1991**	**0.0251**	**0.0000**	**583.8273**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Total					

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	31,129.4424	31,129.4424	1.2852	0.2659	31,240.8089
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	31,129.4424	31,129.4424	1.2852	0.2659	31,240.8089
NaturalGas Mitigated	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	4,398.1384	4,398.1384	0.0843	0.0806	4,424.2743
NaturalGas Unmitigated	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	4,398.1384	4,398.1384	0.0843	0.0806	4,424.2743

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	8.2418e+007	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	4,398.1384	4,398.1384	0.0843	0.0806	4,424.2743
Total		**0.4444**	**4.0401**	**3.3937**	**0.0242**		**0.3071**	**0.3071**		**0.3071**	**0.3071**	**0.0000**	**4,398.1384**	**4,398.1384**	**0.0843**	**0.0806**	**4,424.2743**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	8.2418e+007	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	4,398.1384	4,398.1384	0.0843	0.0806	4,424.2743
Total		**0.4444**	**4.0401**	**3.3937**	**0.0242**		**0.3071**	**0.3071**		**0.3071**	**0.3071**	**0.0000**	**4,398.1384**	**4,398.1384**	**0.0843**	**0.0806**	**4,424.2743**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	1.88441e+006	600.4120	0.0248	5.1300e-003	602.5600
Unrefrigerated Warehouse-No	9.5816e+007	30,529.0304	1.2604	0.2608	30,638.2489
Total		**31,129.4424**	**1.2852**	**0.2659**	**31,240.8089**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	1.88441e+006	600.4120	0.0248	5.1300e-003	602.5600
Unrefrigerated Warehouse-No	9.5816e+007	30,529.0304	1.2604	0.2608	30,638.2489

Total		**31,129.4424**	**1.2852**	**0.2659**	**31,240.8089**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	165.9964	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758
Unmitigated	165.9964	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	18.8930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	147.0561					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0473	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758
Total	**165.9963**	**4.6400e-003**	**0.5164**	**4.0000e-005**		**1.8300e-003**	**1.8300e-003**		**1.8300e-003**	**1.8300e-003**	**0.0000**	**1.0107**	**1.0107**	**2.6000e-003**	**0.0000**	**1.0758**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	18.8930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	147.0561					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0473	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758
Total	**165.9963**	**4.6400e-003**	**0.5164**	**4.0000e-005**		**1.8300e-003**	**1.8300e-003**		**1.8300e-003**	**1.8300e-003**	**0.0000**	**1.0107**	**1.0107**	**2.6000e-003**	**0.0000**	**1.0758**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	41,930.3775	307.5407	7.5564	51,870.7141
Unmitigated	41,930.3775	307.5407	7.5564	51,870.7141

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No [illegible]	9388.75 / 0	41,930.3775	307.5407	7.5564	51,870.7141
Total		**41,930.3775**	**307.5407**	**7.5564**	**51,870.7141**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No [illegible]	9388.75 / 0	41,930.3775	307.5407	7.5564	51,870.7141
Total		**41,930.3775**	**307.5407**	**7.5564**	**51,870.7141**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	7,746.9471	457.8315	0.0000	19,192.7336

Unmitigated	7,746.9471	457.8315	0.0000	19,192.7336

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	38164	7,746.9471	457.8315	0.0000	19,192.7336
Total		**7,746.9471**	**457.8315**	**0.0000**	**19,192.7336**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	38164	7,746.9471	457.8315	0.0000	19,192.7336
Total		**7,746.9471**	**457.8315**	**0.0000**	**19,192.7336**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

A.5 Greenhouse Gas Emissions Mitigated

GHG Emissions Summary

MITIGATED

Year	On-Site Offroad Equipment	Onsite Mobile	Offsite Mobile	Total
	MT/yr			
2020	16,480	106	2,075	18,661
2021	19,881	97	2,108	22,085
2022	20,987	108	2,188	23,283
2023	21,029	117	2,312	23,458
2024	19,689	90	2,285	22,064
2025	14,443	94	1,831	16,368
2026	10,425	86	1,866	12,376
2027	9,608	97	1,944	11,648
2028	9,827	100	2,025	11,951
2029	9,366	79	1,962	11,407
2030	10,547	85	1,643	12,274
2031	8,812	78	1,678	10,567
2032	8,109	88	1,756	9,953
2033	5,691	84	1,894	7,670
2034	5,552	67	1,512	7,131
Project Total	190,446	1,375	29,077	220,898
30-Year Amortization				**7,363**

Plots 2, 4, 9, 1, 3, and 20

World Logistics Center
Construction Emissions - GHG (Mitigated)

MITIGATED

Year	On-Site Offroad Equipment	Onsite Mobile	Offsite Mobile	Total
	MT/yr			
2020	16,480	100	2,069	18,649
2021	19,881	91	2,102	22,074
2022	20,987	103	2,183	23,272
2023	21,029	111	2,307	23,447
2024	19,689	85	2,279	22,053

ONSITE Mobile Emissions		CO2	CH4	N2O	CO2e
PhaseName	CalEEMod Phase Name	MT/yr			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	5.61E+00	1.39E-01	8.48E-04	9.34E+00
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	1.58E+00	3.10E-02	3.41E-04	2.46E+00
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	1.19E+01	3.86E-01	2.11E-03	2.22E+01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	1.56E+00	9.26E-02	2.23E-04	3.95E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	1.15E+01	3.12E-02	3.11E-03	1.32E+01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	1.10E+01	2.32E-01	3.29E-03	1.78E+01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	1.09E+01	9.28E-02	3.31E-03	1.42E+01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	3.77E+00	1.20E-04	1.69E-03	4.28E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	1.70E+00	1.08E-01	2.32E-04	4.47E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2.63E+00	9.27E-02	3.38E-04	5.05E+00
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	1.62E+00	6.18E-02	2.22E-04	3.23E+00
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	5.54E+00	1.37E-01	8.56E-04	9.21E+00
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	1.49E+00	3.04E-02	3.04E-04	2.34E+00
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	1.26E+01	3.79E-01	2.48E-03	2.28E+01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	6.70E+00	3.05E-02	9.86E-04	7.76E+00
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	9.23E+00	3.06E-02	2.13E-03	1.06E+01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	9.49E+00	9.10E-02	2.71E-03	1.26E+01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	3.27E+00	1.06E-01	9.56E-04	6.21E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	3.38E+00	9.09E-02	1.05E-03	5.96E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2.78E+00	9.05E-05	1.25E-03	3.16E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	3.89E+00	6.07E-02	1.26E-03	5.79E+00
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2.56E+00	9.10E-02	3.26E-04	4.94E+00
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	8.32E+00	1.78E-01	1.77E-03	1.33E+01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	1.52E+00	6.66E-02	2.56E-04	3.26E+00
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	8.80E+00	2.15E-01	2.22E-03	1.48E+01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	7.05E+00	1.26E-01	9.93E-04	1.05E+01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	5.50E+00	2.22E-01	9.18E-04	1.13E+01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	6.36E+00	8.89E-02	1.88E-03	9.14E+00
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	5.62E+00	6.67E-02	1.31E-03	7.68E+00
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	5.85E+00	2.29E-01	8.57E-04	1.18E+01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	5.34E+00	1.83E-04	2.50E-03	6.09E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	3.28E+00	7.40E-02	4.76E-04	5.28E+00
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	6.41E+00	8.90E-02	2.33E-03	9.33E+00
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	7.28E+00	2.14E-01	9.89E-04	1.29E+01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	5.09E+00	1.00E-01	1.87E-03	8.15E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	1.47E+00	5.71E-02	1.99E-04	2.96E+00
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	9.13E+00	2.14E-01	1.86E-03	1.50E+01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	7.28E+00	2.14E-01	1.82E-03	1.32E+01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	4.08E+00	8.57E-02	1.36E-03	6.63E+00
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	1.04E+01	2.89E-02	2.86E-03	1.20E+01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	1.54E+00	5.38E-05	7.28E-04	1.76E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	1.15E+01	3.57E-01	2.24E-03	2.11E+01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2.64E+00	9.22E-05	1.25E-03	3.01E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	5.85E+00	8.57E-02	1.18E-03	8.35E+00
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	3.57E+00	8.57E-02	1.22E-03	6.08E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	5.65E+00	1.63E-01	7.33E-04	9.94E+00
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	5.75E+00	2.05E-01	8.90E-04	1.12E+01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	5.72E+00	2.05E-01	8.74E-04	1.11E+01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	6.71E+00	1.21E-01	9.39E-04	1.00E+01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	4.80E+00	2.12E-01	6.71E-04	1.03E+01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	3.22E+00	8.50E-02	4.58E-04	5.48E+00
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	3.87E+00	6.38E-02	5.54E-04	5.63E+00
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	1.76E+00	2.84E-02	2.39E-04	2.54E+00
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	5.49E+00	2.20E-01	7.78E-04	1.12E+01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	1.48E+00	7.79E-02	2.00E-04	3.49E+00
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	1.86E+00	8.50E-02	2.36E-04	4.05E+00
	2020	6.38E+01	1.27E+00	1.57E-02	1.00E+02
	2021	6.09E+01	1.05E+00	1.43E-02	9.13E+01
	2022	6.41E+01	1.36E+00	1.55E-02	1.03E+02
	2023	6.99E+01	1.44E+00	1.76E-02	1.11E+02
	2024	4.63E+01	1.47E+00	6.57E-03	8.49E+01

Worker Running Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission Factor (g/mile)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	0.5	2.40E-02	9.02E-02	1.14E+00	3.11E-03	1.89E+02	2.18E-03	1.89E+02	1.88E+01	2.01E-03	1.88E+01	3.14E+02	5.62E-03	7.58E-03
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	0.5	2.07E-02	7.80E-02	1.03E+00	3.02E-03	1.89E+02	2.04E-03	1.89E+02	1.88E+01	1.88E-03	1.88E+01	3.05E+02	4.91E-03	6.85E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	0.5	1.79E-02	6.79E-02	9.32E-01	2.93E-03	1.89E+02	1.91E-03	1.89E+02	1.88E+01	1.75E-03	1.88E+01	2.96E+02	4.30E-03	6.22E-03
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	0.5	1.55E-02	5.94E-02	8.52E-01	2.83E-03	1.89E+02	1.79E-03	1.89E+02	1.88E+01	1.65E-03	1.88E+01	2.86E+02	3.77E-03	5.69E-03
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	0.5	1.37E-02	5.26E-02	7.89E-01	2.75E-03	1.89E+02	1.72E-03	1.89E+02	1.88E+01	1.58E-03	1.88E+01	2.78E+02	3.37E-03	5.26E-03

					Daily Emissions												
			Daily Worker Trips		ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	(In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	0.5	1.32E-03	4.97E-03	6.28E-02	1.71E-04	1.04E+01	1.20E-04	1.04E+01	1.04E+00	1.11E-04	1.04E+00	1.73E+01	3.10E-04	4.18E-04
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	0.5	3.97E-04	1.49E-03	1.88E-02	5.14E-05	3.12E+00	3.61E-05	3.12E+00	3.12E-01	3.32E-05	3.12E-01	5.20E+00	9.29E-05	1.25E-04
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	0.5	1.06E-03	3.98E-03	5.02E-02	1.37E-04	8.33E+00	9.63E-05	8.33E+00	8.31E-01	8.87E-05	8.31E-01	1.39E+01	2.48E-04	3.34E-04
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	0.5	2.65E-04	9.94E-04	1.26E-02	3.43E-05	2.08E+00	2.41E-05	2.08E+00	2.08E-01	2.22E-05	2.08E-01	3.46E+00	6.19E-05	8.36E-05
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	0.5	6.62E-04	2.49E-03	3.14E-02	8.57E-05	5.20E+00	6.02E-05	5.20E+00	5.19E-01	5.54E-05	5.19E-01	8.66E+00	1.55E-04	2.09E-04
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	0.5	6.62E-04	2.49E-03	3.14E-02	8.57E-05	5.20E+00	6.02E-05	5.20E+00	5.19E-01	5.54E-05	5.19E-01	8.66E+00	1.55E-04	2.09E-04
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	0.5	3.97E-04	1.49E-03	1.88E-02	5.14E-05	3.12E+00	3.61E-05	3.12E+00	3.12E-01	3.32E-05	3.12E-01	5.20E+00	9.29E-05	1.25E-04
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	0.5	2.65E-04	9.94E-04	1.26E-02	3.43E-05	2.08E+00	2.41E-05	2.08E+00	2.08E-01	2.22E-05	2.08E-01	3.46E+00	6.19E-05	8.36E-05
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	0.5	6.62E-04	2.49E-03	3.14E-02	8.57E-05	5.20E+00	6.02E-05	5.20E+00	5.19E-01	5.54E-05	5.19E-01	8.66E+00	1.55E-04	2.09E-04
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	0.5	2.65E-04	9.94E-04	1.26E-02	3.43E-05	2.08E+00	2.41E-05	2.08E+00	2.08E-01	2.22E-05	2.08E-01	3.46E+00	6.19E-05	8.36E-05
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	0.5	1.14E-03	4.30E-03	5.66E-02	1.66E-04	1.04E+01	1.12E-04	1.04E+01	1.04E+00	1.03E-04	1.04E+00	1.68E+01	2.71E-04	3.77E-04
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	0.5	3.43E-04	1.29E-03	1.70E-02	4.99E-05	3.12E+00	3.37E-05	3.12E+00	3.12E-01	3.10E-05	3.12E-01	5.05E+00	8.12E-05	1.13E-04
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	0.5	9.14E-04	3.44E-03	4.53E-02	1.33E-04	8.33E+00	8.99E-05	8.33E+00	8.31E-01	8.28E-05	8.31E-01	1.35E+01	2.16E-04	3.02E-04
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	0.5	5.71E-04	2.15E-03	2.83E-02	8.32E-05	5.20E+00	5.62E-05	5.20E+00	5.19E-01	5.17E-05	5.19E-01	8.41E+00	1.35E-04	1.89E-04
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	0.5	5.71E-04	2.15E-03	2.83E-02	8.32E-05	5.20E+00	5.62E-05	5.20E+00	5.19E-01	5.17E-05	5.19E-01	8.41E+00	1.35E-04	1.89E-04
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	0.5	3.43E-04	1.29E-03	1.70E-02	4.99E-05	3.12E+00	3.37E-05	3.12E+00	3.12E-01	3.10E-05	3.12E-01	5.05E+00	8.12E-05	1.13E-04
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	0.5	2.29E-04	8.60E-04	1.13E-02	3.33E-05	2.08E+00	2.25E-05	2.08E+00	2.08E-01	2.07E-05	2.08E-01	3.36E+00	5.41E-05	7.55E-05
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	0.5	2.29E-04	8.60E-04	1.13E-02	3.33E-05	2.08E+00	2.25E-05	2.08E+00	2.08E-01	2.07E-05	2.08E-01	3.36E+00	5.41E-05	7.55E-05
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	0.5	2.29E-04	8.60E-04	1.13E-02	3.33E-05	2.08E+00	2.25E-05	2.08E+00	2.08E-01	2.07E-05	2.08E-01	3.36E+00	5.41E-05	7.55E-05
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	0.5	5.71E-04	2.15E-03	2.83E-02	8.32E-05	5.20E+00	5.62E-05	5.20E+00	5.19E-01	5.17E-05	5.19E-01	8.41E+00	1.35E-04	1.89E-04
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	0.5	9.88E-04	3.74E-03	5.14E-02	1.61E-04	1.04E+01	1.05E-04	1.04E+01	1.04E+00	9.67E-05	1.04E+00	1.63E+01	2.37E-04	3.43E-04
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	0.5	2.47E-04	9.36E-04	1.28E-02	4.03E-05	2.60E+00	2.63E-05	2.60E+00	2.60E-01	2.42E-05	2.60E-01	4.07E+00	5.92E-05	8.57E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	0.5	4.94E-04	1.87E-03	2.57E-02	8.06E-05	5.20E+00	5.25E-05	5.20E+00	5.19E-01	4.84E-05	5.19E-01	8.15E+00	1.18E-04	1.71E-04
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	0.5	7.41E-04	2.81E-03	3.85E-02	1.21E-04	7.81E+00	7.88E-05	7.81E+00	7.79E-01	7.25E-05	7.79E-01	1.22E+01	1.78E-04	2.57E-04
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	0.5	4.94E-04	1.87E-03	2.57E-02	8.06E-05	5.20E+00	5.25E-05	5.20E+00	5.19E-01	4.84E-05	5.19E-01	8.15E+00	1.18E-04	1.71E-04
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	0.5	2.96E-04	1.12E-03	1.54E-02	4.84E-05	3.12E+00	3.15E-05	3.12E+00	3.12E-01	2.90E-05	3.12E-01	4.89E+00	7.11E-05	1.03E-04
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	0.5	3.46E-04	1.31E-03	1.80E-02	5.64E-05	3.64E+00	3.68E-05	3.64E+00	3.63E-01	3.38E-05	3.63E-01	5.70E+00	8.29E-05	1.20E-04
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	0.5	4.94E-04	1.87E-03	2.57E-02	8.06E-05	5.20E+00	5.25E-05	5.20E+00	5.19E-01	4.84E-05	5.19E-01	8.15E+00	1.18E-04	1.71E-04
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	0.5	2.47E-04	9.36E-04	1.28E-02	4.03E-05	2.60E+00	2.63E-05	2.60E+00	2.60E-01	2.42E-05	2.60E-01	4.07E+00	5.92E-05	8.57E-05
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	0.5	3.46E-04	1.31E-03	1.80E-02	5.64E-05	3.64E+00	3.68E-05	3.64E+00	3.63E-01	3.38E-05	3.63E-01	5.70E+00	8.29E-05	1.20E-04
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	0.5	8.55E-04	3.28E-03	4.69E-02	1.56E-04	1.04E+01	9.88E-05	1.04E+01	1.04E+00	9.10E-05	1.04E+00	1.58E+01	2.08E-04	3.14E-04
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	0.5	1.71E-04	6.55E-04	9.39E-03	3.12E-05	2.08E+00	1.98E-05	2.08E+00	2.08E-01	1.82E-05	2.08E-01	3.15E+00	4.16E-05	6.27E-05
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	0.5	1.71E-04	6.55E-04	9.39E-03	3.12E-05	2.08E+00	1.98E-05	2.08E+00	2.08E-01	1.82E-05	2.08E-01	3.15E+00	4.16E-05	6.27E-05
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	0.5	8.55E-04	3.28E-03	4.69E-02	1.56E-04	1.04E+01	9.88E-05	1.04E+01	1.04E+00	9.10E-05	1.04E+00	1.58E+01	2.08E-04	3.14E-04
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	0.5	4.27E-04	1.64E-03	2.35E-02	7.80E-05	5.20E+00	4.94E-05	5.20E+00	5.19E-01	4.55E-05	5.19E-01	7.89E+00	1.04E-04	1.57E-04
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	0.5	2.56E-04	9.83E-04	1.41E-02	4.68E-05	3.12E+00	2.96E-05	3.12E+00	3.12E-01	2.73E-05	3.12E-01	4.73E+00	6.24E-05	9.41E-05
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	0.5	4.27E-04	1.64E-03	2.35E-02	7.80E-05	5.20E+00	4.94E-05	5.20E+00	5.19E-01	4.55E-05	5.19E-01	7.89E+00	1.04E-04	1.57E-04
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	0.5	6.84E-04	2.62E-03	3.76E-02	1.25E-04	8.33E+00	7.90E-05	8.33E+00	8.31E-01	7.28E-05	8.31E-01	1.26E+01	1.66E-04	2.51E-04
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	0.5	2.56E-04	9.83E-04	1.41E-02	4.68E-05	3.12E+00	2.96E-05	3.12E+00	3.12E-01	2.73E-05	3.12E-01	4.73E+00	6.24E-05	9.41E-05
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	0.5	1.71E-04	6.55E-04	9.39E-03	3.12E-05	2.08E+00	1.98E-05	2.08E+00	2.08E-01	1.82E-05	2.08E-01	3.15E+00	4.16E-05	6.27E-05
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	0.5	7.53E-04	2.90E-03	4.35E-02	1.51E-04	1.04E+01	9.45E-05	1.04E+01	1.04E+00	8.70E-05	1.04E+00	1.53E+01	1.86E-04	2.90E-04
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	0.5	3.77E-04	1.45E-03	2.17E-02	7.57E-05	5.20E+00	4.73E-05	5.20E+00	5.19E-01	4.35E-05	5.19E-01	7.66E+00	9.28E-05	1.45E-04
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	0.5	3.77E-04	1.45E-03	2.17E-02	7.57E-05	5.20E+00	4.73E-05	5.20E+00	5.19E-01	4.35E-05	5.19E-01	7.66E+00	9.28E-05	1.45E-04
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	0.5	5.65E-04	2.17E-03	3.26E-02	1.14E-04	7.81E+00	7.09E-05	7.81E+00	7.79E-01	6.53E-05	7.79E-01	1.15E+01	1.39E-04	2.17E-04
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	0.5	3.77E-04	1.45E-03	2.17E-02	7.57E-05	5.20E+00	4.73E-05	5.20E+00	5.19E-01	4.35E-05	5.19E-01	7.66E+00	9.28E-05	1.45E-04
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	0.5	2.26E-04	8.69E-04	1.30E-02	4.54E-05	3.12E+00	2.84E-05	3.12E+00	3.12E-01	2.61E-05	3.12E-01	4.59E+00	5.57E-05	8.69E-05
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	0.5	2.64E-04	1.01E-03	1.52E-02	5.30E-05	3.64E+00	3.31E-05	3.64E+00	3.63E-01	3.05E-05	3.63E-01	5.36E+00	6.49E-05	1.01E-04
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	0.5	1.88E-04	7.24E-04	1.09E-02	3.79E-05	2.60E+00	2.36E-05	2.60E+00	2.60E-01	2.18E-05	2.60E-01	3.83E+00	4.64E-05	7.24E-05
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	0.5	3.77E-04	1.45E-03	2.17E-02	7.57E-05	5.20E+00	4.73E-05	5.20E+00	5.19E-01	4.35E-05	5.19E-01	7.66E+00	9.28E-05	1.45E-04
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	0.5	1.51E-04	5.80E-04	8.70E-03	3.03E-05	2.08E+00	1.89E-05	2.08E+00	2.08E-01	1.74E-05	2.08E-01	3.06E+00	3.71E-05	5.79E-05
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	0.5	2.64E-04	1.01E-03	1.52E-02	5.30E-05	3.64E+00	3.31E-05	3.64E+00	3.63E-01	3.05E-05	3.63E-01	5.36E+00	6.49E-05	1.01E-04

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
						MT/yr			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	0.5	262	2.06E+00	3.68E-05	4.97E-05	2.07E+00
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	0.5	262	6.18E-01	1.10E-05	1.49E-05	6.22E-01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	0.5	262	1.65E+00	2.94E-05	3.97E-05	1.66E+00
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	0.5	262	4.12E-01	7.36E-06	9.94E-06	4.15E-01
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	0.5	262	1.03E+00	1.84E-05	2.48E-05	1.04E+00
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	0.5	262	1.03E+00	1.84E-05	2.48E-05	1.04E+00
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	0.5	262	6.18E-01	1.10E-05	1.49E-05	6.22E-01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	0.5	262	4.12E-01	7.36E-06	9.94E-06	4.15E-01
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	0.5	262	1.03E+00	1.84E-05	2.48E-05	1.04E+00
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	0.5	262	4.12E-01	7.36E-06	9.94E-06	4.15E-01
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	0.5	261	1.99E+00	3.20E-05	4.47E-05	2.01E+00
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	0.5	261	5.97E-01	9.61E-06	1.34E-05	6.02E-01
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	0.5	261	1.59E+00	2.56E-05	3.57E-05	1.60E+00
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	0.5	261	9.96E-01	1.60E-05	2.23E-05	1.00E+00
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	0.5	261	9.96E-01	1.60E-05	2.23E-05	1.00E+00
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	0.5	261	5.97E-01	9.61E-06	1.34E-05	6.02E-01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	0.5	261	3.98E-01	6.41E-06	8.93E-06	4.01E-01
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	0.5	261	3.98E-01	6.41E-06	8.93E-06	4.01E-01
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	0.5	261	3.98E-01	6.41E-06	8.93E-06	4.01E-01
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	0.5	261	9.96E-01	1.60E-05	2.23E-05	1.00E+00
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	0.5	260	1.92E+00	2.79E-05	4.04E-05	1.93E+00
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	0.5	260	4.80E-01	6.98E-06	1.01E-05	4.84E-01
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	0.5	260	9.61E-01	1.40E-05	2.02E-05	9.67E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	0.5	260	1.44E+00	2.10E-05	3.03E-05	1.45E+00
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	0.5	260	9.61E-01	1.40E-05	2.02E-05	9.67E-01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	0.5	260	5.77E-01	8.38E-06	1.21E-05	5.80E-01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	0.5	260	6.73E-01	9.78E-06	1.42E-05	6.77E-01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	0.5	260	9.61E-01	1.40E-05	2.02E-05	9.67E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	0.5	260	4.80E-01	6.98E-06	1.01E-05	4.84E-01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	0.5	260	6.73E-01	9.78E-06	1.42E-05	6.77E-01
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	0.5	260	1.86E+00	2.45E-05	3.70E-05	1.87E+00
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	0.5	260	3.72E-01	4.90E-06	7.40E-06	3.74E-01
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	0.5	260	3.72E-01	4.90E-06	7.40E-06	3.74E-01
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	0.5	260	1.86E+00	2.45E-05	3.70E-05	1.87E+00
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	0.5	260	9.30E-01	1.23E-05	1.85E-05	9.36E-01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	0.5	260	5.58E-01	7.36E-06	1.11E-05	5.62E-01
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	0.5	260	9.30E-01	1.23E-05	1.85E-05	9.36E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	0.5	260	1.49E+00	1.96E-05	2.96E-05	1.50E+00
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	0.5	260	5.58E-01	7.36E-06	1.11E-05	5.62E-01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	0.5	260	3.72E-01	4.90E-06	7.40E-06	3.74E-01
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	0.5	262	1.82E+00	2.20E-05	3.44E-05	1.83E+00
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	0.5	262	9.10E-01	1.10E-05	1.72E-05	9.15E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	0.5	262	9.10E-01	1.10E-05	1.72E-05	9.15E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	0.5	262	1.36E+00	1.65E-05	2.58E-05	1.37E+00
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	0.5	262	9.10E-01	1.10E-05	1.72E-05	9.15E-01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	0.5	262	5.46E-01	6.61E-06	1.03E-05	5.49E-01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	0.5	262	6.37E-01	7.72E-06	1.21E-05	6.41E-01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	0.5	262	4.55E-01	5.51E-06	8.61E-06	4.58E-01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	0.5	262	9.10E-01	1.10E-05	1.72E-05	9.15E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	0.5	262	3.64E-01	4.41E-06	6.89E-06	3.66E-01
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	0.5	262	6.37E-01	7.72E-06	1.21E-05	6.41E-01

Worker Starting/Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission Factor (g/trip)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	0.5	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	0.5	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	0.5	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	0.5	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	0.5	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	0.5	6.03E-02	1.46E-02	1.34E-01	3.46E-05	0.00E+00	1.27E-04	1.27E-04	0.00E+00	1.17E-04	1.17E-04	3.50E+00	3.85E-03	1.67E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	0.5	1.81E-02	4.38E-03	4.02E-02	1.04E-05	0.00E+00	3.81E-05	3.81E-05	0.00E+00	3.50E-05	3.50E-05	1.05E+00	1.16E-03	5.01E-04
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	0.5	4.83E-02	1.17E-02	1.07E-01	2.77E-05	0.00E+00	1.02E-04	1.02E-04	0.00E+00	9.34E-05	9.34E-05	2.80E+00	3.08E-03	1.34E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	0.5	1.21E-02	2.92E-03	2.68E-02	6.92E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.34E-05	2.34E-05	7.00E-01	7.71E-04	3.34E-04
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	0.5	3.02E-02	7.31E-03	6.71E-02	1.73E-05	0.00E+00	6.35E-05	6.35E-05	0.00E+00	5.84E-05	5.84E-05	1.75E+00	1.93E-03	8.35E-04
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	0.5	3.02E-02	7.31E-03	6.71E-02	1.73E-05	0.00E+00	6.35E-05	6.35E-05	0.00E+00	5.84E-05	5.84E-05	1.75E+00	1.93E-03	8.35E-04
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	0.5	1.81E-02	4.38E-03	4.02E-02	1.04E-05	0.00E+00	3.81E-05	3.81E-05	0.00E+00	3.50E-05	3.50E-05	1.05E+00	1.16E-03	5.01E-04
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	0.5	1.21E-02	2.92E-03	2.68E-02	6.92E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.34E-05	2.34E-05	7.00E-01	7.71E-04	3.34E-04
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	0.5	3.02E-02	7.31E-03	6.71E-02	1.73E-05	0.00E+00	6.35E-05	6.35E-05	0.00E+00	5.84E-05	5.84E-05	1.75E+00	1.93E-03	8.35E-04
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	0.5	1.21E-02	2.92E-03	2.68E-02	6.92E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.34E-05	2.34E-05	7.00E-01	7.71E-04	3.34E-04
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	0.5	5.58E-02	1.34E-02	1.30E-01	3.36E-05	0.00E+00	1.19E-04	1.19E-04	0.00E+00	1.10E-04	1.10E-04	3.39E+00	3.54E-03	1.59E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	0.5	1.67E-02	4.03E-03	3.89E-02	1.01E-05	0.00E+00	3.58E-05	3.58E-05	0.00E+00	3.29E-05	3.29E-05	1.02E+00	1.06E-03	4.78E-04
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	0.5	4.46E-02	1.07E-02	1.04E-01	2.69E-05	0.00E+00	9.54E-05	9.54E-05	0.00E+00	8.77E-05	8.77E-05	2.71E+00	2.83E-03	1.27E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	0.5	2.79E-02	6.71E-03	6.48E-02	1.68E-05	0.00E+00	5.96E-05	5.96E-05	0.00E+00	5.48E-05	5.48E-05	1.70E+00	1.77E-03	7.96E-04
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	0.5	2.79E-02	6.71E-03	6.48E-02	1.68E-05	0.00E+00	5.96E-05	5.96E-05	0.00E+00	5.48E-05	5.48E-05	1.70E+00	1.77E-03	7.96E-04
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	0.5	1.67E-02	4.03E-03	3.89E-02	1.01E-05	0.00E+00	3.58E-05	3.58E-05	0.00E+00	3.29E-05	3.29E-05	1.02E+00	1.06E-03	4.78E-04
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	0.5	1.12E-02	2.68E-03	2.59E-02	6.71E-06	0.00E+00	2.38E-05	2.38E-05	0.00E+00	2.19E-05	2.19E-05	6.78E-01	7.08E-04	3.18E-04
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	0.5	1.12E-02	2.68E-03	2.59E-02	6.71E-06	0.00E+00	2.38E-05	2.38E-05	0.00E+00	2.19E-05	2.19E-05	6.78E-01	7.08E-04	3.18E-04
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	0.5	1.12E-02	2.68E-03	2.59E-02	6.71E-06	0.00E+00	2.38E-05	2.38E-05	0.00E+00	2.19E-05	2.19E-05	6.78E-01	7.08E-04	3.18E-04
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	0.5	2.79E-02	6.71E-03	6.48E-02	1.68E-05	0.00E+00	5.96E-05	5.96E-05	0.00E+00	5.48E-05	5.48E-05	1.70E+00	1.77E-03	7.96E-04
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	0.5	5.18E-02	1.24E-02	1.25E-01	3.25E-05	0.00E+00	1.12E-04	1.12E-04	0.00E+00	1.03E-04	1.03E-04	3.29E+00	3.26E-03	1.52E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	0.5	1.29E-02	3.09E-03	3.13E-02	8.13E-06	0.00E+00	2.81E-05	2.81E-05	0.00E+00	2.58E-05	2.58E-05	8.22E-01	8.15E-04	3.79E-04
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	0.5	2.59E-02	6.18E-03	6.26E-02	1.63E-05	0.00E+00	5.62E-05	5.62E-05	0.00E+00	5.17E-05	5.17E-05	1.64E+00	1.63E-03	7.59E-04
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	0.5	3.88E-02	9.27E-03	9.39E-02	2.44E-05	0.00E+00	8.43E-05	8.43E-05	0.00E+00	7.75E-05	7.75E-05	2.46E+00	2.45E-03	1.14E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	0.5	2.59E-02	6.18E-03	6.26E-02	1.63E-05	0.00E+00	5.62E-05	5.62E-05	0.00E+00	5.17E-05	5.17E-05	1.64E+00	1.63E-03	7.59E-04
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	0.5	1.55E-02	3.71E-03	3.76E-02	9.76E-06	0.00E+00	3.37E-05	3.37E-05	0.00E+00	3.10E-05	3.10E-05	9.86E-01	9.78E-04	4.55E-04
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	0.5	1.81E-02	4.33E-03	4.38E-02	1.14E-05	0.00E+00	3.93E-05	3.93E-05	0.00E+00	3.62E-05	3.62E-05	1.15E+00	1.14E-03	5.31E-04
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	0.5	2.59E-02	6.18E-03	6.26E-02	1.63E-05	0.00E+00	5.62E-05	5.62E-05	0.00E+00	5.17E-05	5.17E-05	1.64E+00	1.63E-03	7.59E-04
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	0.5	1.29E-02	3.09E-03	3.13E-02	8.13E-06	0.00E+00	2.81E-05	2.81E-05	0.00E+00	2.58E-05	2.58E-05	8.22E-01	8.15E-04	3.79E-04
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	0.5	1.81E-02	4.33E-03	4.38E-02	1.14E-05	0.00E+00	3.93E-05	3.93E-05	0.00E+00	3.62E-05	3.62E-05	1.15E+00	1.14E-03	5.31E-04
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	0.5	4.83E-02	1.14E-02	1.21E-01	3.15E-05	0.00E+00	1.07E-04	1.07E-04	0.00E+00	9.79E-05	9.79E-05	3.18E+00	3.00E-03	1.45E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	0.5	9.65E-03	2.29E-03	2.42E-02	6.30E-06	0.00E+00	2.13E-05	2.13E-05	0.00E+00	1.96E-05	1.96E-05	6.36E-01	6.01E-04	2.89E-04
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	0.5	9.65E-03	2.29E-03	2.42E-02	6.30E-06	0.00E+00	2.13E-05	2.13E-05	0.00E+00	1.96E-05	1.96E-05	6.36E-01	6.01E-04	2.89E-04
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	0.5	4.83E-02	1.14E-02	1.21E-01	3.15E-05	0.00E+00	1.07E-04	1.07E-04	0.00E+00	9.79E-05	9.79E-05	3.18E+00	3.00E-03	1.45E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	0.5	2.41E-02	5.71E-03	6.05E-02	1.57E-05	0.00E+00	5.33E-05	5.33E-05	0.00E+00	4.90E-05	4.90E-05	1.59E+00	1.50E-03	7.23E-04
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	0.5	1.45E-02	3.43E-03	3.63E-02	9.44E-06	0.00E+00	3.20E-05	3.20E-05	0.00E+00	2.94E-05	2.94E-05	9.54E-01	9.01E-04	4.34E-04
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	0.5	2.41E-02	5.71E-03	6.05E-02	1.57E-05	0.00E+00	5.33E-05	5.33E-05	0.00E+00	4.90E-05	4.90E-05	1.59E+00	1.50E-03	7.23E-04
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	0.5	3.86E-02	9.14E-03	9.67E-02	2.52E-05	0.00E+00	8.52E-05	8.52E-05	0.00E+00	7.84E-05	7.84E-05	2.54E+00	2.40E-03	1.16E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	0.5	1.45E-02	3.43E-03	3.63E-02	9.44E-06	0.00E+00	3.20E-05	3.20E-05	0.00E+00	2.94E-05	2.94E-05	9.54E-01	9.01E-04	4.34E-04
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	0.5	9.65E-03	2.29E-03	2.42E-02	6.30E-06	0.00E+00	2.13E-05	2.13E-05	0.00E+00	1.96E-05	1.96E-05	6.36E-01	6.01E-04	2.89E-04
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	0.5	4.51E-02	1.06E-02	1.17E-01	3.04E-05	0.00E+00	1.02E-04	1.02E-04	0.00E+00	9.34E-05	9.34E-05	3.08E+00	2.77E-03	1.38E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	0.5	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	0.5	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	0.5	3.38E-02	7.95E-03	8.74E-02	2.28E-05	0.00E+00	7.61E-05	7.61E-05	0.00E+00	7.00E-05	7.00E-05	2.31E+00	2.08E-03	1.03E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	0.5	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	0.5	1.35E-02	3.18E-03	3.50E-02	9.13E-06	0.00E+00	3.05E-05	3.05E-05	0.00E+00	2.80E-05	2.80E-05	9.23E-01	8.30E-04	4.13E-04
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	0.5	1.58E-02	3.71E-03	4.08E-02	1.07E-05	0.00E+00	3.55E-05	3.55E-05	0.00E+00	3.27E-05	3.27E-05	1.08E+00	9.69E-04	4.82E-04
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	0.5	1.13E-02	2.65E-03	2.91E-02	7.61E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.33E-05	2.33E-05	7.69E-01	6.92E-04	3.44E-04
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	0.5	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	0.5	9.02E-03	2.12E-03	2.33E-02	6.09E-06	0.00E+00	2.03E-05	2.03E-05	0.00E+00	1.87E-05	1.87E-05	6.15E-01	5.54E-04	2.75E-04
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	0.5	1.58E-02	3.71E-03	4.08E-02	1.07E-05	0.00E+00	3.55E-05	3.55E-05	0.00E+00	3.27E-05	3.27E-05	1.08E+00	9.69E-04	4.82E-04

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
						MT/yr			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	0.5	262	4.16E-01	4.58E-04	1.98E-04	4.86E-01
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	0.5	262	1.25E-01	1.37E-04	5.95E-05	1.46E-01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	0.5	262	3.33E-01	3.66E-04	1.59E-04	3.89E-01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	0.5	262	8.31E-02	9.16E-05	3.97E-05	9.73E-02
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	0.5	262	2.08E-01	2.29E-04	9.92E-05	2.43E-01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	0.5	262	2.08E-01	2.29E-04	9.92E-05	2.43E-01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	0.5	262	1.25E-01	1.37E-04	5.95E-05	1.46E-01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	0.5	262	8.31E-02	9.16E-05	3.97E-05	9.73E-02
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	0.5	262	2.08E-01	2.29E-04	9.92E-05	2.43E-01
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	0.5	262	8.31E-02	9.16E-05	3.97E-05	9.73E-02
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	0.5	261	4.02E-01	4.19E-04	1.88E-04	4.68E-01
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	0.5	261	1.20E-01	1.26E-04	5.65E-05	1.40E-01
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	0.5	261	3.21E-01	3.35E-04	1.51E-04	3.75E-01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	0.5	261	2.01E-01	2.10E-04	9.42E-05	2.34E-01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	0.5	261	2.01E-01	2.10E-04	9.42E-05	2.34E-01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	0.5	261	1.20E-01	1.26E-04	5.65E-05	1.40E-01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	0.5	261	8.03E-02	8.39E-05	3.77E-05	9.36E-02
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	0.5	261	8.03E-02	8.39E-05	3.77E-05	9.36E-02
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	0.5	261	8.03E-02	8.39E-05	3.77E-05	9.36E-02
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	0.5	261	2.01E-01	2.10E-04	9.42E-05	2.34E-01
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	0.5	260	3.88E-01	3.85E-04	1.79E-04	4.50E-01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	0.5	260	9.69E-02	9.61E-05	4.47E-05	1.13E-01
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	0.5	260	1.94E-01	1.92E-04	8.95E-05	2.25E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	0.5	260	2.91E-01	2.88E-04	1.34E-04	3.38E-01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	0.5	260	1.94E-01	1.92E-04	8.95E-05	2.25E-01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	0.5	260	1.16E-01	1.15E-04	5.37E-05	1.35E-01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	0.5	260	1.36E-01	1.35E-04	6.26E-05	1.58E-01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	0.5	260	1.94E-01	1.92E-04	8.95E-05	2.25E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	0.5	260	9.69E-02	9.61E-05	4.47E-05	1.13E-01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	0.5	260	1.36E-01	1.35E-04	6.26E-05	1.58E-01
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	0.5	260	3.75E-01	3.54E-04	1.71E-04	4.35E-01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	0.5	260	7.50E-02	7.09E-05	3.41E-05	8.70E-02
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	0.5	260	7.50E-02	7.09E-05	3.41E-05	8.70E-02
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	0.5	260	3.75E-01	3.54E-04	1.71E-04	4.35E-01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	0.5	260	1.88E-01	1.77E-04	8.53E-05	2.17E-01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	0.5	260	1.13E-01	1.06E-04	5.12E-05	1.30E-01
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	0.5	260	1.88E-01	1.77E-04	8.53E-05	2.17E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	0.5	260	3.00E-01	2.83E-04	1.36E-04	3.48E-01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	0.5	260	1.13E-01	1.06E-04	5.12E-05	1.30E-01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	0.5	260	7.50E-02	7.09E-05	3.41E-05	8.70E-02
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	0.5	262	3.66E-01	3.29E-04	1.64E-04	4.23E-01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	0.5	262	1.83E-01	1.64E-04	8.18E-05	2.11E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	0.5	262	1.83E-01	1.64E-04	8.18E-05	2.11E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	0.5	262	2.74E-01	2.47E-04	1.23E-04	3.17E-01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	0.5	262	1.83E-01	1.64E-04	8.18E-05	2.11E-01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	0.5	262	1.10E-01	9.87E-05	4.91E-05	1.27E-01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	0.5	262	1.28E-01	1.15E-04	5.73E-05	1.48E-01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	0.5	262	9.14E-02	8.22E-05	4.09E-05	1.06E-01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	0.5	262	1.83E-01	1.64E-04	8.18E-05	2.11E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	0.5	262	7.31E-02	6.58E-05	3.27E-05	8.45E-02
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	0.5	262	1.28E-01	1.15E-04	5.73E-05	1.48E-01

Vendor Running Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/mile)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	0.5	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	6.56E-02	1.89E+01	1.31E+03	4.43E-02	1.88E-01
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	0.5	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	5.43E-02	1.89E+01	1.28E+03	4.35E-02	1.84E-01
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	0.5	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	2.99E-02	1.89E+01	1.24E+03	4.15E-02	1.79E-01
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	0.5	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.18E+03	3.96E-02	1.70E-01
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	0.5	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.17E+03	3.96E-02	1.68E-01

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	0.5	15	1.35E-03	3.44E-02	7.29E-03	1.21E-04	1.87E+00	1.20E-03	1.88E+00	1.87E-01	6.51E-04	1.88E-01	1.29E+01	4.40E-04	1.86E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	0.5	15	3.01E-04	7.64E-03	1.62E-03	2.68E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	1.45E-04	4.17E-02	2.88E+00	9.77E-05	4.13E-04
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	0.5	15	3.76E-03	9.55E-02	2.02E-02	3.35E-04	5.21E+00	3.32E-03	5.21E+00	5.20E-01	1.81E-03	5.22E-01	3.60E+01	1.22E-03	5.17E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	0.5	15	9.02E-04	2.29E-02	4.86E-03	8.04E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	4.34E-04	1.25E-01	8.63E+00	2.93E-04	1.24E-03
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	0.5	15	3.01E-04	7.64E-03	1.62E-03	2.68E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	1.45E-04	4.17E-02	2.88E+00	9.77E-05	4.13E-04
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	0.5	15	2.26E-03	5.73E-02	1.21E-02	2.01E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	1.08E-03	3.13E-01	2.16E+01	7.33E-04	3.10E-03
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	0.5	15	9.02E-04	2.29E-02	4.86E-03	8.04E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	4.34E-04	1.25E-01	8.63E+00	2.93E-04	1.24E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	0.5	15	1.05E-03	2.67E-02	5.67E-03	9.38E-05	1.46E+00	9.30E-04	1.46E+00	1.46E-01	5.06E-04	1.46E-01	1.01E+01	3.42E-04	1.45E-03
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	0.5	15	9.02E-04	2.29E-02	4.86E-03	8.04E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	4.34E-04	1.25E-01	8.63E+00	2.93E-04	1.24E-03
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	0.5	15	6.01E-04	1.53E-02	3.24E-03	5.36E-05	8.33E-01	5.31E-04	8.33E-01	8.32E-02	2.89E-04	8.35E-02	5.75E+00	1.95E-04	8.27E-04
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	0.5	15	1.10E-03	3.01E-02	6.29E-03	1.18E-04	1.87E+00	1.20E-03	1.88E+00	1.87E-01	5.39E-04	1.88E-01	1.27E+01	4.31E-04	1.82E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	0.5	15	2.44E-04	6.70E-03	1.40E-03	2.62E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	1.20E-04	4.17E-02	2.82E+00	9.59E-05	4.05E-04
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	0.5	15	3.05E-03	8.37E-02	1.75E-02	3.28E-04	5.21E+00	3.32E-03	5.21E+00	5.20E-01	1.50E-03	5.21E-01	3.52E+01	1.20E-03	5.07E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	0.5	15	2.44E-04	6.70E-03	1.40E-03	2.62E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	1.20E-04	4.17E-02	2.82E+00	9.59E-05	4.05E-04
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	0.5	15	2.44E-04	6.70E-03	1.40E-03	2.62E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	1.20E-04	4.17E-02	2.82E+00	9.59E-05	4.05E-04
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	0.5	15	7.33E-04	2.01E-02	4.20E-03	7.87E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	3.59E-04	1.25E-01	8.46E+00	2.88E-04	1.22E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	0.5	15	8.55E-04	2.34E-02	4.89E-03	9.18E-05	1.46E+00	9.30E-04	1.46E+00	1.46E-01	4.19E-04	1.46E-01	9.86E+00	3.36E-04	1.42E-03
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	0.5	15	7.33E-04	2.01E-02	4.20E-03	7.87E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	3.59E-04	1.25E-01	8.46E+00	2.88E-04	1.22E-03
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	0.5	15	4.89E-04	1.34E-02	2.80E-03	5.25E-05	8.33E-01	5.31E-04	8.33E-01	8.32E-02	2.39E-04	8.34E-02	5.64E+00	1.92E-04	8.11E-04
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	0.5	15	7.33E-04	2.01E-02	4.20E-03	7.87E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	3.59E-04	1.25E-01	8.46E+00	2.88E-04	1.22E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	0.5	15	8.52E-04	3.21E-02	6.18E-03	1.53E-04	2.50E+00	1.59E-03	2.50E+00	2.50E-01	3.95E-04	2.50E-01	1.64E+01	5.49E-04	2.36E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	0.5	15	3.19E-04	1.20E-02	2.32E-03	5.72E-05	9.37E-01	5.98E-04	9.38E-01	9.36E-02	1.48E-04	9.37E-02	6.16E+00	2.06E-04	8.85E-04
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	0.5	15	1.03E-03	3.88E-02	7.47E-03	1.84E-04	3.02E+00	1.93E-03	3.02E+00	3.02E-01	4.77E-04	3.02E-01	1.98E+01	6.64E-04	2.85E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	0.5	15	6.03E-04	2.27E-02	4.38E-03	1.08E-04	1.77E+00	1.13E-03	1.77E+00	1.77E-01	2.80E-04	1.77E-01	1.16E+01	3.89E-04	1.67E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	0.5	15	1.06E-03	4.01E-02	7.73E-03	1.91E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	4.94E-04	3.12E-01	2.05E+01	6.87E-04	2.95E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	0.5	15	4.26E-04	1.60E-02	3.09E-03	7.63E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	1.98E-04	1.25E-01	8.21E+00	2.75E-04	1.18E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	0.5	15	3.19E-04	1.20E-02	2.32E-03	5.72E-05	9.37E-01	5.98E-04	9.38E-01	9.36E-02	1.48E-04	9.37E-02	6.16E+00	2.06E-04	8.85E-04
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	0.5	15	1.10E-03	4.15E-02	7.99E-03	1.97E-04	3.23E+00	2.06E-03	3.23E+00	3.22E-01	5.10E-04	3.23E-01	2.12E+01	7.10E-04	3.05E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	0.5	15	3.55E-04	1.34E-02	2.58E-03	6.36E-05	1.04E+00	6.64E-04	1.04E+00	1.04E-01	1.65E-04	1.04E-01	6.84E+00	2.29E-04	9.84E-04
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	0.5	15	4.26E-04	1.60E-02	3.09E-03	7.63E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	1.98E-04	1.25E-01	8.21E+00	2.75E-04	1.18E-03
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	0.5	15	3.06E-04	2.87E-02	5.40E-03	1.82E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.13E-04	3.12E-01	1.96E+01	6.54E-04	2.81E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	0.5	15	1.43E-04	1.34E-02	2.52E-03	8.47E-05	1.46E+00	9.30E-04	1.46E+00	1.46E-01	9.95E-05	1.46E-01	9.13E+00	3.05E-04	1.31E-03
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	0.5	15	8.16E-05	7.66E-03	1.44E-03	4.84E-05	8.33E-01	5.31E-04	8.33E-01	8.32E-02	5.69E-05	8.33E-02	5.22E+00	1.74E-04	7.49E-04
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	0.5	15	3.06E-04	2.87E-02	5.40E-03	1.82E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.13E-04	3.12E-01	1.96E+01	6.54E-04	2.81E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	0.5	15	3.06E-04	2.87E-02	5.40E-03	1.82E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.13E-04	3.12E-01	1.96E+01	6.54E-04	2.81E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	0.5	15	1.22E-04	1.15E-02	2.16E-03	7.26E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.53E-05	1.25E-01	7.82E+00	2.62E-04	1.12E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	0.5	15	4.08E-05	3.83E-03	7.20E-04	2.42E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.84E-05	4.16E-02	2.61E+00	8.72E-05	3.74E-04
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	0.5	15	5.10E-04	4.79E-02	9.00E-03	3.03E-04	5.21E+00	3.32E-03	5.21E+00	5.20E-01	3.55E-04	5.20E-01	3.26E+01	1.09E-03	4.68E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	0.5	15	1.22E-04	1.15E-02	2.16E-03	7.26E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.53E-05	1.25E-01	7.82E+00	2.62E-04	1.12E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	0.5	15	1.22E-04	1.15E-02	2.16E-03	7.26E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.53E-05	1.25E-01	7.82E+00	2.62E-04	1.12E-03
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	0.5	15	2.26E-04	2.22E-02	4.03E-03	1.37E-04	2.39E+00	1.53E-03	2.40E+00	2.39E-01	1.64E-04	2.39E-01	1.48E+01	5.02E-04	2.13E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	0.5	15	2.85E-04	2.80E-02	5.09E-03	1.73E-04	3.02E+00	1.93E-03	3.02E+00	3.02E-01	2.07E-04	3.02E-01	1.86E+01	6.33E-04	2.68E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	0.5	15	2.85E-04	2.80E-02	5.09E-03	1.73E-04	3.02E+00	1.93E-03	3.02E+00	3.02E-01	2.07E-04	3.02E-01	1.86E+01	6.33E-04	2.68E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	0.5	15	1.67E-04	1.64E-02	2.98E-03	1.01E-04	1.77E+00	1.13E-03	1.77E+00	1.77E-01	1.21E-04	1.77E-01	1.09E+01	3.71E-04	1.57E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	0.5	15	2.95E-04	2.90E-02	5.26E-03	1.79E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.14E-04	3.12E-01	1.93E+01	6.55E-04	2.77E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	0.5	15	1.18E-04	1.16E-02	2.11E-03	7.15E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.56E-05	1.25E-01	7.71E+00	2.62E-04	1.11E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	0.5	15	8.85E-05	8.69E-03	1.58E-03	5.36E-05	9.37E-01	5.98E-04	9.38E-01	9.36E-02	6.42E-05	9.37E-02	5.78E+00	1.96E-04	8.32E-04
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	0.5	15	3.94E-05	3.86E-03	7.02E-04	2.38E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.85E-05	4.16E-02	2.57E+00	8.73E-05	3.70E-04
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	0.5	15	3.05E-04	2.99E-02	5.44E-03	1.85E-04	3.23E+00	2.06E-03	3.23E+00	3.22E-01	2.21E-04	3.23E-01	1.99E+01	6.77E-04	2.86E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	0.5	15	1.08E-04	1.06E-02	1.93E-03	6.56E-05	1.15E+00	7.31E-04	1.15E+00	1.14E-01	7.84E-05	1.14E-01	7.07E+00	2.40E-04	1.02E-03
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	0.5	15	1.18E-04	1.16E-02	2.11E-03	7.15E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.56E-05	1.25E-01	7.71E+00	2.62E-04	1.11E-03

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
							MT/year			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	0.5	15	262	1.54E+00	5.23E-05	2.21E-04	1.61E+00
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	0.5	15	262	3.42E-01	1.16E-05	4.91E-05	3.57E-01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	0.5	15	262	4.27E+00	1.45E-04	6.14E-04	4.46E+00
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	0.5	15	262	1.03E+00	3.48E-05	1.47E-04	1.07E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	0.5	15	262	3.42E-01	1.16E-05	4.91E-05	3.57E-01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	0.5	15	262	2.56E+00	8.71E-05	3.69E-04	2.68E+00
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	0.5	15	262	1.03E+00	3.48E-05	1.47E-04	1.07E+00
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	0.5	15	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	0.5	15	262	1.20E+00	4.07E-05	1.72E-04	1.25E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	0.5	15	262	1.03E+00	3.48E-05	1.47E-04	1.07E+00
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	0.5	15	262	6.84E-01	2.32E-05	9.83E-05	7.14E-01
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	0.5	15	261	1.50E+00	5.11E-05	2.16E-04	1.57E+00
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	0.5	15	261	3.34E-01	1.14E-05	4.80E-05	3.48E-01
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	0.5	15	261	4.17E+00	1.42E-04	6.00E-04	4.35E+00
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	0.5	15	261	3.34E-01	1.14E-05	4.80E-05	3.48E-01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	0.5	15	261	3.34E-01	1.14E-05	4.80E-05	3.48E-01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	0.5	15	261	1.00E+00	3.41E-05	1.44E-04	1.04E+00
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	0.5	15	261	1.17E+00	3.97E-05	1.68E-04	1.22E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	0.5	15	261	1.00E+00	3.41E-05	1.44E-04	1.04E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	0.5	15	261	6.67E-01	2.27E-05	9.60E-05	6.97E-01
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	0.5	15	261	1.00E+00	3.41E-05	1.44E-04	1.04E+00
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	0.5	15	260	1.94E+00	6.48E-05	2.78E-04	2.02E+00
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	0.5	15	260	7.26E-01	2.43E-05	1.04E-04	7.58E-01
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	0.5	15	260	2.34E+00	7.83E-05	3.36E-04	2.44E+00
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	0.5	15	260	1.37E+00	4.59E-05	1.97E-04	1.43E+00
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	0.5	15	260	2.42E+00	8.10E-05	3.48E-04	2.53E+00
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	0.5	15	260	9.68E-01	3.24E-05	1.39E-04	1.01E+00
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	0.5	15	260	7.26E-01	2.43E-05	1.04E-04	7.58E-01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	0.5	15	260	2.50E+00	8.37E-05	3.60E-04	2.61E+00
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	0.5	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	0.5	15	260	8.07E-01	2.70E-05	1.16E-04	8.42E-01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	0.5	15	260	9.68E-01	3.24E-05	1.39E-04	1.01E+00
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	0.5	15	260	2.31E+00	7.71E-05	3.31E-04	2.41E+00
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	0.5	15	260	1.08E+00	3.60E-05	1.55E-04	1.12E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	0.5	15	260	6.15E-01	2.06E-05	8.83E-05	6.42E-01
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	0.5	15	260	2.31E+00	7.71E-05	3.31E-04	2.41E+00
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	0.5	15	260	2.31E+00	7.71E-05	3.31E-04	2.41E+00
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	0.5	15	260	9.23E-01	3.09E-05	1.32E-04	9.63E-01
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	0.5	15	260	3.08E-01	1.03E-05	4.42E-05	3.21E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	0.5	15	260	3.84E+00	1.29E-04	5.52E-04	4.01E+00
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	0.5	15	260	9.23E-01	3.09E-05	1.32E-04	9.63E-01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	0.5	15	260	9.23E-01	3.09E-05	1.32E-04	9.63E-01
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	0.5	15	262	1.76E+00	5.97E-05	2.53E-04	1.83E+00
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	0.5	15	262	2.21E+00	7.52E-05	3.18E-04	2.31E+00
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	0.5	15	262	2.21E+00	7.52E-05	3.18E-04	2.31E+00
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	0.5	15	262	1.30E+00	4.41E-05	1.87E-04	1.35E+00
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	0.5	15	262	2.29E+00	7.78E-05	3.29E-04	2.39E+00
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	0.5	15	262	9.16E-01	3.11E-05	1.32E-04	9.56E-01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	0.5	15	262	6.87E-01	2.33E-05	9.88E-05	7.17E-01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	0.5	15	262	3.05E-01	1.04E-05	4.39E-05	3.19E-01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	0.5	15	262	2.37E+00	8.04E-05	3.40E-04	2.47E+00
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	0.5	15	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	0.5	15	262	8.40E-01	2.85E-05	1.21E-04	8.77E-01
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	0.5	15	262	9.16E-01	3.11E-05	1.32E-04	9.56E-01

Vendor Starting/Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/trip)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 202	2020	9	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 20	2020	2	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities	2020	15	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 20	2020	6	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2	2020	0	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping	2020	7	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Appro	2020	4	0.5	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches -	2021	4	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	0.5	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 20	2022	12	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2	2022	8.5	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilitie	2022	15	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2	2022	6	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping	2022	4.5	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities -	2022	0	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Appro	2022	5	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	0.5	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches -	2023	6	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	0.5	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavatio	2024	11.5	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading -	2024	14.5	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concre	2024	8.5	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Ut	2024	15	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electric	2024	6	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landsc	2024	4.5	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 20	2024	2	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2	2024	15.5	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utili	2024	0	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive A	2024	5.5	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	0.5	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 202	2020	9	0.5	15	1.14E-03	1.40E-02	7.10E-03	5.85E-07	0.00E+00	6.74E-07	6.74E-07	0.00E+00	6.20E-07	6.20E-07	5.91E-02	6.03E-05	4.26E-05
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	0.5	15	2.54E-04	3.11E-03	1.58E-03	1.30E-07	0.00E+00	1.50E-07	1.50E-07	0.00E+00	1.38E-07	1.38E-07	1.31E-02	1.34E-05	9.47E-06
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	0.5	15	3.17E-03	3.88E-02	1.97E-02	1.63E-06	0.00E+00	1.87E-06	1.87E-06	0.00E+00	1.72E-06	1.72E-06	1.64E-01	1.67E-04	1.18E-04
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	0.5	15	7.62E-04	9.32E-03	4.74E-03	3.90E-07	0.00E+00	4.49E-07	4.49E-07	0.00E+00	4.13E-07	4.13E-07	3.94E-02	4.02E-05	2.84E-05
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 20	2020	2	0.5	15	2.54E-04	3.11E-03	1.58E-03	1.30E-07	0.00E+00	1.50E-07	1.50E-07	0.00E+00	1.38E-07	1.38E-07	1.31E-02	1.34E-05	9.47E-06
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities	2020	15	0.5	15	1.90E-03	2.33E-02	1.18E-02	9.75E-07	0.00E+00	1.12E-06	1.12E-06	0.00E+00	1.03E-06	1.03E-06	9.85E-02	1.00E-04	7.10E-05
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 20	2020	6	0.5	15	7.62E-04	9.32E-03	4.74E-03	3.90E-07	0.00E+00	4.49E-07	4.49E-07	0.00E+00	4.13E-07	4.13E-07	3.94E-02	4.02E-05	2.84E-05
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2	2020	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping	2020	7	0.5	15	8.89E-04	1.09E-02	5.53E-03	4.55E-07	0.00E+00	5.24E-07	5.24E-07	0.00E+00	4.82E-07	4.82E-07	4.60E-02	4.69E-05	3.31E-05
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	0.5	15	7.62E-04	9.32E-03	4.74E-03	3.90E-07	0.00E+00	4.49E-07	4.49E-07	0.00E+00	4.13E-07	4.13E-07	3.94E-02	4.02E-05	2.84E-05
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Appro	2020	4	0.5	15	5.08E-04	6.22E-03	3.16E-03	2.60E-07	0.00E+00	3.00E-07	3.00E-07	0.00E+00	2.75E-07	2.75E-07	2.63E-02	2.68E-05	1.89E-05
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	0.5	15	1.07E-03	1.51E-02	6.67E-03	5.67E-07	0.00E+00	6.33E-07	6.33E-07	0.00E+00	5.82E-07	5.82E-07	5.73E-02	5.76E-05	4.22E-05
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	0.5	15	2.38E-04	3.36E-03	1.48E-03	1.26E-07	0.00E+00	1.41E-07	1.41E-07	0.00E+00	1.29E-07	1.29E-07	1.27E-02	1.28E-05	9.38E-06
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	0.5	15	2.98E-03	4.20E-02	1.85E-02	1.58E-06	0.00E+00	1.76E-06	1.76E-06	0.00E+00	1.62E-06	1.62E-06	1.59E-01	1.60E-04	1.17E-04
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	0.5	15	2.38E-04	3.36E-03	1.48E-03	1.26E-07	0.00E+00	1.41E-07	1.41E-07	0.00E+00	1.29E-07	1.29E-07	1.27E-02	1.28E-05	9.38E-06
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	0.5	15	2.38E-04	3.36E-03	1.48E-03	1.26E-07	0.00E+00	1.41E-07	1.41E-07	0.00E+00	1.29E-07	1.29E-07	1.27E-02	1.28E-05	9.38E-06
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	0.5	15	7.15E-04	1.01E-02	4.44E-03	3.78E-07	0.00E+00	4.22E-07	4.22E-07	0.00E+00	3.88E-07	3.88E-07	3.82E-02	3.84E-05	2.81E-05
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	0.5	15	8.34E-04	1.18E-02	5.19E-03	4.41E-07	0.00E+00	4.92E-07	4.92E-07	0.00E+00	4.53E-07	4.53E-07	4.46E-02	4.48E-05	3.28E-05
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	0.5	15	7.15E-04	1.01E-02	4.44E-03	3.78E-07	0.00E+00	4.22E-07	4.22E-07	0.00E+00	3.88E-07	3.88E-07	3.82E-02	3.84E-05	2.81E-05
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches -	2021	4	0.5	15	4.77E-04	6.72E-03	2.96E-03	2.52E-07	0.00E+00	2.81E-07	2.81E-07	0.00E+00	2.59E-07	2.59E-07	2.55E-02	2.56E-05	1.88E-05
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	0.5	15	7.15E-04	1.01E-02	4.44E-03	3.78E-07	0.00E+00	4.22E-07	4.22E-07	0.00E+00	3.88E-07	3.88E-07	3.82E-02	3.84E-05	2.81E-05
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 20	2022	12	0.5	15	1.36E-03	2.27E-02	8.44E-03	7.42E-07	0.00E+00	8.10E-07	8.10E-07	0.00E+00	7.45E-07	7.45E-07	7.50E-02	7.43E-05	5.63E-05
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	0.5	15	5.10E-04	8.49E-03	3.16E-03	2.78E-07	0.00E+00	3.04E-07	3.04E-07	0.00E+00	2.79E-07	2.79E-07	2.81E-02	2.79E-05	2.11E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	0.5	15	1.64E-03	2.74E-02	1.02E-02	8.96E-07	0.00E+00	9.79E-07	9.79E-07	0.00E+00	9.00E-07	9.00E-07	9.06E-02	8.98E-05	6.80E-05
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2	2022	8.5	0.5	15	9.64E-04	1.60E-02	5.98E-03	5.26E-07	0.00E+00	5.74E-07	5.74E-07	0.00E+00	5.28E-07	5.28E-07	5.31E-02	5.26E-05	3.99E-05
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilitie	2022	15	0.5	15	1.70E-03	2.83E-02	1.05E-02	9.27E-07	0.00E+00	1.01E-06	1.01E-06	0.00E+00	9.31E-07	9.31E-07	9.37E-02	9.29E-05	7.04E-05
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2	2022	6	0.5	15	6.80E-04	1.13E-02	4.22E-03	3.71E-07	0.00E+00	4.05E-07	4.05E-07	0.00E+00	3.73E-07	3.73E-07	3.75E-02	3.71E-05	2.81E-05
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping	2022	4.5	0.5	15	5.10E-04	8.49E-03	3.16E-03	2.78E-07	0.00E+00	3.04E-07	3.04E-07	0.00E+00	2.79E-07	2.79E-07	2.81E-02	2.79E-05	2.11E-05
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	0.5	15	1.76E-03	2.93E-02	1.09E-02	9.58E-07	0.00E+00	1.05E-06	1.05E-06	0.00E+00	9.62E-07	9.62E-07	9.68E-02	9.60E-05	7.27E-05
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities -	2022	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Appro	2022	5	0.5	15	5.67E-04	9.44E-03	3.51E-03	3.09E-07	0.00E+00	3.38E-07	3.38E-07	0.00E+00	3.10E-07	3.10E-07	3.12E-02	3.10E-05	2.35E-05
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	0.5	15	6.80E-04	1.13E-02	4.22E-03	3.71E-07	0.00E+00	4.05E-07	4.05E-07	0.00E+00	3.73E-07	3.73E-07	3.75E-02	3.71E-05	2.81E-05
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	0.5	15	1.64E-03	3.31E-02	1.02E-02	9.22E-07	0.00E+00	9.95E-07	9.95E-07	0.00E+00	9.15E-07	9.15E-07	9.31E-02	9.10E-05	7.13E-05
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	0.5	15	7.68E-04	1.54E-02	4.74E-03	4.30E-07	0.00E+00	4.64E-07	4.64E-07	0.00E+00	4.27E-07	4.27E-07	4.35E-02	4.25E-05	3.33E-05
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	0.5	15	4.39E-04	8.81E-03	2.71E-03	2.46E-07	0.00E+00	2.65E-07	2.65E-07	0.00E+00	2.44E-07	2.44E-07	2.48E-02	2.43E-05	1.90E-05
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	0.5	15	1.64E-03	3.31E-02	1.02E-02	9.22E-07	0.00E+00	9.95E-07	9.95E-07	0.00E+00	9.15E-07	9.15E-07	9.31E-02	9.10E-05	7.13E-05
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	0.5	15	1.64E-03	3.31E-02	1.02E-02	9.22E-07	0.00E+00	9.95E-07	9.95E-07	0.00E+00	9.15E-07	9.15E-07	9.31E-02	9.10E-05	7.13E-05
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	0.5	15	6.58E-04	1.32E-02	4.07E-03	3.69E-07	0.00E+00	3.98E-07	3.98E-07	0.00E+00	3.66E-07	3.66E-07	3.73E-02	3.64E-05	2.85E-05
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	0.5	15	2.19E-04	4.41E-03	1.36E-03	1.23E-07	0.00E+00	1.33E-07	1.33E-07	0.00E+00	1.22E-07	1.22E-07	1.24E-02	1.21E-05	9.50E-06
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	0.5	15	2.74E-03	5.51E-02	1.69E-02	1.54E-06	0.00E+00	1.66E-06	1.66E-06	0.00E+00	1.52E-06	1.52E-06	1.55E-01	1.52E-04	1.19E-04
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches -	2023	6	0.5	15	6.58E-04	1.32E-02	4.07E-03	3.69E-07	0.00E+00	3.98E-07	3.98E-07	0.00E+00	3.66E-07	3.66E-07	3.73E-02	3.64E-05	2.85E-05
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	0.5	15	6.58E-04	1.32E-02	4.07E-03	3.69E-07	0.00E+00	3.98E-07	3.98E-07	0.00E+00	3.66E-07	3.66E-07	3.73E-02	3.64E-05	2.85E-05
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavatio	2024	11.5	0.5	15	1.18E-03	2.54E-02	7.23E-03	6.74E-07	0.00E+00	7.26E-07	7.26E-07	0.00E+00	6.68E-07	6.68E-07	6.81E-02	6.58E-05	5.31E-05
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading -	2024	14.5	0.5	15	1.48E-03	3.21E-02	9.12E-03	8.49E-07	0.00E+00	9.16E-07	9.16E-07	0.00E+00	8.42E-07	8.42E-07	8.58E-02	8.30E-05	6.69E-05
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	0.5	15	1.48E-03	3.21E-02	9.12E-03	8.49E-07	0.00E+00	9.16E-07	9.16E-07	0.00E+00	8.42E-07	8.42E-07	8.58E-02	8.30E-05	6.69E-05
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concre	2024	8.5	0.5	15	8.70E-04	1.88E-02	5.35E-03	4.98E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.03E-02	4.87E-05	3.92E-05
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Ut	2024	15	0.5	15	1.54E-03	3.32E-02	9.44E-03	8.79E-07	0.00E+00	9.47E-07	9.47E-07	0.00E+00	8.71E-07	8.71E-07	8.88E-02	8.59E-05	6.92E-05
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electric	2024	6	0.5	15	6.14E-04	1.33E-02	3.77E-03	3.51E-07	0.00E+00	3.79E-07	3.79E-07	0.00E+00	3.48E-07	3.48E-07	3.55E-02	3.43E-05	2.77E-05
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landsc	2024	4.5	0.5	15	4.61E-04	9.96E-03	2.83E-03	2.64E-07	0.00E+00	2.84E-07	2.84E-07	0.00E+00	2.61E-07	2.61E-07	2.66E-02	2.58E-05	2.08E-05
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 20	2024	2	0.5	15	2.05E-04	4.42E-03	1.26E-03	1.17E-07	0.00E+00	1.26E-07	1.26E-07	0.00E+00	1.16E-07	1.16E-07	1.18E-02	1.14E-05	9.23E-06
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2	2024	15.5	0.5	15	1.59E-03	3.43E-02	9.75E-03	9.08E-07	0.00E+00	9.79E-07	9.79E-07	0.00E+00	9.00E-07	9.00E-07	9.18E-02	8.87E-05	7.15E-05
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utili	2024	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive A	2024	5.5	0.5	15	5.63E-04	1.22E-02	3.46E-03	3.22E-07	0.00E+00	3.47E-07	3.47E-07	0.00E+00	3.19E-07	3.19E-07	3.26E-02	3.15E-05	2.54E-05
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	0.5	15	6.14E-04	1.33E-02	3.77E-03	3.51E-07	0.00E+00	3.79E-07	3.79E-07	0.00E+00	3.48E-07	3.48E-07	3.55E-02	3.43E-05	2.77E-05

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
							MT/year			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 202	2020	9	0.5	15	262	7.03E-03	7.1655E-06	5.0624E-06	8.71E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	0.5	15	262	0.0015613	1.5923E-06	1.125E-06	1.94E-03
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	0.5	15	262	0.01951631	1.9904E-05	1.4062E-05	2.42E-02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	0.5	15	262	0.00468391	4.777E-06	3.375E-06	5.81E-03
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 20	2020	2	0.5	15	262	0.0015613	1.5923E-06	1.125E-06	1.94E-03
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities	2020	15	0.5	15	262	0.01170979	1.1943E-05	8.4374E-06	1.45E-02
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 20	2020	6	0.5	15	262	0.00468391	4.777E-06	3.375E-06	5.81E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2	2020	0	0.5	15	262	0	0	0	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping	2020	7	0.5	15	262	0.00546457	5.5732E-06	3.9374E-06	6.78E-03
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	0.5	15	262	0.00468391	4.777E-06	3.375E-06	5.81E-03
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Appro	2020	4	0.5	15	262	0.00312261	3.1847E-06	2.25E-06	3.87E-03
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	0.5	15	261	0.00678748	6.8245E-06	4.9949E-06	8.45E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	0.5	15	261	0.00150833	1.5166E-06	1.11E-06	1.88E-03
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	0.5	15	261	0.01885412	1.8957E-05	1.3875E-05	2.35E-02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	0.5	15	261	0.00150833	1.5166E-06	1.11E-06	1.88E-03
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	0.5	15	261	0.00150833	1.5166E-06	1.11E-06	1.88E-03
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	0.5	15	261	0.00452499	4.5497E-06	3.3299E-06	5.63E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	0.5	15	261	0.00527915	5.3079E-06	3.8849E-06	6.57E-03
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	0.5	15	261	0.00452499	4.5497E-06	3.3299E-06	5.63E-03
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	15	261	0	0	0	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches -	2021	4	0.5	15	261	0.00301666	3.0331E-06	2.22E-06	3.75E-03
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	0.5	15	261	0.00452499	4.5497E-06	3.3299E-06	5.63E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 20	2022	12	0.5	15	260	0.00884201	8.7618E-06	6.6395E-06	1.10E-02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	0.5	15	260	0.00331575	3.2857E-06	2.4898E-06	4.14E-03
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	0.5	15	260	0.01068409	1.0587E-05	8.0228E-06	1.33E-02
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2	2022	8.5	0.5	15	260	0.00626309	6.2063E-06	4.703E-06	7.82E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilitie	2022	15	0.5	15	260	0.01105251	1.0952E-05	8.2994E-06	1.38E-02
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2	2022	6	0.5	15	260	0.004421	4.3809E-06	3.3198E-06	5.52E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping	2022	4.5	0.5	15	260	0.00331575	3.2857E-06	2.4898E-06	4.14E-03
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	0.5	15	260	0.01142093	1.1317E-05	8.5761E-06	1.43E-02
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities -	2022	0	0.5	15	260	0	0	0	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Appro	2022	5	0.5	15	260	0.00368417	3.6507E-06	2.7665E-06	4.60E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	0.5	15	260	0.004421	4.3809E-06	3.3198E-06	5.52E-03
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	0.5	15	260	0.01098478	1.0735E-05	8.4033E-06	1.38E-02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	0.5	15	260	0.00512623	5.0097E-06	3.9215E-06	6.42E-03
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	0.5	15	260	0.00292928	2.8627E-06	2.2409E-06	3.67E-03
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	0.5	15	260	0.01098478	1.0735E-05	8.4033E-06	1.38E-02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	0.5	15	260	0.01098478	1.0735E-05	8.4033E-06	1.38E-02
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	0.5	15	260	0.00439391	4.2941E-06	3.3613E-06	5.50E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	0.5	15	260	0.00146464	1.4314E-06	1.1204E-06	1.83E-03
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	15	260	0	0	0	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	0.5	15	260	0.01830797	1.7892E-05	1.4006E-05	2.29E-02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	15	260	0	0	0	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches -	2023	6	0.5	15	260	0.00439391	4.2941E-06	3.3613E-06	5.50E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	0.5	15	260	0.00439391	4.2941E-06	3.3613E-06	5.50E-03
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavatio	2024	11.5	0.5	15	262	0.00809023	7.8241E-06	6.3053E-06	1.02E-02
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading -	2024	14.5	0.5	15	262	0.01020073	9.8652E-06	7.9501E-06	1.28E-02
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	0.5	15	262	0.01020073	9.8652E-06	7.9501E-06	1.28E-02
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concre	2024	8.5	0.5	15	262	0.00597974	5.7831E-06	4.6604E-06	7.51E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Ut	2024	15	0.5	15	262	0.01055248	1.0205E-05	8.2243E-06	1.33E-02
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electric	2024	6	0.5	15	262	0.00422099	4.0822E-06	3.2897E-06	5.30E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landsc	2024	4.5	0.5	15	262	0.00316574	3.0616E-06	2.4673E-06	3.98E-03
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 20	2024	2	0.5	15	262	0.001407	1.3607E-06	1.0966E-06	1.77E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2	2024	15.5	0.5	15	262	0.01090423	1.0546E-05	8.4984E-06	1.37E-02
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utili	2024	0	0.5	15	262	0	0	0	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive A	2024	5.5	0.5	15	262	0.00386924	3.742E-06	3.0156E-06	4.86E-03
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	0.5	15	262	0.00422099	4.0822E-06	3.2897E-06	5.30E-03

Vendor Idling Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/min)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 20	2020	9	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2	2020	2	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities	2020	15	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2	2020	6	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities -	2020	0	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscapir	2020	7	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Appr	2020	4	0.5	15	6.50E-02	7.55E-01	9.53E-01	1.12E-03	0.00E+00	1.95E-03	1.95E-03	0.00E+00	1.87E-03	1.87E-03	1.18E+02	6.73E-03	8.72E-02
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 202	2021	2	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 202	2021	7	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches	2021	4	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	0.5	15	6.39E-02	7.06E-01	9.52E-01	1.10E-03	0.00E+00	1.61E-03	1.61E-03	0.00E+00	1.54E-03	1.54E-03	1.16E+02	6.66E-03	8.57E-02
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2	2022	12	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 202	2022	4.5	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete -	2022	8.5	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utiliti	2022	15	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical -	2022	6	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscapir	2022	4.5	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities	2022	0	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Appr	2022	5	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	0.5	15	6.24E-02	6.20E-01	9.54E-01	1.08E-03	0.00E+00	9.49E-04	9.49E-04	0.00E+00	9.08E-04	9.08E-04	1.14E+02	6.61E-03	8.40E-02
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 202	2023	15	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 202	2023	2	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches	2023	6	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	0.5	15	6.15E-02	5.01E-01	9.83E-01	1.04E-03	0.00E+00	3.44E-04	3.44E-04	0.00E+00	3.29E-04	3.29E-04	1.10E+02	6.64E-03	8.33E-02
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavati	2024	11.5	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading	2024	14.5	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concr	2024	8.5	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet U	2024	15	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electr	2024	6	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Lands	2024	4.5	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2	2024	2	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping -	2024	15.5	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Uti	2024	0	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive	2024	5.5	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	0.5	15	6.03E-02	4.95E-01	9.69E-01	1.03E-03	0.00E+00	3.12E-04	3.12E-04	0.00E+00	2.99E-04	2.99E-04	1.08E+02	6.51E-03	8.16E-02

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 20	2020	9	0.5	15	1.49E-01	6.45E-04	7.49E-03	9.45E-03	1.11E-05	0.00E+00	1.94E-05	1.94E-05	0.00E+00	1.85E-05	1.85E-05	1.17E+00	6.67E-05
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	0.5	15	3.31E-02	1.43E-04	1.66E-03	2.10E-03	2.47E-06	0.00E+00	4.30E-06	4.30E-06	0.00E+00	4.12E-06	4.12E-06	2.59E-01	1.48E-05
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	0.5	15	4.13E-01	1.79E-03	2.08E-02	2.63E-02	3.09E-05	0.00E+00	5.38E-05	5.38E-05	0.00E+00	5.15E-05	5.15E-05	3.24E+00	1.85E-04
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	0.5	15	9.92E-02	4.30E-04	4.99E-03	6.30E-03	7.42E-06	0.00E+00	1.29E-05	1.29E-05	0.00E+00	1.24E-05	1.24E-05	7.78E-01	4.45E-05
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2	2020	2	0.5	15	3.31E-02	1.43E-04	1.66E-03	2.10E-03	2.47E-06	0.00E+00	4.30E-06	4.30E-06	0.00E+00	4.12E-06	4.12E-06	2.59E-01	1.48E-05
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities	2020	15	0.5	15	2.48E-01	1.08E-03	1.25E-02	1.58E-02	1.85E-05	0.00E+00	3.23E-05	3.23E-05	0.00E+00	3.09E-05	3.09E-05	1.94E+00	1.11E-04
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2	2020	6	0.5	15	9.92E-02	4.30E-04	4.99E-03	6.30E-03	7.42E-06	0.00E+00	1.29E-05	1.29E-05	0.00E+00	1.24E-05	1.24E-05	7.78E-01	4.45E-05
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities -	2020	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscapir	2020	7	0.5	15	1.16E-01	5.02E-04	5.83E-03	7.35E-03	8.66E-06	0.00E+00	1.51E-05	1.51E-05	0.00E+00	1.44E-05	1.44E-05	9.08E-01	5.19E-05
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	0.5	15	9.92E-02	4.30E-04	4.99E-03	6.30E-03	7.42E-06	0.00E+00	1.29E-05	1.29E-05	0.00E+00	1.24E-05	1.24E-05	7.78E-01	4.45E-05
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Appr	2020	4	0.5	15	6.61E-02	2.87E-04	3.33E-03	4.20E-03	4.95E-06	0.00E+00	8.61E-06	8.61E-06	0.00E+00	8.24E-06	8.24E-06	5.19E-01	2.97E-05
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	0.5	15	1.49E-01	6.33E-04	7.01E-03	9.44E-03	1.10E-05	0.00E+00	1.60E-05	1.60E-05	0.00E+00	1.53E-05	1.53E-05	1.15E+00	6.61E-05
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	0.5	15	3.31E-02	1.41E-04	1.56E-03	2.10E-03	2.43E-06	0.00E+00	3.56E-06	3.56E-06	0.00E+00	3.40E-06	3.40E-06	2.55E-01	1.47E-05
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	0.5	15	4.13E-01	1.76E-03	1.95E-02	2.62E-02	3.04E-05	0.00E+00	4.45E-05	4.45E-05	0.00E+00	4.25E-05	4.25E-05	3.19E+00	1.83E-04
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	0.5	15	3.31E-02	1.41E-04	1.56E-03	2.10E-03	2.43E-06	0.00E+00	3.56E-06	3.56E-06	0.00E+00	3.40E-06	3.40E-06	2.55E-01	1.47E-05
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 202	2021	2	0.5	15	3.31E-02	1.41E-04	1.56E-03	2.10E-03	2.43E-06	0.00E+00	3.56E-06	3.56E-06	0.00E+00	3.40E-06	3.40E-06	2.55E-01	1.47E-05
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	0.5	15	9.92E-02	4.22E-04	4.67E-03	6.30E-03	7.30E-06	0.00E+00	1.07E-05	1.07E-05	0.00E+00	1.02E-05	1.02E-05	7.66E-01	4.40E-05
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 202	2021	7	0.5	15	1.16E-01	4.93E-04	5.45E-03	7.34E-03	8.52E-06	0.00E+00	1.25E-05	1.25E-05	0.00E+00	1.19E-05	1.19E-05	8.94E-01	5.14E-05
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	0.5	15	9.92E-02	4.22E-04	4.67E-03	6.30E-03	7.30E-06	0.00E+00	1.07E-05	1.07E-05	0.00E+00	1.02E-05	1.02E-05	7.66E-01	4.40E-05
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches	2021	4	0.5	15	6.61E-02	2.82E-04	3.11E-03	4.20E-03	4.87E-06	0.00E+00	7.11E-06	7.11E-06	0.00E+00	6.81E-06	6.81E-06	5.11E-01	2.94E-05
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	0.5	15	9.92E-02	4.22E-04	4.67E-03	6.30E-03	7.30E-06	0.00E+00	1.07E-05	1.07E-05	0.00E+00	1.02E-05	1.02E-05	7.66E-01	4.40E-05
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2	2022	12	0.5	15	1.98E-01	8.25E-04	8.21E-03	1.26E-02	1.43E-05	0.00E+00	1.26E-05	1.26E-05	0.00E+00	1.20E-05	1.20E-05	1.50E+00	8.74E-05
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 202	2022	4.5	0.5	15	7.44E-02	3.09E-04	3.08E-03	4.73E-03	5.37E-06	0.00E+00	4.71E-06	4.71E-06	0.00E+00	4.50E-06	4.50E-06	5.64E-01	3.28E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	0.5	15	2.40E-01	9.97E-04	9.91E-03	1.53E-02	1.73E-05	0.00E+00	1.52E-05	1.52E-05	0.00E+00	1.45E-05	1.45E-05	1.82E+00	1.06E-04
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete -	2022	8.5	0.5	15	1.41E-01	5.84E-04	5.81E-03	8.94E-03	1.01E-05	0.00E+00	8.89E-06	8.89E-06	0.00E+00	8.51E-06	8.51E-06	1.06E+00	6.19E-05
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utiliti	2022	15	0.5	15	2.48E-01	1.03E-03	1.03E-02	1.58E-02	1.79E-05	0.00E+00	1.57E-05	1.57E-05	0.00E+00	1.50E-05	1.50E-05	1.88E+00	1.09E-04
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical -	2022	6	0.5	15	9.92E-02	4.12E-04	4.10E-03	6.31E-03	7.16E-06	0.00E+00	6.28E-06	6.28E-06	0.00E+00	6.01E-06	6.01E-06	7.52E-01	4.37E-05
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscapir	2022	4.5	0.5	15	7.44E-02	3.09E-04	3.08E-03	4.73E-03	5.37E-06	0.00E+00	4.71E-06	4.71E-06	0.00E+00	4.50E-06	4.50E-06	5.64E-01	3.28E-05
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	0.5	15	2.56E-01	1.07E-03	1.06E-02	1.63E-02	1.85E-05	0.00E+00	1.62E-05	1.62E-05	0.00E+00	1.55E-05	1.55E-05	1.94E+00	1.13E-04
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities	2022	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Appr	2022	5	0.5	15	8.27E-02	3.44E-04	3.42E-03	5.26E-03	5.97E-06	0.00E+00	5.23E-06	5.23E-06	0.00E+00	5.01E-06	5.01E-06	6.26E-01	3.64E-05
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	0.5	15	9.92E-02	4.12E-04	4.10E-03	6.31E-03	7.16E-06	0.00E+00	6.28E-06	6.28E-06	0.00E+00	6.01E-06	6.01E-06	7.52E-01	4.37E-05
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	0.5	15	2.48E-01	1.02E-03	8.28E-03	1.63E-02	1.73E-05	0.00E+00	5.68E-06	5.68E-06	0.00E+00	5.44E-06	5.44E-06	1.81E+00	1.10E-04
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	0.5	15	1.16E-01	4.75E-04	3.86E-03	7.59E-03	8.05E-06	0.00E+00	2.65E-06	2.65E-06	0.00E+00	2.54E-06	2.54E-06	8.46E-01	5.12E-05
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	0.5	15	6.61E-02	2.71E-04	2.21E-03	4.34E-03	4.60E-06	0.00E+00	1.52E-06	1.52E-06	0.00E+00	1.45E-06	1.45E-06	4.83E-01	2.93E-05
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	0.5	15	2.48E-01	1.02E-03	8.28E-03	1.63E-02	1.73E-05	0.00E+00	5.68E-06	5.68E-06	0.00E+00	5.44E-06	5.44E-06	1.81E+00	1.10E-04
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 202	2023	15	0.5	15	2.48E-01	1.02E-03	8.28E-03	1.63E-02	1.73E-05	0.00E+00	5.68E-06	5.68E-06	0.00E+00	5.44E-06	5.44E-06	1.81E+00	1.10E-04
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	0.5	15	9.92E-02	4.07E-04	3.31E-03	6.50E-03	6.90E-06	0.00E+00	2.27E-06	2.27E-06	0.00E+00	2.17E-06	2.17E-06	7.25E-01	4.39E-05
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 202	2023	2	0.5	15	3.31E-02	1.36E-04	1.10E-03	2.17E-03	2.30E-06	0.00E+00	7.58E-07	7.58E-07	0.00E+00	7.25E-07	7.25E-07	2.42E-01	1.46E-05
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	0.5	15	4.13E-01	1.70E-03	1.38E-02	2.71E-02	2.88E-05	0.00E+00	9.47E-06	9.47E-06	0.00E+00	9.06E-06	9.06E-06	3.02E+00	1.83E-04
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches	2023	6	0.5	15	9.92E-02	4.07E-04	3.31E-03	6.50E-03	6.90E-06	0.00E+00	2.27E-06	2.27E-06	0.00E+00	2.17E-06	2.17E-06	7.25E-01	4.39E-05
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	0.5	15	9.92E-02	4.07E-04	3.31E-03	6.50E-03	6.90E-06	0.00E+00	2.27E-06	2.27E-06	0.00E+00	2.17E-06	2.17E-06	7.25E-01	4.39E-05
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavatio	2024	11.5	0.5	15	1.90E-01	7.65E-04	6.27E-03	1.23E-02	1.30E-05	0.00E+00	3.96E-06	3.96E-06	0.00E+00	3.79E-06	3.79E-06	1.37E+00	8.25E-05
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading	2024	14.5	0.5	15	2.40E-01	9.64E-04	7.91E-03	1.55E-02	1.64E-05	0.00E+00	4.99E-06	4.99E-06	0.00E+00	4.78E-06	4.78E-06	1.73E+00	1.04E-04
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	0.5	15	2.40E-01	9.64E-04	7.91E-03	1.55E-02	1.64E-05	0.00E+00	4.99E-06	4.99E-06	0.00E+00	4.78E-06	4.78E-06	1.73E+00	1.04E-04
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concr	2024	8.5	0.5	15	1.41E-01	5.65E-04	4.63E-03	9.08E-03	9.63E-06	0.00E+00	2.93E-06	2.93E-06	0.00E+00	2.80E-06	2.80E-06	1.01E+00	6.10E-05
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet U	2024	15	0.5	15	2.48E-01	9.98E-04	8.18E-03	1.60E-02	1.70E-05	0.00E+00	5.16E-06	5.16E-06	0.00E+00	4.94E-06	4.94E-06	1.79E+00	1.08E-04
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electr	2024	6	0.5	15	9.92E-02	3.99E-04	3.27E-03	6.41E-03	6.79E-06	0.00E+00	2.07E-06	2.07E-06	0.00E+00	1.98E-06	1.98E-06	7.14E-01	4.30E-05
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Lands	2024	4.5	0.5	15	7.44E-02	2.99E-04	2.45E-03	4.81E-03	5.10E-06	0.00E+00	1.55E-06	1.55E-06	0.00E+00	1.48E-06	1.48E-06	5.36E-01	3.23E-05
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2	2024	2	0.5	15	3.31E-02	1.33E-04	1.09E-03	2.14E-03	2.26E-06	0.00E+00	6.88E-07	6.88E-07	0.00E+00	6.59E-07	6.59E-07	2.38E-01	1.43E-05
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2	2024	15.5	0.5	15	2.56E-01	1.03E-03	8.45E-03	1.66E-02	1.76E-05	0.00E+00	5.34E-06	5.34E-06	0.00E+00	5.10E-06	5.10E-06	1.85E+00	1.11E-04
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Uti	2024	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive	2024	5.5	0.5	15	9.09E-02	3.66E-04	3.00E-03	5.88E-03	6.23E-06	0.00E+00	1.89E-06	1.89E-06	0.00E+00	1.81E-06	1.81E-06	6.55E-01	3.94E-05
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	0.5	15	9.92E-02	3.99E-04	3.27E-03	6.41E-03	6.79E-06	0.00E+00	2.07E-06	2.07E-06	0.00E+00	1.98E-06	1.98E-06	7.14E-01	4.30E-05

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
							MT/year			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 20	2020	9	0.5	15	262	2.20E-06	0.13868	7.929E-06	3.47E+00
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	0.5	15	262	4.894E-07	0.0308178	1.762E-06	7.71E-01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	0.5	15	262	6.117E-06	0.3852221	2.203E-05	9.64E+00
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	0.5	15	262	1.468E-06	0.0924533	5.286E-06	2.31E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2	2020	2	0.5	15	262	4.894E-07	0.0308178	1.762E-06	7.71E-01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities	2020	15	0.5	15	262	3.67E-06	0.2311333	1.322E-05	5.78E+00
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2	2020	6	0.5	15	262	1.468E-06	0.0924533	5.286E-06	2.31E+00
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities -	2020	0	0.5	15	262	0	0	0	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscapir	2020	7	0.5	15	262	1.713E-06	0.1078622	6.167E-06	2.70E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	0.5	15	262	1.468E-06	0.0924533	5.286E-06	2.31E+00
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Appr	2020	4	0.5	15	262	9.787E-07	0.0616355	3.524E-06	1.54E+00
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	0.5	15	261	1.813E-06	0.1360886	7.82E-06	3.40E+00
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	0.5	15	261	4.029E-07	0.0302419	1.738E-06	7.57E-01
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	0.5	15	261	5.036E-06	0.378024	2.172E-05	9.46E+00
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	0.5	15	261	4.029E-07	0.0302419	1.738E-06	7.57E-01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 202	2021	2	0.5	15	261	4.029E-07	0.0302419	1.738E-06	7.57E-01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	0.5	15	261	1.209E-06	0.0907258	5.213E-06	2.27E+00
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 202	2021	7	0.5	15	261	1.41E-06	0.1058467	6.082E-06	2.65E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	0.5	15	261	1.209E-06	0.0907258	5.213E-06	2.27E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	0.5	15	261	0	0	0	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches	2021	4	0.5	15	261	8.058E-07	0.0604838	3.475E-06	1.51E+00
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	0.5	15	261	1.209E-06	0.0907258	5.213E-06	2.27E+00
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2	2022	12	0.5	15	260	1.417E-06	0.1773172	1.031E-05	4.44E+00
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 202	2022	4.5	0.5	15	260	5.313E-07	0.0664939	3.867E-06	1.66E+00
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	0.5	15	260	1.712E-06	0.2142583	1.246E-05	5.36E+00
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete -	2022	8.5	0.5	15	260	1.003E-06	0.1255997	7.305E-06	3.14E+00
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utiliti	2022	15	0.5	15	260	1.771E-06	0.2216465	1.289E-05	5.55E+00
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical -	2022	6	0.5	15	260	7.083E-07	0.0886586	5.157E-06	2.22E+00
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscapir	2022	4.5	0.5	15	260	5.313E-07	0.0664939	3.867E-06	1.66E+00
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	0.5	15	260	1.83E-06	0.2290347	1.332E-05	5.73E+00
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities	2022	0	0.5	15	260	0	0	0	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Appr	2022	5	0.5	15	260	5.903E-07	0.0738822	4.297E-06	1.85E+00
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	0.5	15	260	7.083E-07	0.0886586	5.157E-06	2.22E+00
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	0.5	15	260	6.413E-07	0.2137882	1.295E-05	5.35E+00
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	0.5	15	260	2.993E-07	0.0997678	6.042E-06	2.50E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	0.5	15	260	1.71E-07	0.0570102	3.453E-06	1.43E+00
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	0.5	15	260	6.413E-07	0.2137882	1.295E-05	5.35E+00
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 202	2023	15	0.5	15	260	6.413E-07	0.2137882	1.295E-05	5.35E+00
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	0.5	15	260	2.565E-07	0.0855153	5.179E-06	2.14E+00
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 202	2023	2	0.5	15	260	8.55E-08	0.0285051	1.726E-06	7.13E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	0.5	15	260	0	0	0	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	0.5	15	260	1.069E-06	0.3563137	2.158E-05	8.91E+00
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	0.5	15	260	0	0	0	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches	2023	6	0.5	15	260	2.565E-07	0.0855153	5.179E-06	2.14E+00
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	0.5	15	260	2.565E-07	0.0855153	5.179E-06	2.14E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavati	2024	11.5	0.5	15	262	4.501E-07	0.1627046	9.801E-06	4.07E+00
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading	2024	14.5	0.5	15	262	5.675E-07	0.2051493	1.236E-05	5.13E+00
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	0.5	15	262	5.675E-07	0.2051493	1.236E-05	5.13E+00
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concr	2024	8.5	0.5	15	262	3.327E-07	0.1202599	7.244E-06	3.01E+00
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet U	2024	15	0.5	15	262	5.871E-07	0.2122234	1.278E-05	5.31E+00
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electr	2024	6	0.5	15	262	2.348E-07	0.0848894	5.113E-06	2.12E+00
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Lands	2024	4.5	0.5	15	262	1.761E-07	0.063667	3.835E-06	1.59E+00
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2	2024	2	0.5	15	262	7.828E-08	0.0282965	1.704E-06	7.08E-01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2	2024	15.5	0.5	15	262	6.066E-07	0.2192975	1.321E-05	5.49E+00
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Uti	2024	0	0.5	15	262	0	0	0	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive	2024	5.5	0.5	15	262	2.153E-07	0.0778152	4.687E-06	1.95E+00
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	0.5	15	262	2.348E-07	0.0848894	5.113E-06	2.12E+00

Haul Running Emission Factors

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission Factor (g/mile)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	0.5	3.80E-02	2.35E+00	2.25E-01	1.31E-02	1.89E+02	2.31E-02	1.89E+02	1.89E+01	2.21E-02	1.89E+01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	0.5	3.80E-02	2.35E+00	2.25E-01	1.31E-02	1.89E+02	2.31E-02	1.89E+02	1.89E+01	2.21E-02	1.89E+01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	0.5	3.80E-02	2.35E+00	2.25E-01	1.31E-02	1.89E+02	2.31E-02	1.89E+02	1.89E+01	2.21E-02	1.89E+01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	0.5	3.80E-02	2.35E+00	2.25E-01	1.31E-02	1.89E+02	2.31E-02	1.89E+02	1.89E+01	2.21E-02	1.89E+01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	0.5	3.80E-02	2.35E+00	2.25E-01	1.31E-02	1.89E+02	2.31E-02	1.89E+02	1.89E+01	2.21E-02	1.89E+01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	0.5	3.80E-02	2.35E+00	2.25E-01	1.31E-02	1.89E+02	2.31E-02	1.89E+02	1.89E+01	2.21E-02	1.89E+01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	0.5	3.80E-02	2.35E+00	2.25E-01	1.31E-02	1.89E+02	2.31E-02	1.89E+02	1.89E+01	2.21E-02	1.89E+01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	0.5	3.80E-02	2.35E+00	2.25E-01	1.31E-02	1.89E+02	2.31E-02	1.89E+02	1.89E+01	2.21E-02	1.89E+01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	0.5	3.80E-02	2.35E+00	2.25E-01	1.31E-02	1.89E+02	2.31E-02	1.89E+02	1.89E+01	2.21E-02	1.89E+01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	0.5	3.80E-02	2.35E+00	2.25E-01	1.31E-02	1.89E+02	2.31E-02	1.89E+02	1.89E+01	2.21E-02	1.89E+01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	0.5	3.80E-02	2.35E+00	2.25E-01	1.31E-02	1.89E+02	2.31E-02	1.89E+02	1.89E+01	2.21E-02	1.89E+01	1.39E+03	1.77E-03	2.19E-01
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	0.5	3.66E-02	2.36E+00	2.26E-01	1.30E-02	1.89E+02	2.32E-02	1.89E+02	1.89E+01	2.22E-02	1.89E+01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	0.5	3.66E-02	2.36E+00	2.26E-01	1.30E-02	1.89E+02	2.32E-02	1.89E+02	1.89E+01	2.22E-02	1.89E+01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	0.5	3.66E-02	2.36E+00	2.26E-01	1.30E-02	1.89E+02	2.32E-02	1.89E+02	1.89E+01	2.22E-02	1.89E+01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	0.5	3.66E-02	2.36E+00	2.26E-01	1.30E-02	1.89E+02	2.32E-02	1.89E+02	1.89E+01	2.22E-02	1.89E+01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	0.5	3.66E-02	2.36E+00	2.26E-01	1.30E-02	1.89E+02	2.32E-02	1.89E+02	1.89E+01	2.22E-02	1.89E+01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	0.5	3.66E-02	2.36E+00	2.26E-01	1.30E-02	1.89E+02	2.32E-02	1.89E+02	1.89E+01	2.22E-02	1.89E+01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	0.5	3.66E-02	2.36E+00	2.26E-01	1.30E-02	1.89E+02	2.32E-02	1.89E+02	1.89E+01	2.22E-02	1.89E+01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	0.5	3.66E-02	2.36E+00	2.26E-01	1.30E-02	1.89E+02	2.32E-02	1.89E+02	1.89E+01	2.22E-02	1.89E+01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	0.5	3.66E-02	2.36E+00	2.26E-01	1.30E-02	1.89E+02	2.32E-02	1.89E+02	1.89E+01	2.22E-02	1.89E+01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	0.5	3.66E-02	2.36E+00	2.26E-01	1.30E-02	1.89E+02	2.32E-02	1.89E+02	1.89E+01	2.22E-02	1.89E+01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	0.5	3.66E-02	2.36E+00	2.26E-01	1.30E-02	1.89E+02	2.32E-02	1.89E+02	1.89E+01	2.22E-02	1.89E+01	1.37E+03	1.70E-03	2.16E-01
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	0.5	3.47E-02	2.39E+00	2.24E-01	1.27E-02	1.89E+02	2.30E-02	1.89E+02	1.89E+01	2.20E-02	1.89E+01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	0.5	3.47E-02	2.39E+00	2.24E-01	1.27E-02	1.89E+02	2.30E-02	1.89E+02	1.89E+01	2.20E-02	1.89E+01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	0.5	3.47E-02	2.39E+00	2.24E-01	1.27E-02	1.89E+02	2.30E-02	1.89E+02	1.89E+01	2.20E-02	1.89E+01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	0.5	3.47E-02	2.39E+00	2.24E-01	1.27E-02	1.89E+02	2.30E-02	1.89E+02	1.89E+01	2.20E-02	1.89E+01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	0.5	3.47E-02	2.39E+00	2.24E-01	1.27E-02	1.89E+02	2.30E-02	1.89E+02	1.89E+01	2.20E-02	1.89E+01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	0.5	3.47E-02	2.39E+00	2.24E-01	1.27E-02	1.89E+02	2.30E-02	1.89E+02	1.89E+01	2.20E-02	1.89E+01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	0.5	3.47E-02	2.39E+00	2.24E-01	1.27E-02	1.89E+02	2.30E-02	1.89E+02	1.89E+01	2.20E-02	1.89E+01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	0.5	3.47E-02	2.39E+00	2.24E-01	1.27E-02	1.89E+02	2.30E-02	1.89E+02	1.89E+01	2.20E-02	1.89E+01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	0.5	3.47E-02	2.39E+00	2.24E-01	1.27E-02	1.89E+02	2.30E-02	1.89E+02	1.89E+01	2.20E-02	1.89E+01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	0.5	3.47E-02	2.39E+00	2.24E-01	1.27E-02	1.89E+02	2.30E-02	1.89E+02	1.89E+01	2.20E-02	1.89E+01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	0.5	3.47E-02	2.39E+00	2.24E-01	1.27E-02	1.89E+02	2.30E-02	1.89E+02	1.89E+01	2.20E-02	1.89E+01	1.35E+03	1.61E-03	2.12E-01
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	0.5	1.82E-02	2.47E+00	1.93E-01	1.23E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	0.5	1.82E-02	2.47E+00	1.93E-01	1.23E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	0.5	1.82E-02	2.47E+00	1.93E-01	1.23E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	0.5	1.82E-02	2.47E+00	1.93E-01	1.23E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	0.5	1.82E-02	2.47E+00	1.93E-01	1.23E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	0.5	1.82E-02	2.47E+00	1.93E-01	1.23E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	0.5	1.82E-02	2.47E+00	1.93E-01	1.23E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	0.5	1.82E-02	2.47E+00	1.93E-01	1.23E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	0.5	1.82E-02	2.47E+00	1.93E-01	1.23E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	0.5	1.82E-02	2.47E+00	1.93E-01	1.23E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	0.5	1.82E-02	2.47E+00	1.93E-01	1.23E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	0.5	1.82E-02	2.47E+00	1.93E-01	1.23E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.30E+03	8.46E-04	2.05E-01
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	0.5	1.85E-02	2.47E+00	1.97E-01	1.22E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	0.5	1.85E-02	2.47E+00	1.97E-01	1.22E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	0.5	1.85E-02	2.47E+00	1.97E-01	1.22E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	0.5	1.85E-02	2.47E+00	1.97E-01	1.22E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	0.5	1.85E-02	2.47E+00	1.97E-01	1.22E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	0.5	1.85E-02	2.47E+00	1.97E-01	1.22E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	0.5	1.85E-02	2.47E+00	1.97E-01	1.22E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	0.5	1.85E-02	2.47E+00	1.97E-01	1.22E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	0.5	1.85E-02	2.47E+00	1.97E-01	1.22E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	0.5	1.85E-02	2.47E+00	1.97E-01	1.22E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	0.5	1.85E-02	2.47E+00	1.97E-01	1.22E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	0.5	1.85E-02	2.47E+00	1.97E-01	1.22E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.29E+03	8.57E-04	2.02E-01

							Daily Emissions												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	0.5	2.73E-04	1.68E-02	1.61E-03	9.43E-05	1.35E+00	1.65E-04	1.36E+00	1.35E-01	1.58E-04	1.35E-01	9.98E+00	1.27E-05	1.57E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	0.5	4.16E-06	2.57E-04	2.46E-05	1.44E-06	2.07E-02	2.52E-06	2.07E-02	2.06E-03	2.41E-06	2.07E-03	1.52E-01	1.93E-07	2.39E-05
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	0.5	1.00E-03	6.18E-02	5.92E-03	3.46E-04	4.97E+00	6.07E-04	4.98E+00	4.97E-01	5.81E-04	4.97E-01	3.66E+01	4.65E-05	5.76E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	0.5	1.20E-03	7.42E-02	7.11E-03	4.15E-04	5.97E+00	7.29E-04	5.97E+00	5.96E-01	6.97E-04	5.97E-01	4.40E+01	5.58E-05	6.91E-03
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	0.5	3.50E-04	2.16E-02	2.07E-03	1.21E-04	1.74E+00	2.13E-04	1.74E+00	1.74E-01	2.03E-04	1.74E-01	1.28E+01	1.63E-05	2.02E-03
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	0.5	8.01E-04	4.95E-02	4.74E-03	2.77E-04	3.98E+00	4.86E-04	3.98E+00	3.97E-01	4.65E-04	3.98E-01	2.93E+01	3.72E-05	4.61E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	0.5	8.44E-05	5.22E-03	5.00E-04	2.92E-05	4.20E-01	5.12E-05	4.20E-01	4.19E-02	4.90E-05	4.19E-02	3.09E+00	3.92E-06	4.86E-04
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	0.5	9.98E-05	6.16E-03	5.90E-04	3.45E-05	4.96E-01	6.05E-05	4.96E-01	4.95E-02	5.79E-05	4.96E-02	3.65E+00	4.64E-06	5.74E-04
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	0.5	2.64E-04	1.70E-02	1.63E-03	9.33E-05	1.36E+00	1.67E-04	1.36E+00	1.36E-01	1.60E-04	1.36E-01	9.88E+00	1.23E-05	1.55E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	0.5	8.05E-06	5.19E-04	4.96E-05	2.85E-06	4.15E-02	5.09E-06	4.15E-02	4.14E-03	4.87E-06	4.15E-03	3.01E-01	3.74E-07	4.73E-05
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	0.5	9.69E-04	6.24E-02	5.97E-03	3.43E-04	4.99E+00	6.13E-04	4.99E+00	4.99E-01	5.86E-04	4.99E-01	3.63E+01	4.50E-05	5.70E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	0.5	1.16E-03	7.49E-02	7.17E-03	4.11E-04	5.99E+00	7.35E-04	5.99E+00	5.98E-01	7.04E-04	5.99E-01	4.35E+01	5.40E-05	6.84E-03
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	0.5	1.16E-03	7.49E-02	7.17E-03	4.11E-04	5.99E+00	7.35E-04	5.99E+00	5.98E-01	7.04E-04	5.99E-01	4.35E+01	5.40E-05	6.84E-03
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	0.5	7.75E-04	5.00E-02	4.78E-03	2.74E-04	4.00E+00	4.90E-04	4.00E+00	3.99E-01	4.69E-04	3.99E-01	2.90E+01	3.60E-05	4.56E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	0.5	9.66E-05	6.23E-03	5.95E-04	3.41E-05	4.98E-01	6.11E-05	4.98E-01	4.97E-02	5.84E-05	4.98E-02	3.61E+00	4.49E-06	5.68E-04
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	0.5	8.17E-05	5.27E-03	5.04E-04	2.89E-05	4.21E-01	5.17E-05	4.21E-01	4.21E-02	4.95E-05	4.21E-02	3.06E+00	3.80E-06	4.81E-04
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	0.5	4.33E-04	2.98E-02	2.79E-03	1.59E-04	2.36E+00	2.87E-04	2.36E+00	2.35E-01	2.75E-04	2.36E-01	1.68E+01	2.01E-05	2.64E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	0.5	3.82E-06	2.63E-04	2.46E-05	1.40E-06	2.08E-02	2.54E-06	2.08E-02	2.08E-03	2.43E-06	2.08E-03	1.48E-01	1.77E-07	2.33E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	0.5	5.06E-04	3.48E-02	3.26E-03	1.86E-04	2.76E+00	3.36E-04	2.76E+00	2.75E-01	3.21E-04	2.76E-01	1.97E+01	2.35E-05	3.09E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	0.5	8.59E-04	5.92E-02	5.54E-03	3.15E-04	4.68E+00	5.71E-04	4.68E+00	4.68E-01	5.46E-04	4.68E-01	3.34E+01	3.99E-05	5.25E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	0.5	3.22E-04	2.22E-02	2.08E-03	1.18E-04	1.75E+00	2.14E-04	1.75E+00	1.75E-01	2.05E-04	1.75E-01	1.25E+01	1.50E-05	1.97E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	0.5	3.76E-04	2.59E-02	2.42E-03	1.38E-04	2.05E+00	2.49E-04	2.05E+00	2.04E-01	2.39E-04	2.05E-01	1.46E+01	1.74E-05	2.29E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	0.5	5.52E-04	3.80E-02	3.56E-03	2.03E-04	3.01E+00	3.66E-04	3.01E+00	3.00E-01	3.51E-04	3.01E-01	2.14E+01	2.56E-05	3.37E-03
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	0.5	4.60E-04	3.17E-02	2.97E-03	1.69E-04	2.51E+00	3.05E-04	2.51E+00	2.50E-01	2.92E-04	2.51E-01	1.79E+01	2.14E-05	2.81E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	0.5	4.14E-04	2.85E-02	2.67E-03	1.52E-04	2.26E+00	2.75E-04	2.26E+00	2.25E-01	2.63E-04	2.25E-01	1.61E+01	1.92E-05	2.53E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	0.5	3.88E-05	2.67E-03	2.50E-04	1.42E-05	2.11E-01	2.58E-05	2.11E-01	2.11E-02	2.46E-05	2.11E-02	1.51E+00	1.80E-06	2.37E-04
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	0.5	3.23E-04	4.38E-02	3.42E-03	2.19E-04	3.35E+00	3.58E-04	3.35E+00	3.35E-01	3.42E-04	3.35E-01	2.31E+01	1.50E-05	3.64E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	0.5	4.82E-05	6.52E-03	5.10E-04	3.26E-05	5.00E-01	5.33E-05	5.00E-01	4.99E-02	5.10E-05	4.99E-02	3.45E+00	2.24E-06	5.42E-04
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	0.5	3.23E-04	4.38E-02	3.42E-03	2.19E-04	3.35E+00	3.58E-04	3.35E+00	3.35E-01	3.42E-04	3.35E-01	2.31E+01	1.50E-05	3.64E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	0.5	1.69E-04	2.29E-02	1.79E-03	1.14E-04	1.75E+00	1.87E-04	1.75E+00	1.75E-01	1.79E-04	1.75E-01	1.21E+01	7.86E-06	1.90E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	0.5	8.03E-06	1.09E-03	8.50E-05	5.43E-06	8.33E-02	8.89E-06	8.33E-02	8.31E-03	8.50E-06	8.32E-03	5.75E-01	3.73E-07	9.04E-05
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	0.5	5.80E-04	7.85E-02	6.14E-03	3.92E-04	6.02E+00	6.42E-04	6.02E+00	6.01E-01	6.14E-04	6.01E-01	4.15E+01	2.69E-05	6.53E-03
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	0.5	4.83E-04	6.55E-02	5.12E-03	3.27E-04	5.01E+00	5.35E-04	5.01E+00	5.00E-01	5.12E-04	5.01E-01	3.46E+01	2.25E-05	5.44E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	0.5	3.87E-04	5.24E-02	4.09E-03	2.61E-04	4.01E+00	4.28E-04	4.01E+00	4.00E-01	4.09E-04	4.01E-01	2.77E+01	1.80E-05	4.35E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	0.5	2.05E-04	2.73E-02	2.19E-03	1.35E-04	2.09E+00	2.24E-04	2.09E+00	2.09E-01	2.15E-04	2.09E-01	1.43E+01	9.50E-06	2.24E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	0.5	2.67E-04	3.57E-02	2.86E-03	1.76E-04	2.74E+00	2.93E-04	2.74E+00	2.73E-01	2.81E-04	2.73E-01	1.86E+01	1.24E-05	2.93E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	0.5	2.67E-04	3.57E-02	2.86E-03	1.76E-04	2.74E+00	2.93E-04	2.74E+00	2.73E-01	2.81E-04	2.73E-01	1.86E+01	1.24E-05	2.93E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	0.5	4.54E-04	6.07E-02	4.86E-03	2.99E-04	4.65E+00	4.98E-04	4.65E+00	4.64E-01	4.77E-04	4.64E-01	3.17E+01	2.11E-05	4.98E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	0.5	1.70E-04	2.27E-02	1.82E-03	1.12E-04	1.74E+00	1.87E-04	1.74E+00	1.74E-01	1.79E-04	1.74E-01	1.19E+01	7.90E-06	1.86E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	0.5	1.98E-04	2.65E-02	2.12E-03	1.31E-04	2.03E+00	2.18E-04	2.03E+00	2.03E-01	2.08E-04	2.03E-01	1.38E+01	9.22E-06	2.18E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	0.5	2.92E-04	3.90E-02	3.12E-03	1.92E-04	2.98E+00	3.20E-04	2.99E+00	2.98E-01	3.06E-04	2.98E-01	2.03E+01	1.35E-05	3.20E-03
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	0.5	1.09E-04	1.46E-02	1.17E-03	7.21E-05	1.12E+00	1.20E-04	1.12E+00	1.12E-01	1.15E-04	1.12E-01	7.63E+00	5.08E-06	1.20E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	0.5	2.43E-04	3.25E-02	2.60E-03	1.60E-04	2.49E+00	2.67E-04	2.49E+00	2.48E-01	2.55E-04	2.49E-01	1.69E+01	1.13E-05	2.66E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	0.5	2.42E-05	3.24E-03	2.59E-04	1.60E-05	2.48E-01	2.66E-05	2.48E-01	2.48E-02	2.54E-05	2.48E-02	1.69E+00	1.12E-06	2.66E-04
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	0.5	2.05E-05	2.74E-03	2.19E-04	1.35E-05	2.10E-01	2.25E-05	2.10E-01	2.09E-02	2.15E-05	2.10E-02	1.43E+00	9.52E-07	2.25E-04

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
								MT/yr			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	0.5	262	1.19E+00	1.51E-06	1.86E-04	1.24E+00
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	0.5	262	1.81E-02	2.30E-08	2.84E-06	1.89E-02
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	0.5	262	4.35E+00	5.53E-06	6.84E-04	4.56E+00
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	0.5	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	0.5	262	5.22E+00	6.63E-06	8.21E-04	5.47E+00
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	0.5	262	1.52E+00	1.93E-06	2.39E-04	1.60E+00
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	0.5	262	3.48E+00	4.42E-06	5.47E-04	3.65E+00
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	0.5	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	0.5	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	0.5	262	3.67E-01	4.66E-07	5.77E-05	3.84E-01
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	0.5	262	4.34E-01	5.51E-07	6.82E-05	4.54E-01
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	0.5	261	1.17E+00	1.45E-06	1.84E-04	1.22E+00
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	0.5	261	3.57E-02	4.43E-08	5.60E-06	3.73E-02
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	0.5	261	4.29E+00	5.33E-06	6.75E-04	4.49E+00
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	0.5	261	5.15E+00	6.39E-06	8.10E-04	5.39E+00
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	0.5	261	5.15E+00	6.39E-06	8.10E-04	5.39E+00
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	0.5	261	3.43E+00	4.26E-06	5.40E-04	3.59E+00
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	0.5	261	4.28E-01	5.31E-07	6.73E-05	4.48E-01
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	0.5	261	3.62E-01	4.49E-07	5.69E-05	3.79E-01
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	0.5	260	1.98E+00	2.37E-06	3.12E-04	2.08E+00
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	0.5	260	1.75E-02	2.09E-08	2.75E-06	1.83E-02
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	0.5	260	2.32E+00	2.77E-06	3.64E-04	2.43E+00
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	0.5	260	3.94E+00	4.71E-06	6.19E-04	4.12E+00
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	0.5	260	1.48E+00	1.76E-06	2.32E-04	1.54E+00
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	0.5	260	1.72E+00	2.06E-06	2.71E-04	1.80E+00
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	0.5	260	2.53E+00	3.02E-06	3.98E-04	2.65E+00
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	0.5	260	2.11E+00	2.52E-06	3.31E-04	2.21E+00
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	0.5	260	1.90E+00	2.27E-06	2.98E-04	1.99E+00
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	0.5	260	1.78E-01	2.12E-07	2.79E-05	1.86E-01
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	0.5	260	2.73E+00	1.77E-06	4.29E-04	2.86E+00
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	0.5	260	4.07E-01	2.64E-07	6.39E-05	4.26E-01
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	0.5	260	2.73E+00	1.77E-06	4.29E-04	2.86E+00
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	0.5	260	1.43E+00	9.27E-07	2.24E-04	1.50E+00
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	0.5	260	6.78E-02	4.40E-08	1.07E-05	7.10E-02
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	0.5	260	4.90E+00	3.18E-06	7.70E-04	5.13E+00
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	0.5	260	4.08E+00	2.65E-06	6.41E-04	4.27E+00
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	0.5	260	3.26E+00	2.12E-06	5.13E-04	3.42E+00
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	0.5	262	1.70E+00	1.13E-06	2.67E-04	1.78E+00
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	0.5	262	2.21E+00	1.47E-06	3.48E-04	2.32E+00
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	0.5	262	2.21E+00	1.47E-06	3.48E-04	2.32E+00
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	0.5	262	3.76E+00	2.51E-06	5.92E-04	3.94E+00
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	0.5	262	1.41E+00	9.39E-07	2.22E-04	1.48E+00
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	0.5	262	1.64E+00	1.10E-06	2.59E-04	1.72E+00
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	0.5	262	2.42E+00	1.61E-06	3.80E-04	2.53E+00
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	0.5	262	9.06E-01	6.04E-07	1.42E-04	9.49E-01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	0.5	262	2.01E+00	1.34E-06	3.17E-04	2.11E+00
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	0.5	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	0.5	262	2.01E-01	1.34E-07	3.16E-05	2.10E-01
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	0.5	262	1.70E-01	1.13E-07	2.67E-05	1.78E-01

							Haul Idling Emission Factors												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Emission Factor (g/min)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	15	3.85E-02	5.62E-01	5.29E-01	9.34E-04	0.00E+00	4.53E-04	4.53E-04	0.00E+00	4.33E-04	4.33E-04	1.02E+02	3.17E-03	4.53E-02
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	15	3.82E-02	5.45E-01	5.37E-01	9.18E-04	0.00E+00	3.84E-04	3.84E-04	0.00E+00	3.67E-04	3.67E-04	1.00E+02	3.20E-03	4.50E-02
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	15	3.78E-02	5.25E-01	5.44E-01	9.01E-04	0.00E+00	2.85E-04	2.85E-04	0.00E+00	2.73E-04	2.73E-04	9.87E+01	3.21E-03	4.45E-02
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	15	3.76E-02	4.81E-01	5.76E-01	8.62E-04	0.00E+00	2.48E-04	2.48E-04	0.00E+00	2.37E-04	2.37E-04	9.48E+01	3.25E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	15	3.76E-02	4.80E-01	5.77E-01	8.50E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	9.36E+01	3.27E-03	4.43E-02

							Daily Emissions												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	15	4.15E-03	6.05E-02	5.69E-02	1.00E-04	0.00E+00	4.87E-05	4.87E-05	0.00E+00	4.66E-05	4.66E-05	1.10E+01	3.41E-04	4.87E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	15	6.32E-05	9.22E-04	8.68E-04	1.53E-06	0.00E+00	7.43E-07	7.43E-07	0.00E+00	7.11E-07	7.11E-07	1.67E-01	5.20E-06	7.43E-05
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	15	1.52E-02	2.22E-01	2.09E-01	3.69E-04	0.00E+00	1.79E-04	1.79E-04	0.00E+00	1.71E-04	1.71E-04	4.03E+01	1.25E-03	1.79E-02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	15	1.83E-02	2.66E-01	2.51E-01	4.43E-04	0.00E+00	2.15E-04	2.15E-04	0.00E+00	2.05E-04	2.05E-04	4.83E+01	1.50E-03	2.15E-02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	15	5.33E-03	7.77E-02	7.31E-02	1.29E-04	0.00E+00	6.26E-05	6.26E-05	0.00E+00	5.99E-05	5.99E-05	1.41E+01	4.38E-04	6.26E-03
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	15	1.22E-02	1.78E-01	1.67E-01	2.95E-04	0.00E+00	1.43E-04	1.43E-04	0.00E+00	1.37E-04	1.37E-04	3.22E+01	1.00E-03	1.43E-02
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	15	1.28E-03	1.87E-02	1.76E-02	3.11E-05	0.00E+00	1.51E-05	1.51E-05	0.00E+00	1.44E-05	1.44E-05	3.40E+00	1.06E-04	1.51E-03
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	15	1.52E-03	2.21E-02	2.08E-02	3.68E-05	0.00E+00	1.78E-05	1.78E-05	0.00E+00	1.71E-05	1.71E-05	4.02E+00	1.25E-04	1.78E-03
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	15	4.13E-03	5.88E-02	5.80E-02	9.92E-05	0.00E+00	4.15E-05	4.15E-05	0.00E+00	3.97E-05	3.97E-05	1.09E+01	3.45E-04	4.86E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	15	1.26E-04	1.79E-03	1.77E-03	3.03E-06	0.00E+00	1.27E-06	1.27E-06	0.00E+00	1.21E-06	1.21E-06	3.31E-01	1.05E-05	1.48E-04
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	15	1.52E-02	2.16E-01	2.13E-01	3.64E-04	0.00E+00	1.52E-04	1.52E-04	0.00E+00	1.46E-04	1.46E-04	3.98E+01	1.27E-03	1.78E-02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	15	1.82E-02	2.59E-01	2.55E-01	4.37E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	4.78E+01	1.52E-03	2.14E-02
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	15	1.82E-02	2.59E-01	2.55E-01	4.37E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	4.78E+01	1.52E-03	2.14E-02
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	15	1.21E-02	1.73E-01	1.70E-01	2.91E-04	0.00E+00	1.22E-04	1.22E-04	0.00E+00	1.17E-04	1.17E-04	3.19E+01	1.01E-03	1.43E-02
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	15	1.51E-03	2.15E-02	2.12E-02	3.63E-05	0.00E+00	1.52E-05	1.52E-05	0.00E+00	1.45E-05	1.45E-05	3.97E+00	1.26E-04	1.78E-03
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	15	1.28E-03	1.82E-02	1.80E-02	3.07E-05	0.00E+00	1.28E-05	1.28E-05	0.00E+00	1.23E-05	1.23E-05	3.36E+00	1.07E-04	1.50E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	15	7.08E-03	9.83E-02	1.02E-01	1.69E-04	0.00E+00	5.34E-05	5.34E-05	0.00E+00	5.11E-05	5.11E-05	1.85E+01	6.02E-04	8.33E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	15	6.25E-05	8.68E-04	8.99E-04	1.49E-06	0.00E+00	4.71E-07	4.71E-07	0.00E+00	4.51E-07	4.51E-07	1.63E-01	5.31E-06	7.36E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	15	8.27E-03	1.15E-01	1.19E-01	1.97E-04	0.00E+00	6.24E-05	6.24E-05	0.00E+00	5.97E-05	5.97E-05	2.16E+01	7.03E-04	9.74E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	15	1.41E-02	1.95E-01	2.02E-01	3.35E-04	0.00E+00	1.06E-04	1.06E-04	0.00E+00	1.01E-04	1.01E-04	3.67E+01	1.20E-03	1.65E-02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	15	5.26E-03	7.32E-02	7.58E-02	1.25E-04	0.00E+00	3.97E-05	3.97E-05	0.00E+00	3.80E-05	3.80E-05	1.38E+01	4.48E-04	6.20E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	15	6.14E-03	8.53E-02	8.84E-02	1.46E-04	0.00E+00	4.63E-05	4.63E-05	0.00E+00	4.43E-05	4.43E-05	1.60E+01	5.22E-04	7.23E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	15	9.03E-03	1.25E-01	1.30E-01	2.15E-04	0.00E+00	6.81E-05	6.81E-05	0.00E+00	6.51E-05	6.51E-05	2.36E+01	7.68E-04	1.06E-02
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	15	7.52E-03	1.05E-01	1.08E-01	1.79E-04	0.00E+00	5.67E-05	5.67E-05	0.00E+00	5.43E-05	5.43E-05	1.97E+01	6.40E-04	8.85E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	15	6.77E-03	9.40E-02	9.74E-02	1.61E-04	0.00E+00	5.10E-05	5.10E-05	0.00E+00	4.88E-05	4.88E-05	1.77E+01	5.76E-04	7.97E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	15	6.34E-04	8.82E-03	9.13E-03	1.51E-05	0.00E+00	4.78E-06	4.78E-06	0.00E+00	4.58E-06	4.58E-06	1.66E+00	5.40E-05	7.47E-04
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	15	1.00E-02	1.28E-01	1.53E-01	2.29E-04	0.00E+00	6.61E-05	6.61E-05	0.00E+00	6.32E-05	6.32E-05	2.52E+01	8.65E-04	1.18E-02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	15	1.49E-03	1.91E-02	2.29E-02	3.42E-05	0.00E+00	9.85E-06	9.85E-06	0.00E+00	9.42E-06	9.42E-06	3.76E+00	1.29E-04	1.76E-03
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	15	1.00E-02	1.28E-01	1.53E-01	2.29E-04	0.00E+00	6.61E-05	6.61E-05	0.00E+00	6.32E-05	6.32E-05	2.52E+01	8.65E-04	1.18E-02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	15	5.24E-03	6.71E-02	8.03E-02	1.20E-04	0.00E+00	3.46E-05	3.46E-05	0.00E+00	3.31E-05	3.31E-05	1.32E+01	4.53E-04	6.18E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	15	2.49E-04	3.18E-03	3.81E-03	5.70E-06	0.00E+00	1.64E-06	1.64E-06	0.00E+00	1.57E-06	1.57E-06	6.27E-01	2.15E-05	2.93E-04
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	15	1.80E-02	2.30E-01	2.75E-01	4.12E-04	0.00E+00	1.19E-04	1.19E-04	0.00E+00	1.13E-04	1.13E-04	4.53E+01	1.55E-03	2.12E-02
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	15	1.50E-02	1.92E-01	2.29E-01	3.43E-04	0.00E+00	9.88E-05	9.88E-05	0.00E+00	9.45E-05	9.45E-05	3.77E+01	1.29E-03	1.77E-02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	15	1.20E-02	1.53E-01	1.84E-01	2.74E-04	0.00E+00	7.90E-05	7.90E-05	0.00E+00	7.56E-05	7.56E-05	3.02E+01	1.04E-03	1.41E-02
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	15	6.25E-03	7.98E-02	9.60E-02	1.41E-04	0.00E+00	3.98E-05	3.98E-05	0.00E+00	3.81E-05	3.81E-05	1.56E+01	5.44E-04	7.37E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	15	8.16E-03	1.04E-01	1.25E-01	1.85E-04	0.00E+00	5.20E-05	5.20E-05	0.00E+00	4.98E-05	4.98E-05	2.03E+01	7.11E-04	9.63E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	15	8.16E-03	1.04E-01	1.25E-01	1.85E-04	0.00E+00	5.20E-05	5.20E-05	0.00E+00	4.98E-05	4.98E-05	2.03E+01	7.11E-04	9.63E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	15	1.39E-02	1.77E-01	2.13E-01	3.14E-04	0.00E+00	8.84E-05	8.84E-05	0.00E+00	8.45E-05	8.45E-05	3.45E+01	1.21E-03	1.64E-02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	15	5.20E-03	6.64E-02	7.98E-02	1.18E-04	0.00E+00	3.31E-05	3.31E-05	0.00E+00	3.17E-05	3.17E-05	1.29E+01	4.52E-04	6.13E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	15	6.06E-03	7.74E-02	9.31E-02	1.37E-04	0.00E+00	3.86E-05	3.86E-05	0.00E+00	3.69E-05	3.69E-05	1.51E+01	5.28E-04	7.15E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	15	8.91E-03	1.14E-01	1.37E-01	2.01E-04	0.00E+00	5.68E-05	5.68E-05	0.00E+00	5.43E-05	5.43E-05	2.22E+01	7.76E-04	1.05E-02
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	15	3.34E-03	4.27E-02	5.13E-02	7.56E-05	0.00E+00	2.13E-05	2.13E-05	0.00E+00	2.04E-05	2.04E-05	8.32E+00	2.91E-04	3.94E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	15	7.42E-03	9.48E-02	1.14E-01	1.68E-04	0.00E+00	4.73E-05	4.73E-05	0.00E+00	4.52E-05	4.52E-05	1.85E+01	6.46E-04	8.76E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	15	7.40E-04	9.45E-03	1.14E-02	1.67E-05	0.00E+00	4.71E-06	4.71E-06	0.00E+00	4.51E-06	4.51E-06	1.84E+00	6.44E-05	8.73E-04
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	15	6.26E-04	8.00E-03	9.61E-03	1.42E-05	0.00E+00	3.99E-06	3.99E-06	0.00E+00	3.82E-06	3.82E-06	1.56E+00	5.45E-05	7.38E-04

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
								MT/yr			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	15	262	1.30E+00	4.05E-05	5.79E-04	1.48E+00
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	15	262	1.99E-02	6.18E-07	8.83E-06	2.25E-02
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	15	262	4.79E+00	1.49E-04	2.13E-03	5.42E+00
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	15	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	15	262	5.74E+00	1.79E-04	2.55E-03	6.51E+00
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	15	262	1.68E+00	5.21E-05	7.44E-04	1.90E+00
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	15	262	3.83E+00	1.19E-04	1.70E-03	4.34E+00
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	15	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	15	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	15	262	4.04E-01	1.26E-05	1.79E-04	4.57E-01
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	15	262	4.77E-01	1.48E-05	2.12E-04	5.41E-01
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	15	261	1.28E+00	4.09E-05	5.75E-04	1.46E+00
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	15	261	3.92E-02	1.25E-06	1.75E-05	4.44E-02
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	15	261	4.72E+00	1.50E-04	2.11E-03	5.35E+00
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	15	261	5.66E+00	1.80E-04	2.53E-03	6.42E+00
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	15	261	5.66E+00	1.80E-04	2.53E-03	6.42E+00
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	15	261	3.77E+00	1.20E-04	1.69E-03	4.28E+00
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	15	261	4.70E-01	1.50E-05	2.10E-04	5.33E-01
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	15	261	3.98E-01	1.27E-05	1.78E-04	4.51E-01
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	15	260	2.18E+00	7.10E-05	9.83E-04	2.48E+00
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	15	260	1.93E-02	6.27E-07	8.67E-06	2.19E-02
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	15	260	2.55E+00	8.30E-05	1.15E-03	2.89E+00
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	15	260	4.33E+00	1.41E-04	1.95E-03	4.92E+00
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	15	260	1.62E+00	5.28E-05	7.31E-04	1.84E+00
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	15	260	1.89E+00	6.16E-05	8.53E-04	2.15E+00
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	15	260	2.78E+00	9.05E-05	1.25E-03	3.16E+00
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	15	260	2.32E+00	7.54E-05	1.04E-03	2.63E+00
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	15	260	2.08E+00	6.79E-05	9.39E-04	2.37E+00
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	15	260	1.95E-01	6.36E-06	8.81E-05	2.22E-01
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	15	260	2.97E+00	1.02E-04	1.39E-03	3.39E+00
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	15	260	4.44E-01	1.52E-05	2.08E-04	5.06E-01
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	15	260	2.97E+00	1.02E-04	1.39E-03	3.39E+00
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	15	260	1.56E+00	5.34E-05	7.29E-04	1.78E+00
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	15	260	7.39E-02	2.54E-06	3.46E-05	8.43E-02
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	15	260	5.34E+00	1.83E-04	2.50E-03	6.09E+00
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	15	260	4.45E+00	1.53E-04	2.08E-03	5.07E+00
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	15	260	3.56E+00	1.22E-04	1.67E-03	4.06E+00
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	15	262	1.85E+00	6.47E-05	8.76E-04	2.11E+00
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	15	262	2.42E+00	8.45E-05	1.14E-03	2.76E+00
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	15	262	2.42E+00	8.45E-05	1.14E-03	2.76E+00
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	15	262	4.10E+00	1.44E-04	1.94E-03	4.69E+00
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	15	262	1.54E+00	5.38E-05	7.28E-04	1.76E+00
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	15	262	1.79E+00	6.27E-05	8.50E-04	2.05E+00
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	15	262	2.64E+00	9.22E-05	1.25E-03	3.01E+00
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	15	262	9.88E-01	3.46E-05	4.68E-04	1.13E+00
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	15	262	2.20E+00	7.68E-05	1.04E-03	2.51E+00
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	15	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	15	262	2.19E-01	7.66E-06	1.04E-04	2.50E-01
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	15	262	1.85E-01	6.48E-06	8.78E-05	2.12E-01

Haul Starting Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (ln/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission Factor (g/min)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	15	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	15	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	15	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	15	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	15	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05

							Daily Emissions												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	15	1.39E-05	1.29E-02	6.10E-05	5.78E-09	0.00E+00	1.40E-08	1.40E-08	0.00E+00	1.29E-08	1.29E-08	5.84E-04	3.05E-09	2.65E-07
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	15	2.12E-07	1.96E-04	9.30E-07	8.82E-11	0.00E+00	2.13E-10	2.13E-10	0.00E+00	1.97E-10	1.97E-10	8.91E-06	4.66E-11	4.05E-09
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	15	5.09E-05	4.73E-02	2.24E-04	2.12E-08	0.00E+00	5.12E-08	5.12E-08	0.00E+00	4.74E-08	4.74E-08	2.14E-03	1.12E-08	9.74E-07
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	15	6.11E-05	5.68E-02	2.69E-04	2.55E-08	0.00E+00	6.15E-08	6.15E-08	0.00E+00	5.69E-08	5.69E-08	2.57E-03	1.34E-08	1.17E-06
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	15	1.78E-05	1.66E-02	7.84E-05	7.43E-09	0.00E+00	1.79E-08	1.79E-08	0.00E+00	1.66E-08	1.66E-08	7.51E-04	3.92E-09	3.41E-07
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	15	4.07E-05	3.78E-02	1.79E-04	1.70E-08	0.00E+00	4.10E-08	4.10E-08	0.00E+00	3.79E-08	3.79E-08	1.72E-03	8.97E-09	7.79E-07
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	15	4.30E-06	3.99E-03	1.89E-05	1.79E-09	0.00E+00	4.32E-09	4.32E-09	0.00E+00	4.00E-09	4.00E-09	1.81E-04	9.45E-10	8.22E-08
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	15	5.08E-06	4.71E-03	2.23E-05	2.12E-09	0.00E+00	5.11E-09	5.11E-09	0.00E+00	4.72E-09	4.72E-09	2.14E-04	1.12E-09	9.71E-08
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	15	1.10E-05	1.38E-02	5.75E-05	5.07E-09	0.00E+00	9.96E-09	9.96E-09	0.00E+00	9.16E-09	9.16E-09	5.12E-04	3.05E-09	2.15E-07
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	15	3.34E-07	4.22E-04	1.75E-06	1.55E-10	0.00E+00	3.04E-10	3.04E-10	0.00E+00	2.79E-10	2.79E-10	1.56E-05	9.31E-11	6.54E-09
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	15	4.02E-05	5.08E-02	2.11E-04	1.86E-08	0.00E+00	3.66E-08	3.66E-08	0.00E+00	3.36E-08	3.36E-08	1.88E-03	1.12E-08	7.88E-07
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	15	4.83E-05	6.10E-02	2.53E-04	2.23E-08	0.00E+00	4.39E-08	4.39E-08	0.00E+00	4.04E-08	4.04E-08	2.26E-03	1.35E-08	9.45E-07
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	15	4.83E-05	6.10E-02	2.53E-04	2.23E-08	0.00E+00	4.39E-08	4.39E-08	0.00E+00	4.04E-08	4.04E-08	2.26E-03	1.35E-08	9.45E-07
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	15	3.22E-05	4.06E-02	1.69E-04	1.49E-08	0.00E+00	2.93E-08	2.93E-08	0.00E+00	2.69E-08	2.69E-08	1.50E-03	8.97E-09	6.30E-07
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	15	4.01E-06	5.06E-03	2.11E-05	1.86E-09	0.00E+00	3.65E-09	3.65E-09	0.00E+00	3.35E-09	3.35E-09	1.87E-04	1.12E-09	7.85E-08
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	15	3.39E-06	4.29E-03	1.78E-05	1.57E-09	0.00E+00	3.08E-09	3.08E-09	0.00E+00	2.84E-09	2.84E-09	1.59E-04	9.46E-10	6.64E-08
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	15	1.57E-05	2.64E-02	8.96E-05	8.02E-09	0.00E+00	1.45E-08	1.45E-08	0.00E+00	1.33E-08	1.33E-08	8.10E-04	5.28E-09	2.66E-07
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	15	1.38E-07	2.33E-04	7.91E-07	7.08E-11	0.00E+00	1.28E-10	1.28E-10	0.00E+00	1.18E-10	1.18E-10	7.15E-06	4.67E-11	2.34E-09
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	15	1.83E-05	3.08E-02	1.05E-04	9.37E-09	0.00E+00	1.69E-08	1.69E-08	0.00E+00	1.56E-08	1.56E-08	9.47E-04	6.18E-09	3.10E-07
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	15	3.11E-05	5.24E-02	1.78E-04	1.59E-08	0.00E+00	2.88E-08	2.88E-08	0.00E+00	2.65E-08	2.65E-08	1.61E-03	1.05E-08	5.27E-07
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	15	1.17E-05	1.96E-02	6.67E-05	5.96E-09	0.00E+00	1.08E-08	1.08E-08	0.00E+00	9.91E-09	9.91E-09	6.03E-04	3.93E-09	1.98E-07
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	15	1.36E-05	2.29E-02	7.78E-05	6.96E-09	0.00E+00	1.26E-08	1.26E-08	0.00E+00	1.16E-08	1.16E-08	7.03E-04	4.59E-09	2.31E-07
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	15	2.00E-05	3.36E-02	1.14E-04	1.02E-08	0.00E+00	1.85E-08	1.85E-08	0.00E+00	1.70E-08	1.70E-08	1.03E-03	6.74E-09	3.39E-07
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	15	1.67E-05	2.80E-02	9.52E-05	8.52E-09	0.00E+00	1.54E-08	1.54E-08	0.00E+00	1.42E-08	1.42E-08	8.61E-04	5.62E-09	2.82E-07
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	15	1.50E-05	2.52E-02	8.57E-05	7.66E-09	0.00E+00	1.39E-08	1.39E-08	0.00E+00	1.27E-08	1.27E-08	7.75E-04	5.05E-09	2.54E-07
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	15	1.40E-06	2.36E-03	8.03E-06	7.19E-10	0.00E+00	1.30E-09	1.30E-09	0.00E+00	1.19E-09	1.19E-09	7.26E-05	4.74E-10	2.38E-08
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	15	1.81E-05	4.23E-02	1.27E-04	1.08E-08	0.00E+00	1.76E-08	1.76E-08	0.00E+00	1.62E-08	1.62E-08	1.09E-03	7.50E-09	3.19E-07
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	15	2.70E-06	6.31E-03	1.89E-05	1.61E-09	0.00E+00	2.62E-09	2.62E-09	0.00E+00	2.41E-09	2.41E-09	1.62E-04	1.12E-09	4.76E-08
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	15	1.81E-05	4.23E-02	1.27E-04	1.08E-08	0.00E+00	1.76E-08	1.76E-08	0.00E+00	1.62E-08	1.62E-08	1.09E-03	7.50E-09	3.19E-07
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	15	9.49E-06	2.22E-02	6.65E-05	5.64E-09	0.00E+00	9.20E-09	9.20E-09	0.00E+00	8.46E-09	8.46E-09	5.70E-04	3.93E-09	1.67E-07
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	15	4.51E-07	1.05E-03	3.15E-06	2.68E-10	0.00E+00	4.37E-10	4.37E-10	0.00E+00	4.02E-10	4.02E-10	2.70E-05	1.86E-10	7.94E-09
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	15	3.26E-05	7.60E-02	2.28E-04	1.93E-08	0.00E+00	3.16E-08	3.16E-08	0.00E+00	2.90E-08	2.90E-08	1.95E-03	1.35E-08	5.73E-07
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	15	2.71E-05	6.33E-02	1.90E-04	1.61E-08	0.00E+00	2.63E-08	2.63E-08	0.00E+00	2.42E-08	2.42E-08	1.63E-03	1.12E-08	4.78E-07
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	15	2.17E-05	5.07E-02	1.52E-04	1.29E-08	0.00E+00	2.10E-08	2.10E-08	0.00E+00	1.93E-08	1.93E-08	1.30E-03	8.97E-09	3.82E-07
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	15	9.59E-06	2.64E-02	7.31E-05	6.30E-09	0.00E+00	9.70E-09	9.70E-09	0.00E+00	8.92E-09	8.92E-09	6.36E-04	4.22E-09	1.59E-07
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	15	1.25E-05	3.45E-02	9.55E-05	8.23E-09	0.00E+00	1.27E-08	1.27E-08	0.00E+00	1.17E-08	1.17E-08	8.31E-04	5.51E-09	2.08E-07
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	15	1.25E-05	3.45E-02	9.55E-05	8.23E-09	0.00E+00	1.27E-08	1.27E-08	0.00E+00	1.17E-08	1.17E-08	8.31E-04	5.51E-09	2.08E-07
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	15	2.13E-05	5.87E-02	1.62E-04	1.40E-08	0.00E+00	2.15E-08	2.15E-08	0.00E+00	1.98E-08	1.98E-08	1.41E-03	9.37E-09	3.54E-07
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	15	7.98E-06	2.20E-02	6.08E-05	5.24E-09	0.00E+00	8.07E-09	8.07E-09	0.00E+00	7.42E-09	7.42E-09	5.29E-04	3.51E-09	1.32E-07
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	15	9.31E-06	2.57E-02	7.09E-05	6.11E-09	0.00E+00	9.41E-09	9.41E-09	0.00E+00	8.65E-09	8.65E-09	6.17E-04	4.10E-09	1.55E-07
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	15	1.37E-05	3.77E-02	1.04E-04	8.98E-09	0.00E+00	1.38E-08	1.38E-08	0.00E+00	1.27E-08	1.27E-08	9.07E-04	6.02E-09	2.27E-07
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	15	5.13E-06	1.41E-02	3.91E-05	3.37E-09	0.00E+00	5.19E-09	5.19E-09	0.00E+00	4.77E-09	4.77E-09	3.40E-04	2.26E-09	8.52E-08
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	15	1.14E-05	3.14E-02	8.68E-05	7.48E-09	0.00E+00	1.15E-08	1.15E-08	0.00E+00	1.06E-08	1.06E-08	7.56E-04	5.02E-09	1.89E-07
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	15	1.14E-06	3.13E-03	8.65E-06	7.46E-10	0.00E+00	1.15E-09	1.15E-09	0.00E+00	1.06E-09	1.06E-09	7.53E-05	5.00E-10	1.89E-08
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	15	9.61E-07	2.65E-03	7.32E-06	6.31E-10	0.00E+00	9.72E-10	9.72E-10	0.00E+00	8.94E-10	8.94E-10	6.38E-05	4.23E-10	1.60E-08

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
								MT/yr			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	15	262	6.94E-05	3.63E-10	3.15E-08	7.88E-05
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	15	262	1.06E-06	5.53E-12	4.81E-10	1.20E-06
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	15	262	2.55E-04	1.33E-09	1.16E-07	2.89E-04
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	15	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	15	262	3.06E-04	1.60E-09	1.39E-07	3.47E-04
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	15	262	8.92E-05	4.66E-10	4.05E-08	1.01E-04
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	15	262	2.04E-04	1.07E-09	9.26E-08	2.32E-04
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	15	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	15	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	15	262	2.15E-05	1.12E-10	9.76E-09	2.44E-05
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	15	262	2.54E-05	1.33E-10	1.15E-08	2.89E-05
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	15	261	6.07E-05	3.61E-10	2.54E-08	6.82E-05
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	15	261	1.85E-06	1.10E-11	7.75E-10	2.08E-06
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	15	261	2.23E-04	1.33E-09	9.32E-08	2.51E-04
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	15	261	2.67E-04	1.59E-09	1.12E-07	3.01E-04
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	15	261	2.67E-04	1.59E-09	1.12E-07	3.01E-04
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	15	261	1.78E-04	1.06E-09	7.46E-08	2.00E-04
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	15	261	2.22E-05	1.32E-10	9.30E-09	2.50E-05
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	15	261	1.88E-05	1.12E-10	7.87E-09	2.11E-05
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	15	260	9.55E-05	6.23E-10	3.13E-08	1.05E-04
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	15	260	8.43E-07	5.50E-12	2.77E-10	9.26E-07
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	15	260	1.12E-04	7.28E-10	3.66E-08	1.23E-04
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	15	260	1.90E-04	1.24E-09	6.22E-08	2.08E-04
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	15	260	7.11E-05	4.64E-10	2.33E-08	7.80E-05
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	15	260	8.29E-05	5.41E-10	2.72E-08	9.10E-05
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	15	260	1.22E-04	7.95E-10	3.99E-08	1.34E-04
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	15	260	1.02E-04	6.62E-10	3.33E-08	1.11E-04
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	15	260	9.13E-05	5.96E-10	2.99E-08	1.00E-04
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	15	260	8.56E-06	5.59E-11	2.81E-09	9.40E-06
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	15	260	1.28E-04	8.85E-10	3.77E-08	1.40E-04
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	15	260	1.91E-05	1.32E-10	5.62E-09	2.08E-05
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	15	260	1.28E-04	8.85E-10	3.77E-08	1.40E-04
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	15	260	6.72E-05	4.63E-10	1.97E-08	7.31E-05
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	15	260	3.19E-06	2.20E-11	9.36E-10	3.47E-06
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	15	260	2.30E-04	1.59E-09	6.76E-08	2.51E-04
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	15	260	1.92E-04	1.32E-09	5.63E-08	2.09E-04
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	15	260	1.54E-04	1.06E-09	4.51E-08	1.67E-04
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	15	262	7.56E-05	5.02E-10	1.89E-08	8.13E-05
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	15	262	9.88E-05	6.55E-10	2.47E-08	1.06E-04
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	15	262	9.88E-05	6.55E-10	2.47E-08	1.06E-04
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	15	262	1.68E-04	1.11E-09	4.20E-08	1.80E-04
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	15	262	6.29E-05	4.17E-10	1.57E-08	6.76E-05
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	15	262	7.34E-05	4.87E-10	1.84E-08	7.88E-05
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	15	262	1.08E-04	7.15E-10	2.70E-08	1.16E-04
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	15	262	4.04E-05	2.68E-10	1.01E-08	4.34E-05
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	15	262	8.98E-05	5.96E-10	2.25E-08	9.65E-05
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	15	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	15	262	8.95E-06	5.94E-11	2.24E-09	9.62E-06
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	15	262	7.58E-06	5.03E-11	1.90E-09	8.14E-06

OFFSITE Mobile Emissions		CO2	CH4	N2O	CO2e
PhaseName	CalEEMod Phase Name	MT/yr			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	239.57	0.00	0.02	246.56
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	49.00	0.00	0.00	50.05
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	514.07	0.01	0.07	534.29
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	71.96	0.00	0.01	74.37
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	329.97	0.00	0.04	343.39
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	256.09	0.01	0.03	265.69
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	256.43	0.00	0.04	267.09
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	0.00	0.00	0.00	0.00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	80.51	0.00	0.01	83.30
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	121.32	0.00	0.01	124.85
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	76.56	0.00	0.01	79.24
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	233.50	0.00	0.02	240.29
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	48.46	0.00	0.00	49.50
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	503.16	0.01	0.07	522.96
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	324.21	0.00	0.04	337.40
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	324.21	0.00	0.04	337.40
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	251.74	0.00	0.03	262.21
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	78.39	0.00	0.01	81.10
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	70.05	0.00	0.01	72.39
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	0.00	0.00	0.00	0.00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	74.76	0.00	0.01	77.37
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	118.14	0.00	0.01	121.56
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	292.44	0.01	0.03	302.02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	61.30	0.00	0.01	63.10
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	281.10	0.00	0.04	292.00
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	337.84	0.00	0.04	350.59
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	243.02	0.01	0.03	252.11
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	163.40	0.00	0.02	169.76
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	196.53	0.00	0.03	204.29
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	278.66	0.01	0.04	289.42
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	0.00	0.00	0.00	0.00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	159.26	0.00	0.02	165.65
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	91.06	0.00	0.01	93.84
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	345.11	0.01	0.04	357.18
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	72.50	0.00	0.01	74.98
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	69.77	0.00	0.01	72.19
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	345.11	0.01	0.04	357.18
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	233.44	0.00	0.03	242.14
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	77.54	0.00	0.01	79.90
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	306.89	0.00	0.04	319.36
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	0.00	0.00	0.00	0.00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	470.96	0.01	0.06	489.42
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	0.00	0.00	0.00	0.00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	237.37	0.00	0.03	247.22
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	64.81	0.00	0.01	66.95
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	263.96	0.00	0.03	272.37
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	267.16	0.00	0.03	277.49
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	267.16	0.00	0.03	277.49
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	321.60	0.00	0.04	333.70
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	230.73	0.00	0.03	239.34
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	155.47	0.00	0.02	161.50
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	187.19	0.00	0.02	194.56
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	83.43	0.00	0.01	86.37
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	264.76	0.00	0.03	274.95
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	0.00	0.00	0.00	0.00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	70.31	0.00	0.01	72.74
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	86.29	0.00	0.01	88.90
	2020	2.00E+03	3.53E-02	2.43E-01	2.07E+03
	2021	2.03E+03	3.00E-02	2.51E-01	2.10E+03
	2022	2.10E+03	3.43E-02	2.59E-01	2.18E+03
	2023	2.22E+03	3.46E-02	2.76E-01	2.31E+03
	2024	2.20E+03	3.50E-02	2.70E-01	2.28E+03

Worker Running Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission Factor (g/mile)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	25	2.40E-02	9.02E-02	1.14E+00	3.11E-03	3.45E-01	2.18E-03	3.47E-01	9.13E-02	2.01E-03	9.34E-02	3.14E+02	5.62E-03	7.58E-03
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	25	2.07E-02	7.80E-02	1.03E+00	3.02E-03	3.45E-01	2.04E-03	3.47E-01	9.13E-02	1.88E-03	9.32E-02	3.05E+02	4.91E-03	6.85E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	25	1.79E-02	6.79E-02	9.32E-01	2.93E-03	3.45E-01	1.91E-03	3.47E-01	9.13E-02	1.75E-03	9.31E-02	2.96E+02	4.30E-03	6.22E-03
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	25	1.55E-02	5.94E-02	8.52E-01	2.83E-03	3.45E-01	1.79E-03	3.46E-01	9.13E-02	1.65E-03	9.30E-02	2.86E+02	3.77E-03	5.69E-03
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	25	1.37E-02	5.26E-02	7.89E-01	2.75E-03	3.45E-01	1.72E-03	3.46E-01	9.13E-02	1.58E-03	9.29E-02	2.78E+02	3.37E-03	5.26E-03

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	25	6.62E-02	2.49E-01	3.14E+00	8.57E-03	9.50E-01	6.02E-03	9.56E-01	2.52E-01	5.54E-03	2.57E-01	8.66E+02	1.55E-02	2.09E-02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	25	1.99E-02	7.46E-02	9.41E-01	2.57E-03	2.85E-01	1.81E-03	2.87E-01	7.55E-02	1.66E-03	7.72E-02	2.60E+02	4.65E-03	6.27E-03
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	25	5.30E-02	1.99E-01	2.51E+00	6.85E-03	7.60E-01	4.81E-03	7.65E-01	2.01E-01	4.43E-03	2.06E-01	6.93E+02	1.24E-02	1.67E-02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	25	1.32E-02	4.97E-02	6.28E-01	1.71E-03	1.90E-01	1.20E-03	1.91E-01	5.03E-02	1.11E-03	5.15E-02	1.73E+02	3.10E-03	4.18E-03
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	25	3.31E-02	1.24E-01	1.57E+00	4.28E-03	4.75E-01	3.01E-03	4.78E-01	1.26E-01	2.77E-03	1.29E-01	4.33E+02	7.74E-03	1.05E-02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	25	3.31E-02	1.24E-01	1.57E+00	4.28E-03	4.75E-01	3.01E-03	4.78E-01	1.26E-01	2.77E-03	1.29E-01	4.33E+02	7.74E-03	1.05E-02
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	25	1.99E-02	7.46E-02	9.41E-01	2.57E-03	2.85E-01	1.81E-03	2.87E-01	7.55E-02	1.66E-03	7.72E-02	2.60E+02	4.65E-03	6.27E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	25	1.32E-02	4.97E-02	6.28E-01	1.71E-03	1.90E-01	1.20E-03	1.91E-01	5.03E-02	1.11E-03	5.15E-02	1.73E+02	3.10E-03	4.18E-03
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	25	3.31E-02	1.24E-01	1.57E+00	4.28E-03	4.75E-01	3.01E-03	4.78E-01	1.26E-01	2.77E-03	1.29E-01	4.33E+02	7.74E-03	1.05E-02
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	25	1.32E-02	4.97E-02	6.28E-01	1.71E-03	1.90E-01	1.20E-03	1.91E-01	5.03E-02	1.11E-03	5.15E-02	1.73E+02	3.10E-03	4.18E-03
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	25	5.71E-02	2.15E-01	2.83E+00	8.32E-03	9.50E-01	5.62E-03	9.55E-01	2.52E-01	5.17E-03	2.57E-01	8.41E+02	1.35E-02	1.89E-02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	25	1.71E-02	6.45E-02	8.49E-01	2.50E-03	2.85E-01	1.69E-03	2.87E-01	7.55E-02	1.55E-03	7.71E-02	2.52E+02	4.06E-03	5.66E-03
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	25	4.57E-02	1.72E-01	2.26E+00	6.66E-03	7.60E-01	4.50E-03	7.64E-01	2.01E-01	4.14E-03	2.06E-01	6.73E+02	1.08E-02	1.51E-02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	25	2.86E-02	1.07E-01	1.41E+00	4.16E-03	4.75E-01	2.81E-03	4.78E-01	1.26E-01	2.59E-03	1.28E-01	4.20E+02	6.77E-03	9.43E-03
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	25	2.86E-02	1.07E-01	1.41E+00	4.16E-03	4.75E-01	2.81E-03	4.78E-01	1.26E-01	2.59E-03	1.28E-01	4.20E+02	6.77E-03	9.43E-03
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	25	1.71E-02	6.45E-02	8.49E-01	2.50E-03	2.85E-01	1.69E-03	2.87E-01	7.55E-02	1.55E-03	7.71E-02	2.52E+02	4.06E-03	5.66E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	25	1.14E-02	4.30E-02	5.66E-01	1.66E-03	1.90E-01	1.12E-03	1.91E-01	5.03E-02	1.03E-03	5.14E-02	1.68E+02	2.71E-03	3.77E-03
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	25	1.14E-02	4.30E-02	5.66E-01	1.66E-03	1.90E-01	1.12E-03	1.91E-01	5.03E-02	1.03E-03	5.14E-02	1.68E+02	2.71E-03	3.77E-03
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	25	1.14E-02	4.30E-02	5.66E-01	1.66E-03	1.90E-01	1.12E-03	1.91E-01	5.03E-02	1.03E-03	5.14E-02	1.68E+02	2.71E-03	3.77E-03
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	25	2.86E-02	1.07E-01	1.41E+00	4.16E-03	4.75E-01	2.81E-03	4.78E-01	1.26E-01	2.59E-03	1.28E-01	4.20E+02	6.77E-03	9.43E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	25	4.94E-02	1.87E-01	2.57E+00	8.06E-03	9.50E-01	5.25E-03	9.55E-01	2.52E-01	4.84E-03	2.57E-01	8.15E+02	1.18E-02	1.71E-02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	25	1.23E-02	4.68E-02	6.42E-01	2.02E-03	2.37E-01	1.31E-03	2.39E-01	6.29E-02	1.21E-03	6.41E-02	2.04E+02	2.96E-03	4.29E-03
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	25	2.47E-02	9.36E-02	1.28E+00	4.03E-03	4.75E-01	2.63E-03	4.77E-01	1.26E-01	2.42E-03	1.28E-01	4.07E+02	5.92E-03	8.57E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	25	3.70E-02	1.40E-01	1.93E+00	6.05E-03	7.12E-01	3.94E-03	7.16E-01	1.89E-01	3.63E-03	1.92E-01	6.11E+02	8.88E-03	1.29E-02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	25	2.47E-02	9.36E-02	1.28E+00	4.03E-03	4.75E-01	2.63E-03	4.77E-01	1.26E-01	2.42E-03	1.28E-01	4.07E+02	5.92E-03	8.57E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	25	1.48E-02	5.61E-02	7.71E-01	2.42E-03	2.85E-01	1.58E-03	2.86E-01	7.55E-02	1.45E-03	7.70E-02	2.44E+02	3.55E-03	5.14E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	25	1.73E-02	6.55E-02	8.99E-01	2.82E-03	3.32E-01	1.84E-03	3.34E-01	8.81E-02	1.69E-03	8.98E-02	2.85E+02	4.15E-03	6.00E-03
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	25	2.47E-02	9.36E-02	1.28E+00	4.03E-03	4.75E-01	2.63E-03	4.77E-01	1.26E-01	2.42E-03	1.28E-01	4.07E+02	5.92E-03	8.57E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	25	1.23E-02	4.68E-02	6.42E-01	2.02E-03	2.37E-01	1.31E-03	2.39E-01	6.29E-02	1.21E-03	6.41E-02	2.04E+02	2.96E-03	4.29E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	25	1.73E-02	6.55E-02	8.99E-01	2.82E-03	3.32E-01	1.84E-03	3.34E-01	8.81E-02	1.69E-03	8.98E-02	2.85E+02	4.15E-03	6.00E-03
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	25	4.27E-02	1.64E-01	2.35E+00	7.80E-03	9.50E-01	4.94E-03	9.55E-01	2.52E-01	4.55E-03	2.56E-01	7.89E+02	1.04E-02	1.57E-02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	25	8.55E-03	3.28E-02	4.69E-01	1.56E-03	1.90E-01	9.88E-04	1.91E-01	5.03E-02	9.10E-04	5.13E-02	1.58E+02	2.08E-03	3.14E-03
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	25	8.55E-03	3.28E-02	4.69E-01	1.56E-03	1.90E-01	9.88E-04	1.91E-01	5.03E-02	9.10E-04	5.13E-02	1.58E+02	2.08E-03	3.14E-03
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	25	4.27E-02	1.64E-01	2.35E+00	7.80E-03	9.50E-01	4.94E-03	9.55E-01	2.52E-01	4.55E-03	2.56E-01	7.89E+02	1.04E-02	1.57E-02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	25	2.14E-02	8.19E-02	1.17E+00	3.90E-03	4.75E-01	2.47E-03	4.77E-01	1.26E-01	2.27E-03	1.28E-01	3.94E+02	5.20E-03	7.84E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	25	1.28E-02	4.91E-02	7.04E-01	2.34E-03	2.85E-01	1.48E-03	2.86E-01	7.55E-02	1.36E-03	7.69E-02	2.37E+02	3.12E-03	4.70E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	25	2.14E-02	8.19E-02	1.17E+00	3.90E-03	4.75E-01	2.47E-03	4.77E-01	1.26E-01	2.27E-03	1.28E-01	3.94E+02	5.20E-03	7.84E-03
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	25	3.42E-02	1.31E-01	1.88E+00	6.24E-03	7.60E-01	3.95E-03	7.64E-01	2.01E-01	3.64E-03	2.05E-01	6.31E+02	8.32E-03	1.25E-02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	25	1.28E-02	4.91E-02	7.04E-01	2.34E-03	2.85E-01	1.48E-03	2.86E-01	7.55E-02	1.36E-03	7.69E-02	2.37E+02	3.12E-03	4.70E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	25	8.55E-03	3.28E-02	4.69E-01	1.56E-03	1.90E-01	9.88E-04	1.91E-01	5.03E-02	9.10E-04	5.13E-02	1.58E+02	2.08E-03	3.14E-03
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	25	3.77E-02	1.45E-01	2.17E+00	7.57E-03	9.50E-01	4.73E-03	9.54E-01	2.52E-01	4.35E-03	2.56E-01	7.66E+02	9.28E-03	1.45E-02
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	25	1.88E-02	7.24E-02	1.09E+00	3.79E-03	4.75E-01	2.36E-03	4.77E-01	1.26E-01	2.18E-03	1.28E-01	3.83E+02	4.64E-03	7.24E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	25	1.88E-02	7.24E-02	1.09E+00	3.79E-03	4.75E-01	2.36E-03	4.77E-01	1.26E-01	2.18E-03	1.28E-01	3.83E+02	4.64E-03	7.24E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	25	2.82E-02	1.09E-01	1.63E+00	5.68E-03	7.12E-01	3.55E-03	7.16E-01	1.89E-01	3.26E-03	1.92E-01	5.74E+02	6.96E-03	1.09E-02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	25	1.88E-02	7.24E-02	1.09E+00	3.79E-03	4.75E-01	2.36E-03	4.77E-01	1.26E-01	2.18E-03	1.28E-01	3.83E+02	4.64E-03	7.24E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	25	1.13E-02	4.35E-02	6.52E-01	2.27E-03	2.85E-01	1.42E-03	2.86E-01	7.55E-02	1.31E-03	7.68E-02	2.30E+02	2.78E-03	4.35E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	25	1.32E-02	5.07E-02	7.61E-01	2.65E-03	3.32E-01	1.65E-03	3.34E-01	8.81E-02	1.52E-03	8.96E-02	2.68E+02	3.25E-03	5.07E-03
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	25	9.42E-03	3.62E-02	5.43E-01	1.89E-03	2.37E-01	1.18E-03	2.39E-01	6.29E-02	1.09E-03	6.40E-02	1.91E+02	2.32E-03	3.62E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	25	1.88E-02	7.24E-02	1.09E+00	3.79E-03	4.75E-01	2.36E-03	4.77E-01	1.26E-01	2.18E-03	1.28E-01	3.83E+02	4.64E-03	7.24E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	25	7.53E-03	2.90E-02	4.35E-01	1.51E-03	1.90E-01	9.45E-04	1.91E-01	5.03E-02	8.70E-04	5.12E-02	1.53E+02	1.86E-03	2.90E-03
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	25	1.32E-02	5.07E-02	7.61E-01	2.65E-03	3.32E-01	1.65E-03	3.34E-01	8.81E-02	1.52E-03	8.96E-02	2.68E+02	3.25E-03	5.07E-03

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
						MT/yr			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	25	262	1.03E+02	1.84E-03	2.48E-03	1.04E+02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	25	262	3.09E+01	5.52E-04	7.45E-04	3.11E+01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	25	262	8.23E+01	1.47E-03	1.99E-03	8.30E+01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	25	262	2.06E+01	3.68E-04	4.97E-04	2.07E+01
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	25	262	5.15E+01	9.20E-04	1.24E-03	5.19E+01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	25	262	5.15E+01	9.20E-04	1.24E-03	5.19E+01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	25	262	3.09E+01	5.52E-04	7.45E-04	3.11E+01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	25	262	2.06E+01	3.68E-04	4.97E-04	2.07E+01
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	25	262	5.15E+01	9.20E-04	1.24E-03	5.19E+01
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	25	262	2.06E+01	3.68E-04	4.97E-04	2.07E+01
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	25	261	9.96E+01	1.60E-03	2.23E-03	1.00E+02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	25	261	2.99E+01	4.81E-04	6.70E-04	3.01E+01
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	25	261	7.96E+01	1.28E-03	1.79E-03	8.02E+01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	25	261	4.98E+01	8.01E-04	1.12E-03	5.01E+01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	25	261	4.98E+01	8.01E-04	1.12E-03	5.01E+01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	25	261	2.99E+01	4.81E-04	6.70E-04	3.01E+01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	25	261	1.99E+01	3.20E-04	4.47E-04	2.01E+01
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	25	261	1.99E+01	3.20E-04	4.47E-04	2.01E+01
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	25	261	1.99E+01	3.20E-04	4.47E-04	2.01E+01
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	25	261	4.98E+01	8.01E-04	1.12E-03	5.01E+01
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	25	260	9.61E+01	1.40E-03	2.02E-03	9.67E+01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	25	260	2.40E+01	3.49E-04	5.06E-04	2.42E+01
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	25	260	4.80E+01	6.98E-04	1.01E-03	4.84E+01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	25	260	7.21E+01	1.05E-03	1.52E-03	7.25E+01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	25	260	4.80E+01	6.98E-04	1.01E-03	4.84E+01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	25	260	2.88E+01	4.19E-04	6.07E-04	2.90E+01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	25	260	3.36E+01	4.89E-04	7.08E-04	3.39E+01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	25	260	4.80E+01	6.98E-04	1.01E-03	4.84E+01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	25	260	2.40E+01	3.49E-04	5.06E-04	2.42E+01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	25	260	3.36E+01	4.89E-04	7.08E-04	3.39E+01
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	25	260	9.30E+01	1.23E-03	1.85E-03	9.36E+01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	25	260	1.86E+01	2.45E-04	3.70E-04	1.87E+01
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	25	260	1.86E+01	2.45E-04	3.70E-04	1.87E+01
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	25	260	9.30E+01	1.23E-03	1.85E-03	9.36E+01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	25	260	4.65E+01	6.13E-04	9.25E-04	4.68E+01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	25	260	2.79E+01	3.68E-04	5.55E-04	2.81E+01
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	25	260	4.65E+01	6.13E-04	9.25E-04	4.68E+01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	25	260	7.44E+01	9.81E-04	1.48E-03	7.49E+01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	25	260	2.79E+01	3.68E-04	5.55E-04	2.81E+01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	25	260	1.86E+01	2.45E-04	3.70E-04	1.87E+01
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	25	262	9.10E+01	1.10E-03	1.72E-03	9.15E+01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	25	262	4.55E+01	5.51E-04	8.61E-04	4.58E+01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	25	262	4.55E+01	5.51E-04	8.61E-04	4.58E+01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	25	262	6.82E+01	8.27E-04	1.29E-03	6.86E+01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	25	262	4.55E+01	5.51E-04	8.61E-04	4.58E+01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	25	262	2.73E+01	3.31E-04	5.16E-04	2.75E+01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	25	262	3.18E+01	3.86E-04	6.03E-04	3.20E+01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	25	262	2.27E+01	2.76E-04	4.30E-04	2.29E+01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	25	262	4.55E+01	5.51E-04	8.61E-04	4.58E+01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	25	262	1.82E+01	2.20E-04	3.44E-04	1.83E+01
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	25	262	3.18E+01	3.86E-04	6.03E-04	3.20E+01

Worker Starting Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission Factor (g/trip)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	25	1.09E+00	2.65E-01	2.43E+00	6.28E-04	0.00E+00	2.30E-03	2.30E-03	0.00E+00	2.12E-03	2.12E-03	6.35E+01	6.99E-02	3.03E-02
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	25	1.01E+00	2.44E-01	2.35E+00	6.09E-04	0.00E+00	2.16E-03	2.16E-03	0.00E+00	1.99E-03	1.99E-03	6.15E+01	6.43E-02	2.89E-02
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	25	9.40E-01	2.24E-01	2.27E+00	5.90E-04	0.00E+00	2.04E-03	2.04E-03	0.00E+00	1.87E-03	1.87E-03	5.96E+01	5.92E-02	2.75E-02
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	25	8.76E-01	2.07E-01	2.19E+00	5.71E-04	0.00E+00	1.93E-03	1.93E-03	0.00E+00	1.78E-03	1.78E-03	5.77E+01	5.45E-02	2.62E-02
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	25	8.18E-01	1.92E-01	2.11E+00	5.52E-04	0.00E+00	1.84E-03	1.84E-03	0.00E+00	1.69E-03	1.69E-03	5.58E+01	5.02E-02	2.50E-02

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	25	6.03E-02	1.46E-02	1.34E-01	3.46E-05	0.00E+00	1.27E-04	1.27E-04	0.00E+00	1.17E-04	1.17E-04	3.50E+00	3.85E-03	1.67E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	25	1.81E-02	4.38E-03	4.02E-02	1.04E-05	0.00E+00	3.81E-05	3.81E-05	0.00E+00	3.50E-05	3.50E-05	1.05E+00	1.16E-03	5.01E-04
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	25	4.83E-02	1.17E-02	1.07E-01	2.77E-05	0.00E+00	1.02E-04	1.02E-04	0.00E+00	9.34E-05	9.34E-05	2.80E+00	3.08E-03	1.34E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	25	1.21E-02	2.92E-03	2.68E-02	6.92E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.34E-05	2.34E-05	7.00E-01	7.71E-04	3.34E-04
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	25	3.02E-02	7.31E-03	6.71E-02	1.73E-05	0.00E+00	6.35E-05	6.35E-05	0.00E+00	5.84E-05	5.84E-05	1.75E+00	1.93E-03	8.35E-04
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	25	3.02E-02	7.31E-03	6.71E-02	1.73E-05	0.00E+00	6.35E-05	6.35E-05	0.00E+00	5.84E-05	5.84E-05	1.75E+00	1.93E-03	8.35E-04
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	25	1.81E-02	4.38E-03	4.02E-02	1.04E-05	0.00E+00	3.81E-05	3.81E-05	0.00E+00	3.50E-05	3.50E-05	1.05E+00	1.16E-03	5.01E-04
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	25	1.21E-02	2.92E-03	2.68E-02	6.92E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.34E-05	2.34E-05	7.00E-01	7.71E-04	3.34E-04
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	25	3.02E-02	7.31E-03	6.71E-02	1.73E-05	0.00E+00	6.35E-05	6.35E-05	0.00E+00	5.84E-05	5.84E-05	1.75E+00	1.93E-03	8.35E-04
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	25	1.21E-02	2.92E-03	2.68E-02	6.92E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.34E-05	2.34E-05	7.00E-01	7.71E-04	3.34E-04
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	25	5.58E-02	1.34E-02	1.30E-01	3.36E-05	0.00E+00	1.19E-04	1.19E-04	0.00E+00	1.10E-04	1.10E-04	3.39E+00	3.54E-03	1.59E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	25	1.67E-02	4.03E-03	3.89E-02	1.01E-05	0.00E+00	3.58E-05	3.58E-05	0.00E+00	3.29E-05	3.29E-05	1.02E+00	1.06E-03	4.78E-04
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	25	4.46E-02	1.07E-02	1.04E-01	2.69E-05	0.00E+00	9.54E-05	9.54E-05	0.00E+00	8.77E-05	8.77E-05	2.71E+00	2.83E-03	1.27E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	25	2.79E-02	6.71E-03	6.48E-02	1.68E-05	0.00E+00	5.96E-05	5.96E-05	0.00E+00	5.48E-05	5.48E-05	1.70E+00	1.77E-03	7.96E-04
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	25	2.79E-02	6.71E-03	6.48E-02	1.68E-05	0.00E+00	5.96E-05	5.96E-05	0.00E+00	5.48E-05	5.48E-05	1.70E+00	1.77E-03	7.96E-04
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	25	1.67E-02	4.03E-03	3.89E-02	1.01E-05	0.00E+00	3.58E-05	3.58E-05	0.00E+00	3.29E-05	3.29E-05	1.02E+00	1.06E-03	4.78E-04
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	25	1.12E-02	2.68E-03	2.59E-02	6.71E-06	0.00E+00	2.38E-05	2.38E-05	0.00E+00	2.19E-05	2.19E-05	6.78E-01	7.08E-04	3.18E-04
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	25	1.12E-02	2.68E-03	2.59E-02	6.71E-06	0.00E+00	2.38E-05	2.38E-05	0.00E+00	2.19E-05	2.19E-05	6.78E-01	7.08E-04	3.18E-04
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	25	1.12E-02	2.68E-03	2.59E-02	6.71E-06	0.00E+00	2.38E-05	2.38E-05	0.00E+00	2.19E-05	2.19E-05	6.78E-01	7.08E-04	3.18E-04
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	25	2.79E-02	6.71E-03	6.48E-02	1.68E-05	0.00E+00	5.96E-05	5.96E-05	0.00E+00	5.48E-05	5.48E-05	1.70E+00	1.77E-03	7.96E-04
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	25	5.18E-02	1.24E-02	1.25E-01	3.25E-05	0.00E+00	1.12E-04	1.12E-04	0.00E+00	1.03E-04	1.03E-04	3.29E+00	3.26E-03	1.52E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	25	1.29E-02	3.09E-03	3.13E-02	8.13E-06	0.00E+00	2.81E-05	2.81E-05	0.00E+00	2.58E-05	2.58E-05	8.22E-01	8.15E-04	3.79E-04
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	25	2.59E-02	6.18E-03	6.26E-02	1.63E-05	0.00E+00	5.62E-05	5.62E-05	0.00E+00	5.17E-05	5.17E-05	1.64E+00	1.63E-03	7.59E-04
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	25	3.88E-02	9.27E-03	9.39E-02	2.44E-05	0.00E+00	8.43E-05	8.43E-05	0.00E+00	7.75E-05	7.75E-05	2.46E+00	2.45E-03	1.14E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	25	2.59E-02	6.18E-03	6.26E-02	1.63E-05	0.00E+00	5.62E-05	5.62E-05	0.00E+00	5.17E-05	5.17E-05	1.64E+00	1.63E-03	7.59E-04
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	25	1.55E-02	3.71E-03	3.76E-02	9.76E-06	0.00E+00	3.37E-05	3.37E-05	0.00E+00	3.10E-05	3.10E-05	9.86E-01	9.78E-04	4.55E-04
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	25	1.81E-02	4.33E-03	4.38E-02	1.14E-05	0.00E+00	3.93E-05	3.93E-05	0.00E+00	3.62E-05	3.62E-05	1.15E+00	1.14E-03	5.31E-04
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	25	2.59E-02	6.18E-03	6.26E-02	1.63E-05	0.00E+00	5.62E-05	5.62E-05	0.00E+00	5.17E-05	5.17E-05	1.64E+00	1.63E-03	7.59E-04
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	25	1.29E-02	3.09E-03	3.13E-02	8.13E-06	0.00E+00	2.81E-05	2.81E-05	0.00E+00	2.58E-05	2.58E-05	8.22E-01	8.15E-04	3.79E-04
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	25	1.81E-02	4.33E-03	4.38E-02	1.14E-05	0.00E+00	3.93E-05	3.93E-05	0.00E+00	3.62E-05	3.62E-05	1.15E+00	1.14E-03	5.31E-04
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	25	4.83E-02	1.14E-02	1.21E-01	3.15E-05	0.00E+00	1.07E-04	1.07E-04	0.00E+00	9.79E-05	9.79E-05	3.18E+00	3.00E-03	1.45E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	25	9.65E-03	2.29E-03	2.42E-02	6.30E-06	0.00E+00	2.13E-05	2.13E-05	0.00E+00	1.96E-05	1.96E-05	6.36E-01	6.01E-04	2.89E-04
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	25	9.65E-03	2.29E-03	2.42E-02	6.30E-06	0.00E+00	2.13E-05	2.13E-05	0.00E+00	1.96E-05	1.96E-05	6.36E-01	6.01E-04	2.89E-04
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	25	4.83E-02	1.14E-02	1.21E-01	3.15E-05	0.00E+00	1.07E-04	1.07E-04	0.00E+00	9.79E-05	9.79E-05	3.18E+00	3.00E-03	1.45E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	25	2.41E-02	5.71E-03	6.05E-02	1.57E-05	0.00E+00	5.33E-05	5.33E-05	0.00E+00	4.90E-05	4.90E-05	1.59E+00	1.50E-03	7.23E-04
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	25	1.45E-02	3.43E-03	3.63E-02	9.44E-06	0.00E+00	3.20E-05	3.20E-05	0.00E+00	2.94E-05	2.94E-05	9.54E-01	9.01E-04	4.34E-04
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	25	2.41E-02	5.71E-03	6.05E-02	1.57E-05	0.00E+00	5.33E-05	5.33E-05	0.00E+00	4.90E-05	4.90E-05	1.59E+00	1.50E-03	7.23E-04
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	25	3.86E-02	9.14E-03	9.67E-02	2.52E-05	0.00E+00	8.52E-05	8.52E-05	0.00E+00	7.84E-05	7.84E-05	2.54E+00	2.40E-03	1.16E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	25	1.45E-02	3.43E-03	3.63E-02	9.44E-06	0.00E+00	3.20E-05	3.20E-05	0.00E+00	2.94E-05	2.94E-05	9.54E-01	9.01E-04	4.34E-04
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	25	9.65E-03	2.29E-03	2.42E-02	6.30E-06	0.00E+00	2.13E-05	2.13E-05	0.00E+00	1.96E-05	1.96E-05	6.36E-01	6.01E-04	2.89E-04
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	25	4.51E-02	1.06E-02	1.17E-01	3.04E-05	0.00E+00	1.02E-04	1.02E-04	0.00E+00	9.34E-05	9.34E-05	3.08E+00	2.77E-03	1.38E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	25	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	25	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	25	3.38E-02	7.95E-03	8.74E-02	2.28E-05	0.00E+00	7.61E-05	7.61E-05	0.00E+00	7.00E-05	7.00E-05	2.31E+00	2.08E-03	1.03E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	25	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	25	1.35E-02	3.18E-03	3.50E-02	9.13E-06	0.00E+00	3.05E-05	3.05E-05	0.00E+00	2.80E-05	2.80E-05	9.23E-01	8.30E-04	4.13E-04
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	25	1.58E-02	3.71E-03	4.08E-02	1.07E-05	0.00E+00	3.55E-05	3.55E-05	0.00E+00	3.27E-05	3.27E-05	1.08E+00	9.69E-04	4.82E-04
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	25	1.13E-02	2.65E-03	2.91E-02	7.61E-06	0.00E+00	2.54E-05	2.54E-05	0.00E+00	2.33E-05	2.33E-05	7.69E-01	6.92E-04	3.44E-04
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	25	2.26E-02	5.30E-03	5.83E-02	1.52E-05	0.00E+00	5.08E-05	5.08E-05	0.00E+00	4.67E-05	4.67E-05	1.54E+00	1.38E-03	6.88E-04
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	25	9.02E-03	2.12E-03	2.33E-02	6.09E-06	0.00E+00	2.03E-05	2.03E-05	0.00E+00	1.87E-05	1.87E-05	6.15E-01	5.54E-04	2.75E-04
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	25	1.58E-02	3.71E-03	4.08E-02	1.07E-05	0.00E+00	3.55E-05	3.55E-05	0.00E+00	3.27E-05	3.27E-05	1.08E+00	9.69E-04	4.82E-04

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
						MT/yr			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	50	25	262	4.16E-01	4.58E-04	1.98E-04	4.86E-01
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	15	25	262	1.25E-01	1.37E-04	5.95E-05	1.46E-01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	40	25	262	3.33E-01	3.66E-04	1.59E-04	3.89E-01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	10	25	262	8.31E-02	9.16E-05	3.97E-05	9.73E-02
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	25	25	262	2.08E-01	2.29E-04	9.92E-05	2.43E-01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	25	25	262	2.08E-01	2.29E-04	9.92E-05	2.43E-01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	15	25	262	1.25E-01	1.37E-04	5.95E-05	1.46E-01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	10	25	262	8.31E-02	9.16E-05	3.97E-05	9.73E-02
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	25	25	262	2.08E-01	2.29E-04	9.92E-05	2.43E-01
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	10	25	262	8.31E-02	9.16E-05	3.97E-05	9.73E-02
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	50	25	261	4.02E-01	4.19E-04	1.88E-04	4.68E-01
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	15	25	261	1.20E-01	1.26E-04	5.65E-05	1.40E-01
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	40	25	261	3.21E-01	3.35E-04	1.51E-04	3.75E-01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	25	25	261	2.01E-01	2.10E-04	9.42E-05	2.34E-01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	25	25	261	2.01E-01	2.10E-04	9.42E-05	2.34E-01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	15	25	261	1.20E-01	1.26E-04	5.65E-05	1.40E-01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	10	25	261	8.03E-02	8.39E-05	3.77E-05	9.36E-02
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	10	25	261	8.03E-02	8.39E-05	3.77E-05	9.36E-02
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	10	25	261	8.03E-02	8.39E-05	3.77E-05	9.36E-02
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	25	25	261	2.01E-01	2.10E-04	9.42E-05	2.34E-01
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	50	25	260	3.88E-01	3.85E-04	1.79E-04	4.50E-01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	12.5	25	260	9.69E-02	9.61E-05	4.47E-05	1.13E-01
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	25	25	260	1.94E-01	1.92E-04	8.95E-05	2.25E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	37.5	25	260	2.91E-01	2.88E-04	1.34E-04	3.38E-01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	25	25	260	1.94E-01	1.92E-04	8.95E-05	2.25E-01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	15	25	260	1.16E-01	1.15E-04	5.37E-05	1.35E-01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	17.5	25	260	1.36E-01	1.35E-04	6.26E-05	1.58E-01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	25	25	260	1.94E-01	1.92E-04	8.95E-05	2.25E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	12.5	25	260	9.69E-02	9.61E-05	4.47E-05	1.13E-01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	17.5	25	260	1.36E-01	1.35E-04	6.26E-05	1.58E-01
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	50	25	260	3.75E-01	3.54E-04	1.71E-04	4.35E-01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	10	25	260	7.50E-02	7.09E-05	3.41E-05	8.70E-02
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	10	25	260	7.50E-02	7.09E-05	3.41E-05	8.70E-02
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	50	25	260	3.75E-01	3.54E-04	1.71E-04	4.35E-01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	25	25	260	1.88E-01	1.77E-04	8.53E-05	2.17E-01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	15	25	260	1.13E-01	1.06E-04	5.12E-05	1.30E-01
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	25	25	260	1.88E-01	1.77E-04	8.53E-05	2.17E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	40	25	260	3.00E-01	2.83E-04	1.36E-04	3.48E-01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	15	25	260	1.13E-01	1.06E-04	5.12E-05	1.30E-01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	10	25	260	7.50E-02	7.09E-05	3.41E-05	8.70E-02
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	50	25	262	3.66E-01	3.29E-04	1.64E-04	4.23E-01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	25	25	262	1.83E-01	1.64E-04	8.18E-05	2.11E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	25	25	262	1.83E-01	1.64E-04	8.18E-05	2.11E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	37.5	25	262	2.74E-01	2.47E-04	1.23E-04	3.17E-01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	25	25	262	1.83E-01	1.64E-04	8.18E-05	2.11E-01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	15	25	262	1.10E-01	9.87E-05	4.91E-05	1.27E-01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	17.5	25	262	1.28E-01	1.15E-04	5.73E-05	1.48E-01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	12.5	25	262	9.14E-02	8.22E-05	4.09E-05	1.06E-01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	25	25	262	1.83E-01	1.64E-04	8.18E-05	2.11E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	10	25	262	7.31E-02	6.58E-05	3.27E-05	8.45E-02
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	17.5	25	262	1.28E-01	1.15E-04	5.73E-05	1.48E-01

						Vendor Running Emission Factors												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission Factor (g/mile)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	25	15	1.36E-01	3.46E+00	7.35E-01	1.22E-02	4.19E-01	6.86E-02	4.88E-01	1.21E-01	6.56E-02	1.86E-01	1.31E+03	4.43E-02	1.88E-01
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	25	15	1.11E-01	3.04E+00	6.34E-01	1.19E-02	4.19E-01	5.67E-02	4.76E-01	1.21E-01	5.43E-02	1.75E-01	1.28E+03	4.35E-02	1.84E-01
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	25	15	6.44E-02	2.43E+00	4.67E-01	1.15E-02	4.19E-01	3.12E-02	4.50E-01	1.21E-01	2.99E-02	1.50E-01	1.24E+03	4.15E-02	1.79E-01
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	25	15	1.85E-02	1.74E+00	3.27E-01	1.10E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.18E+03	3.96E-02	1.70E-01
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	25	15	1.79E-02	1.75E+00	3.18E-01	1.08E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.17E+03	3.96E-02	1.68E-01

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	25	15	6.77E-02	1.72E+00	3.64E-01	6.03E-03	2.08E-01	3.40E-02	2.42E-01	5.98E-02	3.25E-02	9.23E-02	6.47E+02	2.20E-02	9.30E-02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	25	15	1.50E-02	3.82E-01	8.10E-02	1.34E-03	4.62E-02	7.56E-03	5.38E-02	1.33E-02	7.23E-03	2.05E-02	1.44E+02	4.89E-03	2.07E-02
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	25	15	1.88E-01	4.77E+00	1.01E+00	1.68E-02	5.78E-01	9.45E-02	6.72E-01	1.66E-01	9.04E-02	2.56E-01	1.80E+03	6.11E-02	2.58E-01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	25	15	4.51E-02	1.15E+00	2.43E-01	4.02E-03	1.39E-01	2.27E-02	1.61E-01	3.99E-02	2.17E-02	6.15E-02	4.32E+02	1.47E-02	6.20E-02
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	25	15	1.50E-02	3.82E-01	8.10E-02	1.34E-03	4.62E-02	7.56E-03	5.38E-02	1.33E-02	7.23E-03	2.05E-02	1.44E+02	4.89E-03	2.07E-02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	25	15	1.13E-01	2.86E+00	6.07E-01	1.01E-02	3.47E-01	5.67E-02	4.03E-01	9.96E-02	5.42E-02	1.54E-01	1.08E+03	3.67E-02	1.55E-01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	25	15	4.51E-02	1.15E+00	2.43E-01	4.02E-03	1.39E-01	2.27E-02	1.61E-01	3.99E-02	2.17E-02	6.15E-02	4.32E+02	1.47E-02	6.20E-02
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	25	15	5.26E-02	1.34E+00	2.83E-01	4.69E-03	1.62E-01	2.64E-02	1.88E-01	4.65E-02	2.53E-02	7.18E-02	5.04E+02	1.71E-02	7.24E-02
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	25	15	4.51E-02	1.15E+00	2.43E-01	4.02E-03	1.39E-01	2.27E-02	1.61E-01	3.99E-02	2.17E-02	6.15E-02	4.32E+02	1.47E-02	6.20E-02
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	25	15	3.01E-02	7.64E-01	1.62E-01	2.68E-03	9.24E-02	1.51E-02	1.08E-01	2.66E-02	1.45E-02	4.10E-02	2.88E+02	9.77E-03	4.13E-02
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	25	15	5.50E-02	1.51E+00	3.15E-01	5.90E-03	2.08E-01	2.81E-02	2.36E-01	5.98E-02	2.69E-02	8.67E-02	6.34E+02	2.16E-02	9.12E-02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	25	15	1.22E-02	3.35E-01	6.99E-02	1.31E-03	4.62E-02	6.25E-03	5.25E-02	1.33E-02	5.98E-03	1.93E-02	1.41E+02	4.79E-03	2.03E-02
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	25	15	1.53E-01	4.18E+00	8.74E-01	1.64E-02	5.78E-01	7.82E-02	6.56E-01	1.66E-01	7.48E-02	2.41E-01	1.76E+03	5.99E-02	2.53E-01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	25	15	1.22E-02	3.35E-01	6.99E-02	1.31E-03	4.62E-02	6.25E-03	5.25E-02	1.33E-02	5.98E-03	1.93E-02	1.41E+02	4.79E-03	2.03E-02
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	25	15	1.22E-02	3.35E-01	6.99E-02	1.31E-03	4.62E-02	6.25E-03	5.25E-02	1.33E-02	5.98E-03	1.93E-02	1.41E+02	4.79E-03	2.03E-02
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	25	15	3.66E-02	1.00E+00	2.10E-01	3.93E-03	1.39E-01	1.88E-02	1.57E-01	3.99E-02	1.80E-02	5.78E-02	4.23E+02	1.44E-02	6.08E-02
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	25	15	4.28E-02	1.17E+00	2.45E-01	4.59E-03	1.62E-01	2.19E-02	1.84E-01	4.65E-02	2.09E-02	6.74E-02	4.93E+02	1.68E-02	7.09E-02
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	25	15	3.66E-02	1.00E+00	2.10E-01	3.93E-03	1.39E-01	1.88E-02	1.57E-01	3.99E-02	1.80E-02	5.78E-02	4.23E+02	1.44E-02	6.08E-02
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	25	15	2.44E-02	6.70E-01	1.40E-01	2.62E-03	9.24E-02	1.25E-02	1.05E-01	2.66E-02	1.20E-02	3.85E-02	2.82E+02	9.59E-03	4.05E-02
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	25	15	3.66E-02	1.00E+00	2.10E-01	3.93E-03	1.39E-01	1.88E-02	1.57E-01	3.99E-02	1.80E-02	5.78E-02	4.23E+02	1.44E-02	6.08E-02
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	25	15	4.26E-02	1.60E+00	3.09E-01	7.63E-03	2.77E-01	2.06E-02	2.98E-01	7.97E-02	1.98E-02	9.95E-02	8.21E+02	2.75E-02	1.18E-01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	25	15	1.60E-02	6.02E-01	1.16E-01	2.86E-03	1.04E-01	7.74E-03	1.12E-01	2.99E-02	7.41E-03	3.73E-02	3.08E+02	1.03E-02	4.43E-02
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	25	15	5.15E-02	1.94E+00	3.74E-01	9.22E-03	3.35E-01	2.50E-02	3.60E-01	9.63E-02	2.39E-02	1.20E-01	9.92E+02	3.32E-02	1.43E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	25	15	3.02E-02	1.14E+00	2.19E-01	5.40E-03	1.96E-01	1.46E-02	2.11E-01	5.65E-02	1.40E-02	7.04E-02	5.81E+02	1.95E-02	8.36E-02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	25	15	5.32E-02	2.01E+00	3.86E-01	9.54E-03	3.47E-01	2.58E-02	3.72E-01	9.96E-02	2.47E-02	1.24E-01	1.03E+03	3.43E-02	1.48E-01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	25	15	2.13E-02	8.02E-01	1.55E-01	3.82E-03	1.39E-01	1.03E-02	1.49E-01	3.99E-02	9.88E-03	4.97E-02	4.10E+02	1.37E-02	5.90E-02
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	25	15	1.60E-02	6.02E-01	1.16E-01	2.86E-03	1.04E-01	7.74E-03	1.12E-01	2.99E-02	7.41E-03	3.73E-02	3.08E+02	1.03E-02	4.43E-02
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	25	15	5.50E-02	2.07E+00	3.99E-01	9.86E-03	3.58E-01	2.67E-02	3.85E-01	1.03E-01	2.55E-02	1.28E-01	1.06E+03	3.55E-02	1.52E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	25	15	1.77E-02	6.69E-01	1.29E-01	3.18E-03	1.16E-01	8.60E-03	1.24E-01	3.32E-02	8.23E-03	4.14E-02	3.42E+02	1.14E-02	4.92E-02
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	25	15	2.13E-02	8.02E-01	1.55E-01	3.82E-03	1.39E-01	1.03E-02	1.49E-01	3.99E-02	9.88E-03	4.97E-02	4.10E+02	1.37E-02	5.90E-02
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	25	15	1.53E-02	1.44E+00	2.70E-01	9.08E-03	3.47E-01	1.11E-02	3.58E-01	9.96E-02	1.07E-02	1.10E-01	9.78E+02	3.27E-02	1.40E-01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	25	15	7.14E-03	6.71E-01	1.26E-01	4.24E-03	1.62E-01	5.20E-03	1.67E-01	4.65E-02	4.98E-03	5.15E-02	4.56E+02	1.53E-02	6.55E-02
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	25	15	4.08E-03	3.83E-01	7.20E-02	2.42E-03	9.24E-02	2.97E-03	9.54E-02	2.66E-02	2.84E-03	2.94E-02	2.61E+02	8.72E-03	3.74E-02
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	25	15	1.53E-02	1.44E+00	2.70E-01	9.08E-03	3.47E-01	1.11E-02	3.58E-01	9.96E-02	1.07E-02	1.10E-01	9.78E+02	3.27E-02	1.40E-01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	25	15	1.53E-02	1.44E+00	2.70E-01	9.08E-03	3.47E-01	1.11E-02	3.58E-01	9.96E-02	1.07E-02	1.10E-01	9.78E+02	3.27E-02	1.40E-01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	25	15	6.12E-03	5.75E-01	1.08E-01	3.63E-03	1.39E-01	4.46E-03	1.43E-01	3.99E-02	4.26E-03	4.41E-02	3.91E+02	1.31E-02	5.62E-02
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	25	15	2.04E-03	1.92E-01	3.60E-02	1.21E-03	4.62E-02	1.49E-03	4.77E-02	1.33E-02	1.42E-03	1.47E-02	1.30E+02	4.36E-03	1.87E-02
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	25	15	2.55E-02	2.39E+00	4.50E-01	1.51E-02	5.78E-01	1.86E-02	5.96E-01	1.66E-01	1.78E-02	1.84E-01	1.63E+03	5.45E-02	2.34E-01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	25	15	6.12E-03	5.75E-01	1.08E-01	3.63E-03	1.39E-01	4.46E-03	1.43E-01	3.99E-02	4.26E-03	4.41E-02	3.91E+02	1.31E-02	5.62E-02
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	25	15	6.12E-03	5.75E-01	1.08E-01	3.63E-03	1.39E-01	4.46E-03	1.43E-01	3.99E-02	4.26E-03	4.41E-02	3.91E+02	1.31E-02	5.62E-02
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	25	15	1.13E-02	1.11E+00	2.02E-01	6.85E-03	2.66E-01	8.57E-03	2.74E-01	7.64E-02	8.20E-03	8.46E-02	7.39E+02	2.51E-02	1.06E-01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	25	15	1.43E-02	1.40E+00	2.54E-01	8.64E-03	3.35E-01	1.08E-02	3.46E-01	9.63E-02	1.03E-02	1.07E-01	9.32E+02	3.17E-02	1.34E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	25	15	1.43E-02	1.40E+00	2.54E-01	8.64E-03	3.35E-01	1.08E-02	3.46E-01	9.63E-02	1.03E-02	1.07E-01	9.32E+02	3.17E-02	1.34E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	25	15	8.36E-03	8.21E-01	1.49E-01	5.07E-03	1.96E-01	6.34E-03	2.03E-01	5.65E-02	6.06E-03	6.25E-02	5.46E+02	1.86E-02	7.85E-02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	25	15	1.48E-02	1.45E+00	2.63E-01	8.94E-03	3.47E-01	1.12E-02	3.58E-01	9.96E-02	1.07E-02	1.10E-01	9.64E+02	3.27E-02	1.39E-01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	25	15	5.90E-03	5.79E-01	1.05E-01	3.58E-03	1.39E-01	4.47E-03	1.43E-01	3.99E-02	4.28E-03	4.41E-02	3.86E+02	1.31E-02	5.54E-02
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	25	15	4.43E-03	4.34E-01	7.89E-02	2.68E-03	1.04E-01	3.35E-03	1.07E-01	2.99E-02	3.21E-03	3.31E-02	2.89E+02	9.82E-03	4.16E-02
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	25	15	1.97E-03	1.93E-01	3.51E-02	1.19E-03	4.62E-02	1.49E-03	4.77E-02	1.33E-02	1.43E-03	1.47E-02	1.29E+02	4.37E-03	1.85E-02
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	25	15	1.52E-02	1.50E+00	2.72E-01	9.24E-03	3.58E-01	1.16E-02	3.70E-01	1.03E-01	1.11E-02	1.14E-01	9.96E+02	3.38E-02	1.43E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	25	15	5.41E-03	5.31E-01	9.65E-02	3.28E-03	1.27E-01	4.10E-03	1.31E-01	3.65E-02	3.92E-03	4.05E-02	3.53E+02	1.20E-02	5.08E-02
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	25	15	5.90E-03	5.79E-01	1.05E-01	3.58E-03	1.39E-01	4.47E-03	1.43E-01	3.99E-02	4.28E-03	4.41E-02	3.86E+02	1.31E-02	5.54E-02

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
							MT/year			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	25	15	262	7.69E+01	0.0026137	0.011056	8.03E+01
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	25	15	262	17.096633	0.0005808	0.0024569	1.78E+01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	25	15	262	213.70791	0.0072602	0.030711	2.23E+02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	25	15	262	51.289899	0.0017425	0.0073706	5.35E+01
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	25	15	262	17.096633	0.0005808	0.0024569	1.78E+01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	25	15	262	128.22475	0.0043561	0.0184266	1.34E+02
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	25	15	262	51.289899	0.0017425	0.0073706	5.35E+01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	15	262	0	0	0	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	25	15	262	59.838216	0.0020329	0.0085991	6.25E+01
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	25	15	262	51.289899	0.0017425	0.0073706	5.35E+01
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	25	15	262	34.193266	0.0011616	0.0049138	3.57E+01
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	25	15	261	75.078512	0.0025542	0.010799	7.84E+01
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	25	15	261	16.684114	0.0005676	0.0023998	1.74E+01
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	25	15	261	208.55142	0.007095	0.0299972	2.18E+02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	25	15	261	16.684114	0.0005676	0.0023998	1.74E+01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	25	15	261	16.684114	0.0005676	0.0023998	1.74E+01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	25	15	261	50.052341	0.0017028	0.0071993	5.22E+01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	25	15	261	58.394398	0.0019866	0.0083992	6.09E+01
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	25	15	261	50.052341	0.0017028	0.0071993	5.22E+01
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	15	261	0	0	0	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	25	15	261	33.368227	0.0011352	0.0047995	3.48E+01
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	25	15	261	50.052341	0.0017028	0.0071993	5.22E+01
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	25	15	260	96.800505	0.0032397	0.0139235	1.01E+02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	25	15	260	36.300189	0.0012149	0.0052213	3.79E+01
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	25	15	260	116.96728	0.0039146	0.0168243	1.22E+02
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	25	15	260	68.567024	0.0022948	0.0098625	7.16E+01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	25	15	260	121.00063	0.0040496	0.0174044	1.26E+02
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	25	15	260	48.400252	0.0016198	0.0069618	5.05E+01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	25	15	260	36.300189	0.0012149	0.0052213	3.79E+01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	25	15	260	125.03399	0.0041846	0.0179846	1.30E+02
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	15	260	0	0	0	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	25	15	260	40.333544	0.0013499	0.0058015	4.21E+01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	25	15	260	48.400252	0.0016198	0.0069618	5.05E+01
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	25	15	260	115.33044	0.0038567	0.0165587	1.20E+02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	25	15	260	53.82087	0.0017998	0.0077274	5.62E+01
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	25	15	260	30.754783	0.0010285	0.0044157	3.21E+01
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	25	15	260	115.33044	0.0038567	0.0165587	1.20E+02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	25	15	260	115.33044	0.0038567	0.0165587	1.20E+02
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	25	15	260	46.132174	0.0015427	0.0066235	4.81E+01
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	25	15	260	15.377391	0.0005142	0.0022078	1.60E+01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	15	260	0	0	0	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	25	15	260	192.21739	0.0064278	0.0275979	2.01E+02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	15	260	0	0	0	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	25	15	260	46.132174	0.0015427	0.0066235	4.81E+01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	25	15	260	46.132174	0.0015427	0.0066235	4.81E+01
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	25	15	262	87.823552	0.0029836	0.0126287	9.17E+01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	25	15	262	110.73404	0.0037619	0.0159232	1.16E+02
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	25	15	262	110.73404	0.0037619	0.0159232	1.16E+02
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	25	15	262	64.91306	0.0022052	0.0093343	6.77E+01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	25	15	262	114.55246	0.0038916	0.0164722	1.20E+02
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	25	15	262	45.820984	0.0015566	0.0065889	4.78E+01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	25	15	262	34.365738	0.0011675	0.0049417	3.59E+01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	25	15	262	15.273661	0.0005189	0.0021963	1.59E+01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	25	15	262	118.37087	0.0040213	0.0170213	1.24E+02
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	15	262	0	0	0	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	25	15	262	42.002568	0.0014269	0.0060398	4.38E+01
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	25	15	262	45.820984	0.0015566	0.0065889	4.78E+01

						Vendor Starting Evaporative Emission Factors												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission Factor (g/trip)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	25	15	1.15E-01	1.41E+00	7.16E-01	5.90E-05	0.00E+00	6.79E-05	6.79E-05	0.00E+00	6.25E-05	6.25E-05	5.96E+00	6.08E-03	4.29E-03
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	25	15	1.08E-01	1.52E+00	6.72E-01	5.72E-05	0.00E+00	6.38E-05	6.38E-05	0.00E+00	5.87E-05	5.87E-05	5.78E+00	5.81E-03	4.25E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	25	15	1.03E-01	1.71E+00	6.38E-01	5.61E-05	0.00E+00	6.13E-05	6.13E-05	0.00E+00	5.63E-05	5.63E-05	5.67E+00	5.62E-03	4.26E-03
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	25	15	9.95E-02	2.00E+00	6.15E-01	5.57E-05	0.00E+00	6.02E-05	6.02E-05	0.00E+00	5.53E-05	5.53E-05	5.63E+00	5.51E-03	4.31E-03
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	25	15	9.29E-02	2.01E+00	5.71E-01	5.31E-05	0.00E+00	5.73E-05	5.73E-05	0.00E+00	5.27E-05	5.27E-05	5.37E+00	5.19E-03	4.19E-03

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	25	15	1.14E-03	1.40E-02	7.10E-03	5.85E-07	0.00E+00	6.74E-07	6.74E-07	0.00E+00	6.20E-07	6.20E-07	5.91E-02	6.03E-05	4.26E-05
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	25	15	2.54E-04	3.11E-03	1.58E-03	1.30E-07	0.00E+00	1.50E-07	1.50E-07	0.00E+00	1.38E-07	1.38E-07	1.31E-02	1.34E-05	9.47E-06
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	25	15	3.17E-03	3.88E-02	1.97E-02	1.63E-06	0.00E+00	1.87E-06	1.87E-06	0.00E+00	1.72E-06	1.72E-06	1.64E-01	1.67E-04	1.18E-04
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	25	15	7.62E-04	9.32E-03	4.74E-03	3.90E-07	0.00E+00	4.49E-07	4.49E-07	0.00E+00	4.13E-07	4.13E-07	3.94E-02	4.02E-05	2.84E-05
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	25	15	2.54E-04	3.11E-03	1.58E-03	1.30E-07	0.00E+00	1.50E-07	1.50E-07	0.00E+00	1.38E-07	1.38E-07	1.31E-02	1.34E-05	9.47E-06
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	25	15	1.90E-03	2.33E-02	1.18E-02	9.75E-07	0.00E+00	1.12E-06	1.12E-06	0.00E+00	1.03E-06	1.03E-06	9.85E-02	1.00E-04	7.10E-05
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	25	15	7.62E-04	9.32E-03	4.74E-03	3.90E-07	0.00E+00	4.49E-07	4.49E-07	0.00E+00	4.13E-07	4.13E-07	3.94E-02	4.02E-05	2.84E-05
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	25	15	8.89E-04	1.09E-02	5.53E-03	4.55E-07	0.00E+00	5.24E-07	5.24E-07	0.00E+00	4.82E-07	4.82E-07	4.60E-02	4.69E-05	3.31E-05
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	25	15	7.62E-04	9.32E-03	4.74E-03	3.90E-07	0.00E+00	4.49E-07	4.49E-07	0.00E+00	4.13E-07	4.13E-07	3.94E-02	4.02E-05	2.84E-05
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	25	15	5.08E-04	6.22E-03	3.16E-03	2.60E-07	0.00E+00	3.00E-07	3.00E-07	0.00E+00	2.75E-07	2.75E-07	2.63E-02	2.68E-05	1.89E-05
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	25	15	1.07E-03	1.51E-02	6.67E-03	5.67E-07	0.00E+00	6.33E-07	6.33E-07	0.00E+00	5.82E-07	5.82E-07	5.73E-02	5.76E-05	4.22E-05
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	25	15	2.38E-04	3.36E-03	1.48E-03	1.26E-07	0.00E+00	1.41E-07	1.41E-07	0.00E+00	1.29E-07	1.29E-07	1.27E-02	1.28E-05	9.38E-06
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	25	15	2.98E-03	4.20E-02	1.85E-02	1.58E-06	0.00E+00	1.76E-06	1.76E-06	0.00E+00	1.62E-06	1.62E-06	1.59E-01	1.60E-04	1.17E-04
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	25	15	2.38E-04	3.36E-03	1.48E-03	1.26E-07	0.00E+00	1.41E-07	1.41E-07	0.00E+00	1.29E-07	1.29E-07	1.27E-02	1.28E-05	9.38E-06
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	25	15	2.38E-04	3.36E-03	1.48E-03	1.26E-07	0.00E+00	1.41E-07	1.41E-07	0.00E+00	1.29E-07	1.29E-07	1.27E-02	1.28E-05	9.38E-06
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	25	15	7.15E-04	1.01E-02	4.44E-03	3.78E-07	0.00E+00	4.22E-07	4.22E-07	0.00E+00	3.88E-07	3.88E-07	3.82E-02	3.84E-05	2.81E-05
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	25	15	8.34E-04	1.18E-02	5.19E-03	4.41E-07	0.00E+00	4.92E-07	4.92E-07	0.00E+00	4.53E-07	4.53E-07	4.46E-02	4.48E-05	3.28E-05
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	25	15	7.15E-04	1.01E-02	4.44E-03	3.78E-07	0.00E+00	4.22E-07	4.22E-07	0.00E+00	3.88E-07	3.88E-07	3.82E-02	3.84E-05	2.81E-05
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	25	15	4.77E-04	6.72E-03	2.96E-03	2.52E-07	0.00E+00	2.81E-07	2.81E-07	0.00E+00	2.59E-07	2.59E-07	2.55E-02	2.56E-05	1.88E-05
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	25	15	7.15E-04	1.01E-02	4.44E-03	3.78E-07	0.00E+00	4.22E-07	4.22E-07	0.00E+00	3.88E-07	3.88E-07	3.82E-02	3.84E-05	2.81E-05
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	25	15	1.36E-03	2.27E-02	8.44E-03	7.42E-07	0.00E+00	8.10E-07	8.10E-07	0.00E+00	7.45E-07	7.45E-07	7.50E-02	7.43E-05	5.63E-05
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	25	15	5.10E-04	8.49E-03	3.16E-03	2.78E-07	0.00E+00	3.04E-07	3.04E-07	0.00E+00	2.79E-07	2.79E-07	2.81E-02	2.79E-05	2.11E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	25	15	1.64E-03	2.74E-02	1.02E-02	8.96E-07	0.00E+00	9.79E-07	9.79E-07	0.00E+00	9.00E-07	9.00E-07	9.06E-02	8.98E-05	6.80E-05
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	25	15	9.64E-04	1.60E-02	5.98E-03	5.26E-07	0.00E+00	5.74E-07	5.74E-07	0.00E+00	5.28E-07	5.28E-07	5.31E-02	5.26E-05	3.99E-05
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	25	15	1.70E-03	2.83E-02	1.05E-02	9.27E-07	0.00E+00	1.01E-06	1.01E-06	0.00E+00	9.31E-07	9.31E-07	9.37E-02	9.29E-05	7.04E-05
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	25	15	6.80E-04	1.13E-02	4.22E-03	3.71E-07	0.00E+00	4.05E-07	4.05E-07	0.00E+00	3.73E-07	3.73E-07	3.75E-02	3.71E-05	2.81E-05
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	25	15	5.10E-04	8.49E-03	3.16E-03	2.78E-07	0.00E+00	3.04E-07	3.04E-07	0.00E+00	2.79E-07	2.79E-07	2.81E-02	2.79E-05	2.11E-05
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	25	15	1.76E-03	2.93E-02	1.09E-02	9.58E-07	0.00E+00	1.05E-06	1.05E-06	0.00E+00	9.62E-07	9.62E-07	9.68E-02	9.60E-05	7.27E-05
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	25	15	5.67E-04	9.44E-03	3.51E-03	3.09E-07	0.00E+00	3.38E-07	3.38E-07	0.00E+00	3.10E-07	3.10E-07	3.12E-02	3.10E-05	2.35E-05
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	25	15	6.80E-04	1.13E-02	4.22E-03	3.71E-07	0.00E+00	4.05E-07	4.05E-07	0.00E+00	3.73E-07	3.73E-07	3.75E-02	3.71E-05	2.81E-05
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	25	15	1.64E-03	3.31E-02	1.02E-02	9.22E-07	0.00E+00	9.95E-07	9.95E-07	0.00E+00	9.15E-07	9.15E-07	9.31E-02	9.10E-05	7.13E-05
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	25	15	7.68E-04	1.54E-02	4.74E-03	4.30E-07	0.00E+00	4.64E-07	4.64E-07	0.00E+00	4.27E-07	4.27E-07	4.35E-02	4.25E-05	3.33E-05
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	25	15	4.39E-04	8.81E-03	2.71E-03	2.46E-07	0.00E+00	2.65E-07	2.65E-07	0.00E+00	2.44E-07	2.44E-07	2.48E-02	2.43E-05	1.90E-05
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	25	15	1.64E-03	3.31E-02	1.02E-02	9.22E-07	0.00E+00	9.95E-07	9.95E-07	0.00E+00	9.15E-07	9.15E-07	9.31E-02	9.10E-05	7.13E-05
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	25	15	1.64E-03	3.31E-02	1.02E-02	9.22E-07	0.00E+00	9.95E-07	9.95E-07	0.00E+00	9.15E-07	9.15E-07	9.31E-02	9.10E-05	7.13E-05
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	25	15	6.58E-04	1.32E-02	4.07E-03	3.69E-07	0.00E+00	3.98E-07	3.98E-07	0.00E+00	3.66E-07	3.66E-07	3.73E-02	3.64E-05	2.85E-05
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	25	15	2.19E-04	4.41E-03	1.36E-03	1.23E-07	0.00E+00	1.33E-07	1.33E-07	0.00E+00	1.22E-07	1.22E-07	1.24E-02	1.21E-05	9.50E-06
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	25	15	2.74E-03	5.51E-02	1.69E-02	1.54E-06	0.00E+00	1.66E-06	1.66E-06	0.00E+00	1.52E-06	1.52E-06	1.55E-01	1.52E-04	1.19E-04
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	25	15	6.58E-04	1.32E-02	4.07E-03	3.69E-07	0.00E+00	3.98E-07	3.98E-07	0.00E+00	3.66E-07	3.66E-07	3.73E-02	3.64E-05	2.85E-05
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	25	15	6.58E-04	1.32E-02	4.07E-03	3.69E-07	0.00E+00	3.98E-07	3.98E-07	0.00E+00	3.66E-07	3.66E-07	3.73E-02	3.64E-05	2.85E-05
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	25	15	1.18E-03	2.54E-02	7.23E-03	6.74E-07	0.00E+00	7.26E-07	7.26E-07	0.00E+00	6.68E-07	6.68E-07	6.81E-02	6.58E-05	5.31E-05
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	25	15	1.48E-03	3.21E-02	9.12E-03	8.49E-07	0.00E+00	9.16E-07	9.16E-07	0.00E+00	8.42E-07	8.42E-07	8.58E-02	8.30E-05	6.69E-05
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	25	15	1.48E-03	3.21E-02	9.12E-03	8.49E-07	0.00E+00	9.16E-07	9.16E-07	0.00E+00	8.42E-07	8.42E-07	8.58E-02	8.30E-05	6.69E-05
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	25	15	8.70E-04	1.88E-02	5.35E-03	4.98E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.03E-02	4.87E-05	3.92E-05
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	25	15	1.54E-03	3.32E-02	9.44E-03	8.79E-07	0.00E+00	9.47E-07	9.47E-07	0.00E+00	8.71E-07	8.71E-07	8.88E-02	8.59E-05	6.92E-05
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	25	15	6.14E-04	1.33E-02	3.77E-03	3.51E-07	0.00E+00	3.79E-07	3.79E-07	0.00E+00	3.48E-07	3.48E-07	3.55E-02	3.43E-05	2.77E-05
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	25	15	4.61E-04	9.96E-03	2.83E-03	2.64E-07	0.00E+00	2.84E-07	2.84E-07	0.00E+00	2.61E-07	2.61E-07	2.66E-02	2.58E-05	2.08E-05
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	25	15	2.05E-04	4.42E-03	1.26E-03	1.17E-07	0.00E+00	1.26E-07	1.26E-07	0.00E+00	1.16E-07	1.16E-07	1.18E-02	1.14E-05	9.23E-06
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	25	15	1.59E-03	3.43E-02	9.75E-03	9.08E-07	0.00E+00	9.79E-07	9.79E-07	0.00E+00	9.00E-07	9.00E-07	9.18E-02	8.87E-05	7.15E-05
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	25	15	5.63E-04	1.22E-02	3.46E-03	3.22E-07	0.00E+00	3.47E-07	3.47E-07	0.00E+00	3.19E-07	3.19E-07	3.26E-02	3.15E-05	2.54E-05
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	25	15	6.14E-04	1.33E-02	3.77E-03	3.51E-07	0.00E+00	3.79E-07	3.79E-07	0.00E+00	3.48E-07	3.48E-07	3.55E-02	3.43E-05	2.77E-05

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
							MT/year			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	9	25	15	262	7.03E-03	7.166E-06	5.062E-06	8.71E-03
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	2	25	15	262	0.0015613	1.592E-06	1.125E-06	1.94E-03
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	25	25	15	262	0.0195163	1.99E-05	1.406E-05	2.42E-02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	6	25	15	262	0.0046839	4.777E-06	3.375E-06	5.81E-03
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	2	25	15	262	0.0015613	1.592E-06	1.125E-06	1.94E-03
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	15	25	15	262	0.0117098	1.194E-05	8.437E-06	1.45E-02
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	6	25	15	262	0.0046839	4.777E-06	3.375E-06	5.81E-03
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	0	25	15	262	0	0	0	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	7	25	15	262	0.0054646	5.573E-06	3.937E-06	6.78E-03
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	6	25	15	262	0.0046839	4.777E-06	3.375E-06	5.81E-03
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	4	25	15	262	0.0031226	3.185E-06	2.25E-06	3.87E-03
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	9	25	15	261	0.0067875	6.824E-06	4.995E-06	8.45E-03
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	2	25	15	261	0.0015083	1.517E-06	1.11E-06	1.88E-03
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	25	25	15	261	0.0188541	1.896E-05	1.387E-05	2.35E-02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	2	25	15	261	0.0015083	1.517E-06	1.11E-06	1.88E-03
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	2	25	15	261	0.0015083	1.517E-06	1.11E-06	1.88E-03
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	6	25	15	261	0.004525	4.55E-06	3.33E-06	5.63E-03
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	7	25	15	261	0.0052792	5.308E-06	3.885E-06	6.57E-03
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	6	25	15	261	0.004525	4.55E-06	3.33E-06	5.63E-03
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	0	25	15	261	0	0	0	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	4	25	15	261	0.0030167	3.033E-06	2.22E-06	3.75E-03
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	6	25	15	261	0.004525	4.55E-06	3.33E-06	5.63E-03
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	12	25	15	260	0.008842	8.762E-06	6.64E-06	1.10E-02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	4.5	25	15	260	0.0033158	3.286E-06	2.49E-06	4.14E-03
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	14.5	25	15	260	0.0106841	1.059E-05	8.023E-06	1.33E-02
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	8.5	25	15	260	0.0062631	6.206E-06	4.703E-06	7.82E-03
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	15	25	15	260	0.0110525	1.095E-05	8.299E-06	1.38E-02
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	6	25	15	260	0.004421	4.381E-06	3.32E-06	5.52E-03
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	4.5	25	15	260	0.0033158	3.286E-06	2.49E-06	4.14E-03
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	15.5	25	15	260	0.0114209	1.132E-05	8.576E-06	1.43E-02
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	0	25	15	260	0	0	0	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	5	25	15	260	0.0036842	3.651E-06	2.766E-06	4.60E-03
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	6	25	15	260	0.004421	4.381E-06	3.32E-06	5.52E-03
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	15	25	15	260	0.0109848	1.074E-05	8.403E-06	1.38E-02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	7	25	15	260	0.0051262	5.01E-06	3.922E-06	6.42E-03
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	4	25	15	260	0.0029293	2.863E-06	2.241E-06	3.67E-03
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	15	25	15	260	0.0109848	1.074E-05	8.403E-06	1.38E-02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	15	25	15	260	0.0109848	1.074E-05	8.403E-06	1.38E-02
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	6	25	15	260	0.0043939	4.294E-06	3.361E-06	5.50E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	2	25	15	260	0.0014646	1.431E-06	1.12E-06	1.83E-03
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	0	25	15	260	0	0	0	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	25	25	15	260	0.018308	1.789E-05	1.401E-05	2.29E-02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	0	25	15	260	0	0	0	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	6	25	15	260	0.0043939	4.294E-06	3.361E-06	5.50E-03
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	6	25	15	260	0.0043939	4.294E-06	3.361E-06	5.50E-03
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	11.5	25	15	262	0.0080902	7.824E-06	6.305E-06	1.02E-02
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	14.5	25	15	262	0.0102007	9.865E-06	7.95E-06	1.28E-02
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	14.5	25	15	262	0.0102007	9.865E-06	7.95E-06	1.28E-02
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	8.5	25	15	262	0.0059797	5.783E-06	4.66E-06	7.51E-03
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	15	25	15	262	0.0105525	1.021E-05	8.224E-06	1.33E-02
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	6	25	15	262	0.004221	4.082E-06	3.29E-06	5.30E-03
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	4.5	25	15	262	0.0031657	3.062E-06	2.467E-06	3.98E-03
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	2	25	15	262	0.001407	1.361E-06	1.097E-06	1.77E-03
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	15.5	25	15	262	0.0109042	1.055E-05	8.498E-06	1.37E-02
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	0	25	15	262	0	0	0	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	5.5	25	15	262	0.0038692	3.742E-06	3.016E-06	4.86E-03
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	6	25	15	262	0.004221	4.082E-06	3.29E-06	5.30E-03

Haul Running Emission Factors

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission Factor (g/mile)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	25	3.80E-02	2.35E+00	2.25E-01	1.31E-02	3.96E-01	2.31E-02	4.19E-01	1.09E-01	2.21E-02	1.31E-01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	25	3.80E-02	2.35E+00	2.25E-01	1.31E-02	3.96E-01	2.31E-02	4.19E-01	1.09E-01	2.21E-02	1.31E-01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	25	3.80E-02	2.35E+00	2.25E-01	1.31E-02	3.96E-01	2.31E-02	4.19E-01	1.09E-01	2.21E-02	1.31E-01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	25	3.80E-02	2.35E+00	2.25E-01	1.31E-02	3.96E-01	2.31E-02	4.19E-01	1.09E-01	2.21E-02	1.31E-01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	25	3.80E-02	2.35E+00	2.25E-01	1.31E-02	3.96E-01	2.31E-02	4.19E-01	1.09E-01	2.21E-02	1.31E-01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	25	3.80E-02	2.35E+00	2.25E-01	1.31E-02	3.96E-01	2.31E-02	4.19E-01	1.09E-01	2.21E-02	1.31E-01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	25	3.80E-02	2.35E+00	2.25E-01	1.31E-02	3.96E-01	2.31E-02	4.19E-01	1.09E-01	2.21E-02	1.31E-01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	25	3.80E-02	2.35E+00	2.25E-01	1.31E-02	3.96E-01	2.31E-02	4.19E-01	1.09E-01	2.21E-02	1.31E-01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	25	3.80E-02	2.35E+00	2.25E-01	1.31E-02	3.96E-01	2.31E-02	4.19E-01	1.09E-01	2.21E-02	1.31E-01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	25	3.80E-02	2.35E+00	2.25E-01	1.31E-02	3.96E-01	2.31E-02	4.19E-01	1.09E-01	2.21E-02	1.31E-01	1.39E+03	1.77E-03	2.19E-01
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	25	3.80E-02	2.35E+00	2.25E-01	1.31E-02	3.96E-01	2.31E-02	4.19E-01	1.09E-01	2.21E-02	1.31E-01	1.39E+03	1.77E-03	2.19E-01
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	25	3.66E-02	2.36E+00	2.26E-01	1.30E-02	3.96E-01	2.32E-02	4.20E-01	1.09E-01	2.22E-02	1.31E-01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	25	3.66E-02	2.36E+00	2.26E-01	1.30E-02	3.96E-01	2.32E-02	4.20E-01	1.09E-01	2.22E-02	1.31E-01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	25	3.66E-02	2.36E+00	2.26E-01	1.30E-02	3.96E-01	2.32E-02	4.20E-01	1.09E-01	2.22E-02	1.31E-01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	25	3.66E-02	2.36E+00	2.26E-01	1.30E-02	3.96E-01	2.32E-02	4.20E-01	1.09E-01	2.22E-02	1.31E-01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	25	3.66E-02	2.36E+00	2.26E-01	1.30E-02	3.96E-01	2.32E-02	4.20E-01	1.09E-01	2.22E-02	1.31E-01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	25	3.66E-02	2.36E+00	2.26E-01	1.30E-02	3.96E-01	2.32E-02	4.20E-01	1.09E-01	2.22E-02	1.31E-01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	25	3.66E-02	2.36E+00	2.26E-01	1.30E-02	3.96E-01	2.32E-02	4.20E-01	1.09E-01	2.22E-02	1.31E-01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	25	3.66E-02	2.36E+00	2.26E-01	1.30E-02	3.96E-01	2.32E-02	4.20E-01	1.09E-01	2.22E-02	1.31E-01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	25	3.66E-02	2.36E+00	2.26E-01	1.30E-02	3.96E-01	2.32E-02	4.20E-01	1.09E-01	2.22E-02	1.31E-01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	25	3.66E-02	2.36E+00	2.26E-01	1.30E-02	3.96E-01	2.32E-02	4.20E-01	1.09E-01	2.22E-02	1.31E-01	1.37E+03	1.70E-03	2.16E-01
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	25	3.66E-02	2.36E+00	2.26E-01	1.30E-02	3.96E-01	2.32E-02	4.20E-01	1.09E-01	2.22E-02	1.31E-01	1.37E+03	1.70E-03	2.16E-01
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	25	3.47E-02	2.39E+00	2.24E-01	1.27E-02	3.96E-01	2.30E-02	4.19E-01	1.09E-01	2.20E-02	1.31E-01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	25	3.47E-02	2.39E+00	2.24E-01	1.27E-02	3.96E-01	2.30E-02	4.19E-01	1.09E-01	2.20E-02	1.31E-01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	25	3.47E-02	2.39E+00	2.24E-01	1.27E-02	3.96E-01	2.30E-02	4.19E-01	1.09E-01	2.20E-02	1.31E-01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	25	3.47E-02	2.39E+00	2.24E-01	1.27E-02	3.96E-01	2.30E-02	4.19E-01	1.09E-01	2.20E-02	1.31E-01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	25	3.47E-02	2.39E+00	2.24E-01	1.27E-02	3.96E-01	2.30E-02	4.19E-01	1.09E-01	2.20E-02	1.31E-01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	25	3.47E-02	2.39E+00	2.24E-01	1.27E-02	3.96E-01	2.30E-02	4.19E-01	1.09E-01	2.20E-02	1.31E-01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	25	3.47E-02	2.39E+00	2.24E-01	1.27E-02	3.96E-01	2.30E-02	4.19E-01	1.09E-01	2.20E-02	1.31E-01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	25	3.47E-02	2.39E+00	2.24E-01	1.27E-02	3.96E-01	2.30E-02	4.19E-01	1.09E-01	2.20E-02	1.31E-01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	25	3.47E-02	2.39E+00	2.24E-01	1.27E-02	3.96E-01	2.30E-02	4.19E-01	1.09E-01	2.20E-02	1.31E-01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	25	3.47E-02	2.39E+00	2.24E-01	1.27E-02	3.96E-01	2.30E-02	4.19E-01	1.09E-01	2.20E-02	1.31E-01	1.35E+03	1.61E-03	2.12E-01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	25	3.47E-02	2.39E+00	2.24E-01	1.27E-02	3.96E-01	2.30E-02	4.19E-01	1.09E-01	2.20E-02	1.31E-01	1.35E+03	1.61E-03	2.12E-01
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	25	1.82E-02	2.47E+00	1.93E-01	1.23E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	25	1.82E-02	2.47E+00	1.93E-01	1.23E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	25	1.82E-02	2.47E+00	1.93E-01	1.23E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	25	1.82E-02	2.47E+00	1.93E-01	1.23E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	25	1.82E-02	2.47E+00	1.93E-01	1.23E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	25	1.82E-02	2.47E+00	1.93E-01	1.23E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	25	1.82E-02	2.47E+00	1.93E-01	1.23E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	25	1.82E-02	2.47E+00	1.93E-01	1.23E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	25	1.82E-02	2.47E+00	1.93E-01	1.23E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	25	1.82E-02	2.47E+00	1.93E-01	1.23E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	25	1.82E-02	2.47E+00	1.93E-01	1.23E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.30E+03	8.46E-04	2.05E-01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	25	1.82E-02	2.47E+00	1.93E-01	1.23E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.30E+03	8.46E-04	2.05E-01
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	25	1.85E-02	2.47E+00	1.97E-01	1.22E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	25	1.85E-02	2.47E+00	1.97E-01	1.22E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	25	1.85E-02	2.47E+00	1.97E-01	1.22E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	25	1.85E-02	2.47E+00	1.97E-01	1.22E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	25	1.85E-02	2.47E+00	1.97E-01	1.22E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	25	1.85E-02	2.47E+00	1.97E-01	1.22E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	25	1.85E-02	2.47E+00	1.97E-01	1.22E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	25	1.85E-02	2.47E+00	1.97E-01	1.22E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	25	1.85E-02	2.47E+00	1.97E-01	1.22E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	25	1.85E-02	2.47E+00	1.97E-01	1.22E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	25	1.85E-02	2.47E+00	1.97E-01	1.22E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.29E+03	8.57E-04	2.02E-01
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	25	1.85E-02	2.47E+00	1.97E-01	1.22E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.29E+03	8.57E-04	2.02E-01

							Daily Emissions												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	25	1.36E-02	8.42E-01	8.07E-02	4.71E-03	1.42E-01	8.27E-03	1.50E-01	3.90E-02	7.91E-03	4.69E-02	4.99E+02	6.33E-04	7.84E-02
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	25	2.08E-04	1.28E-02	1.23E-03	7.19E-05	2.17E-03	1.26E-04	2.29E-03	5.94E-04	1.21E-04	7.15E-04	7.61E+00	9.66E-06	1.20E-03
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	25	5.01E-02	3.09E+00	2.96E-01	1.73E-02	5.22E-01	3.04E-02	5.52E-01	1.43E-01	2.90E-02	1.72E-01	1.83E+03	2.33E-03	2.88E-01
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	25	6.01E-02	3.71E+00	3.55E-01	2.08E-02	6.26E-01	3.64E-02	6.63E-01	1.72E-01	3.49E-02	2.07E-01	2.20E+03	2.79E-03	3.45E-01
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	25	1.75E-02	1.08E+00	1.04E-01	6.06E-03	1.83E-01	1.06E-02	1.93E-01	5.01E-02	1.02E-02	6.02E-02	6.41E+02	8.14E-04	1.01E-01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	25	4.00E-02	2.47E+00	2.37E-01	1.38E-02	4.18E-01	2.43E-02	4.42E-01	1.14E-01	2.32E-02	1.38E-01	1.47E+03	1.86E-03	2.30E-01
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	25	4.22E-03	2.61E-01	2.50E-02	1.46E-03	4.40E-02	2.56E-03	4.66E-02	1.21E-02	2.45E-03	1.45E-02	1.54E+02	1.96E-04	2.43E-02
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	25	4.99E-03	3.08E-01	2.95E-02	1.72E-03	5.20E-02	3.03E-03	5.51E-02	1.43E-02	2.90E-03	1.72E-02	1.83E+02	2.32E-04	2.87E-02
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	25	1.32E-02	8.50E-01	8.13E-02	4.66E-03	1.43E-01	8.35E-03	1.51E-01	3.91E-02	7.99E-03	4.71E-02	4.94E+02	6.13E-04	7.76E-02
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	25	4.02E-04	2.59E-02	2.48E-03	1.42E-04	4.35E-03	2.55E-04	4.61E-03	1.19E-03	2.44E-04	1.44E-03	1.51E+01	1.87E-05	2.37E-03
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	25	4.84E-02	3.12E+00	2.99E-01	1.71E-02	5.24E-01	3.06E-02	5.55E-01	1.44E-01	2.93E-02	1.73E-01	1.81E+03	2.25E-03	2.85E-01
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	25	5.81E-02	3.75E+00	3.58E-01	2.06E-02	6.29E-01	3.68E-02	6.66E-01	1.72E-01	3.52E-02	2.07E-01	2.18E+03	2.70E-03	3.42E-01
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	25	5.81E-02	3.75E+00	3.58E-01	2.06E-02	6.29E-01	3.68E-02	6.66E-01	1.72E-01	3.52E-02	2.07E-01	2.18E+03	2.70E-03	3.42E-01
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	25	3.88E-02	2.50E+00	2.39E-01	1.37E-02	4.19E-01	2.45E-02	4.44E-01	1.15E-01	2.35E-02	1.38E-01	1.45E+03	1.80E-03	2.28E-01
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	25	4.83E-03	3.11E-01	2.98E-02	1.71E-03	5.22E-02	3.05E-03	5.53E-02	1.43E-02	2.92E-03	1.72E-02	1.81E+02	2.24E-04	2.84E-02
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	25	4.09E-03	2.63E-01	2.52E-02	1.44E-03	4.42E-02	2.58E-03	4.68E-02	1.21E-02	2.47E-03	1.46E-02	1.53E+02	1.90E-04	2.40E-02
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	25	2.16E-02	1.49E+00	1.40E-01	7.94E-03	2.47E-01	1.44E-02	2.62E-01	6.78E-02	1.37E-02	8.15E-02	8.41E+02	1.00E-03	1.32E-01
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	25	1.91E-04	1.32E-02	1.23E-03	7.01E-05	2.18E-03	1.27E-04	2.31E-03	5.98E-04	1.21E-04	7.20E-04	7.42E+00	8.87E-06	1.17E-03
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	25	2.53E-02	1.74E+00	1.63E-01	9.28E-03	2.89E-01	1.68E-02	3.06E-01	7.92E-02	1.61E-02	9.53E-02	9.83E+02	1.17E-03	1.54E-01
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	25	4.30E-02	2.96E+00	2.77E-01	1.58E-02	4.91E-01	2.85E-02	5.20E-01	1.35E-01	2.73E-02	1.62E-01	1.67E+03	2.00E-03	2.62E-01
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	25	1.61E-02	1.11E+00	1.04E-01	5.91E-03	1.84E-01	1.07E-02	1.95E-01	5.04E-02	1.02E-02	6.07E-02	6.25E+02	7.48E-04	9.83E-02
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	25	1.88E-02	1.29E+00	1.21E-01	6.89E-03	2.15E-01	1.25E-02	2.27E-01	5.88E-02	1.19E-02	7.08E-02	7.30E+02	8.72E-04	1.15E-01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	25	2.76E-02	1.90E+00	1.78E-01	1.01E-02	3.15E-01	1.83E-02	3.34E-01	8.64E-02	1.75E-02	1.04E-01	1.07E+03	1.28E-03	1.69E-01
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	25	2.30E-02	1.58E+00	1.48E-01	8.44E-03	2.63E-01	1.53E-02	2.78E-01	7.20E-02	1.46E-02	8.66E-02	8.94E+02	1.07E-03	1.40E-01
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	25	2.07E-02	1.42E+00	1.33E-01	7.59E-03	2.37E-01	1.37E-02	2.50E-01	6.48E-02	1.31E-02	7.80E-02	8.04E+02	9.61E-04	1.26E-01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	25	1.94E-03	1.34E-01	1.25E-02	7.12E-04	2.22E-02	1.29E-03	2.35E-02	6.08E-03	1.23E-03	7.31E-03	7.54E+01	9.01E-05	1.18E-02
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	25	1.62E-02	2.19E+00	1.71E-01	1.09E-02	3.51E-01	1.79E-02	3.69E-01	9.63E-02	1.71E-02	1.13E-01	1.16E+03	7.50E-04	1.82E-01
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	25	2.41E-03	3.26E-01	2.55E-02	1.63E-03	5.24E-02	2.67E-03	5.51E-02	1.44E-02	2.55E-03	1.69E-02	1.72E+02	1.12E-04	2.71E-02
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	25	1.62E-02	2.19E+00	1.71E-01	1.09E-02	3.51E-01	1.79E-02	3.69E-01	9.63E-02	1.71E-02	1.13E-01	1.16E+03	7.50E-04	1.82E-01
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	25	8.46E-03	1.15E+00	8.95E-02	5.72E-03	1.84E-01	9.36E-03	1.93E-01	5.04E-02	8.96E-03	5.94E-02	6.05E+02	3.93E-04	9.52E-02
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	25	4.02E-04	5.44E-02	4.25E-03	2.72E-04	8.73E-03	4.44E-04	9.18E-03	2.39E-03	4.25E-04	2.82E-03	2.87E+01	1.86E-05	4.52E-03
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	25	2.90E-02	3.93E+00	3.07E-01	1.96E-02	6.31E-01	3.21E-02	6.63E-01	1.73E-01	3.07E-02	2.04E-01	2.08E+03	1.35E-03	3.26E-01
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	25	2.42E-02	3.27E+00	2.56E-01	1.63E-02	5.26E-01	2.67E-02	5.52E-01	1.44E-01	2.56E-02	1.70E-01	1.73E+03	1.12E-03	2.72E-01
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	25	1.93E-02	2.62E+00	2.05E-01	1.31E-02	4.21E-01	2.14E-02	4.42E-01	1.15E-01	2.05E-02	1.36E-01	1.38E+03	8.98E-04	2.18E-01
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	25	1.02E-02	1.37E+00	1.09E-01	6.74E-03	2.20E-01	1.12E-02	2.31E-01	6.02E-02	1.07E-02	7.09E-02	7.13E+02	4.75E-04	1.12E-01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	25	1.34E-02	1.79E+00	1.43E-01	8.80E-03	2.87E-01	1.47E-02	3.02E-01	7.86E-02	1.40E-02	9.26E-02	9.32E+02	6.21E-04	1.46E-01
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	25	1.34E-02	1.79E+00	1.43E-01	8.80E-03	2.87E-01	1.47E-02	3.02E-01	7.86E-02	1.40E-02	9.26E-02	9.32E+02	6.21E-04	1.46E-01
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	25	2.27E-02	3.03E+00	2.43E-01	1.50E-02	4.87E-01	2.49E-02	5.12E-01	1.34E-01	2.38E-02	1.57E-01	1.58E+03	1.05E-03	2.49E-01
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	25	8.50E-03	1.14E+00	9.10E-02	5.60E-03	1.83E-01	9.33E-03	1.92E-01	5.00E-02	8.93E-03	5.90E-02	5.93E+02	3.95E-04	9.32E-02
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	25	9.92E-03	1.33E+00	1.06E-01	6.54E-03	2.13E-01	1.09E-02	2.24E-01	5.84E-02	1.04E-02	6.88E-02	6.92E+02	4.61E-04	1.09E-01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	25	1.46E-02	1.95E+00	1.56E-01	9.61E-03	3.13E-01	1.60E-02	3.29E-01	8.58E-02	1.53E-02	1.01E-01	1.02E+03	6.77E-04	1.60E-01
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	25	5.47E-03	7.30E-01	5.85E-02	3.60E-03	1.17E-01	6.00E-03	1.23E-01	3.22E-02	5.74E-03	3.79E-02	3.81E+02	2.54E-04	5.99E-02
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	25	1.21E-02	1.62E+00	1.30E-01	8.01E-03	2.61E-01	1.33E-02	2.74E-01	7.15E-02	1.28E-02	8.42E-02	8.47E+02	5.64E-04	1.33E-01
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	25	1.21E-03	1.62E-01	1.30E-02	7.98E-04	2.60E-02	1.33E-03	2.73E-02	7.12E-03	1.27E-03	8.40E-03	8.45E+01	5.62E-05	1.33E-02
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	25	1.02E-03	1.37E-01	1.10E-02	6.75E-04	2.20E-02	1.12E-03	2.31E-02	6.03E-03	1.08E-03	7.10E-03	7.15E+01	4.76E-05	1.12E-02

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
								MT/yr			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	25	262	5.93E+01	7.53E-05	9.32E-03	6.21E+01
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	25	262	9.04E-01	1.15E-06	1.42E-04	9.46E-01
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	25	262	2.18E+02	2.76E-04	3.42E-02	2.28E+02
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	25	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	25	262	2.61E+02	3.32E-04	4.11E-02	2.73E+02
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	25	262	7.62E+01	9.67E-05	1.20E-02	7.98E+01
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	25	262	1.74E+02	2.21E-04	2.74E-02	1.82E+02
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	25	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	25	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	25	262	1.84E+01	2.33E-05	2.89E-03	1.92E+01
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	25	262	2.17E+01	2.75E-05	3.41E-03	2.27E+01
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	25	261	5.85E+01	7.26E-05	9.19E-03	6.12E+01
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	25	261	1.78E+00	2.21E-06	2.80E-04	1.87E+00
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	25	261	2.15E+02	2.66E-04	3.37E-02	2.25E+02
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	25	261	2.58E+02	3.20E-04	4.05E-02	2.70E+02
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	25	261	2.58E+02	3.20E-04	4.05E-02	2.70E+02
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	25	261	1.72E+02	2.13E-04	2.70E-02	1.80E+02
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	25	261	2.14E+01	2.66E-05	3.36E-03	2.24E+01
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	25	261	1.81E+01	2.25E-05	2.85E-03	1.90E+01
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	25	260	9.92E+01	1.19E-04	1.56E-02	1.04E+02
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	25	260	8.75E-01	1.05E-06	1.38E-04	9.16E-01
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	25	260	1.16E+02	1.39E-04	1.82E-02	1.21E+02
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	25	260	1.97E+02	2.35E-04	3.10E-02	2.06E+02
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	25	260	7.38E+01	8.82E-05	1.16E-02	7.72E+01
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	25	260	8.61E+01	1.03E-04	1.35E-02	9.01E+01
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	25	260	1.26E+02	1.51E-04	1.99E-02	1.32E+02
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	25	260	1.05E+02	1.26E-04	1.66E-02	1.10E+02
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	25	260	9.48E+01	1.13E-04	1.49E-02	9.93E+01
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	25	260	8.89E+00	1.06E-05	1.40E-03	9.30E+00
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	25	260	1.36E+02	8.85E-05	2.14E-02	1.43E+02
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	25	260	2.03E+01	1.32E-05	3.20E-03	2.13E+01
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	25	260	1.36E+02	8.85E-05	2.14E-02	1.43E+02
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	25	260	7.14E+01	4.63E-05	1.12E-02	7.48E+01
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	25	260	3.39E+00	2.20E-06	5.33E-04	3.55E+00
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	25	260	2.45E+02	1.59E-04	3.85E-02	2.56E+02
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	25	260	2.04E+02	1.32E-04	3.21E-02	2.14E+02
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	25	260	1.63E+02	1.06E-04	2.57E-02	1.71E+02
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	25	262	8.48E+01	5.65E-05	1.33E-02	8.88E+01
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	25	262	1.11E+02	7.37E-05	1.74E-02	1.16E+02
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	25	262	1.11E+02	7.37E-05	1.74E-02	1.16E+02
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	25	262	1.88E+02	1.25E-04	2.96E-02	1.97E+02
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	25	262	7.05E+01	4.69E-05	1.11E-02	7.38E+01
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	25	262	8.22E+01	5.48E-05	1.29E-02	8.61E+01
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	25	262	1.21E+02	8.05E-05	1.90E-02	1.27E+02
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	25	262	4.53E+01	3.02E-05	7.12E-03	4.74E+01
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	25	262	1.01E+02	6.71E-05	1.58E-02	1.05E+02
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	25	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	25	262	1.00E+01	6.68E-06	1.58E-03	1.05E+01
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	25	262	8.49E+00	5.66E-06	1.34E-03	8.89E+00

							Haul Running Emission Factors												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission Factor (g/trip)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	25	1.93E-03	1.80E+00	8.51E-03	8.06E-07	0.00E+00	1.95E-06	1.95E-06	0.00E+00	1.80E-06	1.80E-06	8.14E-02	4.26E-07	3.70E-05
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	25	1.52E-03	1.92E+00	7.99E-03	7.04E-07	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	7.11E-02	4.24E-07	2.98E-05
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	25	1.25E-03	2.11E+00	7.18E-03	6.42E-07	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.07E-06	1.07E-06	6.49E-02	4.23E-07	2.13E-05
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	25	1.02E-03	2.39E+00	7.15E-03	6.07E-07	0.00E+00	9.91E-07	9.91E-07	0.00E+00	9.11E-07	9.11E-07	6.13E-02	4.23E-07	1.80E-05
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	25	8.65E-04	2.39E+00	6.59E-03	5.68E-07	0.00E+00	8.75E-07	8.75E-07	0.00E+00	8.05E-07	8.05E-07	5.74E-02	3.81E-07	1.44E-05

							Daily Emissions												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	25	1.39E-05	1.29E-02	6.10E-05	5.78E-09	0.00E+00	1.40E-08	1.40E-08	0.00E+00	1.29E-08	1.29E-08	5.84E-04	3.05E-09	2.65E-07
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	25	2.12E-07	1.96E-04	9.30E-07	8.82E-11	0.00E+00	2.13E-10	2.13E-10	0.00E+00	1.97E-10	1.97E-10	8.91E-06	4.66E-11	4.05E-09
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	25	5.09E-05	4.73E-02	2.24E-04	2.12E-08	0.00E+00	5.12E-08	5.12E-08	0.00E+00	4.74E-08	4.74E-08	2.14E-03	1.12E-08	9.74E-07
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	25	6.11E-05	5.68E-02	2.69E-04	2.55E-08	0.00E+00	6.15E-08	6.15E-08	0.00E+00	5.69E-08	5.69E-08	2.57E-03	1.34E-08	1.17E-06
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	25	1.78E-05	1.66E-02	7.84E-05	7.43E-09	0.00E+00	1.79E-08	1.79E-08	0.00E+00	1.66E-08	1.66E-08	7.51E-04	3.92E-09	3.41E-07
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	25	4.07E-05	3.78E-02	1.79E-04	1.70E-08	0.00E+00	4.10E-08	4.10E-08	0.00E+00	3.79E-08	3.79E-08	1.72E-03	8.97E-09	7.79E-07
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	25	4.30E-06	3.99E-03	1.89E-05	1.79E-09	0.00E+00	4.32E-09	4.32E-09	0.00E+00	4.00E-09	4.00E-09	1.81E-04	9.45E-10	8.22E-08
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	25	5.08E-06	4.71E-03	2.23E-05	2.12E-09	0.00E+00	5.11E-09	5.11E-09	0.00E+00	4.72E-09	4.72E-09	2.14E-04	1.12E-09	9.71E-08
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	25	1.10E-05	1.38E-02	5.75E-05	5.07E-09	0.00E+00	9.96E-09	9.96E-09	0.00E+00	9.16E-09	9.16E-09	5.12E-04	3.05E-09	2.15E-07
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	25	3.34E-07	4.22E-04	1.75E-06	1.55E-10	0.00E+00	3.04E-10	3.04E-10	0.00E+00	2.79E-10	2.79E-10	1.56E-05	9.31E-11	6.54E-09
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	25	4.02E-05	5.08E-02	2.11E-04	1.86E-08	0.00E+00	3.66E-08	3.66E-08	0.00E+00	3.36E-08	3.36E-08	1.88E-03	1.12E-08	7.88E-07
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	25	4.83E-05	6.10E-02	2.53E-04	2.23E-08	0.00E+00	4.39E-08	4.39E-08	0.00E+00	4.04E-08	4.04E-08	2.26E-03	1.35E-08	9.45E-07
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	25	4.83E-05	6.10E-02	2.53E-04	2.23E-08	0.00E+00	4.39E-08	4.39E-08	0.00E+00	4.04E-08	4.04E-08	2.26E-03	1.35E-08	9.45E-07
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	25	3.22E-05	4.06E-02	1.69E-04	1.49E-08	0.00E+00	2.93E-08	2.93E-08	0.00E+00	2.69E-08	2.69E-08	1.50E-03	8.97E-09	6.30E-07
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	25	4.01E-06	5.06E-03	2.11E-05	1.86E-09	0.00E+00	3.65E-09	3.65E-09	0.00E+00	3.35E-09	3.35E-09	1.87E-04	1.12E-09	7.85E-08
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	25	3.39E-06	4.29E-03	1.78E-05	1.57E-09	0.00E+00	3.08E-09	3.08E-09	0.00E+00	2.84E-09	2.84E-09	1.59E-04	9.46E-10	6.64E-08
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	25	1.57E-05	2.64E-02	8.96E-05	8.02E-09	0.00E+00	1.45E-08	1.45E-08	0.00E+00	1.33E-08	1.33E-08	8.10E-04	5.28E-09	2.66E-07
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	25	1.38E-07	2.33E-04	7.91E-07	7.08E-11	0.00E+00	1.28E-10	1.28E-10	0.00E+00	1.18E-10	1.18E-10	7.15E-06	4.67E-11	2.34E-09
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	25	1.83E-05	3.08E-02	1.05E-04	9.37E-09	0.00E+00	1.69E-08	1.69E-08	0.00E+00	1.56E-08	1.56E-08	9.47E-04	6.18E-09	3.10E-07
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	25	3.11E-05	5.24E-02	1.78E-04	1.59E-08	0.00E+00	2.88E-08	2.88E-08	0.00E+00	2.65E-08	2.65E-08	1.61E-03	1.05E-08	5.27E-07
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	25	1.17E-05	1.96E-02	6.67E-05	5.96E-09	0.00E+00	1.08E-08	1.08E-08	0.00E+00	9.91E-09	9.91E-09	6.03E-04	3.93E-09	1.98E-07
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	25	1.36E-05	2.29E-02	7.78E-05	6.96E-09	0.00E+00	1.26E-08	1.26E-08	0.00E+00	1.16E-08	1.16E-08	7.03E-04	4.59E-09	2.31E-07
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	25	2.00E-05	3.36E-02	1.14E-04	1.02E-08	0.00E+00	1.85E-08	1.85E-08	0.00E+00	1.70E-08	1.70E-08	1.03E-03	6.74E-09	3.39E-07
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	25	1.67E-05	2.80E-02	9.52E-05	8.52E-09	0.00E+00	1.54E-08	1.54E-08	0.00E+00	1.42E-08	1.42E-08	8.61E-04	5.62E-09	2.82E-07
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	25	1.50E-05	2.52E-02	8.57E-05	7.66E-09	0.00E+00	1.39E-08	1.39E-08	0.00E+00	1.27E-08	1.27E-08	7.75E-04	5.05E-09	2.54E-07
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	25	1.40E-06	2.36E-03	8.03E-06	7.19E-10	0.00E+00	1.30E-09	1.30E-09	0.00E+00	1.19E-09	1.19E-09	7.26E-05	4.74E-10	2.38E-08
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	25	1.81E-05	4.23E-02	1.27E-04	1.08E-08	0.00E+00	1.76E-08	1.76E-08	0.00E+00	1.62E-08	1.62E-08	1.09E-03	7.50E-09	3.19E-07
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	25	2.70E-06	6.31E-03	1.89E-05	1.61E-09	0.00E+00	2.62E-09	2.62E-09	0.00E+00	2.41E-09	2.41E-09	1.62E-04	1.12E-09	4.76E-08
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	25	1.81E-05	4.23E-02	1.27E-04	1.08E-08	0.00E+00	1.76E-08	1.76E-08	0.00E+00	1.62E-08	1.62E-08	1.09E-03	7.50E-09	3.19E-07
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	25	9.49E-06	2.22E-02	6.65E-05	5.64E-09	0.00E+00	9.20E-09	9.20E-09	0.00E+00	8.46E-09	8.46E-09	5.70E-04	3.93E-09	1.67E-07
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	25	4.51E-07	1.05E-03	3.15E-06	2.68E-10	0.00E+00	4.37E-10	4.37E-10	0.00E+00	4.02E-10	4.02E-10	2.70E-05	1.86E-10	7.94E-09
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	25	3.26E-05	7.60E-02	2.28E-04	1.93E-08	0.00E+00	3.16E-08	3.16E-08	0.00E+00	2.90E-08	2.90E-08	1.95E-03	1.35E-08	5.73E-07
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	25	2.71E-05	6.33E-02	1.90E-04	1.61E-08	0.00E+00	2.63E-08	2.63E-08	0.00E+00	2.42E-08	2.42E-08	1.63E-03	1.12E-08	4.78E-07
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	25	2.17E-05	5.07E-02	1.52E-04	1.29E-08	0.00E+00	2.10E-08	2.10E-08	0.00E+00	1.93E-08	1.93E-08	1.30E-03	8.97E-09	3.82E-07
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	25	9.59E-06	2.64E-02	7.31E-05	6.30E-09	0.00E+00	9.70E-09	9.70E-09	0.00E+00	8.92E-09	8.92E-09	6.36E-04	4.22E-09	1.59E-07
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	25	1.25E-05	3.45E-02	9.55E-05	8.23E-09	0.00E+00	1.27E-08	1.27E-08	0.00E+00	1.17E-08	1.17E-08	8.31E-04	5.51E-09	2.08E-07
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	25	1.25E-05	3.45E-02	9.55E-05	8.23E-09	0.00E+00	1.27E-08	1.27E-08	0.00E+00	1.17E-08	1.17E-08	8.31E-04	5.51E-09	2.08E-07
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	25	2.13E-05	5.87E-02	1.62E-04	1.40E-08	0.00E+00	2.15E-08	2.15E-08	0.00E+00	1.98E-08	1.98E-08	1.41E-03	9.37E-09	3.54E-07
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	25	7.98E-06	2.20E-02	6.08E-05	5.24E-09	0.00E+00	8.07E-09	8.07E-09	0.00E+00	7.42E-09	7.42E-09	5.29E-04	3.51E-09	1.32E-07
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	25	9.31E-06	2.57E-02	7.09E-05	6.11E-09	0.00E+00	9.41E-09	9.41E-09	0.00E+00	8.65E-09	8.65E-09	6.17E-04	4.10E-09	1.55E-07
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	25	1.37E-05	3.77E-02	1.04E-04	8.98E-09	0.00E+00	1.38E-08	1.38E-08	0.00E+00	1.27E-08	1.27E-08	9.07E-04	6.02E-09	2.27E-07
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	25	5.13E-06	1.41E-02	3.91E-05	3.37E-09	0.00E+00	5.19E-09	5.19E-09	0.00E+00	4.77E-09	4.77E-09	3.40E-04	2.26E-09	8.52E-08
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	25	1.14E-05	3.14E-02	8.68E-05	7.48E-09	0.00E+00	1.15E-08	1.15E-08	0.00E+00	1.06E-08	1.06E-08	7.56E-04	5.02E-09	1.89E-07
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	25	1.14E-06	3.13E-03	8.65E-06	7.46E-10	0.00E+00	1.15E-09	1.15E-09	0.00E+00	1.06E-09	1.06E-09	7.53E-05	5.00E-10	1.89E-08
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	25	9.61E-07	2.65E-03	7.32E-06	6.31E-10	0.00E+00	9.72E-10	9.72E-10	0.00E+00	8.94E-10	8.94E-10	6.38E-05	4.23E-10	1.60E-08

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
								MT/yr			
Plots 2 and 4 (2020) Mass Excavation	3.2 Plots 2 and 4 (2020) Mass Excavation - 2020	2020	262	1705	7	25	262	6.94E-05	3.63E-10	3.15E-08	7.88E-05
Plots 2 and 4 (2020) Finish Grading	3.3 Plots 2 and 4 (2020) Finish Grading - 2020	2020	262	26	0	25	262	1.06E-06	5.53E-12	4.81E-10	1.20E-06
Plots 2 and 4 (2020) Utilities	3.4 Plots 2 and 4 (2020) Utilities - 2020	2020	262	6260	24	25	262	2.55E-04	1.33E-09	1.16E-07	2.89E-04
Plots 2 and 4 (2020) Landscaping	3.5 Plots 2 and 4 (2020) Landscaping - 2020	2020	262	0	0	25	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building Concrete	3.6 Plots 2 and 4 (2020) Building Concrete - 2020	2020	262	7512	29	25	262	3.06E-04	1.60E-09	1.39E-07	3.47E-04
Plots 2 and 4 (2020) Building-Wet Utilities	3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020	2020	262	2191	8	25	262	8.92E-05	4.66E-10	4.05E-08	1.01E-04
Plots 2 and 4 (2020) Building-Electrical	3.8 Plots 2 and 4 (2020) Building-Electrical - 2020	2020	262	5008	19	25	262	2.04E-04	1.07E-09	9.26E-08	2.32E-04
Plots 2 and 4 (2020) Temporary Utilities	3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020	2020	262	0	0	25	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Building-Landscaping	3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020	2020	262	0	0	25	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 2 and 4 (2020) Paving	3.11 Plots 2 and 4 (2020) Paving - 2020	2020	262	528	2	25	262	2.15E-05	1.12E-10	9.76E-09	2.44E-05
Plots 2 and 4 (2020) Curbing/Drive Approaches	3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020	2020	262	624	2	25	262	2.54E-05	1.33E-10	1.15E-08	2.89E-05
Plot 4 (2021) Mass Excavation	3.13 Plot 4 (2021) Mass Excavation - 2021	2021	261	1705	7	25	261	6.07E-05	3.61E-10	2.54E-08	6.82E-05
Plot 4 (2021) Finish Grading	3.14 Plot 4 (2021) Finish Grading - 2021	2021	261	52	0	25	261	1.85E-06	1.10E-11	7.75E-10	2.08E-06
Plot 4 (2021) Utilities	3.15 Plot 4 (2021) Utilities - 2021	2021	261	6260	24	25	261	2.23E-04	1.33E-09	9.32E-08	2.51E-04
Plot 4 (2021) Building-Concrete	3.16 Plot 4 (2021) Building-Concrete - 2021	2021	261	7512	29	25	261	2.67E-04	1.59E-09	1.12E-07	3.01E-04
Plot 4 (2021) Building-Wet Utilities	3.17 Plot 4 (2021) Building-Wet Utilities - 2021	2021	261	7512	29	25	261	2.67E-04	1.59E-09	1.12E-07	3.01E-04
Plot 4 (2021) Building-Electrical	3.18 Plot 4 (2021) Building-Electrical - 2021	2021	261	5008	19	25	261	1.78E-04	1.06E-09	7.46E-08	2.00E-04
Plot 4 (2021) Building-Landscaping	3.19 Plot 4 (2021) Building-Landscaping - 2021	2021	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Landscaping	3.20 Plot 4 (2021) Landscaping - 2021	2021	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Temporary Utilities	3.21 Plot 4 (2021) Temporary Utilities - 2021	2021	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 4 (2021) Curbing/Drive Approaches	3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021	2021	261	624	2	25	261	2.22E-05	1.32E-10	9.30E-09	2.50E-05
Plot 4 (2021) Paving	3.23 Plot 4 (2021) Paving - 2021	2021	261	528	2	25	261	1.88E-05	1.12E-10	7.87E-09	2.11E-05
Plots 4 and 9 (2022) Mass Excavation	3.24 Plots 4 and 9 (2022) Mass Excavation - 2022	2022	260	2945	11	25	260	9.55E-05	6.23E-10	3.13E-08	1.05E-04
Plots 4 and 9 (2022) Finish Grading	3.25 Plots 4 and 9 (2022) Finish Grading - 2022	2022	260	26	0	25	260	8.43E-07	5.50E-12	2.77E-10	9.26E-07
Plots 4 and 9 (2022) Utilities	3.26 Plots 4 and 9 (2022) Utilities - 2022	2022	260	3442	13	25	260	1.12E-04	7.28E-10	3.66E-08	1.23E-04
Plots 4 and 9 (2022) Building-Concrete	3.27 Plots 4 and 9 (2022) Building-Concrete - 2022	2022	260	5848.5	22	25	260	1.90E-04	1.24E-09	6.22E-08	2.08E-04
Plots 4 and 9 (2022) Building-Wet Utilities	3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022	2022	260	2191	8	25	260	7.11E-05	4.64E-10	2.33E-08	7.80E-05
Plots 4 and 9 (2022) Building-Electrical	3.29 Plots 4 and 9 (2022) Building-Electrical - 2022	2022	260	2556	10	25	260	8.29E-05	5.41E-10	2.72E-08	9.10E-05
Plots 4 and 9 (2022) Building-Landscaping	3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022	2022	260	3756	14	25	260	1.22E-04	7.95E-10	3.99E-08	1.34E-04
Plots 4 and 9 (2022) Landscaping	3.31 Plots 4 and 9 (2022) Landscaping - 2022	2022	260	3130	12	25	260	1.02E-04	6.62E-10	3.33E-08	1.11E-04
Plots 4 and 9 (2022) Temporary Utilities	3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022	2022	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 4 and 9 (2022) Curbing/Drive Approaches	3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022	2022	260	2816	11	25	260	9.13E-05	5.96E-10	2.99E-08	1.00E-04
Plots 4 and 9 (2022) Paving	3.34 Plots 4 and 9 (2022) Paving - 2022	2022	260	264	1	25	260	8.56E-06	5.59E-11	2.81E-09	9.40E-06
Plot 9 (2023) Mass Excavation	3.35 Plot 9 (2023) Mass Excavation - 2023	2023	260	4185	16	25	260	1.28E-04	8.85E-10	3.77E-08	1.40E-04
Plot 9 (2023) Finish Grading	3.36 Plot 9 (2023) Finish Grading - 2023	2023	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Utilities	3.37 Plot 9 (2023) Utilities - 2023	2023	260	624	2	25	260	1.91E-05	1.32E-10	5.62E-09	2.08E-05
Plot 9 (2023) Building-Concrete	3.38 Plot 9 (2023) Building-Concrete - 2023	2023	260	4185	16	25	260	1.28E-04	8.85E-10	3.77E-08	1.40E-04
Plot 9 (2023) Building-Wet Utilities	3.39 Plot 9 (2023) Building-Wet Utilities - 2023	2023	260	2191	8	25	260	6.72E-05	4.63E-10	1.97E-08	7.31E-05
Plot 9 (2023) Building-Electrical	3.40 Plot 9 (2023) Building-Electrical - 2023	2023	260	104	0	25	260	3.19E-06	2.20E-11	9.36E-10	3.47E-06
Plot 9 (2023) Building-Landscaping	3.41 Plot 9 (2023) Building-Landscaping - 2023	2023	260	7512	29	25	260	2.30E-04	1.59E-09	6.76E-08	2.51E-04
Plot 9 (2023) Interchange	3.42 Plot 9 (2023) Interchange - 2023	2023	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Landscaping	3.43 Plot 9 (2023) Landscaping - 2023	2023	260	6260	24	25	260	1.92E-04	1.32E-09	5.63E-08	2.09E-04
Plot 9 (2023) Temporary Utilities	3.44 Plot 9 (2023) Temporary Utilities - 2023	2023	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 9 (2023) Curbing/Drive Approaches	3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023	2023	260	5008	19	25	260	1.54E-04	1.06E-09	4.51E-08	1.67E-04
Plot 9 (2023) Paving	3.46 Plot 9 (2023) Paving - 2023	2023	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Mass Excavation	3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024	2024	262	2635	10	25	262	7.56E-05	5.02E-10	1.89E-08	8.13E-05
Plots 9 and 1,3,20 (2024) Finish Grading	3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024	2024	262	3442	13	25	262	9.88E-05	6.55E-10	2.47E-08	1.06E-04
Plots 9 and 1,3,20 (2024) Utilities	3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024	2024	262	3442	13	25	262	9.88E-05	6.55E-10	2.47E-08	1.06E-04
Plots 9 and 1,3,20 (2024) Building-Concrete	3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	2024	262	5848.5	22	25	262	1.68E-04	1.11E-09	4.20E-08	1.80E-04
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024	2024	262	2191	8	25	262	6.29E-05	4.17E-10	1.57E-08	6.76E-05
Plots 9 and 1,3,20 (2024) Building-Electrical	3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024	2024	262	2556	10	25	262	7.34E-05	4.87E-10	1.84E-08	7.88E-05
Plots 9 and 1,3,20 (2024) Building-Landscaping	3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024	2024	262	3756	14	25	262	1.08E-04	7.15E-10	2.70E-08	1.16E-04
Plots 9 and 1,3,20 (2024) Interchange	3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024	2024	262	1408.5	5	25	262	4.04E-05	2.68E-10	1.01E-08	4.34E-05
Plots 9 and 1,3,20 (2024) Landscaping	3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024	2024	262	3130	12	25	262	8.98E-05	5.96E-10	2.25E-08	9.65E-05
Plots 9 and 1,3,20 (2024) Temporary Utilities	3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024	2024	262	0	0	25	262	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches - 2024	2024	262	312	1	25	262	8.95E-06	5.94E-11	2.24E-09	9.62E-06
Plots 9 and 1,3,20 (2024) Paving	3.58 Plots 9 and 1,3,20 (2024) Paving - 2024	2024	262	264	1	25	262	7.58E-06	5.03E-11	1.90E-09	8.14E-06

World Logistics Center-Construction Plots 2, 4, 9, 1, 3,& 20 (2020-2024)-Mitigated

South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	40,600.00	1000sqft	2,419.90	40,600,000.00	0
Parking Lot	123.60	Acre	123.60	5,384,016.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Construction Assumptions

Construction Phase - Project Schedule

Off-road Equipment - Project Equipment

Off-road Equipment - Project Equipment

Off-road Equipment - Project Equipment

Off-road Equipment - Project Equipment

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Construction Off-road Equipment Mitigation -

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2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	11.7258	124.2141	88.2619	0.1863	11.9334	5.3668	17.3001	5.6443	4.9440	10.5882	0.0000	16,349.6642	16,349.6642	5.2290	0.0000	16,480.3899
2021	13.5657	141.6310	105.3781	0.2248	10.9648	6.0188	16.9836	5.0891	5.5434	10.6325	0.0000	19,722.7256	19,722.7256	6.3164	0.0000	19,880.6356
2022	13.4893	138.8341	109.5124	0.2373	18.4638	5.7709	24.2346	8.4774	5.3147	13.7921	0.0000	20,820.0781	20,820.0781	6.6709	0.0000	20,986.8506
2023	12.8722	127.5010	108.6844	0.2378	21.1036	5.2605	26.3641	9.1947	4.8447	14.0394	0.0000	20,862.2017	20,862.2017	6.6829	0.0000	21,029.2742
2024	10.9338	102.4574	98.2428	0.2227	14.3883	4.1914	18.5797	6.3449	3.8606	10.2055	0.0000	19,532.6472	19,532.6472	6.2531	0.0000	19,688.9738
Maximum	**13.5657**	**141.6310**	**109.5124**	**0.2378**	**21.1036**	**6.0188**	**26.3641**	**9.1947**	**5.5434**	**14.0394**	**0.0000**	**20,862.2017**	**20,862.2017**	**6.6829**	**0.0000**	**21,029.2742**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	2.9927	15.3212	100.2310	0.1863	4.6540	0.4264	5.0805	2.2013	0.4170	2.6183	0.0000	16,349.6448	16,349.6448	5.2290	0.0000	16,480.3703
2021	3.5328	18.6046	120.1425	0.2248	4.2763	0.5045	4.7808	1.9848	0.4939	2.4787	0.0000	19,722.7022	19,722.7022	6.3164	0.0000	19,880.6120
2022	3.8293	20.9972	126.5623	0.2373	7.2009	0.6200	7.8209	3.3062	0.6013	3.9074	0.0000	20,820.0533	20,820.0533	6.6709	0.0000	20,986.8256
2023	3.6226	18.6282	126.8614	0.2378	8.2304	0.4845	8.7149	3.5859	0.4772	4.0631	0.0000	20,862.1769	20,862.1769	6.6829	0.0000	21,029.2492
2024	3.4271	17.8771	120.4454	0.2227	5.6114	0.4509	6.0623	2.4745	0.4442	2.9187	0.0000	19,532.6240	19,532.6240	6.2531	0.0000	19,688.9504
Maximum	**3.8293**	**20.9972**	**126.8614**	**0.2378**	**8.2304**	**0.6200**	**8.7149**	**3.5859**	**0.6013**	**4.0631**	**0.0000**	**20,862.1769**	**20,862.1769**	**6.6829**	**0.0000**	**21,029.2492**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**72.19**	**85.59**	**-16.50**	**0.00**	**61.00**	**90.66**	**68.63**	**61.00**	**90.07**	**73.02**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**1-1-2020**	**3-31-2020**	33.7256	4.5435
2	**4-1-2020**	**6-30-2020**	33.7256	4.5435
3	**7-1-2020**	**9-30-2020**	34.0962	4.5935
4	**10-1-2020**	**12-31-2020**	34.0962	4.5935
5	**1-1-2021**	**3-31-2021**	38.2258	5.4526
6	**4-1-2021**	**6-30-2021**	38.6505	5.5131
7	**7-1-2021**	**9-30-2021**	39.0753	5.5737
8	**10-1-2021**	**12-31-2021**	39.0753	5.5737
9	**1-1-2022**	**3-31-2022**	37.6624	6.1384
10	**4-1-2022**	**6-30-2022**	38.0809	6.2066
11	**7-1-2022**	**9-30-2022**	38.4993	6.2748
12	**10-1-2022**	**12-31-2022**	38.4993	6.2748
13	**1-1-2023**	**3-31-2023**	34.7077	5.5016
14	**4-1-2023**	**6-30-2023**	35.0933	5.5627
15	**7-1-2023**	**9-30-2023**	35.4789	5.6238

16	**10-1-2023**	**12-31-2023**	35.4789	5.6238
17	**1-1-2024**	**3-31-2024**	28.1314	5.2854
18	**4-1-2024**	**6-30-2024**	28.1314	5.2854
19	**7-1-2024**	**9-30-2024**	28.4405	5.3435
		Highest	39.0753	6.2748

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	165.9964	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758
Energy	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	35,527.5807	35,527.5807	1.3695	0.3465	35,665.0832
Waste						0.0000	0.0000		0.0000	0.0000	7,746.9471	0.0000	7,746.9471	457.8315	0.0000	19,192.7336
Water						0.0000	0.0000		0.0000	0.0000	2,978.6172	38,951.7603	41,930.3775	307.5407	7.5564	51,870.7141
Total	**166.4408**	**4.0447**	**3.9101**	**0.0243**		**0.3089**	**0.3089**		**0.3089**	**0.3089**	**10,725.5643**	**74,480.3517**	**85,205.9160**	**766.7442**	**7.9030**	**106,729.6066**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	165.9964	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758
Energy	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	35,527.5807	35,527.5807	1.3695	0.3465	35,665.0832
Waste						0.0000	0.0000		0.0000	0.0000	7,746.9471	0.0000	7,746.9471	457.8315	0.0000	19,192.7336

Water						0.0000	0.0000		0.0000	0.0000	2,978.6172	38,951.7603	41,930.3775	307.5407	7.5564	51,870.7141
Total	**166.4408**	**4.0447**	**3.9101**	**0.0243**		**0.3089**	**0.3089**		**0.3089**	**0.3089**	**10,725.5643**	**74,480.3517**	**85,205.9160**	**766.7442**	**7.9030**	**106,729.6066**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Plots 2 and 4 (2020) Mass Excavation	Grading	1/1/2020	12/31/2020	5	262	11
2	Plots 2 and 4 (2020) Finish Grading	Grading	1/1/2020	12/31/2020	5	262	12
3	Plots 2 and 4 (2020) Utilities	Trenching	1/1/2020	12/31/2020	5	262	13
4	Plots 2 and 4 (2020) Landscaping	Building Construction	1/1/2020	12/31/2020	5	262	14
5	Plots 2 and 4 (2020) Building Concrete	Building Construction	1/1/2020	12/31/2020	5	262	15
6	Plots 2 and 4 (2020) Building-Wet Utilities	Building Construction	1/1/2020	12/31/2020	5	262	16
7	Plots 2 and 4 (2020) Building-Electrical	Building Construction	1/1/2020	12/31/2020	5	262	17
8	Plots 2 and 4 (2020) Temporary Utilities	Building Construction	1/1/2020	12/31/2020	5	262	18
9	Plots 2 and 4 (2020) Building-Landscaping	Building Construction	1/1/2020	12/31/2020	5	262	19
10	Plots 2 and 4 (2020) Paving	Paving	1/1/2020	12/31/2020	5	262	20
11	Plots 2 and 4 (2020) Curbing/Drive Approaches	Paving	1/1/2020	12/31/2020	5	262	21
12	Plot 4 (2021) Mass Excavation	Grading	1/1/2021	12/31/2021	5	261	22
13	Plot 4 (2021) Finish Grading	Grading	1/1/2021	12/31/2021	5	261	23
14	Plot 4 (2021) Utilities	Trenching	1/1/2021	12/31/2021	5	261	24
15	Plot 4 (2021) Building-Concrete	Building Construction	1/1/2021	12/31/2021	5	261	25
16	Plot 4 (2021) Building-Wet Utilities	Building Construction	1/1/2021	12/31/2021	5	261	26
17	Plot 4 (2021) Building-Electrical	Building Construction	1/1/2021	12/31/2021	5	261	27
18	Plot 4 (2021) Building-Landscaping	Building Construction	1/1/2021	12/31/2021	5	261	28
19	Plot 4 (2021) Landscaping	Building Construction	1/1/2021	12/31/2021	5	261	29
20	Plot 4 (2021) Temporary Utilities	Building Construction	1/1/2021	12/31/2021	5	261	30

21	Plot 4 (2021) Curbing/Drive Approaches	Paving	1/1/2021	12/31/2021	5	261	31
22	Plot 4 (2021) Paving	Paving	1/1/2021	12/31/2021	5	261	32
23	Plots 4 and 9 (2022) Mass Excavation	Grading	1/1/2022	12/31/2022	5	260	33
24	Plots 4 and 9 (2022) Finish Grading	Grading	1/1/2022	12/31/2022	5	260	34
25	Plots 4 and 9 (2022) Utilities	Trenching	1/1/2022	12/31/2022	5	260	35
26	Plots 4 and 9 (2022) Building-Concrete	Building Construction	1/1/2022	12/31/2022	5	260	36
27	Plots 4 and 9 (2022) Building-Wet Utilities	Building Construction	1/1/2022	12/31/2022	5	260	37
28	Plots 4 and 9 (2022) Building-Electrical	Building Construction	1/1/2022	12/31/2022	5	260	38
29	Plots 4 and 9 (2022) Building-Landscaping	Building Construction	1/1/2022	12/31/2022	5	260	39
30	Plots 4 and 9 (2022) Landscaping	Building Construction	1/1/2022	12/31/2022	5	260	40
31	Plots 4 and 9 (2022) Temporary Utilities	Building Construction	1/1/2022	12/31/2022	5	260	41
32	Plots 4 and 9 (2022) Curbing/Drive Approaches	Paving	1/1/2022	12/31/2022	5	260	42
33	Plots 4 and 9 (2022) Paving	Paving	1/1/2022	12/31/2022	5	260	43
34	Plot 9 (2023) Mass Excavation	Grading	1/1/2023	12/31/2023	5	260	44
35	Plot 9 (2023) Finish Grading	Grading	1/1/2023	12/31/2023	5	260	45
36	Plot 9 (2023) Utilities	Trenching	1/1/2023	12/31/2023	5	260	46
37	Plot 9 (2023) Building-Concrete	Building Construction	1/1/2023	12/31/2023	5	260	47
38	Plot 9 (2023) Building-Wet Utilities	Building Construction	1/1/2023	12/31/2023	5	260	48
39	Plot 9 (2023) Building-Electrical	Building Construction	1/1/2023	12/31/2023	5	260	49
40	Plot 9 (2023) Building-Landscaping	Building Construction	1/1/2023	12/31/2023	5	260	50
41	Plot 9 (2023) Interchange	Building Construction	1/1/2023	12/31/2023	5	260	51
42	Plot 9 (2023) Landscaping	Building Construction	1/1/2023	12/31/2023	5	260	52
43	Plot 9 (2023) Temporary Utilities	Building Construction	1/1/2023	12/31/2023	5	260	53
44	Plot 9 (2023) Curbing/Drive Approaches	Paving	1/1/2023	12/31/2023	5	260	54
45	Plot 9 (2023) Paving	Paving	1/1/2023	12/31/2023	5	260	55
46	Plots 9 and 1,3,20 (2024) Mass Excavation	Grading	1/1/2024	12/31/2024	5	261	56
47	Plots 9 and 1,3,20 (2024) Finish Grading	Grading	1/1/2024	12/31/2024	5	262	57
48	Plots 9 and 1,3,20 (2024) Utilities	Trenching	1/1/2024	12/31/2024	5	262	58
49	Plots 9 and 1,3,20 (2024) Building-Concrete	Building Construction	1/1/2024	12/31/2024	5	262	59
50	Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Building Construction	1/1/2024	12/31/2024	5	262	60
51	Plots 9 and 1,3,20 (2024) Building-Electrical	Building Construction	1/1/2024	12/31/2024	5	262	61
52	Plots 9 and 1,3,20 (2024) Building-Landscaping	Building Construction	1/1/2024	12/31/2024	5	262	62

53	Plots 9 and 1,3,20 (2024) Interchange	Building Construction	1/1/2024	12/31/2024	5	262	63
54	Plots 9 and 1,3,20 (2024) Landscaping	Building Construction	1/1/2024	12/31/2024	5	262	64
55	Plots 9 and 1,3,20 (2024) Temporary Utilities	Building Construction	1/1/2024	12/31/2024	5	262	65
56	Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	Paving	1/1/2024	12/31/2024	5	262	66
57	Plots 9 and 1,3,20 (2024) Paving	Paving	1/1/2024	12/31/2024	5	262	67

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 123.6

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Plots 2 and 4 (2020) Mass Excavation	Graders	1	10.00	193	0.41
Plots 2 and 4 (2020) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plots 2 and 4 (2020) Mass Excavation	Other Material Handling Equipment	4	1.00	167	0.40
Plots 2 and 4 (2020) Mass Excavation	Other Material Handling Equipment	4	1.00	167	0.40
Plots 2 and 4 (2020) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 2 and 4 (2020) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 2 and 4 (2020) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 2 and 4 (2020) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 2 and 4 (2020) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plots 2 and 4 (2020) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plots 2 and 4 (2020) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plots 2 and 4 (2020) Mass Excavation	Rubber Tired Dozers	3	10.00	85	0.40
Plots 2 and 4 (2020) Mass Excavation	Scrapers	6	10.00	550	0.48
Plots 2 and 4 (2020) Mass Excavation	Scrapers	12	10.00	550	0.48
Plots 2 and 4 (2020) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 2 and 4 (2020) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 2 and 4 (2020) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 2 and 4 (2020) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40

Plots 2 and 4 (2020) Finish Grading	Rubber Tired Dozers	3	10.00	85	0.40
Plots 2 and 4 (2020) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 2 and 4 (2020) Utilities	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 2 and 4 (2020) Utilities	Excavators	2	10.00	523	0.38
Plots 2 and 4 (2020) Utilities	Excavators	5	10.00	286	0.38
Plots 2 and 4 (2020) Utilities	Excavators	2	10.00	190	0.38
Plots 2 and 4 (2020) Utilities	Excavators	4	10.00	396	0.38
Plots 2 and 4 (2020) Utilities	Excavators	2	10.00	190	0.38
Plots 2 and 4 (2020) Utilities	Excavators	2	10.00	188	0.38
Plots 2 and 4 (2020) Utilities	Excavators	8	10.00	40	0.38
Plots 2 and 4 (2020) Utilities	Forklifts	4	10.00	89	0.20
Plots 2 and 4 (2020) Utilities	Other Material Handling Equipment	7	1.00	167	0.40
Plots 2 and 4 (2020) Utilities	Other Material Handling Equipment	16	1.00	167	0.40
Plots 2 and 4 (2020) Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 2 and 4 (2020) Utilities	Tractors/Loaders/Backhoes	8	10.00	90	0.37
Plots 2 and 4 (2020) Landscaping	Excavators	2	10.00	29	0.38
Plots 2 and 4 (2020) Landscaping	Forklifts	2	10.00	125	0.20
Plots 2 and 4 (2020) Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 2 and 4 (2020) Landscaping	Other Material Handling Equipment	10	1.00	167	0.40
Plots 2 and 4 (2020) Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 2 and 4 (2020) Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 2 and 4 (2020) Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 2 and 4 (2020) Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plots 2 and 4 (2020) Landscaping	Trenchers	2	10.00	39	0.50
Plots 2 and 4 (2020) Building Concrete	Cement and Mortar Mixers	15	1.00	9	0.56
Plots 2 and 4 (2020) Building Concrete	Other Material Handling Equipment	2	1.00	167	0.40
Plots 2 and 4 (2020) Building Concrete	Pumps	2	10.00	84	0.74
Plots 2 and 4 (2020) Building Concrete	Tractors/Loaders/Backhoes	4	10.00	78	0.37
Plots 2 and 4 (2020) Building-Wet Utilities	Excavators	2	10.00	300	0.38
Plots 2 and 4 (2020) Building-Wet Utilities	Excavators	2	10.00	179	0.38
Plots 2 and 4 (2020) Building-Wet Utilities	Excavators	2	10.00	173	0.38
Plots 2 and 4 (2020) Building-Wet Utilities	Other Material Handling Equipment	15	1.00	167	0.40

Plots 2 and 4 (2020) Building-Wet Utilities	Rubber Tired Loaders	6	10.00	152	0.36
Plots 2 and 4 (2020) Building-Wet Utilities	Tractors/Loaders/Backhoes	4	10.00	85	0.37
Plots 2 and 4 (2020) Building-Wet Utilities	Tractors/Loaders/Backhoes	6	10.00	108	0.37
Plots 2 and 4 (2020) Building-Electrical	Cement and Mortar Mixers	16	1.00	9	0.56
Plots 2 and 4 (2020) Building-Electrical	Excavators	4	10.00	40	0.38
Plots 2 and 4 (2020) Building-Electrical	Forklifts	4	10.00	89	0.20
Plots 2 and 4 (2020) Building-Electrical	Other Material Handling Equipment	6	1.00	167	0.40
Plots 2 and 4 (2020) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 2 and 4 (2020) Temporary Utilities	Cranes	2	10.00	445	0.29
Plots 2 and 4 (2020) Building-Landscaping	Excavators	2	10.00	29	0.38
Plots 2 and 4 (2020) Building-Landscaping	Forklifts	2	10.00	125	0.20
Plots 2 and 4 (2020) Building-Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 2 and 4 (2020) Building-Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 2 and 4 (2020) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 2 and 4 (2020) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plots 2 and 4 (2020) Building-Landscaping	Trenchers	2	10.00	39	0.50
Plots 2 and 4 (2020) Paving	Other Material Handling Equipment	6	1.00	167	0.40
Plots 2 and 4 (2020) Paving	Pavers	2	10.00	126	0.42
Plots 2 and 4 (2020) Paving	Paving Equipment	2	10.00	131	0.36
Plots 2 and 4 (2020) Paving	Plate Compactors	2	10.00	8	0.43
Plots 2 and 4 (2020) Paving	Rollers	2	10.00	81	0.38
Plots 2 and 4 (2020) Paving	Scrapers	2	10.00	362	0.48
Plots 2 and 4 (2020) Paving	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 2 and 4 (2020) Curbing/Drive Approaches	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 2 and 4 (2020) Curbing/Drive Approaches	Other Material Handling Equipment	4	1.00	167	0.40
Plots 2 and 4 (2020) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plots 2 and 4 (2020) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plots 2 and 4 (2020) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plot 4 (2021) Mass Excavation	Graders	2	10.00	193	0.41
Plot 4 (2021) Mass Excavation	Off-Highway Trucks	2	10.00	400	0.38
Plot 4 (2021) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40
Plot 4 (2021) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40

Plot 4 (2021) Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plot 4 (2021) Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plot 4 (2021) Mass Excavation	Rubber Tired Dozers	2	10.00	305	0.40
Plot 4 (2021) Mass Excavation	Rubber Tired Dozers	2	10.00	140	0.40
Plot 4 (2021) Mass Excavation	Rubber Tired Dozers	3	10.00	85	0.40
Plot 4 (2021) Mass Excavation	Rubber Tired Dozers	3	10.00	580	0.40
Plot 4 (2021) Mass Excavation	Rubber Tired Dozers	3	10.00	580	0.40
Plot 4 (2021) Mass Excavation	Rubber Tired Dozers	3	10.00	410	0.40
Plot 4 (2021) Mass Excavation	Scrapers	6	10.00	550	0.48
Plot 4 (2021) Mass Excavation	Scrapers	14	10.00	550	0.48
Plot 4 (2021) Mass Excavation	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 4 (2021) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 4 (2021) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 4 (2021) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plot 4 (2021) Finish Grading	Rubber Tired Dozers	3	10.00	85	0.40
Plot 4 (2021) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 4 (2021) Utilities	Cement and Mortar Mixers	8	1.00	9	0.56
Plot 4 (2021) Utilities	Excavators	2	10.00	523	0.38
Plot 4 (2021) Utilities	Excavators	10	10.00	286	0.38
Plot 4 (2021) Utilities	Excavators	2	10.00	190	0.38
Plot 4 (2021) Utilities	Excavators	4	10.00	396	0.38
Plot 4 (2021) Utilities	Excavators	2	10.00	190	0.38
Plot 4 (2021) Utilities	Excavators	2	10.00	188	0.38
Plot 4 (2021) Utilities	Excavators	8	10.00	40	0.38
Plot 4 (2021) Utilities	Forklifts	4	10.00	89	0.20
Plot 4 (2021) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 4 (2021) Utilities	Other Material Handling Equipment	18	1.00	167	0.40
Plot 4 (2021) Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 4 (2021) Utilities	Tractors/Loaders/Backhoes	8	10.00	90	0.37
Plot 4 (2021) Building-Concrete	Cement and Mortar Mixers	30	1.00	9	0.56
Plot 4 (2021) Building-Concrete	Other Material Handling Equipment	2	1.00	167	0.40
Plot 4 (2021) Building-Concrete	Pumps	2	10.00	84	0.74

Plot 4 (2021) Building-Concrete	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plot 4 (2021) Building-Wet Utilities	Excavators	2	10.00	300	0.38
Plot 4 (2021) Building-Wet Utilities	Excavators	2	10.00	179	0.38
Plot 4 (2021) Building-Wet Utilities	Excavators	2	10.00	173	0.38
Plot 4 (2021) Building-Wet Utilities	Other Material Handling Equipment	15	1.00	167	0.40
Plot 4 (2021) Building-Wet Utilities	Rubber Tired Loaders	6	10.00	152	0.36
Plot 4 (2021) Building-Wet Utilities	Tractors/Loaders/Backhoes	4	10.00	108	0.37
Plot 4 (2021) Building-Wet Utilities	Tractors/Loaders/Backhoes	6	10.00	108	0.37
Plot 4 (2021) Building-Electrical	Cement and Mortar Mixers	18	1.00	9	0.56
Plot 4 (2021) Building-Electrical	Excavators	10	10.00	40	0.38
Plot 4 (2021) Building-Electrical	Forklifts	4	10.00	89	0.20
Plot 4 (2021) Building-Electrical	Other Material Handling Equipment	6	1.00	167	0.40
Plot 4 (2021) Building-Electrical	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plot 4 (2021) Building-Landscaping	Excavators	2	10.00	29	0.38
Plot 4 (2021) Building-Landscaping	Forklifts	2	10.00	125	0.20
Plot 4 (2021) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plot 4 (2021) Building-Landscaping	Other Material Handling Equipment	3	1.00	167	0.40
Plot 4 (2021) Building-Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plot 4 (2021) Building-Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plot 4 (2021) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plot 4 (2021) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plot 4 (2021) Building-Landscaping	Trenchers	2	10.00	39	0.50
Plot 4 (2021) Landscaping	Excavators	2	10.00	29	0.38
Plot 4 (2021) Landscaping	Forklifts	2	10.00	125	0.20
Plot 4 (2021) Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 4 (2021) Landscaping	Other Material Handling Equipment	10	1.00	167	0.40
Plot 4 (2021) Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plot 4 (2021) Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plot 4 (2021) Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plot 4 (2021) Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plot 4 (2021) Landscaping	Trenchers	2	10.00	39	0.50
Plot 4 (2021) Temporary Utilities	Cranes	2	10.00	445	0.29

Plot 4 (2021) Curbing/Drive Approaches	Cement and Mortar Mixers	8	1.00	9	0.56
Plot 4 (2021) Curbing/Drive Approaches	Other Material Handling Equipment	4	1.00	167	0.40
Plot 4 (2021) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plot 4 (2021) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plot 4 (2021) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plot 4 (2021) Paving	Other Material Handling Equipment	6	1.00	167	0.40
Plot 4 (2021) Paving	Pavers	2	10.00	126	0.42
Plot 4 (2021) Paving	Paving Equipment	2	10.00	131	0.36
Plot 4 (2021) Paving	Plate Compactors	2	10.00	8	0.43
Plot 4 (2021) Paving	Rollers	2	10.00	81	0.38
Plot 4 (2021) Paving	Scrapers	2	10.00	362	0.48
Plot 4 (2021) Paving	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 4 and 9 (2022) Mass Excavation	Graders	2	10.00	193	0.41
Plots 4 and 9 (2022) Mass Excavation	Off-Highway Trucks	2	10.00	400	0.38
Plots 4 and 9 (2022) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40
Plots 4 and 9 (2022) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40
Plots 4 and 9 (2022) Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plots 4 and 9 (2022) Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plots 4 and 9 (2022) Mass Excavation	Rubber Tired Dozers	4	10.00	580	0.40
Plots 4 and 9 (2022) Mass Excavation	Rubber Tired Dozers	4	10.00	580	0.40
Plots 4 and 9 (2022) Mass Excavation	Rubber Tired Dozers	4	10.00	410	0.40
Plots 4 and 9 (2022) Mass Excavation	Rubber Tired Dozers	2	10.00	305	0.40
Plots 4 and 9 (2022) Mass Excavation	Rubber Tired Dozers	2	10.00	140	0.40
Plots 4 and 9 (2022) Mass Excavation	Rubber Tired Dozers	3	10.00	85	0.40
Plots 4 and 9 (2022) Mass Excavation	Scrapers	6	10.00	550	0.48
Plots 4 and 9 (2022) Mass Excavation	Scrapers	14	10.00	550	0.48
Plots 4 and 9 (2022) Mass Excavation	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 4 and 9 (2022) Finish Grading	Other Construction Equipment	2	10.00	167	0.42
Plots 4 and 9 (2022) Finish Grading	Other Construction Equipment	2	10.00	167	0.42
Plots 4 and 9 (2022) Finish Grading	Rubber Tired Dozers	2	10.00	140	0.40
Plots 4 and 9 (2022) Finish Grading	Rubber Tired Dozers	4	10.00	85	0.40
Plots 4 and 9 (2022) Finish Grading	Tractors/Loaders/Backhoes	2	10.00	85	0.37

Plots 4 and 9 (2022) Utilities	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 4 and 9 (2022) Utilities	Excavators	2	10.00	523	0.38
Plots 4 and 9 (2022) Utilities	Excavators	10	10.00	286	0.38
Plots 4 and 9 (2022) Utilities	Excavators	2	10.00	190	0.38
Plots 4 and 9 (2022) Utilities	Excavators	4	10.00	396	0.38
Plots 4 and 9 (2022) Utilities	Excavators	2	10.00	190	0.38
Plots 4 and 9 (2022) Utilities	Excavators	2	10.00	188	0.38
Plots 4 and 9 (2022) Utilities	Excavators	8	10.00	40	0.38
Plots 4 and 9 (2022) Utilities	Forklifts	4	10.00	89	0.20
Plots 4 and 9 (2022) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 4 and 9 (2022) Utilities	Other Material Handling Equipment	18	1.00	167	0.40
Plots 4 and 9 (2022) Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 4 and 9 (2022) Utilities	Tractors/Loaders/Backhoes	8	10.00	90	0.37
Plots 4 and 9 (2022) Building-Concrete	Cement and Mortar Mixers	30	1.00	9	0.56
Plots 4 and 9 (2022) Building-Concrete	Other Material Handling Equipment	2	1.00	167	0.40
Plots 4 and 9 (2022) Building-Concrete	Pumps	2	10.00	84	0.74
Plots 4 and 9 (2022) Building-Concrete	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plots 4 and 9 (2022) Building-Wet Utilities	Excavators	2	10.00	300	0.38
Plots 4 and 9 (2022) Building-Wet Utilities	Excavators	2	10.00	179	0.38
Plots 4 and 9 (2022) Building-Wet Utilities	Excavators	2	10.00	173	0.38
Plots 4 and 9 (2022) Building-Wet Utilities	Other Material Handling Equipment	15	1.00	167	0.40
Plots 4 and 9 (2022) Building-Wet Utilities	Rubber Tired Loaders	6	10.00	152	0.36
Plots 4 and 9 (2022) Building-Wet Utilities	Tractors/Loaders/Backhoes	4	10.00	85	0.37
Plots 4 and 9 (2022) Building-Wet Utilities	Tractors/Loaders/Backhoes	6	10.00	108	0.37
Plots 4 and 9 (2022) Building-Electrical	Cement and Mortar Mixers	18	1.00	9	0.56
Plots 4 and 9 (2022) Building-Electrical	Excavators	10	10.00	40	0.38
Plots 4 and 9 (2022) Building-Electrical	Forklifts	4	10.00	89	0.20
Plots 4 and 9 (2022) Building-Electrical	Other Material Handling Equipment	6	1.00	167	0.40
Plots 4 and 9 (2022) Building-Electrical	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plots 4 and 9 (2022) Building-Landscaping	Excavators	2	10.00	29	0.38
Plots 4 and 9 (2022) Building-Landscaping	Forklifts	2	10.00	125	0.20
Plots 4 and 9 (2022) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40

Plots 4 and 9 (2022) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plots 4 and 9 (2022) Building-Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 4 and 9 (2022) Building-Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 4 and 9 (2022) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 4 and 9 (2022) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plots 4 and 9 (2022) Building-Landscaping	Trenchers	2	10.00	39	0.50
Plots 4 and 9 (2022) Landscaping	Excavators	2	10.00	29	0.38
Plots 4 and 9 (2022) Landscaping	Forklifts	2	10.00	125	0.20
Plots 4 and 9 (2022) Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 4 and 9 (2022) Landscaping	Other Material Handling Equipment	10	1.00	167	0.40
Plots 4 and 9 (2022) Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 4 and 9 (2022) Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 4 and 9 (2022) Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 4 and 9 (2022) Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plots 4 and 9 (2022) Landscaping	Trenchers	2	10.00	39	0.50
Plots 4 and 9 (2022) Temporary Utilities	Cranes	2	10.00	445	0.29
Plots 4 and 9 (2022) Curbing/Drive Approaches	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 4 and 9 (2022) Curbing/Drive Approaches	Other Material Handling Equipment	4	1.00	167	0.40
Plots 4 and 9 (2022) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plots 4 and 9 (2022) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plots 4 and 9 (2022) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plots 4 and 9 (2022) Paving	Other Material Handling Equipment	6	1.00	167	0.40
Plots 4 and 9 (2022) Paving	Pavers	2	10.00	126	0.42
Plots 4 and 9 (2022) Paving	Paving Equipment	2	10.00	131	0.36
Plots 4 and 9 (2022) Paving	Plate Compactors	2	10.00	8	0.43
Plots 4 and 9 (2022) Paving	Rollers	2	10.00	81	0.38
Plots 4 and 9 (2022) Paving	Scrapers	2	10.00	362	0.48
Plots 4 and 9 (2022) Paving	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 9 (2023) Mass Excavation	Graders	2	10.00	193	0.41
Plot 9 (2023) Mass Excavation	Off-Highway Trucks	2	10.00	400	0.38
Plot 9 (2023) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40
Plot 9 (2023) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40

Plot 9 (2023) Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plot 9 (2023) Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plot 9 (2023) Mass Excavation	Rubber Tired Dozers	4	10.00	580	0.40
Plot 9 (2023) Mass Excavation	Rubber Tired Dozers	4	10.00	580	0.40
Plot 9 (2023) Mass Excavation	Rubber Tired Dozers	4	10.00	410	0.40
Plot 9 (2023) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plot 9 (2023) Mass Excavation	Rubber Tired Dozers	2	10.00	140	0.40
Plot 9 (2023) Mass Excavation	Rubber Tired Dozers	3	10.00	85	0.40
Plot 9 (2023) Mass Excavation	Scrapers	6	10.00	550	0.48
Plot 9 (2023) Mass Excavation	Scrapers	12	10.00	550	0.48
Plot 9 (2023) Mass Excavation	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 9 (2023) Finish Grading	Other Material Handling Equipment	2	1.00	167	0.40
Plot 9 (2023) Finish Grading	Other Material Handling Equipment	2	1.00	167	0.40
Plot 9 (2023) Finish Grading	Rubber Tired Dozers	2	10.00	140	0.40
Plot 9 (2023) Finish Grading	Rubber Tired Dozers	4	10.00	85	0.40
Plot 9 (2023) Finish Grading	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 9 (2023) Utilities	Cement and Mortar Mixers	8	1.00	9	0.56
Plot 9 (2023) Utilities	Excavators	2	10.00	523	0.38
Plot 9 (2023) Utilities	Excavators	10	10.00	286	0.38
Plot 9 (2023) Utilities	Excavators	2	10.00	190	0.38
Plot 9 (2023) Utilities	Excavators	4	10.00	396	0.38
Plot 9 (2023) Utilities	Excavators	2	10.00	190	0.38
Plot 9 (2023) Utilities	Excavators	2	10.00	188	0.38
Plot 9 (2023) Utilities	Excavators	8	10.00	40	0.38
Plot 9 (2023) Utilities	Forklifts	4	10.00	89	0.20
Plot 9 (2023) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 9 (2023) Utilities	Other Material Handling Equipment	18	1.00	167	0.40
Plot 9 (2023) Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 9 (2023) Utilities	Tractors/Loaders/Backhoes	8	10.00	90	0.37
Plot 9 (2023) Building-Concrete	Cement and Mortar Mixers	30	1.00	9	0.56
Plot 9 (2023) Building-Concrete	Other Material Handling Equipment	2	1.00	167	0.40
Plot 9 (2023) Building-Concrete	Pumps	2	10.00	84	0.74

Plot 9 (2023) Building-Concrete	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plot 9 (2023) Building-Wet Utilities	Excavators	2	10.00	300	0.38
Plot 9 (2023) Building-Wet Utilities	Excavators	2	10.00	179	0.38
Plot 9 (2023) Building-Wet Utilities	Excavators	2	10.00	173	0.38
Plot 9 (2023) Building-Wet Utilities	Other Material Handling Equipment	15	1.00	167	0.40
Plot 9 (2023) Building-Wet Utilities	Rubber Tired Loaders	6	10.00	152	0.36
Plot 9 (2023) Building-Wet Utilities	Tractors/Loaders/Backhoes	6	10.00	108	0.37
Plot 9 (2023) Building-Wet Utilities	Tractors/Loaders/Backhoes	4	10.00	85	0.37
Plot 9 (2023) Building-Electrical	Cement and Mortar Mixers	18	1.00	9	0.56
Plot 9 (2023) Building-Electrical	Excavators	10	10.00	40	0.38
Plot 9 (2023) Building-Electrical	Forklifts	4	10.00	89	0.20
Plot 9 (2023) Building-Electrical	Other Material Handling Equipment	6	1.00	167	0.40
Plot 9 (2023) Building-Electrical	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plot 9 (2023) Building-Landscaping	Excavators	2	10.00	29	0.38
Plot 9 (2023) Building-Landscaping	Forklifts	2	10.00	125	0.20
Plot 9 (2023) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plot 9 (2023) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plot 9 (2023) Building-Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plot 9 (2023) Building-Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plot 9 (2023) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plot 9 (2023) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plot 9 (2023) Building-Landscaping	Trenchers	2	10.00	39	0.50
Plot 9 (2023) Landscaping	Excavators	2	10.00	29	0.38
Plot 9 (2023) Landscaping	Forklifts	2	10.00	125	0.20
Plot 9 (2023) Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 9 (2023) Landscaping	Other Material Handling Equipment	10	1.00	167	0.40
Plot 9 (2023) Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plot 9 (2023) Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plot 9 (2023) Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plot 9 (2023) Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plot 9 (2023) Landscaping	Trenchers	2	10.00	39	0.50
Plot 9 (2023) Temporary Utilities	Cranes	2	10.00	445	0.29

Plot 9 (2023) Curbing/Drive Approaches	Cement and Mortar Mixers	8	1.00	9	0.56
Plot 9 (2023) Curbing/Drive Approaches	Other Material Handling Equipment	6	1.00	167	0.40
Plot 9 (2023) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plot 9 (2023) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plot 9 (2023) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plot 9 (2023) Paving	Other Material Handling Equipment	6	1.00	167	0.40
Plot 9 (2023) Paving	Pavers	2	10.00	126	0.42
Plot 9 (2023) Paving	Paving Equipment	2	10.00	131	0.36
Plot 9 (2023) Paving	Plate Compactors	2	10.00	8	0.43
Plot 9 (2023) Paving	Rollers	2	10.00	81	0.38
Plot 9 (2023) Paving	Scrapers	2	10.00	362	0.48
Plot 9 (2023) Paving	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 9 (2023) Interchange	Bore/Drill Rigs	1	10.00	206	0.50
Plot 9 (2023) Interchange	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 9 (2023) Interchange	Cranes	1	10.00	226	0.29
Plot 9 (2023) Interchange	Excavators	1	10.00	190	0.38
Plot 9 (2023) Interchange	Graders	1	10.00	259	0.41
Plot 9 (2023) Interchange	Other General Industrial Equipment	1	10.00	88	0.34
Plot 9 (2023) Interchange	Other Material Handling Equipment	4	1.00	167	0.40
Plot 9 (2023) Interchange	Rubber Tired Dozers	1	10.00	410	0.40
Plot 9 (2023) Interchange	Rubber Tired Dozers	1	10.00	140	0.40
Plot 9 (2023) Interchange	Rubber Tired Loaders	1	10.00	180	0.36
Plot 9 (2023) Interchange	Scrapers	1	10.00	330	0.48
Plot 9 (2023) Interchange	Tractors/Loaders/Backhoes	1	10.00	98	0.37
Plot 9 (2023) Interchange	Tractors/Loaders/Backhoes	1	10.00	90	0.37
Plots 9 and 1,3,20 (2024) Mass Excavation	Graders	2	10.00	193	0.41
Plots 9 and 1,3,20 (2024) Mass Excavation	Off-Highway Trucks	2	10.00	400	0.38
Plots 9 and 1,3,20 (2024) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Mass Excavation	Other Material Handling Equipment	5	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plots 9 and 1,3,20 (2024) Mass Excavation	Plate Compactors	2	10.00	354	0.43
Plots 9 and 1,3,20 (2024) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40

Plots 9 and 1,3,20 (2024) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 9 and 1,3,20 (2024) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plots 9 and 1,3,20 (2024) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plots 9 and 1,3,20 (2024) Mass Excavation	Rubber Tired Dozers	2	10.00	140	0.40
Plots 9 and 1,3,20 (2024) Mass Excavation	Rubber Tired Dozers	3	10.00	85	0.40
Plots 9 and 1,3,20 (2024) Mass Excavation	Scrapers	6	10.00	550	0.48
Plots 9 and 1,3,20 (2024) Mass Excavation	Scrapers	12	10.00	550	0.48
Plots 9 and 1,3,20 (2024) Mass Excavation	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 9 and 1,3,20 (2024) Utilities	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 9 and 1,3,20 (2024) Utilities	Excavators	2	10.00	523	0.38
Plots 9 and 1,3,20 (2024) Utilities	Excavators	10	10.00	286	0.38
Plots 9 and 1,3,20 (2024) Utilities	Excavators	2	10.00	190	0.38
Plots 9 and 1,3,20 (2024) Utilities	Excavators	4	10.00	396	0.38
Plots 9 and 1,3,20 (2024) Utilities	Excavators	2	10.00	190	0.38
Plots 9 and 1,3,20 (2024) Utilities	Excavators	2	10.00	188	0.38
Plots 9 and 1,3,20 (2024) Utilities	Excavators	8	10.00	40	0.38
Plots 9 and 1,3,20 (2024) Utilities	Forklifts	4	10.00	89	0.20
Plots 9 and 1,3,20 (2024) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Utilities	Other Material Handling Equipment	20	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 9 and 1,3,20 (2024) Utilities	Tractors/Loaders/Backhoes	8	10.00	90	0.37
Plots 9 and 1,3,20 (2024) Building-Concrete	Cement and Mortar Mixers	30	1.00	9	0.56
Plots 9 and 1,3,20 (2024) Building-Concrete	Other Material Handling Equipment	2	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Building-Concrete	Pumps	2	10.00	84	0.74
Plots 9 and 1,3,20 (2024) Building-Concrete	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Excavators	2	10.00	300	0.38
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Excavators	2	10.00	179	0.38
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Excavators	2	10.00	173	0.38
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Other Material Handling Equipment	15	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Rubber Tired Loaders	6	10.00	152	0.36
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Tractors/Loaders/Backhoes	6	10.00	108	0.37
Plots 9 and 1,3,20 (2024) Building-Wet Utilities	Tractors/Loaders/Backhoes	4	10.00	85	0.37

Plots 9 and 1,3,20 (2024) Building-Electrical	Cement and Mortar Mixers	12	1.00	9	0.56
Plots 9 and 1,3,20 (2024) Building-Electrical	Excavators	10	10.00	40	0.38
Plots 9 and 1,3,20 (2024) Building-Electrical	Forklifts	4	10.00	89	0.20
Plots 9 and 1,3,20 (2024) Building-Electrical	Other Material Handling Equipment	6	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Building-Electrical	Tractors/Loaders/Backhoes	10	10.00	90	0.37
Plots 9 and 1,3,20 (2024) Building-Landscaping	Excavators	2	10.00	29	0.38
Plots 9 and 1,3,20 (2024) Building-Landscaping	Forklifts	2	10.00	125	0.20
Plots 9 and 1,3,20 (2024) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Building-Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 9 and 1,3,20 (2024) Building-Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 9 and 1,3,20 (2024) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 9 and 1,3,20 (2024) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plots 9 and 1,3,20 (2024) Building-Landscaping	Trenchers	2	10.00	39	0.50
Plots 9 and 1,3,20 (2024) Landscaping	Excavators	2	10.00	29	0.38
Plots 9 and 1,3,20 (2024) Landscaping	Forklifts	2	10.00	125	0.20
Plots 9 and 1,3,20 (2024) Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Landscaping	Other Material Handling Equipment	10	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 9 and 1,3,20 (2024) Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 9 and 1,3,20 (2024) Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 9 and 1,3,20 (2024) Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plots 9 and 1,3,20 (2024) Landscaping	Trenchers	2	10.00	39	0.50
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	Other Material Handling Equipment	6	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	Paving Equipment	2	10.00	99	0.36
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	Paving Equipment	2	10.00	131	0.36
Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	2	10.00	55	0.37
Plots 9 and 1,3,20 (2024) Temporary Utilities	Cranes	2	10.00	445	0.29
Plots 9 and 1,3,20 (2024) Interchange	Bore/Drill Rigs	1	10.00	206	0.50
Plots 9 and 1,3,20 (2024) Interchange	Cement and Mortar Mixers	4	1.00	9	0.56
Plots 9 and 1,3,20 (2024) Interchange	Cranes	1	10.00	226	0.29

Plots 9 and 1,3,20 (2024) Interchange	Excavators	1	10.00	190	0.38
Plots 9 and 1,3,20 (2024) Interchange	Graders	1	10.00	259	0.41
Plots 9 and 1,3,20 (2024) Interchange	Other General Industrial Equipment	1	10.00	88	0.34
Plots 9 and 1,3,20 (2024) Interchange	Other Material Handling Equipment	4	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Interchange	Rubber Tired Dozers	1	10.00	410	0.40
Plots 9 and 1,3,20 (2024) Interchange	Rubber Tired Dozers	1	10.00	140	0.40
Plots 9 and 1,3,20 (2024) Interchange	Rubber Tired Loaders	1	10.00	180	0.36
Plots 9 and 1,3,20 (2024) Interchange	Scrapers	1	10.00	330	0.48
Plots 9 and 1,3,20 (2024) Interchange	Tractors/Loaders/Backhoes	1	10.00	98	0.37
Plots 9 and 1,3,20 (2024) Interchange	Tractors/Loaders/Backhoes	1	10.00	90	0.37
Plots 9 and 1,3,20 (2024) Finish Grading	Other Material Handling Equipment	2	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Finish Grading	Other Material Handling Equipment	2	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plots 9 and 1,3,20 (2024) Finish Grading	Rubber Tired Dozers	4	10.00	85	0.40
Plots 9 and 1,3,20 (2024) Finish Grading	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 9 and 1,3,20 (2024) Paving	Other Material Handling Equipment	6	1.00	167	0.40
Plots 9 and 1,3,20 (2024) Paving	Pavers	2	10.00	126	0.42
Plots 9 and 1,3,20 (2024) Paving	Paving Equipment	2	10.00	131	0.36
Plots 9 and 1,3,20 (2024) Paving	Plate Compactors	2	10.00	8	0.43
Plots 9 and 1,3,20 (2024) Paving	Rollers	2	10.00	81	0.38
Plots 9 and 1,3,20 (2024) Paving	Scrapers	2	10.00	362	0.48
Plots 9 and 1,3,20 (2024) Paving	Tractors/Loaders/Backhoes	4	10.00	90	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Plots 2 and 4 (2020) Mass Excavation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.9200	0.0000	7.9200	3.4686	0.0000	3.4686	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.8914	70.5691	38.7521	0.0916		2.6506	2.6506		2.4385	2.4385	0.0000	8,051.7538	8,051.7538	2.6041	0.0000	8,116.8563
Total	**5.8914**	**70.5691**	**38.7521**	**0.0916**	**7.9200**	**2.6506**	**10.5705**	**3.4686**	**2.4385**	**5.9071**	**0.0000**	**8,051.7538**	**8,051.7538**	**2.6041**	**0.0000**	**8,116.8563**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.0888	0.0000	3.0888	1.3528	0.0000	1.3528	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2084	5.7984	41.5774	0.0916		0.1843	0.1843		0.1812	0.1812	0.0000	8,051.7442	8,051.7442	2.6041	0.0000	8,116.8466
Total	**1.2084**	**5.7984**	**41.5774**	**0.0916**	**3.0888**	**0.1843**	**3.2730**	**1.3528**	**0.1812**	**1.5340**	**0.0000**	**8,051.7442**	**8,051.7442**	**2.6041**	**0.0000**	**8,116.8466**

3.3 Plots 2 and 4 (2020) Finish Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Fugitive Dust					4.0134	0.0000	4.0134	2.1756	0.0000	2.1756	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1573	1.5555	1.0791	1.4200e-003		0.0901	0.0901		0.0829	0.0829	0.0000	125.0817	125.0817	0.0405	0.0000	126.0930
Total	**0.1573**	**1.5555**	**1.0791**	**1.4200e-003**	**4.0134**	**0.0901**	**4.1035**	**2.1756**	**0.0829**	**2.2585**	**0.0000**	**125.0817**	**125.0817**	**0.0405**	**0.0000**	**126.0930**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.5652	0.0000	1.5652	0.8485	0.0000	0.8485	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0175	0.0757	1.0772	1.4200e-003		2.3300e-003	2.3300e-003		2.3300e-003	2.3300e-003	0.0000	125.0815	125.0815	0.0405	0.0000	126.0929
Total	**0.0175**	**0.0757**	**1.0772**	**1.4200e-003**	**1.5652**	**2.3300e-003**	**1.5676**	**0.8485**	**2.3300e-003**	**0.8508**	**0.0000**	**125.0815**	**125.0815**	**0.0405**	**0.0000**	**126.0929**

3.4 Plots 2 and 4 (2020) Utilities - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.6603	16.3172	13.5783	0.0375		0.7137	0.7137		0.6568	0.6568	0.0000	3,294.5896	3,294.5896	1.0642	0.0000	3,321.1950
Total	**1.6603**	**16.3172**	**13.5783**	**0.0375**		**0.7137**	**0.7137**		**0.6568**	**0.6568**	**0.0000**	**3,294.5896**	**3,294.5896**	**1.0642**	**0.0000**	**3,321.1950**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4880	2.9127	19.9470	0.0375		0.0631	0.0631		0.0631	0.0631	0.0000	3,294.5857	3,294.5857	1.0642	0.0000	3,321.1911
Total	**0.4880**	**2.9127**	**19.9470**	**0.0375**		**0.0631**	**0.0631**		**0.0631**	**0.0631**	**0.0000**	**3,294.5857**	**3,294.5857**	**1.0642**	**0.0000**	**3,321.1911**

3.5 Plots 2 and 4 (2020) Landscaping - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4988	4.3429	4.7231	6.6000e-003		0.2514	0.2514		0.2313	0.2313	0.0000	579.8987	579.8987	0.1876	0.0000	584.5875
Total	**0.4988**	**4.3429**	**4.7231**	**6.6000e-003**		**0.2514**	**0.2514**		**0.2313**	**0.2313**	**0.0000**	**579.8987**	**579.8987**	**0.1876**	**0.0000**	**584.5875**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1971	1.7549	5.0822	6.6000e-003		0.0499	0.0499		0.0467	0.0467	0.0000	579.8980	579.8980	0.1876	0.0000	584.5868

Total	**0.1971**	**1.7549**	**5.0822**	**6.6000e-003**		**0.0499**	**0.0499**		**0.0467**	**0.0467**	**0.0000**	**579.8980**	**579.8980**	**0.1876**	**0.0000**	**584.5868**

3.6 Plots 2 and 4 (2020) Building Concrete - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2731	2.4463	2.6311	4.1500e-003		0.1460	0.1460		0.1401	0.1401	0.0000	356.6028	356.6028	0.0641	0.0000	358.2045
Total	**0.2731**	**2.4463**	**2.6311**	**4.1500e-003**		**0.1460**	**0.1460**		**0.1401**	**0.1401**	**0.0000**	**356.6028**	**356.6028**	**0.0641**	**0.0000**	**358.2045**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0583	0.2805	2.7806	4.1500e-003		9.3600e-003	9.3600e-003		9.3600e-003	9.3600e-003	0.0000	356.6024	356.6024	0.0641	0.0000	358.2041
Total	**0.0583**	**0.2805**	**2.7806**	**4.1500e-003**		**9.3600e-003**	**9.3600e-003**		**9.3600e-003**	**9.3600e-003**	**0.0000**	**356.6024**	**356.6024**	**0.0641**	**0.0000**	**358.2041**

3.7 Plots 2 and 4 (2020) Building-Wet Utilities - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0400	10.2280	10.2499	0.0182		0.5399	0.5399		0.4967	0.4967	0.0000	1,596.2127	1,596.2127	0.5163	0.0000	1,609.1189
Total	**1.0400**	**10.2280**	**10.2499**	**0.0182**		**0.5399**	**0.5399**		**0.4967**	**0.4967**	**0.0000**	**1,596.2127**	**1,596.2127**	**0.5163**	**0.0000**	**1,609.1189**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2235	0.9684	12.2034	0.0182		0.0298	0.0298		0.0298	0.0298	0.0000	1,596.2108	1,596.2108	0.5163	0.0000	1,609.1170
Total	**0.2235**	**0.9684**	**12.2034**	**0.0182**		**0.0298**	**0.0298**		**0.0298**	**0.0298**	**0.0000**	**1,596.2108**	**1,596.2108**	**0.5163**	**0.0000**	**1,609.1170**

3.8 Plots 2 and 4 (2020) Building-Electrical - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3704	3.2075	3.3966	4.5900e-003		0.2006	0.2006		0.1849	0.1849	0.0000	399.0654	399.0654	0.1264	0.0000	402.2261
Total	**0.3704**	**3.2075**	**3.3966**	**4.5900e-003**		**0.2006**	**0.2006**		**0.1849**	**0.1849**	**0.0000**	**399.0654**	**399.0654**	**0.1264**	**0.0000**	**402.2261**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0788	0.7629	3.4132	4.5900e-003		0.0108	0.0108		0.0108	0.0108	0.0000	399.0649	399.0649	0.1264	0.0000	402.2256
Total	**0.0788**	**0.7629**	**3.4132**	**4.5900e-003**		**0.0108**	**0.0108**		**0.0108**	**0.0108**	**0.0000**	**399.0649**	**399.0649**	**0.1264**	**0.0000**	**402.2256**

3.9 Plots 2 and 4 (2020) Temporary Utilities - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2390	2.8791	1.9831	3.6400e-003		0.1154	0.1154		0.1062	0.1062	0.0000	319.5541	319.5541	0.1034	0.0000	322.1378
Total	**0.2390**	**2.8791**	**1.9831**	**3.6400e-003**		**0.1154**	**0.1154**		**0.1062**	**0.1062**	**0.0000**	**319.5541**	**319.5541**	**0.1034**	**0.0000**	**322.1378**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.0447	0.1938	1.6399	3.6400e-003		5.9600e-003	5.9600e-003		5.9600e-003	5.9600e-003	0.0000	319.5537	319.5537	0.1034	0.0000	322.1374
Total	**0.0447**	**0.1938**	**1.6399**	**3.6400e-003**		**5.9600e-003**	**5.9600e-003**		**5.9600e-003**	**5.9600e-003**	**0.0000**	**319.5537**	**319.5537**	**0.1034**	**0.0000**	**322.1374**

3.10 Plots 2 and 4 (2020) Building-Landscaping - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4404	3.7951	3.9890	5.4700e-003		0.2240	0.2240		0.2061	0.2061	0.0000	480.7236	480.7236	0.1555	0.0000	484.6105
Total	**0.4404**	**3.7951**	**3.9890**	**5.4700e-003**		**0.2240**	**0.2240**		**0.2061**	**0.2061**	**0.0000**	**480.7236**	**480.7236**	**0.1555**	**0.0000**	**484.6105**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1832	1.6948	4.2257	5.4700e-003		0.0480	0.0480		0.0448	0.0448	0.0000	480.7230	480.7230	0.1555	0.0000	484.6099
Total	**0.1832**	**1.6948**	**4.2257**	**5.4700e-003**		**0.0480**	**0.0480**		**0.0448**	**0.0448**	**0.0000**	**480.7230**	**480.7230**	**0.1555**	**0.0000**	**484.6099**

3.11 Plots 2 and 4 (2020) Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.7102	7.7101	6.6024	0.0112		0.3680	0.3680		0.3388	0.3388	0.0000	979.4250	979.4250	0.3145	0.0000	987.2879
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8721**	**7.7101**	**6.6024**	**0.0112**		**0.3680**	**0.3680**		**0.3388**	**0.3388**	**0.0000**	**979.4250**	**979.4250**	**0.3145**	**0.0000**	**987.2879**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1356	0.5876	6.8564	0.0112		0.0181	0.0181		0.0181	0.0181	0.0000	979.4238	979.4238	0.3145	0.0000	987.2867
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2975**	**0.5876**	**6.8564**	**0.0112**		**0.0181**	**0.0181**		**0.0181**	**0.0181**	**0.0000**	**979.4238**	**979.4238**	**0.3145**	**0.0000**	**987.2867**

3.12 Plots 2 and 4 (2020) Curbing/Drive Approaches - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1212	1.1635	1.2773	1.9200e-003		0.0671	0.0671		0.0619	0.0619	0.0000	166.7569	166.7569	0.0526	0.0000	168.0723
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	**0.2831**	**1.1635**	**1.2773**	**1.9200e-003**		**0.0671**	**0.0671**		**0.0619**	**0.0619**	**0.0000**	**166.7569**	**166.7569**	**0.0526**	**0.0000**	**168.0723**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0337	0.2915	1.4282	1.9200e-003		4.8800e-003	4.8800e-003		4.8800e-003	4.8800e-003	0.0000	166.7567	166.7567	0.0526	0.0000	168.0721
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1957**	**0.2915**	**1.4282**	**1.9200e-003**		**4.8800e-003**	**4.8800e-003**		**4.8800e-003**	**4.8800e-003**	**0.0000**	**166.7567**	**166.7567**	**0.0526**	**0.0000**	**168.0721**

3.13 Plot 4 (2021) Mass Excavation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.9665	0.0000	6.9665	2.9218	0.0000	2.9218	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.3549	85.9999	48.4330	0.1140		3.2684	3.2684		3.0070	3.0070	0.0000	10,011.4970	10,011.4970	3.2379	0.0000	10,092.4450
Total	**7.3549**	**85.9999**	**48.4330**	**0.1140**	**6.9665**	**3.2684**	**10.2349**	**2.9218**	**3.0070**	**5.9287**	**0.0000**	**10,011.4970**	**10,011.4970**	**3.2379**	**0.0000**	**10,092.4450**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Fugitive Dust					2.7169	0.0000	2.7169	1.1395	0.0000	1.1395	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5445	7.5492	51.6333	0.1140		0.2424	0.2424		0.2374	0.2374	0.0000	10,011.4851	10,011.4851	3.2379	0.0000	10,092.4330
Total	**1.5445**	**7.5492**	**51.6333**	**0.1140**	**2.7169**	**0.2424**	**2.9593**	**1.1395**	**0.2374**	**1.3769**	**0.0000**	**10,011.4851**	**10,011.4851**	**3.2379**	**0.0000**	**10,092.4330**

3.14 Plot 4 (2021) Finish Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.9983	0.0000	3.9983	2.1674	0.0000	2.1674	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1477	1.4514	1.0659	1.4200e-003		0.0826	0.0826		0.0760	0.0760	0.0000	124.6160	124.6160	0.0403	0.0000	125.6236
Total	**0.1477**	**1.4514**	**1.0659**	**1.4200e-003**	**3.9983**	**0.0826**	**4.0809**	**2.1674**	**0.0760**	**2.2434**	**0.0000**	**124.6160**	**124.6160**	**0.0403**	**0.0000**	**125.6236**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.5594	0.0000	1.5594	0.8453	0.0000	0.8453	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0174	0.0754	1.0731	1.4200e-003		2.3200e-003	2.3200e-003		2.3200e-003	2.3200e-003	0.0000	124.6159	124.6159	0.0403	0.0000	125.6234
Total	**0.0174**	**0.0754**	**1.0731**	**1.4200e-003**	**1.5594**	**2.3200e-003**	**1.5617**	**0.8453**	**2.3200e-003**	**0.8476**	**0.0000**	**124.6159**	**124.6159**	**0.0403**	**0.0000**	**125.6234**

3.15 Plot 4 (2021) Utilities - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.7791	16.5879	15.3130	0.0453		0.6969	0.6969		0.6413	0.6413	0.0000	3,971.5073	3,971.5073	1.2832	0.0000	4,003.5861
Total	**1.7791**	**16.5879**	**15.3130**	**0.0453**		**0.6969**	**0.6969**		**0.6413**	**0.6413**	**0.0000**	**3,971.5073**	**3,971.5073**	**1.2832**	**0.0000**	**4,003.5861**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5834	3.3231	23.5236	0.0453		0.0758	0.0758		0.0758	0.0758	0.0000	3,971.5026	3,971.5026	1.2832	0.0000	4,003.5814
Total	**0.5834**	**3.3231**	**23.5236**	**0.0453**		**0.0758**	**0.0758**		**0.0758**	**0.0758**	**0.0000**	**3,971.5026**	**3,971.5026**	**1.2832**	**0.0000**	**4,003.5814**

3.16 Plot 4 (2021) Building-Concrete - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4459	4.1832	4.9151	7.3800e-003		0.2385	0.2385		0.2246	0.2246	0.0000	636.4438	636.4438	0.1513	0.0000	640.2271

Total	**0.4459**	**4.1832**	**4.9151**	**7.3800e-003**		**0.2385**	**0.2385**		**0.2246**	**0.2246**	**0.0000**	**636.4438**	**636.4438**	**0.1513**	**0.0000**	**640.2271**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1100	0.5323	5.1613	7.3800e-003		0.0178	0.0178		0.0178	0.0178	0.0000	636.4430	636.4430	0.1513	0.0000	640.2263
Total	**0.1100**	**0.5323**	**5.1613**	**7.3800e-003**		**0.0178**	**0.0178**		**0.0178**	**0.0178**	**0.0000**	**636.4430**	**636.4430**	**0.1513**	**0.0000**	**640.2263**

3.17 Plot 4 (2021) Building-Wet Utilities - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.9781	9.3473	10.5086	0.0186		0.4839	0.4839		0.4452	0.4452	0.0000	1,632.0252	1,632.0252	0.5278	0.0000	1,645.2209
Total	**0.9781**	**9.3473**	**10.5086**	**0.0186**		**0.4839**	**0.4839**		**0.4452**	**0.4452**	**0.0000**	**1,632.0252**	**1,632.0252**	**0.5278**	**0.0000**	**1,645.2209**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2285	0.9901	12.5191	0.0186		0.0305	0.0305		0.0305	0.0305	0.0000	1,632.0232	1,632.0232	0.5278	0.0000	1,645.2190
Total	**0.2285**	**0.9901**	**12.5191**	**0.0186**		**0.0305**	**0.0305**		**0.0305**	**0.0305**	**0.0000**	**1,632.0232**	**1,632.0232**	**0.5278**	**0.0000**	**1,645.2190**

3.18 Plot 4 (2021) Building-Electrical - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6597	5.7195	6.5929	8.8400e-003		0.3293	0.3293		0.3033	0.3033	0.0000	772.0587	772.0587	0.2467	0.0000	778.2273
Total	**0.6597**	**5.7195**	**6.5929**	**8.8400e-003**		**0.3293**	**0.3293**		**0.3033**	**0.3033**	**0.0000**	**772.0587**	**772.0587**	**0.2467**	**0.0000**	**778.2273**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1464	1.6430	6.6129	8.8400e-003		0.0179	0.0179		0.0179	0.0179	0.0000	772.0578	772.0578	0.2467	0.0000	778.2264
Total	**0.1464**	**1.6430**	**6.6129**	**8.8400e-003**		**0.0179**	**0.0179**		**0.0179**	**0.0179**	**0.0000**	**772.0578**	**772.0578**	**0.2467**	**0.0000**	**778.2264**

3.19 Plot 4 (2021) Building-Landscaping - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4324	3.7441	4.3657	6.1100e-003		0.2095	0.2095		0.1927	0.1927	0.0000	536.5452	536.5452	0.1735	0.0000	540.8835
Total	**0.4324**	**3.7441**	**4.3657**	**6.1100e-003**		**0.2095**	**0.2095**		**0.1927**	**0.1927**	**0.0000**	**536.5452**	**536.5452**	**0.1735**	**0.0000**	**540.8835**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1799	1.6988	4.6885	6.1100e-003		0.0441	0.0441		0.0413	0.0413	0.0000	536.5446	536.5446	0.1735	0.0000	540.8828
Total	**0.1799**	**1.6988**	**4.6885**	**6.1100e-003**		**0.0441**	**0.0441**		**0.0413**	**0.0413**	**0.0000**	**536.5446**	**536.5446**	**0.1735**	**0.0000**	**540.8828**

3.20 Plot 4 (2021) Landscaping - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.4563	3.9600	4.6728	6.5700e-003		0.2204	0.2204		0.2028	0.2028	0.0000	577.7105	577.7105	0.1868	0.0000	582.3816
Total	**0.4563**	**3.9600**	**4.6728**	**6.5700e-003**		**0.2204**	**0.2204**		**0.2028**	**0.2028**	**0.0000**	**577.7105**	**577.7105**	**0.1868**	**0.0000**	**582.3816**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1856	1.7238	5.0441	6.5700e-003		0.0449	0.0449		0.0421	0.0421	0.0000	577.7098	577.7098	0.1868	0.0000	582.3809
Total	**0.1856**	**1.7238**	**5.0441**	**6.5700e-003**		**0.0449**	**0.0449**		**0.0421**	**0.0421**	**0.0000**	**577.7098**	**577.7098**	**0.1868**	**0.0000**	**582.3809**

3.21 Plot 4 (2021) Temporary Utilities - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2193	2.5563	1.8180	3.6200e-003		0.1029	0.1029		0.0946	0.0946	0.0000	318.2653	318.2653	0.1029	0.0000	320.8386
Total	**0.2193**	**2.5563**	**1.8180**	**3.6200e-003**		**0.1029**	**0.1029**		**0.0946**	**0.0946**	**0.0000**	**318.2653**	**318.2653**	**0.1029**	**0.0000**	**320.8386**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0446	0.1931	1.6336	3.6200e-003		5.9400e-003	5.9400e-003		5.9400e-003	5.9400e-003	0.0000	318.2649	318.2649	0.1029	0.0000	320.8382
Total	**0.0446**	**0.1931**	**1.6336**	**3.6200e-003**		**5.9400e-003**	**5.9400e-003**		**5.9400e-003**	**5.9400e-003**	**0.0000**	**318.2649**	**318.2649**	**0.1029**	**0.0000**	**320.8382**

3.22 Plot 4 (2021) Curbing/Drive Approaches - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1116	1.0640	1.2708	1.9200e-003		0.0589	0.0589		0.0544	0.0544	0.0000	166.1111	166.1111	0.0524	0.0000	167.4214
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2735**	**1.0640**	**1.2708**	**1.9200e-003**		**0.0589**	**0.0589**		**0.0544**	**0.0544**	**0.0000**	**166.1111**	**166.1111**	**0.0524**	**0.0000**	**167.4214**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0336	0.2904	1.4227	1.9200e-003		4.8600e-003	4.8600e-003		4.8600e-003	4.8600e-003	0.0000	166.1109	166.1109	0.0524	0.0000	167.4212
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	**0.1955**	**0.2904**	**1.4227**	**1.9200e-003**		**4.8600e-003**	**4.8600e-003**		**4.8600e-003**	**4.8600e-003**	**0.0000**	**166.1109**	**166.1109**	**0.0524**	**0.0000**	**167.4212**

3.23 Plot 4 (2021) Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6569	7.0174	6.4223	0.0112		0.3275	0.3275		0.3016	0.3016	0.0000	975.9455	975.9455	0.3134	0.0000	983.7805
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.8188**	**7.0174**	**6.4223**	**0.0112**		**0.3275**	**0.3275**		**0.3016**	**0.3016**	**0.0000**	**975.9455**	**975.9455**	**0.3134**	**0.0000**	**983.7805**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1351	0.5854	6.8302	0.0112		0.0180	0.0180		0.0180	0.0180	0.0000	975.9444	975.9444	0.3134	0.0000	983.7793
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2970**	**0.5854**	**6.8302**	**0.0112**		**0.0180**	**0.0180**		**0.0180**	**0.0180**	**0.0000**	**975.9444**	**975.9444**	**0.3134**	**0.0000**	**983.7793**

3.24 Plots 4 and 9 (2022) Mass Excavation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Fugitive Dust					12.4544	0.0000	12.4544	5.2350	0.0000	5.2350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6545	88.1925	50.8485	0.1223		3.3425	3.3425		3.0751	3.0751	0.0000	10,742.1781	10,742.1781	3.4742	0.0000	10,829.0341
Total	**7.6545**	**88.1925**	**50.8485**	**0.1223**	**12.4544**	**3.3425**	**15.7969**	**5.2350**	**3.0751**	**8.3101**	**0.0000**	**10,742.1781**	**10,742.1781**	**3.4742**	**0.0000**	**10,829.0341**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.8572	0.0000	4.8572	2.0417	0.0000	2.0417	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6215	7.5841	55.3158	0.1223		0.2406	0.2406		0.2368	0.2368	0.0000	10,742.1653	10,742.1653	3.4742	0.0000	10,829.0212
Total	**1.6215**	**7.5841**	**55.3158**	**0.1223**	**4.8572**	**0.2406**	**5.0978**	**2.0417**	**0.2368**	**2.2785**	**0.0000**	**10,742.1653**	**10,742.1653**	**3.4742**	**0.0000**	**10,829.0212**

3.25 Plots 4 and 9 (2022) Finish Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.0094	0.0000	6.0094	3.2424	0.0000	3.2424	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4769	4.7492	4.3789	6.3500e-003		0.2561	0.2561		0.2356	0.2356	0.0000	558.3932	558.3932	0.1806	0.0000	562.9081
Total	**0.4769**	**4.7492**	**4.3789**	**6.3500e-003**	**6.0094**	**0.2561**	**6.2655**	**3.2424**	**0.2356**	**3.4780**	**0.0000**	**558.3932**	**558.3932**	**0.1806**	**0.0000**	**562.9081**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3437	0.0000	2.3437	1.2645	0.0000	1.2645	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2674	2.5381	4.3919	6.3500e-003		0.1296	0.1296		0.1196	0.1196	0.0000	558.3926	558.3926	0.1806	0.0000	562.9074
Total	**0.2674**	**2.5381**	**4.3919**	**6.3500e-003**	**2.3437**	**0.1296**	**2.4733**	**1.2645**	**0.1196**	**1.3841**	**0.0000**	**558.3926**	**558.3926**	**0.1806**	**0.0000**	**562.9074**

3.26 Plots 4 and 9 (2022) Utilities - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.5796	13.6776	14.9871	0.0451		0.5651	0.5651		0.5200	0.5200	0.0000	3,957.2001	3,957.2001	1.2785	0.0000	3,989.1633
Total	**1.5796**	**13.6776**	**14.9871**	**0.0451**		**0.5651**	**0.5651**		**0.5200**	**0.5200**	**0.0000**	**3,957.2001**	**3,957.2001**	**1.2785**	**0.0000**	**3,989.1633**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5812	3.3103	23.4335	0.0451		0.0755	0.0755		0.0755	0.0755	0.0000	3,957.1954	3,957.1954	1.2785	0.0000	3,989.1586

Total	**0.5812**	**3.3103**	**23.4335**	**0.0451**		**0.0755**	**0.0755**		**0.0755**	**0.0755**	**0.0000**	**3,957.1954**	**3,957.1954**	**1.2785**	**0.0000**	**3,989.1586**

3.27 Plots 4 and 9 (2022) Building-Concrete - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4000	3.7433	4.8591	7.3600e-003		0.1974	0.1974		0.1862	0.1862	0.0000	634.4685	634.4685	0.1503	0.0000	638.2249
Total	**0.4000**	**3.7433**	**4.8591**	**7.3600e-003**		**0.1974**	**0.1974**		**0.1862**	**0.1862**	**0.0000**	**634.4685**	**634.4685**	**0.1503**	**0.0000**	**638.2249**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1096	0.5302	5.1416	7.3600e-003		0.0178	0.0178		0.0178	0.0178	0.0000	634.4677	634.4677	0.1503	0.0000	638.2241
Total	**0.1096**	**0.5302**	**5.1416**	**7.3600e-003**		**0.0178**	**0.0178**		**0.0178**	**0.0178**	**0.0000**	**634.4677**	**634.4677**	**0.1503**	**0.0000**	**638.2241**

3.28 Plots 4 and 9 (2022) Building-Wet Utilities - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.8284	7.5391	10.0008	0.0180		0.3768	0.3768		0.3467	0.3467	0.0000	1,584.1659	1,584.1659	0.5124	0.0000	1,596.9747
Total	**0.8284**	**7.5391**	**10.0008**	**0.0180**		**0.3768**	**0.3768**		**0.3467**	**0.3467**	**0.0000**	**1,584.1659**	**1,584.1659**	**0.5124**	**0.0000**	**1,596.9747**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2218	0.9610	12.1102	0.0180		0.0296	0.0296		0.0296	0.0296	0.0000	1,584.1640	1,584.1640	0.5124	0.0000	1,596.9728
Total	**0.2218**	**0.9610**	**12.1102**	**0.0180**		**0.0296**	**0.0296**		**0.0296**	**0.0296**	**0.0000**	**1,584.1640**	**1,584.1640**	**0.5124**	**0.0000**	**1,596.9728**

3.29 Plots 4 and 9 (2022) Building-Electrical - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5735	5.1494	6.4409	8.8100e-003		0.2668	0.2668		0.2458	0.2458	0.0000	769.5916	769.5916	0.2460	0.0000	775.7405
Total	**0.5735**	**5.1494**	**6.4409**	**8.8100e-003**		**0.2668**	**0.2668**		**0.2458**	**0.2458**	**0.0000**	**769.5916**	**769.5916**	**0.2460**	**0.0000**	**775.7405**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1459	1.6367	6.5876	8.8100e-003		0.0179	0.0179		0.0179	0.0179	0.0000	769.5907	769.5907	0.2460	0.0000	775.7396
Total	**0.1459**	**1.6367**	**6.5876**	**8.8100e-003**		**0.0179**	**0.0179**		**0.0179**	**0.0179**	**0.0000**	**769.5907**	**769.5907**	**0.2460**	**0.0000**	**775.7396**

3.30 Plots 4 and 9 (2022) Building-Landscaping - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3826	3.2986	4.3457	6.1800e-003		0.1748	0.1748		0.1609	0.1609	0.0000	542.8691	542.8691	0.1756	0.0000	547.2585
Total	**0.3826**	**3.2986**	**4.3457**	**6.1800e-003**		**0.1748**	**0.1748**		**0.1609**	**0.1609**	**0.0000**	**542.8691**	**542.8691**	**0.1756**	**0.0000**	**547.2585**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.1706	1.6761	4.7249	6.1800e-003		0.0399	0.0399		0.0374	0.0374	0.0000	542.8685	542.8685	0.1756	0.0000	547.2579
Total	**0.1706**	**1.6761**	**4.7249**	**6.1800e-003**		**0.0399**	**0.0399**		**0.0374**	**0.0374**	**0.0000**	**542.8685**	**542.8685**	**0.1756**	**0.0000**	**547.2579**

3.31 Plots 4 and 9 (2022) Landscaping - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3998	3.4437	4.5889	6.5500e-003		0.1827	0.1827		0.1681	0.1681	0.0000	575.6752	575.6752	0.1862	0.0000	580.3298
Total	**0.3998**	**3.4437**	**4.5889**	**6.5500e-003**		**0.1827**	**0.1827**		**0.1681**	**0.1681**	**0.0000**	**575.6752**	**575.6752**	**0.1862**	**0.0000**	**580.3298**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1752	1.6960	5.0083	6.5500e-003		0.0405	0.0405		0.0380	0.0380	0.0000	575.6745	575.6745	0.1862	0.0000	580.3291
Total	**0.1752**	**1.6960**	**5.0083**	**6.5500e-003**		**0.0405**	**0.0405**		**0.0380**	**0.0380**	**0.0000**	**575.6745**	**575.6745**	**0.1862**	**0.0000**	**580.3291**

3.32 Plots 4 and 9 (2022) Temporary Utilities - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1930	2.1405	1.6363	3.6100e-003		0.0868	0.0868		0.0798	0.0798	0.0000	316.8615	316.8615	0.1025	0.0000	319.4235
Total	**0.1930**	**2.1405**	**1.6363**	**3.6100e-003**		**0.0868**	**0.0868**		**0.0798**	**0.0798**	**0.0000**	**316.8615**	**316.8615**	**0.1025**	**0.0000**	**319.4235**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0444	0.1923	1.6274	3.6100e-003		5.9200e-003	5.9200e-003		5.9200e-003	5.9200e-003	0.0000	316.8612	316.8612	0.1025	0.0000	319.4232
Total	**0.0444**	**0.1923**	**1.6274**	**3.6100e-003**		**5.9200e-003**	**5.9200e-003**		**5.9200e-003**	**5.9200e-003**	**0.0000**	**316.8612**	**316.8612**	**0.1025**	**0.0000**	**319.4232**

3.33 Plots 4 and 9 (2022) Curbing/Drive Approaches - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0990	0.9339	1.2577	1.9100e-003		0.0492	0.0492		0.0454	0.0454	0.0000	165.5259	165.5259	0.0522	0.0000	166.8316
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	**0.2609**	**0.9339**	**1.2577**	**1.9100e-003**		**0.0492**	**0.0492**		**0.0454**	**0.0454**	**0.0000**	**165.5259**	**165.5259**	**0.0522**	**0.0000**	**166.8316**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0335	0.2893	1.4173	1.9100e-003		4.8400e-003	4.8400e-003		4.8400e-003	4.8400e-003	0.0000	165.5257	165.5257	0.0522	0.0000	166.8314
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1954**	**0.2893**	**1.4173**	**1.9100e-003**		**4.8400e-003**	**4.8400e-003**		**4.8400e-003**	**4.8400e-003**	**0.0000**	**165.5257**	**165.5257**	**0.0522**	**0.0000**	**166.8314**

3.34 Plots 4 and 9 (2022) Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5783	5.9664	6.1686	0.0111		0.2727	0.2727		0.2512	0.2512	0.0000	973.1490	973.1490	0.3125	0.0000	980.9616
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.7402**	**5.9664**	**6.1686**	**0.0111**		**0.2727**	**0.2727**		**0.2512**	**0.2512**	**0.0000**	**973.1490**	**973.1490**	**0.3125**	**0.0000**	**980.9616**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Off-Road	0.1346	0.5831	6.8040	0.0111		0.0179	0.0179		0.0179	0.0179	0.0000	973.1479	973.1479	0.3125	0.0000	980.9604
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2965**	**0.5831**	**6.8040**	**0.0111**		**0.0179**	**0.0179**		**0.0179**	**0.0179**	**0.0000**	**973.1479**	**973.1479**	**0.3125**	**0.0000**	**980.9604**

3.35 Plot 9 (2023) Mass Excavation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					15.0253	0.0000	15.0253	5.9449	0.0000	5.9449	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8258	76.0022	46.6912	0.1132		2.9127	2.9127		2.6797	2.6797	0.0000	9,943.8552	9,943.8552	3.2160	0.0000	10,024.2563
Total	**6.8258**	**76.0022**	**46.6912**	**0.1132**	**15.0253**	**2.9127**	**17.9380**	**5.9449**	**2.6797**	**8.6246**	**0.0000**	**9,943.8552**	**9,943.8552**	**3.2160**	**0.0000**	**10,024.2563**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.8599	0.0000	5.8599	2.3185	0.0000	2.3185	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5018	6.9556	51.1947	0.1132		0.2202	0.2202		0.2169	0.2169	0.0000	9,943.8433	9,943.8433	3.2160	0.0000	10,024.2443
Total	**1.5018**	**6.9556**	**51.1947**	**0.1132**	**5.8599**	**0.2202**	**6.0801**	**2.3185**	**0.2169**	**2.5354**	**0.0000**	**9,943.8433**	**9,943.8433**	**3.2160**	**0.0000**	**10,024.2443**

3.36 Plot 9 (2023) Finish Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.0783	0.0000	6.0783	3.2498	0.0000	3.2498	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2485	2.3885	2.0873	2.8300e-003		0.1303	0.1303		0.1199	0.1199	0.0000	248.7215	248.7215	0.0804	0.0000	250.7325
Total	**0.2485**	**2.3885**	**2.0873**	**2.8300e-003**	**6.0783**	**0.1303**	**6.2087**	**3.2498**	**0.1199**	**3.3697**	**0.0000**	**248.7215**	**248.7215**	**0.0804**	**0.0000**	**250.7325**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3706	0.0000	2.3706	1.2674	0.0000	1.2674	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0347	0.1502	2.1380	2.8300e-003		4.6200e-003	4.6200e-003		4.6200e-003	4.6200e-003	0.0000	248.7212	248.7212	0.0804	0.0000	250.7322
Total	**0.0347**	**0.1502**	**2.1380**	**2.8300e-003**	**2.3706**	**4.6200e-003**	**2.3752**	**1.2674**	**4.6200e-003**	**1.2720**	**0.0000**	**248.7212**	**248.7212**	**0.0804**	**0.0000**	**250.7322**

3.37 Plot 9 (2023) Utilities - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.4948	12.2330	14.8889	0.0451		0.4932	0.4932		0.4539	0.4539	0.0000	3,958.0013	3,958.0013	1.2788	0.0000	3,989.9710

Total	**1.4948**	**12.2330**	**14.8889**	**0.0451**		**0.4932**	**0.4932**		**0.4539**	**0.4539**	**0.0000**	**3,958.0013**	**3,958.0013**	**1.2788**	**0.0000**	**3,989.9710**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5812	3.3103	23.4335	0.0451		0.0755	0.0755		0.0755	0.0755	0.0000	3,957.9966	3,957.9966	1.2788	0.0000	3,989.9663
Total	**0.5812**	**3.3103**	**23.4335**	**0.0451**		**0.0755**	**0.0755**		**0.0755**	**0.0755**	**0.0000**	**3,957.9966**	**3,957.9966**	**1.2788**	**0.0000**	**3,989.9663**

3.38 Plot 9 (2023) Building-Concrete - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3717	3.4573	4.8467	7.3700e-003		0.1688	0.1688		0.1593	0.1593	0.0000	634.9302	634.9302	0.1494	0.0000	638.6661
Total	**0.3717**	**3.4573**	**4.8467**	**7.3700e-003**		**0.1688**	**0.1688**		**0.1593**	**0.1593**	**0.0000**	**634.9302**	**634.9302**	**0.1494**	**0.0000**	**638.6661**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1096	0.5302	5.1415	7.3700e-003		0.0178	0.0178		0.0178	0.0178	0.0000	634.9294	634.9294	0.1494	0.0000	638.6653
Total	**0.1096**	**0.5302**	**5.1415**	**7.3700e-003**		**0.0178**	**0.0178**		**0.0178**	**0.0178**	**0.0000**	**634.9294**	**634.9294**	**0.1494**	**0.0000**	**638.6653**

3.39 Plot 9 (2023) Building-Wet Utilities - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.7684	6.7223	9.9722	0.0181		0.3255	0.3255		0.2994	0.2994	0.0000	1,584.6405	1,584.6405	0.5125	0.0000	1,597.4531
Total	**0.7684**	**6.7223**	**9.9722**	**0.0181**		**0.3255**	**0.3255**		**0.2994**	**0.2994**	**0.0000**	**1,584.6405**	**1,584.6405**	**0.5125**	**0.0000**	**1,597.4531**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2218	0.9610	12.1102	0.0181		0.0296	0.0296		0.0296	0.0296	0.0000	1,584.6386	1,584.6386	0.5125	0.0000	1,597.4512
Total	**0.2218**	**0.9610**	**12.1102**	**0.0181**		**0.0296**	**0.0296**		**0.0296**	**0.0296**	**0.0000**	**1,584.6386**	**1,584.6386**	**0.5125**	**0.0000**	**1,597.4512**

3.40 Plot 9 (2023) Building-Electrical - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5331	4.8156	6.4072	8.8200e-003		0.2288	0.2288		0.2108	0.2108	0.0000	770.0461	770.0461	0.2461	0.0000	776.1987
Total	**0.5331**	**4.8156**	**6.4072**	**8.8200e-003**		**0.2288**	**0.2288**		**0.2108**	**0.2108**	**0.0000**	**770.0461**	**770.0461**	**0.2461**	**0.0000**	**776.1987**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1459	1.6367	6.5875	8.8200e-003		0.0179	0.0179		0.0179	0.0179	0.0000	770.0452	770.0452	0.2461	0.0000	776.1978
Total	**0.1459**	**1.6367**	**6.5875**	**8.8200e-003**		**0.0179**	**0.0179**		**0.0179**	**0.0179**	**0.0000**	**770.0452**	**770.0452**	**0.2461**	**0.0000**	**776.1978**

3.41 Plot 9 (2023) Building-Landscaping - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.3501	2.9935	4.3086	6.1800e-003		0.1485	0.1485		0.1366	0.1366	0.0000	542.9853	542.9853	0.1756	0.0000	547.3756
Total	**0.3501**	**2.9935**	**4.3086**	**6.1800e-003**		**0.1485**	**0.1485**		**0.1366**	**0.1366**	**0.0000**	**542.9853**	**542.9853**	**0.1756**	**0.0000**	**547.3756**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1616	1.6414	4.7007	6.1800e-003		0.0337	0.0337		0.0317	0.0317	0.0000	542.9846	542.9846	0.1756	0.0000	547.3749
Total	**0.1616**	**1.6414**	**4.7007**	**6.1800e-003**		**0.0337**	**0.0337**		**0.0317**	**0.0317**	**0.0000**	**542.9846**	**542.9846**	**0.1756**	**0.0000**	**547.3749**

3.42 Plot 9 (2023) Interchange - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.7645	7.4554	5.9762	0.0129		0.3276	0.3276		0.3015	0.3015	0.0000	1,131.0631	1,131.0631	0.3652	0.0000	1,140.1920
Total	**0.7645**	**7.4554**	**5.9762**	**0.0129**		**0.3276**	**0.3276**		**0.3015**	**0.3015**	**0.0000**	**1,131.0631**	**1,131.0631**	**0.3652**	**0.0000**	**1,140.1920**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1614	0.7068	6.5810	0.0129		0.0219	0.0219		0.0219	0.0219	0.0000	1,131.0618	1,131.0618	0.3652	0.0000	1,140.1906
Total	**0.1614**	**0.7068**	**6.5810**	**0.0129**		**0.0219**	**0.0219**		**0.0219**	**0.0219**	**0.0000**	**1,131.0618**	**1,131.0618**	**0.3652**	**0.0000**	**1,140.1906**

3.43 Plot 9 (2023) Landscaping - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3667	3.1290	4.5514	6.5500e-003		0.1559	0.1559		0.1434	0.1434	0.0000	575.7913	575.7913	0.1862	0.0000	580.4468
Total	**0.3667**	**3.1290**	**4.5514**	**6.5500e-003**		**0.1559**	**0.1559**		**0.1434**	**0.1434**	**0.0000**	**575.7913**	**575.7913**	**0.1862**	**0.0000**	**580.4468**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1662	1.6613	4.9840	6.5500e-003		0.0343	0.0343		0.0323	0.0323	0.0000	575.7906	575.7906	0.1862	0.0000	580.4462

Total	**0.1662**	**1.6613**	**4.9840**	**6.5500e-003**		**0.0343**	**0.0343**		**0.0323**	**0.0323**	**0.0000**	**575.7906**	**575.7906**	**0.1862**	**0.0000**	**580.4462**

3.44 Plot 9 (2023) Temporary Utilities - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1748	1.8571	1.4868	3.6100e-003		0.0751	0.0751		0.0691	0.0691	0.0000	316.9376	316.9376	0.1025	0.0000	319.5002
Total	**0.1748**	**1.8571**	**1.4868**	**3.6100e-003**		**0.0751**	**0.0751**		**0.0691**	**0.0691**	**0.0000**	**316.9376**	**316.9376**	**0.1025**	**0.0000**	**319.5002**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0444	0.1923	1.6274	3.6100e-003		5.9200e-003	5.9200e-003		5.9200e-003	5.9200e-003	0.0000	316.9372	316.9372	0.1025	0.0000	319.4998
Total	**0.0444**	**0.1923**	**1.6274**	**3.6100e-003**		**5.9200e-003**	**5.9200e-003**		**5.9200e-003**	**5.9200e-003**	**0.0000**	**316.9372**	**316.9372**	**0.1025**	**0.0000**	**319.4998**

3.45 Plot 9 (2023) Curbing/Drive Approaches - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1025	0.9409	1.3801	2.1000e-003		0.0480	0.0480		0.0443	0.0443	0.0000	181.9550	181.9550	0.0575	0.0000	183.3935
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2644**	**0.9409**	**1.3801**	**2.1000e-003**		**0.0480**	**0.0480**		**0.0443**	**0.0443**	**0.0000**	**181.9550**	**181.9550**	**0.0575**	**0.0000**	**183.3935**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0358	0.2992	1.5589	2.1000e-003		5.1400e-003	5.1400e-003		5.1400e-003	5.1400e-003	0.0000	181.9548	181.9548	0.0575	0.0000	183.3933
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1977**	**0.2992**	**1.5589**	**2.1000e-003**		**5.1400e-003**	**5.1400e-003**		**5.1400e-003**	**5.1400e-003**	**0.0000**	**181.9548**	**181.9548**	**0.0575**	**0.0000**	**183.3933**

3.46 Plot 9 (2023) Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5476	5.5064	6.0880	0.0111		0.2462	0.2462		0.2268	0.2268	0.0000	973.2748	973.2748	0.3125	0.0000	981.0884
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.7095**	**5.5064**	**6.0880**	**0.0111**		**0.2462**	**0.2462**		**0.2268**	**0.2268**	**0.0000**	**973.2748**	**973.2748**	**0.3125**	**0.0000**	**981.0884**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1346	0.5831	6.8040	0.0111		0.0179	0.0179		0.0179	0.0179	0.0000	973.2737	973.2737	0.3125	0.0000	981.0873
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2965**	**0.5831**	**6.8040**	**0.0111**		**0.0179**	**0.0179**		**0.0179**	**0.0179**	**0.0000**	**973.2737**	**973.2737**	**0.3125**	**0.0000**	**981.0873**

3.47 Plots 9 and 1,3,20 (2024) Mass Excavation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.3198	0.0000	9.3198	3.6198	0.0000	3.6198	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1373	54.3840	35.5671	0.0963		2.0816	2.0816		1.9151	1.9151	0.0000	8,459.7353	8,459.7353	2.7361	0.0000	8,528.1365
Total	**5.1373**	**54.3840**	**35.5671**	**0.0963**	**9.3198**	**2.0816**	**11.4015**	**3.6198**	**1.9151**	**5.5348**	**0.0000**	**8,459.7353**	**8,459.7353**	**2.7361**	**0.0000**	**8,528.1365**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Fugitive Dust					3.6347	0.0000	3.6347	1.4117	0.0000	1.4117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2935	5.9878	43.5957	0.0963		0.1899	0.1899		0.1868	0.1868	0.0000	8,459.7252	8,459.7252	2.7361	0.0000	8,528.1264
Total	**1.2935**	**5.9878**	**43.5957**	**0.0963**	**3.6347**	**0.1899**	**3.8247**	**1.4117**	**0.1868**	**1.5985**	**0.0000**	**8,459.7252**	**8,459.7252**	**2.7361**	**0.0000**	**8,528.1264**

3.48 Plots 9 and 1,3,20 (2024) Finish Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.0685	0.0000	5.0685	2.7251	0.0000	2.7251	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1435	1.3531	1.4849	2.0600e-003		0.0711	0.0711		0.0654	0.0654	0.0000	181.0968	181.0968	0.0586	0.0000	182.5611
Total	**0.1435**	**1.3531**	**1.4849**	**2.0600e-003**	**5.0685**	**0.0711**	**5.1395**	**2.7251**	**0.0654**	**2.7905**	**0.0000**	**181.0968**	**181.0968**	**0.0586**	**0.0000**	**182.5611**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.9767	0.0000	1.9767	1.0628	0.0000	1.0628	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0252	0.1094	1.5561	2.0600e-003		3.3600e-003	3.3600e-003		3.3600e-003	3.3600e-003	0.0000	181.0966	181.0966	0.0586	0.0000	182.5609
Total	**0.0252**	**0.1094**	**1.5561**	**2.0600e-003**	**1.9767**	**3.3600e-003**	**1.9801**	**1.0628**	**3.3600e-003**	**1.0662**	**0.0000**	**181.0966**	**181.0966**	**0.0586**	**0.0000**	**182.5609**

3.49 Plots 9 and 1,3,20 (2024) Utilities - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.4713	11.6239	15.1405	0.0456		0.4559	0.4559		0.4196	0.4196	0.0000	4,004.8487	4,004.8487	1.2939	0.0000	4,037.1970
Total	**1.4713**	**11.6239**	**15.1405**	**0.0456**		**0.4559**	**0.4559**		**0.4196**	**0.4196**	**0.0000**	**4,004.8487**	**4,004.8487**	**1.2939**	**0.0000**	**4,037.1970**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5880	3.3458	23.7565	0.0456		0.0764	0.0764		0.0764	0.0764	0.0000	4,004.8440	4,004.8440	1.2939	0.0000	4,037.1922
Total	**0.5880**	**3.3458**	**23.7565**	**0.0456**		**0.0764**	**0.0764**		**0.0764**	**0.0764**	**0.0000**	**4,004.8440**	**4,004.8440**	**1.2939**	**0.0000**	**4,037.1922**

3.50 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3558	3.2889	4.8891	7.4300e-003		0.1498	0.1498		0.1415	0.1415	0.0000	640.0764	640.0764	0.1504	0.0000	643.8351

Total	**0.3558**	**3.2889**	**4.8891**	**7.4300e-003**		**0.1498**	**0.1498**		**0.1415**	**0.1415**	**0.0000**	**640.0764**	**640.0764**	**0.1504**	**0.0000**	**643.8351**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1104	0.5343	5.1811	7.4300e-003		0.0179	0.0179		0.0179	0.0179	0.0000	640.0757	640.0757	0.1504	0.0000	643.8343
Total	**0.1104**	**0.5343**	**5.1811**	**7.4300e-003**		**0.0179**	**0.0179**		**0.0179**	**0.0179**	**0.0000**	**640.0757**	**640.0757**	**0.1504**	**0.0000**	**643.8343**

3.51 Plots 9 and 1,3,20 (2024) Building-Wet Utilities - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.7325	6.1616	10.0601	0.0182		0.2893	0.2893		0.2662	0.2662	0.0000	1,596.8837	1,596.8837	0.5165	0.0000	1,609.7953
Total	**0.7325**	**6.1616**	**10.0601**	**0.0182**		**0.2893**	**0.2893**		**0.2662**	**0.2662**	**0.0000**	**1,596.8837**	**1,596.8837**	**0.5165**	**0.0000**	**1,609.7953**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2235	0.9684	12.2034	0.0182		0.0298	0.0298		0.0298	0.0298	0.0000	1,596.8818	1,596.8818	0.5165	0.0000	1,609.7934
Total	**0.2235**	**0.9684**	**12.2034**	**0.0182**		**0.0298**	**0.0298**		**0.0298**	**0.0298**	**0.0000**	**1,596.8818**	**1,596.8818**	**0.5165**	**0.0000**	**1,609.7934**

3.52 Plots 9 and 1,3,20 (2024) Building-Electrical - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4989	4.5811	6.4177	8.8300e-003		0.1999	0.1999		0.1841	0.1841	0.0000	771.9484	771.9484	0.2477	0.0000	778.1405
Total	**0.4989**	**4.5811**	**6.4177**	**8.8300e-003**		**0.1999**	**0.1999**		**0.1841**	**0.1841**	**0.0000**	**771.9484**	**771.9484**	**0.2477**	**0.0000**	**778.1405**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1412	1.6132	6.6079	8.8300e-003		0.0166	0.0166		0.0166	0.0166	0.0000	771.9475	771.9475	0.2477	0.0000	778.1396
Total	**0.1412**	**1.6132**	**6.6079**	**8.8300e-003**		**0.0166**	**0.0166**		**0.0166**	**0.0166**	**0.0000**	**771.9475**	**771.9475**	**0.2477**	**0.0000**	**778.1396**

3.53 Plots 9 and 1,3,20 (2024) Building-Landscaping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3299	2.7861	4.3337	6.2300e-003		0.1314	0.1314		0.1209	0.1209	0.0000	547.2146	547.2146	0.1770	0.0000	551.6391
Total	**0.3299**	**2.7861**	**4.3337**	**6.2300e-003**		**0.1314**	**0.1314**		**0.1209**	**0.1209**	**0.0000**	**547.2146**	**547.2146**	**0.1770**	**0.0000**	**551.6391**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1582	1.6400	4.7291	6.2300e-003		0.0313	0.0313		0.0295	0.0295	0.0000	547.2139	547.2139	0.1770	0.0000	551.6384
Total	**0.1582**	**1.6400**	**4.7291**	**6.2300e-003**		**0.0313**	**0.0313**		**0.0295**	**0.0295**	**0.0000**	**547.2139**	**547.2139**	**0.1770**	**0.0000**	**551.6384**

3.54 Plots 9 and 1,3,20 (2024) Interchange - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.7266	6.8637	5.8595	0.0130		0.2987	0.2987		0.2749	0.2749	0.0000	1,139.6863	1,139.6863	0.3679	0.0000	1,148.8847
Total	**0.7266**	**6.8637**	**5.8595**	**0.0130**		**0.2987**	**0.2987**		**0.2749**	**0.2749**	**0.0000**	**1,139.6863**	**1,139.6863**	**0.3679**	**0.0000**	**1,148.8847**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1626	0.7122	6.6316	0.0130		0.0221	0.0221		0.0221	0.0221	0.0000	1,139.6849	1,139.6849	0.3679	0.0000	1,148.8834
Total	**0.1626**	**0.7122**	**6.6316**	**0.0130**		**0.0221**	**0.0221**		**0.0221**	**0.0221**	**0.0000**	**1,139.6849**	**1,139.6849**	**0.3679**	**0.0000**	**1,148.8834**

3.55 Plots 9 and 1,3,20 (2024) Landscaping - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3460	2.9126	4.5791	6.6100e-003		0.1382	0.1382		0.1271	0.1271	0.0000	580.2729	580.2729	0.1877	0.0000	584.9647
Total	**0.3460**	**2.9126**	**4.5791**	**6.6100e-003**		**0.1382**	**0.1382**		**0.1271**	**0.1271**	**0.0000**	**580.2729**	**580.2729**	**0.1877**	**0.0000**	**584.9647**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1629	1.6601	5.0147	6.6100e-003		0.0319	0.0319		0.0301	0.0301	0.0000	580.2722	580.2722	0.1877	0.0000	584.9640
Total	**0.1629**	**1.6601**	**5.0147**	**6.6100e-003**		**0.0319**	**0.0319**		**0.0301**	**0.0301**	**0.0000**	**580.2722**	**580.2722**	**0.1877**	**0.0000**	**584.9640**

3.56 Plots 9 and 1,3,20 (2024) Temporary Utilities - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1718	1.7762	1.4406	3.6300e-003		0.0718	0.0718		0.0661	0.0661	0.0000	319.2217	319.2217	0.1032	0.0000	321.8027
Total	**0.1718**	**1.7762**	**1.4406**	**3.6300e-003**		**0.0718**	**0.0718**		**0.0661**	**0.0661**	**0.0000**	**319.2217**	**319.2217**	**0.1032**	**0.0000**	**321.8027**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0447	0.1938	1.6399	3.6300e-003		5.9600e-003	5.9600e-003		5.9600e-003	5.9600e-003	0.0000	319.2213	319.2213	0.1032	0.0000	321.8024

Total	**0.0447**	**0.1938**	**1.6399**	**3.6300e-003**		**5.9600e-003**	**5.9600e-003**		**5.9600e-003**	**5.9600e-003**	**0.0000**	**319.2213**	**319.2213**	**0.1032**	**0.0000**	**321.8024**

3.57 Plots 9 and 1,3,20 (2024) Curbing/Drive Approaches -

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1661	1.5434	2.3801	3.5700e-003		0.0758	0.0758		0.0699	0.0699	0.0000	311.1029	311.1029	0.0993	0.0000	313.5854
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.3280**	**1.5434**	**2.3801**	**3.5700e-003**		**0.0758**	**0.0758**		**0.0699**	**0.0699**	**0.0000**	**311.1029**	**311.1029**	**0.0993**	**0.0000**	**313.5854**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0574	0.5248	2.6732	3.5700e-003		7.5700e-003	7.5700e-003		7.5700e-003	7.5700e-003	0.0000	311.1026	311.1026	0.0993	0.0000	313.5850
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2194**	**0.5248**	**2.6732**	**3.5700e-003**		**7.5700e-003**	**7.5700e-003**		**7.5700e-003**	**7.5700e-003**	**0.0000**	**311.1026**	**311.1026**	**0.0993**	**0.0000**	**313.5850**

3.58 Plots 9 and 1,3,20 (2024) Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5304	5.1828	6.0904	0.0112		0.2281	0.2281		0.2101	0.2101	0.0000	980.5595	980.5595	0.3149	0.0000	988.4316
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.6923**	**5.1828**	**6.0904**	**0.0112**		**0.2281**	**0.2281**		**0.2101**	**0.2101**	**0.0000**	**980.5595**	**980.5595**	**0.3149**	**0.0000**	**988.4316**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1356	0.5876	6.8564	0.0112		0.0181	0.0181		0.0181	0.0181	0.0000	980.5584	980.5584	0.3149	0.0000	988.4304
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2975**	**0.5876**	**6.8564**	**0.0112**		**0.0181**	**0.0181**		**0.0181**	**0.0181**	**0.0000**	**980.5584**	**980.5584**	**0.3149**	**0.0000**	**988.4304**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Total					

4.3 Trip Type Information

	Miles	Trip %	Trip Purpose %

Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	31,129.4424	31,129.4424	1.2852	0.2659	31,240.8089
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	31,129.4424	31,129.4424	1.2852	0.2659	31,240.8089
NaturalGas Mitigated	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	4,398.1384	4,398.1384	0.0843	0.0806	4,424.2743
NaturalGas Unmitigated	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	4,398.1384	4,398.1384	0.0843	0.0806	4,424.2743

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	8.2418e+007	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	4,398.1384	4,398.1384	0.0843	0.0806	4,424.2743

Total		**0.4444**	**4.0401**	**3.3937**	**0.0242**		**0.3071**	**0.3071**		**0.3071**	**0.3071**	**0.0000**	**4,398.1384**	**4,398.1384**	**0.0843**	**0.0806**	**4,424.2743**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	8.2418e+007	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	4,398.1384	4,398.1384	0.0843	0.0806	4,424.2743
Total		**0.4444**	**4.0401**	**3.3937**	**0.0242**		**0.3071**	**0.3071**		**0.3071**	**0.3071**	**0.0000**	**4,398.1384**	**4,398.1384**	**0.0843**	**0.0806**	**4,424.2743**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	1.88441e+006	600.4120	0.0248	5.1300e-003	602.5600
Unrefrigerated Warehouse-No	9.5816e+007	30,529.0304	1.2604	0.2608	30,638.2489
Total		**31,129.4424**	**1.2852**	**0.2659**	**31,240.8089**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e

Land Use	kWh/yr	MT/yr			
Parking Lot	1.88441e+006	600.4120	0.0248	5.1300e-003	602.5600
Unrefrigerated Warehouse-No	9.5816e+007	30,529.0304	1.2604	0.2608	30,638.2489
Total		**31,129.4424**	**1.2852**	**0.2659**	**31,240.8089**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	165.9964	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758
Unmitigated	165.9964	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	18.8930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	147.0561					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Landscaping	0.0473	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758
Total	**165.9963**	**4.6400e-003**	**0.5164**	**4.0000e-005**		**1.8300e-003**	**1.8300e-003**		**1.8300e-003**	**1.8300e-003**	**0.0000**	**1.0107**	**1.0107**	**2.6000e-003**	**0.0000**	**1.0758**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	18.8930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	147.0561					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0473	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758
Total	**165.9963**	**4.6400e-003**	**0.5164**	**4.0000e-005**		**1.8300e-003**	**1.8300e-003**		**1.8300e-003**	**1.8300e-003**	**0.0000**	**1.0107**	**1.0107**	**2.6000e-003**	**0.0000**	**1.0758**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	41,930.3775	307.5407	7.5564	51,870.7141
Unmitigated	41,930.3775	307.5407	7.5564	51,870.7141

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	9388.75 / 0	41,930.3775	307.5407	7.5564	51,870.7141
Total		**41,930.3775**	**307.5407**	**7.5564**	**51,870.7141**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	9388.75 / 0	41,930.3775	307.5407	7.5564	51,870.7141
Total		**41,930.3775**	**307.5407**	**7.5564**	**51,870.7141**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	7,746.9471	457.8315	0.0000	19,192.7336
Unmitigated	7,746.9471	457.8315	0.0000	19,192.7336

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	38164	7,746.9471	457.8315	0.0000	19,192.7336
Total		**7,746.9471**	**457.8315**	**0.0000**	**19,192.7336**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	38164	7,746.9471	457.8315	0.0000	19,192.7336
Total		**7,746.9471**	**457.8315**	**0.0000**	**19,192.7336**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Plots 5, 10, 8, 6, 7, and 11

World Logistics Center
Construction Emissions - GHG (Mitigated)

MITIGATED

Year	On-Site Offroad Equipment	Onsite Mobile	Offsite Mobile	Total
	MT/yr			
2025	14,443	90	1,827	16,360
2026	10,425	82	1,862	12,368
2027	9,608	93	1,940	11,640
2028	9,827	96	2,021	11,944
2029	9,366	75	1,959	11,400

ONSITE Mobile Emissions			CO2	CH4	N2O	CO2e
PhaseName	CalEEMod Phase Name		MT/yr			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025		4.90E+00	1.25E-01	7.38E-04	8.25E+00
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025		1.38E+00	2.79E-02	3.12E-04	2.17E+00
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025		1.06E+01	3.47E-01	1.91E-03	1.98E+01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025		1.36E+00	8.34E-02	1.92E-04	3.50E+00
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025		1.04E+01	2.81E-02	2.96E-03	1.19E+01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025		9.80E+00	2.09E-01	3.15E-03	1.59E+01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025		9.80E+00	8.36E-02	3.19E-03	1.28E+01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025		3.41E+00	1.25E-04	1.66E-03	3.90E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025		1.47E+00	9.72E-02	1.98E-04	3.96E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025		2.29E+00	8.34E-02	2.83E-04	4.46E+00
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025		1.42E+00	5.56E-02	1.91E-04	2.86E+00
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026		4.85E+00	1.23E-01	7.54E-04	8.15E+00
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026		1.30E+00	2.74E-02	2.79E-04	2.07E+00
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026		1.12E+01	3.42E-01	2.29E-03	2.04E+01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026		5.99E+00	2.75E-02	8.75E-04	6.94E+00
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026		8.27E+00	2.76E-02	2.01E-03	9.56E+00
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026		8.51E+00	8.22E-02	2.62E-03	1.13E+01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026		2.90E+00	9.58E-02	9.20E-04	5.57E+00
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026		3.00E+00	8.21E-02	1.02E-03	5.36E+00
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026		2.51E+00	9.46E-05	1.25E-03	2.88E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026		3.48E+00	5.48E-02	1.22E-03	5.21E+00
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026		2.23E+00	8.21E-02	2.75E-04	4.37E+00
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027		7.38E+00	1.62E-01	1.65E-03	1.19E+01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027		1.34E+00	6.06E-02	2.32E-04	2.92E+00
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027		7.92E+00	1.95E-01	2.12E-03	1.34E+01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027		6.27E+00	1.14E-01	8.74E-04	9.39E+00
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027		4.90E+00	2.02E-01	8.32E-04	1.02E+01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027		5.76E+00	8.08E-02	1.82E-03	8.32E+00
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027		5.06E+00	6.06E-02	1.24E-03	6.95E+00
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027		5.20E+00	2.08E-01	7.61E-04	1.06E+01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027		4.93E+00	1.91E-04	2.49E-03	5.68E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027		2.93E+00	6.73E-02	4.22E-04	4.74E+00
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027		5.83E+00	8.09E-02	2.29E-03	8.53E+00
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028		6.53E+00	1.98E-01	8.79E-04	1.17E+01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028		4.66E+00	9.24E-02	1.84E-03	7.52E+00
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028		1.32E+00	5.28E-02	1.77E-04	2.69E+00
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028		8.23E+00	1.98E-01	1.75E-03	1.37E+01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028		6.60E+00	1.98E-01	1.75E-03	1.21E+01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028		3.70E+00	7.92E-02	1.33E-03	6.08E+00
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028		9.48E+00	2.66E-02	2.77E-03	1.10E+01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028		1.41E+00	5.63E-05	7.26E-04	1.63E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028		1.04E+01	3.30E-01	2.10E-03	1.93E+01
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028		2.42E+00	9.65E-05	1.24E-03	2.79E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028		5.31E+00	7.92E-02	1.11E-03	7.62E+00
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029		3.23E+00	7.82E-02	1.20E-03	5.54E+00
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029		5.02E+00	1.50E-01	6.46E-04	8.96E+00
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029		4.96E+00	1.89E-01	7.04E-04	9.89E+00
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029		4.96E+00	1.89E-01	7.04E-04	9.89E+00
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029		6.00E+00	1.11E-01	8.37E-04	9.02E+00
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029		4.30E+00	1.95E-01	6.00E-04	9.36E+00
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029		2.89E+00	7.82E-02	4.10E-04	4.96E+00
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029		3.47E+00	5.87E-02	4.96E-04	5.09E+00
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029		1.57E+00	2.61E-02	2.12E-04	2.29E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029		4.92E+00	2.02E-01	6.96E-04	1.02E+01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029		0.00E+00	0.00E+00	0.00E+00	0.00E+00
		2025	5.67E+01	1.14E+00	1.48E-02	8.96E+01
		2026	5.42E+01	9.45E-01	1.35E-02	8.18E+01
		2027	5.75E+01	1.23E+00	1.47E-02	9.27E+01
		2028	6.01E+01	1.25E+00	1.57E-02	9.61E+01
		2029	4.13E+01	1.28E+00	6.50E-03	7.52E+01

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission Factor (g/mile)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	10	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	25	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	15	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	10	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	25	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	10	0.5	1.20E-02	4.68E-02	7.31E-01	2.65E-03	1.89E+02	1.63E-03	1.89E+02	1.88E+01	1.50E-03	1.88E+01	2.68E+02	2.98E-03	4.88E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	50	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	15	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	40	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	25	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	25	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	15	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	10	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	10	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	10	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	25	0.5	1.06E-02	4.22E-02	6.84E-01	2.57E-03	1.89E+02	1.55E-03	1.89E+02	1.88E+01	1.42E-03	1.88E+01	2.60E+02	2.66E-03	4.58E-03
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	50	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	12.5	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	25	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	37.5	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	25	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	15	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	17.5	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	25	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	17.5	0.5	9.36E-03	3.82E-02	6.44E-01	2.50E-03	1.89E+02	1.45E-03	1.89E+02	1.88E+01	1.33E-03	1.88E+01	2.53E+02	2.39E-03	4.33E-03
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	50	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	10	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	10	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	50	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	25	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	15	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	25	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	40	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	15	0.5	8.37E-03	3.49E-02	6.10E-01	2.44E-03	1.89E+02	1.35E-03	1.89E+02	1.88E+01	1.24E-03	1.88E+01	2.46E+02	2.17E-03	4.12E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	50	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	37.5	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	25	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	15	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	17.5	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	12.5	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	25	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	0.5	7.49E-03	3.20E-02	5.81E-01	2.38E-03	1.89E+02	1.26E-03	1.89E+02	1.88E+01	1.16E-03	1.88E+01	2.41E+02	1.97E-03	3.94E-03

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	0.5	6.60E-04	2.58E-03	4.03E-02	1.46E-04	1.04E+01	8.99E-05	1.04E+01	1.04E+00	8.28E-05	1.04E+00	1.48E+01	1.64E-04	2.69E-04
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	0.5	1.98E-04	7.74E-04	1.21E-02	4.39E-05	3.12E+00	2.70E-05	3.12E+00	3.12E-01	2.48E-05	3.12E-01	4.44E+00	4.93E-05	8.08E-05
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	0.5	5.28E-04	2.06E-03	3.22E-02	1.17E-04	8.33E+00	7.19E-05	8.33E+00	8.31E-01	6.62E-05	8.31E-01	1.18E+01	1.32E-04	2.15E-04
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	10	0.5	1.32E-04	5.16E-04	8.06E-03	2.93E-05	2.08E+00	1.80E-05	2.08E+00	2.08E-01	1.66E-05	2.08E-01	2.96E+00	3.29E-05	5.38E-05
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	0.5	3.30E-04	1.29E-03	2.02E-02	7.32E-05	5.20E+00	4.50E-05	5.20E+00	5.19E-01	4.14E-05	5.19E-01	7.40E+00	8.22E-05	1.35E-04
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	25	0.5	3.30E-04	1.29E-03	2.02E-02	7.32E-05	5.20E+00	4.50E-05	5.20E+00	5.19E-01	4.14E-05	5.19E-01	7.40E+00	8.22E-05	1.35E-04
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	15	0.5	1.98E-04	7.74E-04	1.21E-02	4.39E-05	3.12E+00	2.70E-05	3.12E+00	3.12E-01	2.48E-05	3.12E-01	4.44E+00	4.93E-05	8.08E-05
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	10	0.5	1.32E-04	5.16E-04	8.06E-03	2.93E-05	2.08E+00	1.80E-05	2.08E+00	2.08E-01	1.66E-05	2.08E-01	2.96E+00	3.29E-05	5.38E-05
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	25	0.5	3.30E-04	1.29E-03	2.02E-02	7.32E-05	5.20E+00	4.50E-05	5.20E+00	5.19E-01	4.14E-05	5.19E-01	7.40E+00	8.22E-05	1.35E-04
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	10	0.5	1.32E-04	5.16E-04	8.06E-03	2.93E-05	2.08E+00	1.80E-05	2.08E+00	2.08E-01	1.66E-05	2.08E-01	2.96E+00	3.29E-05	5.38E-05
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	50	0.5	5.82E-04	2.32E-03	3.77E-02	1.42E-04	1.04E+01	8.52E-05	1.04E+01	1.04E+00	7.84E-05	1.04E+00	1.43E+01	1.47E-04	2.53E-04
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	15	0.5	1.75E-04	6.97E-04	1.13E-02	4.26E-05	3.12E+00	2.56E-05	3.12E+00	3.12E-01	2.35E-05	3.12E-01	4.30E+00	4.41E-05	7.58E-05
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	40	0.5	4.66E-04	1.86E-03	3.02E-02	1.13E-04	8.33E+00	6.82E-05	8.33E+00	8.31E-01	6.27E-05	8.31E-01	1.15E+01	1.17E-04	2.02E-04
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	25	0.5	2.91E-04	1.16E-03	1.88E-02	7.09E-05	5.20E+00	4.26E-05	5.20E+00	5.19E-01	3.92E-05	5.19E-01	7.17E+00	7.34E-05	1.26E-04
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	25	0.5	2.91E-04	1.16E-03	1.88E-02	7.09E-05	5.20E+00	4.26E-05	5.20E+00	5.19E-01	3.92E-05	5.19E-01	7.17E+00	7.34E-05	1.26E-04
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	15	0.5	1.75E-04	6.97E-04	1.13E-02	4.26E-05	3.12E+00	2.56E-05	3.12E+00	3.12E-01	2.35E-05	3.12E-01	4.30E+00	4.41E-05	7.58E-05
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	10	0.5	1.16E-04	4.65E-04	7.54E-03	2.84E-05	2.08E+00	1.70E-05	2.08E+00	2.08E-01	1.57E-05	2.08E-01	2.87E+00	2.94E-05	5.05E-05
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	10	0.5	1.16E-04	4.65E-04	7.54E-03	2.84E-05	2.08E+00	1.70E-05	2.08E+00	2.08E-01	1.57E-05	2.08E-01	2.87E+00	2.94E-05	5.05E-05
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	10	0.5	1.16E-04	4.65E-04	7.54E-03	2.84E-05	2.08E+00	1.70E-05	2.08E+00	2.08E-01	1.57E-05	2.08E-01	2.87E+00	2.94E-05	5.05E-05
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	25	0.5	2.91E-04	1.16E-03	1.88E-02	7.09E-05	5.20E+00	4.26E-05	5.20E+00	5.19E-01	3.92E-05	5.19E-01	7.17E+00	7.34E-05	1.26E-04
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	50	0.5	5.16E-04	2.11E-03	3.55E-02	1.38E-04	1.04E+01	7.99E-05	1.04E+01	1.04E+00	7.35E-05	1.04E+00	1.39E+01	1.32E-04	2.39E-04
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	12.5	0.5	1.29E-04	5.27E-04	8.87E-03	3.45E-05	2.60E+00	2.00E-05	2.60E+00	2.60E-01	1.84E-05	2.60E-01	3.48E+00	3.30E-05	5.97E-05
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	25	0.5	2.58E-04	1.05E-03	1.77E-02	6.89E-05	5.20E+00	4.00E-05	5.20E+00	5.19E-01	3.68E-05	5.19E-01	6.97E+00	6.59E-05	1.19E-04
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	37.5	0.5	3.87E-04	1.58E-03	2.66E-02	1.03E-04	7.81E+00	5.99E-05	7.81E+00	7.79E-01	5.52E-05	7.79E-01	1.05E+01	9.89E-05	1.79E-04
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	25	0.5	2.58E-04	1.05E-03	1.77E-02	6.89E-05	5.20E+00	4.00E-05	5.20E+00	5.19E-01	3.68E-05	5.19E-01	6.97E+00	6.59E-05	1.19E-04
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	15	0.5	1.55E-04	6.32E-04	1.06E-02	4.14E-05	3.12E+00	2.40E-05	3.12E+00	3.12E-01	2.21E-05	3.12E-01	4.18E+00	3.96E-05	7.16E-05
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	17.5	0.5	1.81E-04	7.37E-04	1.24E-02	4.82E-05	3.64E+00	2.80E-05	3.64E+00	3.63E-01	2.57E-05	3.63E-01	4.88E+00	4.62E-05	8.36E-05
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	25	0.5	2.58E-04	1.05E-03	1.77E-02	6.89E-05	5.20E+00	4.00E-05	5.20E+00	5.19E-01	3.68E-05	5.19E-01	6.97E+00	6.59E-05	1.19E-04
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	0.5	1.29E-04	5.27E-04	8.87E-03	3.45E-05	2.60E+00	2.00E-05	2.60E+00	2.60E-01	1.84E-05	2.60E-01	3.48E+00	3.30E-05	5.97E-05
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	17.5	0.5	1.81E-04	7.37E-04	1.24E-02	4.82E-05	3.64E+00	2.80E-05	3.64E+00	3.63E-01	2.57E-05	3.63E-01	4.88E+00	4.62E-05	8.36E-05
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	50	0.5	4.61E-04	1.92E-03	3.36E-02	1.34E-04	1.04E+01	7.44E-05	1.04E+01	1.04E+00	6.84E-05	1.04E+00	1.36E+01	1.19E-04	2.27E-04
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	10	0.5	9.22E-05	3.85E-04	6.73E-03	2.69E-05	2.08E+00	1.49E-05	2.08E+00	2.08E-01	1.37E-05	2.08E-01	2.72E+00	2.39E-05	4.54E-05
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	10	0.5	9.22E-05	3.85E-04	6.73E-03	2.69E-05	2.08E+00	1.49E-05	2.08E+00	2.08E-01	1.37E-05	2.08E-01	2.72E+00	2.39E-05	4.54E-05
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	50	0.5	4.61E-04	1.92E-03	3.36E-02	1.34E-04	1.04E+01	7.44E-05	1.04E+01	1.04E+00	6.84E-05	1.04E+00	1.36E+01	1.19E-04	2.27E-04
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	25	0.5	2.31E-04	9.62E-04	1.68E-02	6.72E-05	5.20E+00	3.72E-05	5.20E+00	5.19E-01	3.42E-05	5.19E-01	6.79E+00	5.97E-05	1.14E-04
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	15	0.5	1.38E-04	5.77E-04	1.01E-02	4.03E-05	3.12E+00	2.23E-05	3.12E+00	3.12E-01	2.05E-05	3.12E-01	4.07E+00	3.58E-05	6.82E-05
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	25	0.5	2.31E-04	9.62E-04	1.68E-02	6.72E-05	5.20E+00	3.72E-05	5.20E+00	5.19E-01	3.42E-05	5.19E-01	6.79E+00	5.97E-05	1.14E-04
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	40	0.5	3.69E-04	1.54E-03	2.69E-02	1.07E-04	8.33E+00	5.95E-05	8.33E+00	8.31E-01	5.48E-05	8.31E-01	1.09E+01	9.55E-05	1.82E-04
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	15	0.5	1.38E-04	5.77E-04	1.01E-02	4.03E-05	3.12E+00	2.23E-05	3.12E+00	3.12E-01	2.05E-05	3.12E-01	4.07E+00	3.58E-05	6.82E-05
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	0.5	8.26E-05	3.53E-04	6.41E-03	2.62E-05	2.08E+00	1.39E-05	2.08E+00	2.08E-01	1.28E-05	2.08E-01	2.65E+00	2.17E-05	4.35E-05
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	50	0.5	4.13E-04	1.77E-03	3.20E-02	1.31E-04	1.04E+01	6.93E-05	1.04E+01	1.04E+00	6.38E-05	1.04E+00	1.33E+01	1.08E-04	2.17E-04
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	0.5	2.06E-04	8.83E-04	1.60E-02	6.56E-05	5.20E+00	3.46E-05	5.20E+00	5.19E-01	3.19E-05	5.19E-01	6.63E+00	5.42E-05	1.09E-04
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	0.5	2.06E-04	8.83E-04	1.60E-02	6.56E-05	5.20E+00	3.46E-05	5.20E+00	5.19E-01	3.19E-05	5.19E-01	6.63E+00	5.42E-05	1.09E-04
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	37.5	0.5	3.10E-04	1.32E-03	2.40E-02	9.84E-05	7.81E+00	5.20E-05	7.81E+00	7.79E-01	4.78E-05	7.79E-01	9.95E+00	8.13E-05	1.63E-04
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	25	0.5	2.06E-04	8.83E-04	1.60E-02	6.56E-05	5.20E+00	3.46E-05	5.20E+00	5.19E-01	3.19E-05	5.19E-01	6.63E+00	5.42E-05	1.09E-04
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	15	0.5	1.24E-04	5.30E-04	9.61E-03	3.94E-05	3.12E+00	2.08E-05	3.12E+00	3.12E-01	1.91E-05	3.12E-01	3.98E+00	3.25E-05	6.52E-05
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	17.5	0.5	1.44E-04	6.18E-04	1.12E-02	4.59E-05	3.64E+00	2.43E-05	3.64E+00	3.63E-01	2.23E-05	3.63E-01	4.64E+00	3.79E-05	7.61E-05
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	12.5	0.5	1.03E-04	4.41E-04	8.01E-03	3.28E-05	2.60E+00	1.73E-05	2.60E+00	2.60E-01	1.59E-05	2.60E-01	3.32E+00	2.71E-05	5.43E-05
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	25	0.5	2.06E-04	8.83E-04	1.60E-02	6.56E-05	5.20E+00	3.46E-05	5.20E+00	5.19E-01	3.19E-05	5.19E-01	6.63E+00	5.42E-05	1.09E-04
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
						MT/yr			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	0.5	261	1.75E+00	1.95E-05	3.19E-05	1.76E+00
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	0.5	261	5.25E-01	5.84E-06	9.56E-06	5.28E-01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	0.5	261	1.40E+00	1.56E-05	2.55E-05	1.41E+00
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	10	0.5	261	3.50E-01	3.89E-06	6.37E-06	3.52E-01
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	0.5	261	8.76E-01	9.73E-06	1.59E-05	8.81E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	25	0.5	261	8.76E-01	9.73E-06	1.59E-05	8.81E-01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	15	0.5	261	5.25E-01	5.84E-06	9.56E-06	5.28E-01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	10	0.5	261	3.50E-01	3.89E-06	6.37E-06	3.52E-01
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	25	0.5	261	8.76E-01	9.73E-06	1.59E-05	8.81E-01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	10	0.5	261	3.50E-01	3.89E-06	6.37E-06	3.52E-01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	50	0.5	261	1.70E+00	1.74E-05	2.99E-05	1.71E+00
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	15	0.5	261	5.09E-01	5.22E-06	8.97E-06	5.12E-01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	40	0.5	261	1.36E+00	1.39E-05	2.39E-05	1.37E+00
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	25	0.5	261	8.49E-01	8.69E-06	1.50E-05	8.53E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	25	0.5	261	8.49E-01	8.69E-06	1.50E-05	8.53E-01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	15	0.5	261	5.09E-01	5.22E-06	8.97E-06	5.12E-01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	10	0.5	261	3.39E-01	3.48E-06	5.98E-06	3.41E-01
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	10	0.5	261	3.39E-01	3.48E-06	5.98E-06	3.41E-01
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	10	0.5	261	3.39E-01	3.48E-06	5.98E-06	3.41E-01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	25	0.5	261	8.49E-01	8.69E-06	1.50E-05	8.53E-01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	50	0.5	261	1.65E+00	1.56E-05	2.83E-05	1.66E+00
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	12.5	0.5	261	4.12E-01	3.90E-06	7.07E-06	4.15E-01
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	25	0.5	261	8.25E-01	7.81E-06	1.41E-05	8.29E-01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	37.5	0.5	261	1.24E+00	1.17E-05	2.12E-05	1.24E+00
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	25	0.5	261	8.25E-01	7.81E-06	1.41E-05	8.29E-01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	15	0.5	261	4.95E-01	4.68E-06	8.48E-06	4.98E-01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	17.5	0.5	261	5.77E-01	5.46E-06	9.89E-06	5.80E-01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	25	0.5	261	8.25E-01	7.81E-06	1.41E-05	8.29E-01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	0.5	261	4.12E-01	3.90E-06	7.07E-06	4.15E-01
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	17.5	0.5	261	5.77E-01	5.46E-06	9.89E-06	5.80E-01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	50	0.5	260	1.60E+00	1.41E-05	2.68E-05	1.61E+00
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	10	0.5	260	3.20E-01	2.82E-06	5.36E-06	3.22E-01
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	10	0.5	260	3.20E-01	2.82E-06	5.36E-06	3.22E-01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	50	0.5	260	1.60E+00	1.41E-05	2.68E-05	1.61E+00
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	25	0.5	260	8.01E-01	7.04E-06	1.34E-05	8.05E-01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	15	0.5	260	4.80E-01	4.22E-06	8.04E-06	4.83E-01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	25	0.5	260	8.01E-01	7.04E-06	1.34E-05	8.05E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	40	0.5	260	1.28E+00	1.13E-05	2.14E-05	1.29E+00
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	15	0.5	260	4.80E-01	4.22E-06	8.04E-06	4.83E-01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	0.5	261	3.14E-01	2.57E-06	5.15E-06	3.16E-01
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	50	0.5	261	1.57E+00	1.28E-05	2.57E-05	1.58E+00
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	0.5	261	7.85E-01	6.42E-06	1.29E-05	7.89E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	0.5	261	7.85E-01	6.42E-06	1.29E-05	7.89E-01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	37.5	0.5	261	1.18E+00	9.62E-06	1.93E-05	1.18E+00
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	25	0.5	261	7.85E-01	6.42E-06	1.29E-05	7.89E-01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	15	0.5	261	4.71E-01	3.85E-06	7.72E-06	4.73E-01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	17.5	0.5	261	5.49E-01	4.49E-06	9.00E-06	5.52E-01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	12.5	0.5	261	3.92E-01	3.21E-06	6.43E-06	3.94E-01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	25	0.5	261	7.85E-01	6.42E-06	1.29E-05	7.89E-01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00

					Worker Starting/Evaporative Emission Factors												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission Factor (g/trip)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	10	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	25	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	15	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	10	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	25	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	10	0.5	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	50	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	15	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	40	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	25	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	25	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	15	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	10	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	10	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	10	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	25	0.5	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	50	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	12.5	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	25	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	37.5	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	25	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	15	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	17.5	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	25	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	17.5	0.5	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	50	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	10	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	10	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	50	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	25	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	15	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	25	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	40	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	15	0.5	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	50	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	37.5	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	25	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	15	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	17.5	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	12.5	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	25	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	0.5	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02

					Daily Emissions													
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	0.5	4.23E-02	9.85E-03	1.12E-01	2.94E-05	0.00E+00	9.74E-05	9.74E-05	0.00E+00	8.95E-05	8.95E-05	2.97E+00	2.55E-03	1.31E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	0.5	1.27E-02	2.95E-03	3.35E-02	8.83E-06	0.00E+00	2.92E-05	2.92E-05	0.00E+00	2.69E-05	2.69E-05	8.92E-01	7.65E-04	3.93E-04
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	0.5	3.38E-02	7.88E-03	8.94E-02	2.35E-05	0.00E+00	7.79E-05	7.79E-05	0.00E+00	7.16E-05	7.16E-05	2.38E+00	2.04E-03	1.05E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	10	0.5	8.46E-03	1.97E-03	2.23E-02	5.88E-06	0.00E+00	1.95E-05	1.95E-05	0.00E+00	1.79E-05	1.79E-05	5.95E-01	5.10E-04	2.62E-04
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	0.5	2.12E-02	4.92E-03	5.59E-02	1.47E-05	0.00E+00	4.87E-05	4.87E-05	0.00E+00	4.48E-05	4.48E-05	1.49E+00	1.27E-03	6.55E-04
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	25	0.5	2.12E-02	4.92E-03	5.59E-02	1.47E-05	0.00E+00	4.87E-05	4.87E-05	0.00E+00	4.48E-05	4.48E-05	1.49E+00	1.27E-03	6.55E-04
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	15	0.5	1.27E-02	2.95E-03	3.35E-02	8.83E-06	0.00E+00	2.92E-05	2.92E-05	0.00E+00	2.69E-05	2.69E-05	8.92E-01	7.65E-04	3.93E-04
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	10	0.5	8.46E-03	1.97E-03	2.23E-02	5.88E-06	0.00E+00	1.95E-05	1.95E-05	0.00E+00	1.79E-05	1.79E-05	5.95E-01	5.10E-04	2.62E-04
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	25	0.5	2.12E-02	4.92E-03	5.59E-02	1.47E-05	0.00E+00	4.87E-05	4.87E-05	0.00E+00	4.48E-05	4.48E-05	1.49E+00	1.27E-03	6.55E-04
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	10	0.5	8.46E-03	1.97E-03	2.23E-02	5.88E-06	0.00E+00	1.95E-05	1.95E-05	0.00E+00	1.79E-05	1.79E-05	5.95E-01	5.10E-04	2.62E-04
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	50	0.5	3.98E-02	9.22E-03	1.07E-01	2.85E-05	0.00E+00	9.31E-05	9.31E-05	0.00E+00	8.56E-05	8.56E-05	2.88E+00	2.36E-03	1.25E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	15	0.5	1.19E-02	2.77E-03	3.22E-02	8.55E-06	0.00E+00	2.79E-05	2.79E-05	0.00E+00	2.57E-05	2.57E-05	8.64E-01	7.07E-04	3.76E-04
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	40	0.5	3.18E-02	7.38E-03	8.59E-02	2.28E-05	0.00E+00	7.45E-05	7.45E-05	0.00E+00	6.85E-05	6.85E-05	2.30E+00	1.89E-03	1.00E-03
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	25	0.5	1.99E-02	4.61E-03	5.37E-02	1.42E-05	0.00E+00	4.66E-05	4.66E-05	0.00E+00	4.28E-05	4.28E-05	1.44E+00	1.18E-03	6.27E-04
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	25	0.5	1.99E-02	4.61E-03	5.37E-02	1.42E-05	0.00E+00	4.66E-05	4.66E-05	0.00E+00	4.28E-05	4.28E-05	1.44E+00	1.18E-03	6.27E-04
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	15	0.5	1.19E-02	2.77E-03	3.22E-02	8.55E-06	0.00E+00	2.79E-05	2.79E-05	0.00E+00	2.57E-05	2.57E-05	8.64E-01	7.07E-04	3.76E-04
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	10	0.5	7.96E-03	1.84E-03	2.15E-02	5.70E-06	0.00E+00	1.86E-05	1.86E-05	0.00E+00	1.71E-05	1.71E-05	5.76E-01	4.72E-04	2.51E-04
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	10	0.5	7.96E-03	1.84E-03	2.15E-02	5.70E-06	0.00E+00	1.86E-05	1.86E-05	0.00E+00	1.71E-05	1.71E-05	5.76E-01	4.72E-04	2.51E-04
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	10	0.5	7.96E-03	1.84E-03	2.15E-02	5.70E-06	0.00E+00	1.86E-05	1.86E-05	0.00E+00	1.71E-05	1.71E-05	5.76E-01	4.72E-04	2.51E-04
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	25	0.5	1.99E-02	4.61E-03	5.37E-02	1.42E-05	0.00E+00	4.66E-05	4.66E-05	0.00E+00	4.28E-05	4.28E-05	1.44E+00	1.18E-03	6.27E-04
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	50	0.5	3.75E-02	8.70E-03	1.04E-01	2.77E-05	0.00E+00	8.84E-05	8.84E-05	0.00E+00	8.13E-05	8.13E-05	2.80E+00	2.19E-03	1.21E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	12.5	0.5	9.38E-03	2.17E-03	2.59E-02	6.92E-06	0.00E+00	2.21E-05	2.21E-05	0.00E+00	2.03E-05	2.03E-05	6.99E-01	5.48E-04	3.02E-04
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	25	0.5	1.88E-02	4.35E-03	5.18E-02	1.38E-05	0.00E+00	4.42E-05	4.42E-05	0.00E+00	4.06E-05	4.06E-05	1.40E+00	1.10E-03	6.03E-04
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	37.5	0.5	2.81E-02	6.52E-03	7.77E-02	2.07E-05	0.00E+00	6.63E-05	6.63E-05	0.00E+00	6.10E-05	6.10E-05	2.10E+00	1.64E-03	9.05E-04
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	25	0.5	1.88E-02	4.35E-03	5.18E-02	1.38E-05	0.00E+00	4.42E-05	4.42E-05	0.00E+00	4.06E-05	4.06E-05	1.40E+00	1.10E-03	6.03E-04
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	15	0.5	1.13E-02	2.61E-03	3.11E-02	8.30E-06	0.00E+00	2.65E-05	2.65E-05	0.00E+00	2.44E-05	2.44E-05	8.39E-01	6.57E-04	3.62E-04
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	17.5	0.5	1.31E-02	3.04E-03	3.63E-02	9.68E-06	0.00E+00	3.09E-05	3.09E-05	0.00E+00	2.84E-05	2.84E-05	9.78E-01	7.67E-04	4.22E-04
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	25	0.5	1.88E-02	4.35E-03	5.18E-02	1.38E-05	0.00E+00	4.42E-05	4.42E-05	0.00E+00	4.06E-05	4.06E-05	1.40E+00	1.10E-03	6.03E-04
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	0.5	9.38E-03	2.17E-03	2.59E-02	6.92E-06	0.00E+00	2.21E-05	2.21E-05	0.00E+00	2.03E-05	2.03E-05	6.99E-01	5.48E-04	3.02E-04
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	17.5	0.5	1.31E-02	3.04E-03	3.63E-02	9.68E-06	0.00E+00	3.09E-05	3.09E-05	0.00E+00	2.84E-05	2.84E-05	9.78E-01	7.67E-04	4.22E-04
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	50	0.5	3.54E-02	8.25E-03	1.00E-01	2.69E-05	0.00E+00	8.33E-05	8.33E-05	0.00E+00	7.66E-05	7.66E-05	2.72E+00	2.04E-03	1.17E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	10	0.5	7.09E-03	1.65E-03	2.01E-02	5.38E-06	0.00E+00	1.67E-05	1.67E-05	0.00E+00	1.53E-05	1.53E-05	5.44E-01	4.09E-04	2.33E-04
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	10	0.5	7.09E-03	1.65E-03	2.01E-02	5.38E-06	0.00E+00	1.67E-05	1.67E-05	0.00E+00	1.53E-05	1.53E-05	5.44E-01	4.09E-04	2.33E-04
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	50	0.5	3.54E-02	8.25E-03	1.00E-01	2.69E-05	0.00E+00	8.33E-05	8.33E-05	0.00E+00	7.66E-05	7.66E-05	2.72E+00	2.04E-03	1.17E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	25	0.5	1.77E-02	4.12E-03	5.02E-02	1.35E-05	0.00E+00	4.16E-05	4.16E-05	0.00E+00	3.83E-05	3.83E-05	1.36E+00	1.02E-03	5.83E-04
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	15	0.5	1.06E-02	2.47E-03	3.01E-02	8.07E-06	0.00E+00	2.50E-05	2.50E-05	0.00E+00	2.30E-05	2.30E-05	8.16E-01	6.13E-04	3.50E-04
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	25	0.5	1.77E-02	4.12E-03	5.02E-02	1.35E-05	0.00E+00	4.16E-05	4.16E-05	0.00E+00	3.83E-05	3.83E-05	1.36E+00	1.02E-03	5.83E-04
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	40	0.5	2.83E-02	6.60E-03	8.03E-02	2.15E-05	0.00E+00	6.66E-05	6.66E-05	0.00E+00	6.13E-05	6.13E-05	2.18E+00	1.64E-03	9.33E-04
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	15	0.5	1.06E-02	2.47E-03	3.01E-02	8.07E-06	0.00E+00	2.50E-05	2.50E-05	0.00E+00	2.30E-05	2.30E-05	8.16E-01	6.13E-04	3.50E-04
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	0.5	6.68E-03	1.57E-03	1.95E-02	5.25E-06	0.00E+00	1.57E-05	1.57E-05	0.00E+00	1.44E-05	1.44E-05	5.30E-01	3.83E-04	2.26E-04
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	50	0.5	3.34E-02	7.86E-03	9.73E-02	2.62E-05	0.00E+00	7.84E-05	7.84E-05	0.00E+00	7.21E-05	7.21E-05	2.65E+00	1.91E-03	1.13E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	0.5	1.67E-02	3.93E-03	4.87E-02	1.31E-05	0.00E+00	3.92E-05	3.92E-05	0.00E+00	3.60E-05	3.60E-05	1.33E+00	9.57E-04	5.66E-04
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	0.5	1.67E-02	3.93E-03	4.87E-02	1.31E-05	0.00E+00	3.92E-05	3.92E-05	0.00E+00	3.60E-05	3.60E-05	1.33E+00	9.57E-04	5.66E-04
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	37.5	0.5	2.50E-02	5.90E-03	7.30E-02	1.97E-05	0.00E+00	5.88E-05	5.88E-05	0.00E+00	5.41E-05	5.41E-05	1.99E+00	1.44E-03	8.49E-04
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	25	0.5	1.67E-02	3.93E-03	4.87E-02	1.31E-05	0.00E+00	3.92E-05	3.92E-05	0.00E+00	3.60E-05	3.60E-05	1.33E+00	9.57E-04	5.66E-04
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	15	0.5	1.00E-02	2.36E-03	2.92E-02	7.87E-06	0.00E+00	2.35E-05	2.35E-05	0.00E+00	2.16E-05	2.16E-05	7.95E-01	5.74E-04	3.40E-04
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	17.5	0.5	1.17E-02	2.75E-03	3.41E-02	9.18E-06	0.00E+00	2.74E-05	2.74E-05	0.00E+00	2.52E-05	2.52E-05	9.28E-01	6.70E-04	3.96E-04
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	12.5	0.5	8.35E-03	1.97E-03	2.43E-02	6.56E-06	0.00E+00	1.96E-05	1.96E-05	0.00E+00	1.80E-05	1.80E-05	6.63E-01	4.79E-04	2.83E-04
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	25	0.5	1.67E-02	3.93E-03	4.87E-02	1.31E-05	0.00E+00	3.92E-05	3.92E-05	0.00E+00	3.60E-05	3.60E-05	1.33E+00	9.57E-04	5.66E-04
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
						MT/yr			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	0.5	261	3.52E-01	3.02E-04	1.55E-04	4.06E-01
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	0.5	261	1.06E-01	9.06E-05	4.65E-05	1.22E-01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	0.5	261	2.82E-01	2.41E-04	1.24E-04	3.25E-01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	10	0.5	261	7.04E-02	6.04E-05	3.10E-05	8.12E-02
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	0.5	261	1.76E-01	1.51E-04	7.76E-05	2.03E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	25	0.5	261	1.76E-01	1.51E-04	7.76E-05	2.03E-01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	15	0.5	261	1.06E-01	9.06E-05	4.65E-05	1.22E-01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	10	0.5	261	7.04E-02	6.04E-05	3.10E-05	8.12E-02
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	25	0.5	261	1.76E-01	1.51E-04	7.76E-05	2.03E-01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	10	0.5	261	7.04E-02	6.04E-05	3.10E-05	8.12E-02
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	50	0.5	261	3.41E-01	2.79E-04	1.48E-04	3.92E-01
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	15	0.5	261	1.02E-01	8.37E-05	4.45E-05	1.18E-01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	40	0.5	261	2.73E-01	2.23E-04	1.19E-04	3.14E-01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	25	0.5	261	1.70E-01	1.40E-04	7.42E-05	1.96E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	25	0.5	261	1.70E-01	1.40E-04	7.42E-05	1.96E-01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	15	0.5	261	1.02E-01	8.37E-05	4.45E-05	1.18E-01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	10	0.5	261	6.82E-02	5.58E-05	2.97E-05	7.84E-02
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	10	0.5	261	6.82E-02	5.58E-05	2.97E-05	7.84E-02
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	10	0.5	261	6.82E-02	5.58E-05	2.97E-05	7.84E-02
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	25	0.5	261	1.70E-01	1.40E-04	7.42E-05	1.96E-01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	50	0.5	261	3.31E-01	2.59E-04	1.43E-04	3.80E-01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	12.5	0.5	261	8.27E-02	6.49E-05	3.57E-05	9.50E-02
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	25	0.5	261	1.65E-01	1.30E-04	7.14E-05	1.90E-01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	37.5	0.5	261	2.48E-01	1.95E-04	1.07E-04	2.85E-01
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	25	0.5	261	1.65E-01	1.30E-04	7.14E-05	1.90E-01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	15	0.5	261	9.93E-02	7.78E-05	4.28E-05	1.14E-01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	17.5	0.5	261	1.16E-01	9.08E-05	5.00E-05	1.33E-01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	25	0.5	261	1.65E-01	1.30E-04	7.14E-05	1.90E-01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	0.5	261	8.27E-02	6.49E-05	3.57E-05	9.50E-02
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	17.5	0.5	261	1.16E-01	9.08E-05	5.00E-05	1.33E-01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	50	0.5	260	3.21E-01	2.41E-04	1.38E-04	3.68E-01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	10	0.5	260	6.42E-02	4.82E-05	2.75E-05	7.36E-02
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	10	0.5	260	6.42E-02	4.82E-05	2.75E-05	7.36E-02
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	50	0.5	260	3.21E-01	2.41E-04	1.38E-04	3.68E-01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	25	0.5	260	1.60E-01	1.21E-04	6.88E-05	1.84E-01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	15	0.5	260	9.62E-02	7.23E-05	4.13E-05	1.10E-01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	25	0.5	260	1.60E-01	1.21E-04	6.88E-05	1.84E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	40	0.5	260	2.57E-01	1.93E-04	1.10E-04	2.94E-01
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	15	0.5	260	9.62E-02	7.23E-05	4.13E-05	1.10E-01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	0.5	261	6.28E-02	4.53E-05	2.68E-05	7.19E-02
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	50	0.5	261	3.14E-01	2.27E-04	1.34E-04	3.60E-01
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	0.5	261	1.57E-01	1.13E-04	6.70E-05	1.80E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	0.5	261	1.57E-01	1.13E-04	6.70E-05	1.80E-01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	37.5	0.5	261	2.35E-01	1.70E-04	1.01E-04	2.70E-01
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	25	0.5	261	1.57E-01	1.13E-04	6.70E-05	1.80E-01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	15	0.5	261	9.42E-02	6.80E-05	4.02E-05	1.08E-01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	17.5	0.5	261	1.10E-01	7.93E-05	4.69E-05	1.26E-01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	12.5	0.5	261	7.85E-02	5.66E-05	3.35E-05	8.99E-02
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	25	0.5	261	1.57E-01	1.13E-04	6.70E-05	1.80E-01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00

						Vendor Running Emission Factors												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission Factor (g/mile)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	9	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	2	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	6	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	2	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	6	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	7	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	6	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	4	0.5	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.14E+03	3.98E-02	1.65E-01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	25	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	2	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	6	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	6	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	6	0.5	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.30E-02	1.89E+01	1.12E+03	3.99E-02	1.62E-01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	12	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	4.5	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	14.5	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	8.5	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	15	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	6	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	4.5	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	15.5	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	5	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	6	0.5	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.10E+03	3.99E-02	1.59E-01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	15	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	7	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	4	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	15	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	15	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	6	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	2	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	25	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	6	0.5	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.29E-02	1.89E+01	1.08E+03	4.00E-02	1.56E-01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	6	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	11.5	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	14.5	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	14.5	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	8.5	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	6	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	4.5	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	2	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	15.5	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	0.5	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.28E-02	1.89E+01	1.06E+03	4.01E-02	1.53E-01

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	9	0.5	15	1.71E-04	1.73E-02	3.08E-03	1.05E-04	1.87E+00	1.20E-03	1.88E+00	1.87E-01	1.29E-04	1.87E-01	1.14E+01	3.95E-04	1.63E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	2	0.5	15	3.79E-05	3.84E-03	6.85E-04	2.34E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.86E-05	4.16E-02	2.52E+00	8.77E-05	3.63E-04
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	0.5	15	4.74E-04	4.80E-02	8.56E-03	2.92E-04	5.21E+00	3.32E-03	5.21E+00	5.20E-01	3.58E-04	5.20E-01	3.15E+01	1.10E-03	4.54E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	6	0.5	15	1.14E-04	1.15E-02	2.06E-03	7.02E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.59E-05	1.25E-01	7.57E+00	2.63E-04	1.09E-03
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	2	0.5	15	3.79E-05	3.84E-03	6.85E-04	2.34E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.86E-05	4.16E-02	2.52E+00	8.77E-05	3.63E-04
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	0.5	15	2.84E-04	2.88E-02	5.14E-03	1.75E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.15E-04	3.12E-01	1.89E+01	6.58E-04	2.72E-03
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	6	0.5	15	1.14E-04	1.15E-02	2.06E-03	7.02E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.59E-05	1.25E-01	7.57E+00	2.63E-04	1.09E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	7	0.5	15	1.33E-04	1.34E-02	2.40E-03	8.19E-05	1.46E+00	9.30E-04	1.46E+00	1.46E-01	1.00E-04	1.46E-01	8.83E+00	3.07E-04	1.27E-03
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	6	0.5	15	1.14E-04	1.15E-02	2.06E-03	7.02E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.59E-05	1.25E-01	7.57E+00	2.63E-04	1.09E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	4	0.5	15	7.58E-05	7.68E-03	1.37E-03	4.68E-05	8.33E-01	5.31E-04	8.33E-01	8.32E-02	5.73E-05	8.33E-02	5.05E+00	1.75E-04	7.27E-04
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9	0.5	15	1.65E-04	1.71E-02	3.03E-03	1.03E-04	1.87E+00	1.20E-03	1.88E+00	1.87E-01	1.29E-04	1.87E-01	1.11E+01	3.96E-04	1.61E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2	0.5	15	3.67E-05	3.81E-03	6.73E-04	2.29E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.86E-05	4.16E-02	2.48E+00	8.80E-05	3.57E-04
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	25	0.5	15	4.58E-04	4.76E-02	8.41E-03	2.87E-04	5.21E+00	3.32E-03	5.21E+00	5.20E-01	3.57E-04	5.20E-01	3.10E+01	1.10E-03	4.46E-03
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2	0.5	15	3.67E-05	3.81E-03	6.73E-04	2.29E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.86E-05	4.16E-02	2.48E+00	8.80E-05	3.57E-04
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	2	0.5	15	3.67E-05	3.81E-03	6.73E-04	2.29E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.86E-05	4.16E-02	2.48E+00	8.80E-05	3.57E-04
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	6	0.5	15	1.10E-04	1.14E-02	2.02E-03	6.88E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.57E-05	1.25E-01	7.43E+00	2.64E-04	1.07E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7	0.5	15	1.28E-04	1.33E-02	2.36E-03	8.03E-05	1.46E+00	9.30E-04	1.46E+00	1.46E-01	1.00E-04	1.46E-01	8.67E+00	3.08E-04	1.25E-03
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	6	0.5	15	1.10E-04	1.14E-02	2.02E-03	6.88E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.57E-05	1.25E-01	7.43E+00	2.64E-04	1.07E-03
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4	0.5	15	7.33E-05	7.62E-03	1.35E-03	4.59E-05	8.33E-01	5.31E-04	8.33E-01	8.32E-02	5.72E-05	8.33E-02	4.95E+00	1.76E-04	7.14E-04
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	6	0.5	15	1.10E-04	1.14E-02	2.02E-03	6.88E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.57E-05	1.25E-01	7.43E+00	2.64E-04	1.07E-03
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	12	0.5	15	2.13E-04	2.26E-02	3.98E-03	1.35E-04	2.50E+00	1.59E-03	2.50E+00	2.50E-01	1.71E-04	2.50E-01	1.46E+01	5.27E-04	2.10E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	4.5	0.5	15	8.00E-05	8.49E-03	1.49E-03	5.05E-05	9.37E-01	5.98E-04	9.38E-01	9.36E-02	6.41E-05	9.37E-02	5.46E+00	1.98E-04	7.88E-04
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	14.5	0.5	15	2.58E-04	2.73E-02	4.81E-03	1.63E-04	3.02E+00	1.93E-03	3.02E+00	3.02E-01	2.06E-04	3.02E-01	1.76E+01	6.37E-04	2.54E-03
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	8.5	0.5	15	1.51E-04	1.60E-02	2.82E-03	9.55E-05	1.77E+00	1.13E-03	1.77E+00	1.77E-01	1.21E-04	1.77E-01	1.03E+01	3.73E-04	1.49E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	15	0.5	15	2.67E-04	2.83E-02	4.97E-03	1.68E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.14E-04	3.12E-01	1.82E+01	6.59E-04	2.63E-03
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	6	0.5	15	1.07E-04	1.13E-02	1.99E-03	6.74E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.54E-05	1.25E-01	7.28E+00	2.64E-04	1.05E-03
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	4.5	0.5	15	8.00E-05	8.49E-03	1.49E-03	5.05E-05	9.37E-01	5.98E-04	9.38E-01	9.36E-02	6.41E-05	9.37E-02	5.46E+00	1.98E-04	7.88E-04
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	15.5	0.5	15	2.76E-04	2.92E-02	5.14E-03	1.74E-04	3.23E+00	2.06E-03	3.23E+00	3.22E-01	2.21E-04	3.23E-01	1.88E+01	6.81E-04	2.71E-03
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	5	0.5	15	8.89E-05	9.43E-03	1.66E-03	5.62E-05	1.04E+00	6.64E-04	1.04E+00	1.04E-01	7.12E-05	1.04E-01	6.07E+00	2.20E-04	8.75E-04
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	6	0.5	15	1.07E-04	1.13E-02	1.99E-03	6.74E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.54E-05	1.25E-01	7.28E+00	2.64E-04	1.05E-03
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	15	0.5	15	2.60E-04	2.81E-02	4.92E-03	1.65E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.13E-04	3.12E-01	1.78E+01	6.61E-04	2.58E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	7	0.5	15	1.21E-04	1.31E-02	2.30E-03	7.70E-05	1.46E+00	9.30E-04	1.46E+00	1.46E-01	9.92E-05	1.46E-01	8.33E+00	3.08E-04	1.20E-03
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	4	0.5	15	6.93E-05	7.48E-03	1.31E-03	4.40E-05	8.33E-01	5.31E-04	8.33E-01	8.32E-02	5.67E-05	8.33E-02	4.76E+00	1.76E-04	6.87E-04
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	15	0.5	15	2.60E-04	2.81E-02	4.92E-03	1.65E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.13E-04	3.12E-01	1.78E+01	6.61E-04	2.58E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	15	0.5	15	2.60E-04	2.81E-02	4.92E-03	1.65E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.13E-04	3.12E-01	1.78E+01	6.61E-04	2.58E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	6	0.5	15	1.04E-04	1.12E-02	1.97E-03	6.60E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.51E-05	1.25E-01	7.14E+00	2.64E-04	1.03E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	2	0.5	15	3.47E-05	3.74E-03	6.57E-04	2.20E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.84E-05	4.16E-02	2.38E+00	8.81E-05	3.44E-04
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	25	0.5	15	4.33E-04	4.68E-02	8.21E-03	2.75E-04	5.21E+00	3.32E-03	5.21E+00	5.20E-01	3.54E-04	5.20E-01	2.97E+01	1.10E-03	4.29E-03
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	6	0.5	15	1.04E-04	1.12E-02	1.97E-03	6.60E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.51E-05	1.25E-01	7.14E+00	2.64E-04	1.03E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	6	0.5	15	1.02E-04	1.11E-02	1.96E-03	6.47E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.46E-05	1.25E-01	7.00E+00	2.65E-04	1.01E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	11.5	0.5	15	1.95E-04	2.13E-02	3.75E-03	1.24E-04	2.39E+00	1.53E-03	2.40E+00	2.39E-01	1.62E-04	2.39E-01	1.34E+01	5.08E-04	1.94E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	14.5	0.5	15	2.46E-04	2.69E-02	4.73E-03	1.56E-04	3.02E+00	1.93E-03	3.02E+00	3.02E-01	2.04E-04	3.02E-01	1.69E+01	6.41E-04	2.45E-03
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	14.5	0.5	15	2.46E-04	2.69E-02	4.73E-03	1.56E-04	3.02E+00	1.93E-03	3.02E+00	3.02E-01	2.04E-04	3.02E-01	1.69E+01	6.41E-04	2.45E-03
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	8.5	0.5	15	1.44E-04	1.58E-02	2.77E-03	9.17E-05	1.77E+00	1.13E-03	1.77E+00	1.77E-01	1.20E-04	1.77E-01	9.92E+00	3.76E-04	1.43E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	0.5	15	2.54E-04	2.78E-02	4.89E-03	1.62E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.12E-04	3.12E-01	1.75E+01	6.63E-04	2.53E-03
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	6	0.5	15	1.02E-04	1.11E-02	1.96E-03	6.47E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.46E-05	1.25E-01	7.00E+00	2.65E-04	1.01E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	4.5	0.5	15	7.62E-05	8.35E-03	1.47E-03	4.86E-05	9.37E-01	5.98E-04	9.38E-01	9.36E-02	6.35E-05	9.37E-02	5.25E+00	1.99E-04	7.59E-04
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	2	0.5	15	3.39E-05	3.71E-03	6.52E-04	2.16E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.82E-05	4.16E-02	2.33E+00	8.84E-05	3.37E-04
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	15.5	0.5	15	2.63E-04	2.87E-02	5.05E-03	1.67E-04	3.23E+00	2.06E-03	3.23E+00	3.22E-01	2.19E-04	3.23E-01	1.81E+01	6.85E-04	2.61E-03
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
							MT/year			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	9	0.5	15	261	1.34E+00	4.67E-05	1.94E-04	1.40E+00
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	2	0.5	15	261	2.99E-01	1.04E-05	4.30E-05	3.12E-01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	0.5	15	261	3.73E+00	1.30E-04	5.38E-04	3.90E+00
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	6	0.5	15	261	8.96E-01	3.11E-05	1.29E-04	9.35E-01
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	2	0.5	15	261	2.99E-01	1.04E-05	4.30E-05	3.12E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	0.5	15	261	2.24E+00	7.79E-05	3.23E-04	2.34E+00
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	6	0.5	15	261	8.96E-01	3.11E-05	1.29E-04	9.35E-01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	0.5	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	7	0.5	15	261	1.05E+00	3.63E-05	1.51E-04	1.09E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	6	0.5	15	261	8.96E-01	3.11E-05	1.29E-04	9.35E-01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	4	0.5	15	261	5.97E-01	2.08E-05	8.60E-05	6.24E-01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9	0.5	15	261	1.32E+00	4.69E-05	1.90E-04	1.38E+00
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2	0.5	15	261	2.93E-01	1.04E-05	4.22E-05	3.06E-01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	25	0.5	15	261	3.66E+00	1.30E-04	5.28E-04	3.83E+00
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2	0.5	15	261	2.93E-01	1.04E-05	4.22E-05	3.06E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	2	0.5	15	261	2.93E-01	1.04E-05	4.22E-05	3.06E-01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	6	0.5	15	261	8.79E-01	3.12E-05	1.27E-04	9.18E-01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7	0.5	15	261	1.03E+00	3.64E-05	1.48E-04	1.07E+00
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	6	0.5	15	261	8.79E-01	3.12E-05	1.27E-04	9.18E-01
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4	0.5	15	261	5.86E-01	2.08E-05	8.45E-05	6.12E-01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	6	0.5	15	261	8.79E-01	3.12E-05	1.27E-04	9.18E-01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	12	0.5	15	261	1.72E+00	6.24E-05	2.49E-04	1.80E+00
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	4.5	0.5	15	261	6.46E-01	2.34E-05	9.33E-05	6.75E-01
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	14.5	0.5	15	261	2.08E+00	7.54E-05	3.00E-04	2.17E+00
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	8.5	0.5	15	261	1.22E+00	4.42E-05	1.76E-04	1.27E+00
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	15	0.5	15	261	2.15E+00	7.80E-05	3.11E-04	2.25E+00
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	6	0.5	15	261	8.62E-01	3.12E-05	1.24E-04	9.00E-01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	4.5	0.5	15	261	6.46E-01	2.34E-05	9.33E-05	6.75E-01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	15.5	0.5	15	261	2.23E+00	8.06E-05	3.21E-04	2.32E+00
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	5	0.5	15	261	7.18E-01	2.60E-05	1.04E-04	7.50E-01
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	6	0.5	15	261	8.62E-01	3.12E-05	1.24E-04	9.00E-01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	15	0.5	15	260	2.10E+00	7.80E-05	3.04E-04	2.20E+00
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	7	0.5	15	260	9.82E-01	3.64E-05	1.42E-04	1.03E+00
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	4	0.5	15	260	5.61E-01	2.08E-05	8.10E-05	5.86E-01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	15	0.5	15	260	2.10E+00	7.80E-05	3.04E-04	2.20E+00
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	15	0.5	15	260	2.10E+00	7.80E-05	3.04E-04	2.20E+00
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	6	0.5	15	260	8.42E-01	3.12E-05	1.22E-04	8.79E-01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	2	0.5	15	260	2.81E-01	1.04E-05	4.05E-05	2.93E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	0.5	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	25	0.5	15	260	3.51E+00	1.30E-04	5.06E-04	3.66E+00
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	0.5	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	6	0.5	15	260	8.42E-01	3.12E-05	1.22E-04	8.79E-01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	6	0.5	15	261	8.29E-01	3.14E-05	1.20E-04	8.66E-01
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	11.5	0.5	15	261	1.59E+00	6.02E-05	2.30E-04	1.66E+00
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	14.5	0.5	15	261	2.00E+00	7.59E-05	2.89E-04	2.09E+00
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	14.5	0.5	15	261	2.00E+00	7.59E-05	2.89E-04	2.09E+00
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	8.5	0.5	15	261	1.17E+00	4.45E-05	1.70E-04	1.23E+00
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	0.5	15	261	2.07E+00	7.85E-05	2.99E-04	2.16E+00
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	6	0.5	15	261	8.29E-01	3.14E-05	1.20E-04	8.66E-01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	4.5	0.5	15	261	6.22E-01	2.36E-05	8.98E-05	6.49E-01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	2	0.5	15	261	2.76E-01	1.05E-05	3.99E-05	2.89E-01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	15.5	0.5	15	261	2.14E+00	8.11E-05	3.09E-04	2.24E+00
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	0.5	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/trip)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	9	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	2	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	6	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	2	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	6	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	7	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	6	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	4	0.5	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	25	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	2	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	6	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	6	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	6	0.5	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	12	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	4.5	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	14.5	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	8.5	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	15	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	6	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	4.5	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	15.5	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	5	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	6	0.5	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	15	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	7	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	4	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	15	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	15	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	6	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	2	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	25	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	6	0.5	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	6	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	11.5	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	14.5	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	14.5	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	8.5	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	6	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	4.5	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	2	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	15.5	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	0.5	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	9	0.5	15	8.66E-04	2.00E-02	5.30E-03	5.05E-07	0.00E+00	5.46E-07	5.46E-07	0.00E+00	5.02E-07	5.02E-07	5.10E-02	4.89E-05	4.04E-05
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	2	0.5	15	1.93E-04	4.44E-03	1.18E-03	1.12E-07	0.00E+00	1.21E-07	1.21E-07	0.00E+00	1.12E-07	1.12E-07	1.13E-02	1.09E-05	8.99E-06
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	0.5	15	2.41E-03	5.55E-02	1.47E-02	1.40E-06	0.00E+00	1.52E-06	1.52E-06	0.00E+00	1.39E-06	1.39E-06	1.42E-01	1.36E-04	1.12E-04
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	6	0.5	15	5.78E-04	1.33E-02	3.53E-03	3.36E-07	0.00E+00	3.64E-07	3.64E-07	0.00E+00	3.35E-07	3.35E-07	3.40E-02	3.26E-05	2.70E-05
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	2	0.5	15	1.93E-04	4.44E-03	1.18E-03	1.12E-07	0.00E+00	1.21E-07	1.21E-07	0.00E+00	1.12E-07	1.12E-07	1.13E-02	1.09E-05	8.99E-06
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	0.5	15	1.44E-03	3.33E-02	8.83E-03	8.41E-07	0.00E+00	9.10E-07	9.10E-07	0.00E+00	8.37E-07	8.37E-07	8.50E-02	8.16E-05	6.74E-05
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	6	0.5	15	5.78E-04	1.33E-02	3.53E-03	3.36E-07	0.00E+00	3.64E-07	3.64E-07	0.00E+00	3.35E-07	3.35E-07	3.40E-02	3.26E-05	2.70E-05
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	7	0.5	15	6.74E-04	1.55E-02	4.12E-03	3.92E-07	0.00E+00	4.25E-07	4.25E-07	0.00E+00	3.91E-07	3.91E-07	3.97E-02	3.81E-05	3.15E-05
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	6	0.5	15	5.78E-04	1.33E-02	3.53E-03	3.36E-07	0.00E+00	3.64E-07	3.64E-07	0.00E+00	3.35E-07	3.35E-07	3.40E-02	3.26E-05	2.70E-05
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	4	0.5	15	3.85E-04	8.88E-03	2.35E-03	2.24E-07	0.00E+00	2.43E-07	2.43E-07	0.00E+00	2.23E-07	2.23E-07	2.27E-02	2.18E-05	1.80E-05
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9	0.5	15	8.19E-04	2.00E-02	4.99E-03	4.85E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	4.90E-02	4.68E-05	3.95E-05
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2	0.5	15	1.82E-04	4.45E-03	1.11E-03	1.08E-07	0.00E+00	1.18E-07	1.18E-07	0.00E+00	1.08E-07	1.08E-07	1.09E-02	1.04E-05	8.78E-06
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	25	0.5	15	2.27E-03	5.56E-02	1.39E-02	1.35E-06	0.00E+00	1.47E-06	1.47E-06	0.00E+00	1.36E-06	1.36E-06	1.36E-01	1.30E-04	1.10E-04
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2	0.5	15	1.82E-04	4.45E-03	1.11E-03	1.08E-07	0.00E+00	1.18E-07	1.18E-07	0.00E+00	1.08E-07	1.08E-07	1.09E-02	1.04E-05	8.78E-06
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	2	0.5	15	1.82E-04	4.45E-03	1.11E-03	1.08E-07	0.00E+00	1.18E-07	1.18E-07	0.00E+00	1.08E-07	1.08E-07	1.09E-02	1.04E-05	8.78E-06
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	6	0.5	15	5.46E-04	1.34E-02	3.33E-03	3.23E-07	0.00E+00	3.54E-07	3.54E-07	0.00E+00	3.25E-07	3.25E-07	3.27E-02	3.12E-05	2.63E-05
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7	0.5	15	6.37E-04	1.56E-02	3.88E-03	3.77E-07	0.00E+00	4.13E-07	4.13E-07	0.00E+00	3.80E-07	3.80E-07	3.81E-02	3.64E-05	3.07E-05
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	6	0.5	15	5.46E-04	1.34E-02	3.33E-03	3.23E-07	0.00E+00	3.54E-07	3.54E-07	0.00E+00	3.25E-07	3.25E-07	3.27E-02	3.12E-05	2.63E-05
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4	0.5	15	3.64E-04	8.90E-03	2.22E-03	2.15E-07	0.00E+00	2.36E-07	2.36E-07	0.00E+00	2.17E-07	2.17E-07	2.18E-02	2.08E-05	1.76E-05
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	6	0.5	15	5.46E-04	1.34E-02	3.33E-03	3.23E-07	0.00E+00	3.54E-07	3.54E-07	0.00E+00	3.25E-07	3.25E-07	3.27E-02	3.12E-05	2.63E-05
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	12	0.5	15	1.04E-03	2.68E-02	6.29E-03	6.21E-07	0.00E+00	6.91E-07	6.91E-07	0.00E+00	6.35E-07	6.35E-07	6.28E-02	5.98E-05	5.15E-05
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	4.5	0.5	15	3.88E-04	1.00E-02	2.36E-03	2.33E-07	0.00E+00	2.59E-07	2.59E-07	0.00E+00	2.38E-07	2.38E-07	2.35E-02	2.24E-05	1.93E-05
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	14.5	0.5	15	1.25E-03	3.24E-02	7.60E-03	7.51E-07	0.00E+00	8.35E-07	8.35E-07	0.00E+00	7.67E-07	7.67E-07	7.59E-02	7.22E-05	6.23E-05
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	8.5	0.5	15	7.33E-04	1.90E-02	4.46E-03	4.40E-07	0.00E+00	4.89E-07	4.89E-07	0.00E+00	4.50E-07	4.50E-07	4.45E-02	4.23E-05	3.65E-05
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	15	0.5	15	1.29E-03	3.35E-02	7.86E-03	7.77E-07	0.00E+00	8.63E-07	8.63E-07	0.00E+00	7.94E-07	7.94E-07	7.85E-02	7.47E-05	6.44E-05
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	6	0.5	15	5.18E-04	1.34E-02	3.15E-03	3.11E-07	0.00E+00	3.45E-07	3.45E-07	0.00E+00	3.18E-07	3.18E-07	3.14E-02	2.99E-05	2.58E-05
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	4.5	0.5	15	3.88E-04	1.00E-02	2.36E-03	2.33E-07	0.00E+00	2.59E-07	2.59E-07	0.00E+00	2.38E-07	2.38E-07	2.35E-02	2.24E-05	1.93E-05
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	15.5	0.5	15	1.34E-03	3.46E-02	8.13E-03	8.03E-07	0.00E+00	8.92E-07	8.92E-07	0.00E+00	8.20E-07	8.20E-07	8.11E-02	7.72E-05	6.66E-05
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	5	0.5	15	4.31E-04	1.12E-02	2.62E-03	2.59E-07	0.00E+00	2.88E-07	2.88E-07	0.00E+00	2.65E-07	2.65E-07	2.62E-02	2.49E-05	2.15E-05
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	6	0.5	15	5.18E-04	1.34E-02	3.15E-03	3.11E-07	0.00E+00	3.45E-07	3.45E-07	0.00E+00	3.18E-07	3.18E-07	3.14E-02	2.99E-05	2.58E-05
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	15	0.5	15	1.24E-03	3.36E-02	7.49E-03	7.51E-07	0.00E+00	8.50E-07	8.50E-07	0.00E+00	7.81E-07	7.81E-07	7.59E-02	7.22E-05	6.34E-05
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	7	0.5	15	5.77E-04	1.57E-02	3.50E-03	3.50E-07	0.00E+00	3.96E-07	3.96E-07	0.00E+00	3.65E-07	3.65E-07	3.54E-02	3.37E-05	2.96E-05
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	4	0.5	15	3.30E-04	8.95E-03	2.00E-03	2.00E-07	0.00E+00	2.27E-07	2.27E-07	0.00E+00	2.08E-07	2.08E-07	2.02E-02	1.92E-05	1.69E-05
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	15	0.5	15	1.24E-03	3.36E-02	7.49E-03	7.51E-07	0.00E+00	8.50E-07	8.50E-07	0.00E+00	7.81E-07	7.81E-07	7.59E-02	7.22E-05	6.34E-05
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	15	0.5	15	1.24E-03	3.36E-02	7.49E-03	7.51E-07	0.00E+00	8.50E-07	8.50E-07	0.00E+00	7.81E-07	7.81E-07	7.59E-02	7.22E-05	6.34E-05
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	6	0.5	15	4.94E-04	1.34E-02	3.00E-03	3.00E-07	0.00E+00	3.40E-07	3.40E-07	0.00E+00	3.12E-07	3.12E-07	3.03E-02	2.89E-05	2.54E-05
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	2	0.5	15	1.65E-04	4.47E-03	9.99E-04	1.00E-07	0.00E+00	1.13E-07	1.13E-07	0.00E+00	1.04E-07	1.04E-07	1.01E-02	9.62E-06	8.46E-06
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	25	0.5	15	2.06E-03	5.59E-02	1.25E-02	1.25E-06	0.00E+00	1.42E-06	1.42E-06	0.00E+00	1.30E-06	1.30E-06	1.26E-01	1.20E-04	1.06E-04
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	6	0.5	15	4.94E-04	1.34E-02	3.00E-03	3.00E-07	0.00E+00	3.40E-07	3.40E-07	0.00E+00	3.12E-07	3.12E-07	3.03E-02	2.89E-05	2.54E-05
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	6	0.5	15	4.73E-04	1.35E-02	2.86E-03	2.91E-07	0.00E+00	3.35E-07	3.35E-07	0.00E+00	3.08E-07	3.08E-07	2.94E-02	2.80E-05	2.50E-05
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	11.5	0.5	15	9.07E-04	2.58E-02	5.49E-03	5.57E-07	0.00E+00	6.42E-07	6.42E-07	0.00E+00	5.91E-07	5.91E-07	5.63E-02	5.36E-05	4.80E-05
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	14.5	0.5	15	1.14E-03	3.25E-02	6.92E-03	7.03E-07	0.00E+00	8.10E-07	8.10E-07	0.00E+00	7.45E-07	7.45E-07	7.10E-02	6.76E-05	6.05E-05
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	14.5	0.5	15	1.14E-03	3.25E-02	6.92E-03	7.03E-07	0.00E+00	8.10E-07	8.10E-07	0.00E+00	7.45E-07	7.45E-07	7.10E-02	6.76E-05	6.05E-05
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	8.5	0.5	15	6.70E-04	1.91E-02	4.06E-03	4.12E-07	0.00E+00	4.75E-07	4.75E-07	0.00E+00	4.37E-07	4.37E-07	4.16E-02	3.96E-05	3.55E-05
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	0.5	15	1.18E-03	3.36E-02	7.16E-03	7.27E-07	0.00E+00	8.38E-07	8.38E-07	0.00E+00	7.71E-07	7.71E-07	7.35E-02	6.99E-05	6.26E-05
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	6	0.5	15	4.73E-04	1.35E-02	2.86E-03	2.91E-07	0.00E+00	3.35E-07	3.35E-07	0.00E+00	3.08E-07	3.08E-07	2.94E-02	2.80E-05	2.50E-05
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	4.5	0.5	15	3.55E-04	1.01E-02	2.15E-03	2.18E-07	0.00E+00	2.51E-07	2.51E-07	0.00E+00	2.31E-07	2.31E-07	2.20E-02	2.10E-05	1.88E-05
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	2	0.5	15	1.58E-04	4.48E-03	9.55E-04	9.70E-08	0.00E+00	1.12E-07	1.12E-07	0.00E+00	1.03E-07	1.03E-07	9.80E-03	9.33E-06	8.35E-06
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	15.5	0.5	15	1.22E-03	3.48E-02	7.40E-03	7.51E-07	0.00E+00	8.66E-07	8.66E-07	0.00E+00	7.96E-07	7.96E-07	7.59E-02	7.23E-05	6.47E-05
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
							MT/year			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	9	0.5	15	261	0.00603648	5.7943E-06	4.7877E-06	7.61E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	2	0.5	15	261	0.00134144	1.2876E-06	1.0639E-06	1.69E-03
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	0.5	15	261	0.016768	1.6095E-05	1.3299E-05	2.11E-02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	6	0.5	15	261	0.00402432	3.8629E-06	3.1918E-06	5.07E-03
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	2	0.5	15	261	0.00134144	1.2876E-06	1.0639E-06	1.69E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	0.5	15	261	0.0100608	9.6572E-06	7.9795E-06	1.27E-02
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	6	0.5	15	261	0.00402432	3.8629E-06	3.1918E-06	5.07E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	0.5	15	261	0	0	0	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	7	0.5	15	261	0.00469504	4.5067E-06	3.7238E-06	5.92E-03
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	6	0.5	15	261	0.00402432	3.8629E-06	3.1918E-06	5.07E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	4	0.5	15	261	0.00268288	2.5753E-06	2.1279E-06	3.38E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9	0.5	15	261	0.0058004	5.5373E-06	4.6779E-06	7.33E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2	0.5	15	261	0.00128898	1.2305E-06	1.0395E-06	1.63E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	25	0.5	15	261	0.01611223	1.5381E-05	1.2994E-05	2.04E-02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2	0.5	15	261	0.00128898	1.2305E-06	1.0395E-06	1.63E-03
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	2	0.5	15	261	0.00128898	1.2305E-06	1.0395E-06	1.63E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	6	0.5	15	261	0.00386694	3.6915E-06	3.1186E-06	4.89E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7	0.5	15	261	0.00451142	4.3068E-06	3.6384E-06	5.70E-03
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	6	0.5	15	261	0.00386694	3.6915E-06	3.1186E-06	4.89E-03
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	15	261	0	0	0	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4	0.5	15	261	0.00257796	2.461E-06	2.0791E-06	3.26E-03
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	6	0.5	15	261	0.00386694	3.6915E-06	3.1186E-06	4.89E-03
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	12	0.5	15	261	0.00743376	7.0771E-06	6.1025E-06	9.43E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	4.5	0.5	15	261	0.00278766	2.6539E-06	2.2884E-06	3.54E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	14.5	0.5	15	261	0.00898246	8.5515E-06	7.3738E-06	1.14E-02
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	8.5	0.5	15	261	0.00526558	5.013E-06	4.3226E-06	6.68E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	15	0.5	15	261	0.0092922	8.8464E-06	7.6281E-06	1.18E-02
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	6	0.5	15	261	0.00371688	3.5386E-06	3.0512E-06	4.71E-03
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	4.5	0.5	15	261	0.00278766	2.6539E-06	2.2884E-06	3.54E-03
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	15.5	0.5	15	261	0.00960194	9.1413E-06	7.8824E-06	1.22E-02
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	15	261	0	0	0	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	5	0.5	15	261	0.0030974	2.9488E-06	2.5427E-06	3.93E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	6	0.5	15	261	0.00371688	3.5386E-06	3.0512E-06	4.71E-03
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	15	0.5	15	260	0.00894766	8.511E-06	7.4809E-06	1.14E-02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	7	0.5	15	260	0.00417557	3.9718E-06	3.4911E-06	5.32E-03
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	4	0.5	15	260	0.00238604	2.2696E-06	1.9949E-06	3.04E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	15	0.5	15	260	0.00894766	8.511E-06	7.4809E-06	1.14E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	15	0.5	15	260	0.00894766	8.511E-06	7.4809E-06	1.14E-02
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	6	0.5	15	260	0.00357906	3.4044E-06	2.9923E-06	4.56E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	2	0.5	15	260	0.00119302	1.1348E-06	9.9745E-07	1.52E-03
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	0.5	15	260	0	0	0	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	25	0.5	15	260	0.01491276	1.4185E-05	1.2468E-05	1.90E-02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	0.5	15	260	0	0	0	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	6	0.5	15	260	0.00357906	3.4044E-06	2.9923E-06	4.56E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	6	0.5	15	261	0.00347974	3.3124E-06	2.9646E-06	4.45E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	11.5	0.5	15	261	0.0066695	6.3487E-06	5.6821E-06	8.52E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	14.5	0.5	15	261	0.00840937	8.0049E-06	7.1644E-06	1.07E-02
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	14.5	0.5	15	261	0.00840937	8.0049E-06	7.1644E-06	1.07E-02
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	8.5	0.5	15	261	0.00492963	4.6925E-06	4.1998E-06	6.30E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	0.5	15	261	0.00869935	8.2809E-06	7.4114E-06	1.11E-02
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	6	0.5	15	261	0.00347974	3.3124E-06	2.9646E-06	4.45E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	4.5	0.5	15	261	0.0026098	2.4843E-06	2.2234E-06	3.33E-03
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	2	0.5	15	261	0.00115991	1.1041E-06	9.8819E-07	1.48E-03
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	15.5	0.5	15	261	0.00898933	8.557E-06	7.6585E-06	1.15E-02
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	0.5	15	261	0	0	0	0.00E+00

Vendor Idling Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/min)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	9	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	2	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	6	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	2	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	6	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	7	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	6	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	4	0.5	15	5.93E-02	4.89E-01	9.57E-01	1.01E-03	0.00E+00	2.84E-04	2.84E-04	0.00E+00	2.72E-04	2.72E-04	1.06E+02	6.40E-03	8.01E-02
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	25	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	2	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	6	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	6	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	6	0.5	15	5.84E-02	4.84E-01	9.47E-01	9.94E-04	0.00E+00	2.60E-04	2.60E-04	0.00E+00	2.48E-04	2.48E-04	1.05E+02	6.31E-03	7.89E-02
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	12	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	4.5	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	14.5	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	8.5	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	15	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	6	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	4.5	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	15.5	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	5	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	6	0.5	15	5.76E-02	4.80E-01	9.37E-01	9.77E-04	0.00E+00	2.39E-04	2.39E-04	0.00E+00	2.29E-04	2.29E-04	1.03E+02	6.22E-03	7.77E-02
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	15	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	7	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	4	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	15	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	15	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	6	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	2	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	25	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	6	0.5	15	5.70E-02	4.76E-01	9.30E-01	9.61E-04	0.00E+00	2.22E-04	2.22E-04	0.00E+00	2.12E-04	2.12E-04	1.01E+02	6.16E-03	7.68E-02
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	6	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	11.5	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	14.5	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	14.5	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	8.5	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	6	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	4.5	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	2	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	15.5	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	0.5	15	5.64E-02	4.72E-01	9.24E-01	9.45E-04	0.00E+00	2.07E-04	2.07E-04	0.00E+00	1.98E-04	1.98E-04	9.97E+01	6.11E-03	7.60E-02

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	9	0.5	15	1.49E-01	5.88E-04	4.85E-03	9.50E-03	1.00E-05	0.00E+00	2.82E-06	2.82E-06	0.00E+00	2.70E-06	2.70E-06	1.05E+00	6.35E-05
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	2	0.5	15	3.31E-02	1.31E-04	1.08E-03	2.11E-03	2.23E-06	0.00E+00	6.27E-07	6.27E-07	0.00E+00	5.99E-07	5.99E-07	2.34E-01	1.41E-05
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	0.5	15	4.13E-01	1.63E-03	1.35E-02	2.64E-02	2.78E-05	0.00E+00	7.83E-06	7.83E-06	0.00E+00	7.49E-06	7.49E-06	2.93E+00	1.76E-04
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	6	0.5	15	9.92E-02	3.92E-04	3.23E-03	6.33E-03	6.68E-06	0.00E+00	1.88E-06	1.88E-06	0.00E+00	1.80E-06	1.80E-06	7.03E-01	4.23E-05
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	2	0.5	15	3.31E-02	1.31E-04	1.08E-03	2.11E-03	2.23E-06	0.00E+00	6.27E-07	6.27E-07	0.00E+00	5.99E-07	5.99E-07	2.34E-01	1.41E-05
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	0.5	15	2.48E-01	9.81E-04	8.09E-03	1.58E-02	1.67E-05	0.00E+00	4.70E-06	4.70E-06	0.00E+00	4.50E-06	4.50E-06	1.76E+00	1.06E-04
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	6	0.5	15	9.92E-02	3.92E-04	3.23E-03	6.33E-03	6.68E-06	0.00E+00	1.88E-06	1.88E-06	0.00E+00	1.80E-06	1.80E-06	7.03E-01	4.23E-05
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	7	0.5	15	1.16E-01	4.58E-04	3.77E-03	7.39E-03	7.80E-06	0.00E+00	2.19E-06	2.19E-06	0.00E+00	2.10E-06	2.10E-06	8.20E-01	4.94E-05
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	6	0.5	15	9.92E-02	3.92E-04	3.23E-03	6.33E-03	6.68E-06	0.00E+00	1.88E-06	1.88E-06	0.00E+00	1.80E-06	1.80E-06	7.03E-01	4.23E-05
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	4	0.5	15	6.61E-02	2.62E-04	2.16E-03	4.22E-03	4.46E-06	0.00E+00	1.25E-06	1.25E-06	0.00E+00	1.20E-06	1.20E-06	4.69E-01	2.82E-05
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9	0.5	15	1.49E-01	5.80E-04	4.80E-03	9.40E-03	9.86E-06	0.00E+00	2.58E-06	2.58E-06	0.00E+00	2.46E-06	2.46E-06	1.04E+00	6.26E-05
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2	0.5	15	3.31E-02	1.29E-04	1.07E-03	2.09E-03	2.19E-06	0.00E+00	5.72E-07	5.72E-07	0.00E+00	5.48E-07	5.48E-07	2.31E-01	1.39E-05
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	25	0.5	15	4.13E-01	1.61E-03	1.33E-02	2.61E-02	2.74E-05	0.00E+00	7.16E-06	7.16E-06	0.00E+00	6.85E-06	6.85E-06	2.88E+00	1.74E-04
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2	0.5	15	3.31E-02	1.29E-04	1.07E-03	2.09E-03	2.19E-06	0.00E+00	5.72E-07	5.72E-07	0.00E+00	5.48E-07	5.48E-07	2.31E-01	1.39E-05
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	2	0.5	15	3.31E-02	1.29E-04	1.07E-03	2.09E-03	2.19E-06	0.00E+00	5.72E-07	5.72E-07	0.00E+00	5.48E-07	5.48E-07	2.31E-01	1.39E-05
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	6	0.5	15	9.92E-02	3.86E-04	3.20E-03	6.26E-03	6.57E-06	0.00E+00	1.72E-06	1.72E-06	0.00E+00	1.64E-06	1.64E-06	6.92E-01	4.17E-05
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7	0.5	15	1.16E-01	4.51E-04	3.73E-03	7.31E-03	7.67E-06	0.00E+00	2.00E-06	2.00E-06	0.00E+00	1.92E-06	1.92E-06	8.08E-01	4.87E-05
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	6	0.5	15	9.92E-02	3.86E-04	3.20E-03	6.26E-03	6.57E-06	0.00E+00	1.72E-06	1.72E-06	0.00E+00	1.64E-06	1.64E-06	6.92E-01	4.17E-05
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4	0.5	15	6.61E-02	2.58E-04	2.13E-03	4.18E-03	4.38E-06	0.00E+00	1.14E-06	1.14E-06	0.00E+00	1.10E-06	1.10E-06	4.61E-01	2.78E-05
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	6	0.5	15	9.92E-02	3.86E-04	3.20E-03	6.26E-03	6.57E-06	0.00E+00	1.72E-06	1.72E-06	0.00E+00	1.64E-06	1.64E-06	6.92E-01	4.17E-05
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	12	0.5	15	1.98E-01	7.62E-04	6.34E-03	1.24E-02	1.29E-05	0.00E+00	3.16E-06	3.16E-06	0.00E+00	3.02E-06	3.02E-06	1.36E+00	8.23E-05
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	4.5	0.5	15	7.44E-02	2.86E-04	2.38E-03	4.65E-03	4.85E-06	0.00E+00	1.18E-06	1.18E-06	0.00E+00	1.13E-06	1.13E-06	5.11E-01	3.09E-05
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	14.5	0.5	15	2.40E-01	9.21E-04	7.66E-03	1.50E-02	1.56E-05	0.00E+00	3.82E-06	3.82E-06	0.00E+00	3.65E-06	3.65E-06	1.65E+00	9.94E-05
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	8.5	0.5	15	1.41E-01	5.40E-04	4.49E-03	8.78E-03	9.15E-06	0.00E+00	2.24E-06	2.24E-06	0.00E+00	2.14E-06	2.14E-06	9.65E-01	5.83E-05
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	15	0.5	15	2.48E-01	9.52E-04	7.93E-03	1.55E-02	1.62E-05	0.00E+00	3.95E-06	3.95E-06	0.00E+00	3.78E-06	3.78E-06	1.70E+00	1.03E-04
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	6	0.5	15	9.92E-02	3.81E-04	3.17E-03	6.20E-03	6.46E-06	0.00E+00	1.58E-06	1.58E-06	0.00E+00	1.51E-06	1.51E-06	6.81E-01	4.11E-05
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	4.5	0.5	15	7.44E-02	2.86E-04	2.38E-03	4.65E-03	4.85E-06	0.00E+00	1.18E-06	1.18E-06	0.00E+00	1.13E-06	1.13E-06	5.11E-01	3.09E-05
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	15.5	0.5	15	2.56E-01	9.84E-04	8.19E-03	1.60E-02	1.67E-05	0.00E+00	4.08E-06	4.08E-06	0.00E+00	3.90E-06	3.90E-06	1.76E+00	1.06E-04
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	5	0.5	15	8.27E-02	3.17E-04	2.64E-03	5.17E-03	5.38E-06	0.00E+00	1.32E-06	1.32E-06	0.00E+00	1.26E-06	1.26E-06	5.67E-01	3.43E-05
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	6	0.5	15	9.92E-02	3.81E-04	3.17E-03	6.20E-03	6.46E-06	0.00E+00	1.58E-06	1.58E-06	0.00E+00	1.51E-06	1.51E-06	6.81E-01	4.11E-05
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	15	0.5	15	2.48E-01	9.42E-04	7.86E-03	1.54E-02	1.59E-05	0.00E+00	3.67E-06	3.67E-06	0.00E+00	3.51E-06	3.51E-06	1.67E+00	1.02E-04
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	7	0.5	15	1.16E-01	4.40E-04	3.67E-03	7.18E-03	7.41E-06	0.00E+00	1.71E-06	1.71E-06	0.00E+00	1.64E-06	1.64E-06	7.82E-01	4.76E-05
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	4	0.5	15	6.61E-02	2.51E-04	2.10E-03	4.10E-03	4.24E-06	0.00E+00	9.79E-07	9.79E-07	0.00E+00	9.37E-07	9.37E-07	4.47E-01	2.72E-05
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	15	0.5	15	2.48E-01	9.42E-04	7.86E-03	1.54E-02	1.59E-05	0.00E+00	3.67E-06	3.67E-06	0.00E+00	3.51E-06	3.51E-06	1.67E+00	1.02E-04
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	15	0.5	15	2.48E-01	9.42E-04	7.86E-03	1.54E-02	1.59E-05	0.00E+00	3.67E-06	3.67E-06	0.00E+00	3.51E-06	3.51E-06	1.67E+00	1.02E-04
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	6	0.5	15	9.92E-02	3.77E-04	3.14E-03	6.15E-03	6.35E-06	0.00E+00	1.47E-06	1.47E-06	0.00E+00	1.40E-06	1.40E-06	6.70E-01	4.08E-05
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	2	0.5	15	3.31E-02	1.26E-04	1.05E-03	2.05E-03	2.12E-06	0.00E+00	4.89E-07	4.89E-07	0.00E+00	4.68E-07	4.68E-07	2.23E-01	1.36E-05
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	25	0.5	15	4.13E-01	1.57E-03	1.31E-02	2.56E-02	2.65E-05	0.00E+00	6.12E-06	6.12E-06	0.00E+00	5.85E-06	5.85E-06	2.79E+00	1.70E-04
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	6	0.5	15	9.92E-02	3.77E-04	3.14E-03	6.15E-03	6.35E-06	0.00E+00	1.47E-06	1.47E-06	0.00E+00	1.40E-06	1.40E-06	6.70E-01	4.08E-05
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	6	0.5	15	9.92E-02	3.73E-04	3.12E-03	6.11E-03	6.25E-06	0.00E+00	1.37E-06	1.37E-06	0.00E+00	1.31E-06	1.31E-06	6.59E-01	4.04E-05
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	11.5	0.5	15	1.90E-01	7.15E-04	5.98E-03	1.17E-02	1.20E-05	0.00E+00	2.63E-06	2.63E-06	0.00E+00	2.51E-06	2.51E-06	1.26E+00	7.75E-05
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	14.5	0.5	15	2.40E-01	9.02E-04	7.54E-03	1.48E-02	1.51E-05	0.00E+00	3.31E-06	3.31E-06	0.00E+00	3.17E-06	3.17E-06	1.59E+00	9.77E-05
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	14.5	0.5	15	2.40E-01	9.02E-04	7.54E-03	1.48E-02	1.51E-05	0.00E+00	3.31E-06	3.31E-06	0.00E+00	3.17E-06	3.17E-06	1.59E+00	9.77E-05
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	8.5	0.5	15	1.41E-01	5.28E-04	4.42E-03	8.66E-03	8.85E-06	0.00E+00	1.94E-06	1.94E-06	0.00E+00	1.86E-06	1.86E-06	9.34E-01	5.73E-05
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	0.5	15	2.48E-01	9.33E-04	7.80E-03	1.53E-02	1.56E-05	0.00E+00	3.43E-06	3.43E-06	0.00E+00	3.28E-06	3.28E-06	1.65E+00	1.01E-04
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	6	0.5	15	9.92E-02	3.73E-04	3.12E-03	6.11E-03	6.25E-06	0.00E+00	1.37E-06	1.37E-06	0.00E+00	1.31E-06	1.31E-06	6.59E-01	4.04E-05
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	4.5	0.5	15	7.44E-02	2.80E-04	2.34E-03	4.58E-03	4.69E-06	0.00E+00	1.03E-06	1.03E-06	0.00E+00	9.84E-07	9.84E-07	4.95E-01	3.03E-05
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	2	0.5	15	3.31E-02	1.24E-04	1.04E-03	2.04E-03	2.08E-06	0.00E+00	4.57E-07	4.57E-07	0.00E+00	4.37E-07	4.37E-07	2.20E-01	1.35E-05
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	15.5	0.5	15	2.56E-01	9.64E-04	8.06E-03	1.58E-02	1.61E-05	0.00E+00	3.54E-06	3.54E-06	0.00E+00	3.39E-06	3.39E-06	1.70E+00	1.04E-04
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
							MT/year			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	9	0.5	15	261	3.1937E-07	0.12487787	7.5139E-06	3.12E+00
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	2	0.5	15	261	7.0971E-08	0.02775064	1.6698E-06	6.94E-01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	0.5	15	261	8.8714E-07	0.34688296	2.0872E-05	8.68E+00
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	6	0.5	15	261	2.1291E-07	0.08325191	5.0093E-06	2.08E+00
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	2	0.5	15	261	7.0971E-08	0.02775064	1.6698E-06	6.94E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	0.5	15	261	5.3228E-07	0.20812978	1.2523E-05	5.21E+00
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	6	0.5	15	261	2.1291E-07	0.08325191	5.0093E-06	2.08E+00
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	0.5	15	261	0	0	0	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	7	0.5	15	261	2.484E-07	0.09712723	5.8441E-06	2.43E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	6	0.5	15	261	2.1291E-07	0.08325191	5.0093E-06	2.08E+00
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	4	0.5	15	261	1.4194E-07	0.05550127	3.3395E-06	1.39E+00
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9	0.5	15	261	2.9178E-07	0.12292619	7.408E-06	3.08E+00
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2	0.5	15	261	6.484E-08	0.02731693	1.6462E-06	6.83E-01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	25	0.5	15	261	8.1051E-07	0.34146165	2.0578E-05	8.54E+00
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2	0.5	15	261	6.484E-08	0.02731693	1.6462E-06	6.83E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	2	0.5	15	261	6.484E-08	0.02731693	1.6462E-06	6.83E-01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	6	0.5	15	261	1.9452E-07	0.0819508	4.9386E-06	2.05E+00
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7	0.5	15	261	2.2694E-07	0.09560926	5.7617E-06	2.39E+00
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	6	0.5	15	261	1.9452E-07	0.0819508	4.9386E-06	2.05E+00
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	0.5	15	261	0	0	0	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4	0.5	15	261	1.2968E-07	0.05463386	3.2924E-06	1.37E+00
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	6	0.5	15	261	1.9452E-07	0.0819508	4.9386E-06	2.05E+00
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	12	0.5	15	261	3.5787E-07	0.16123852	9.7422E-06	4.03E+00
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	4.5	0.5	15	261	1.342E-07	0.06046444	3.6533E-06	1.51E+00
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	14.5	0.5	15	261	4.3242E-07	0.19482988	1.1772E-05	4.87E+00
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	8.5	0.5	15	261	2.5349E-07	0.11421062	6.9007E-06	2.86E+00
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	15	0.5	15	261	4.4734E-07	0.20154815	1.2178E-05	5.04E+00
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	6	0.5	15	261	1.7893E-07	0.08061926	4.8711E-06	2.02E+00
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	4.5	0.5	15	261	1.342E-07	0.06046444	3.6533E-06	1.51E+00
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	15.5	0.5	15	261	4.6225E-07	0.20826642	1.2584E-05	5.21E+00
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	0.5	15	261	0	0	0	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	5	0.5	15	261	1.4911E-07	0.06718272	4.0593E-06	1.68E+00
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	6	0.5	15	261	1.7893E-07	0.08061926	4.8711E-06	2.02E+00
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	15	0.5	15	260	4.1419E-07	0.19753751	1.2019E-05	4.94E+00
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	7	0.5	15	260	1.9329E-07	0.09218417	5.6088E-06	2.31E+00
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	4	0.5	15	260	1.1045E-07	0.05267667	3.205E-06	1.32E+00
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	15	0.5	15	260	4.1419E-07	0.19753751	1.2019E-05	4.94E+00
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	15	0.5	15	260	4.1419E-07	0.19753751	1.2019E-05	4.94E+00
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	6	0.5	15	260	1.6567E-07	0.079015	4.8075E-06	1.98E+00
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	2	0.5	15	260	5.5225E-08	0.02633833	1.6025E-06	6.59E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	0.5	15	260	0	0	0	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	25	0.5	15	260	6.9031E-07	0.32922918	2.0031E-05	8.24E+00
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	0.5	15	260	0	0	0	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	6	0.5	15	260	1.6567E-07	0.079015	4.8075E-06	1.98E+00
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	6	0.5	15	261	1.553E-07	0.07806311	4.787E-06	1.95E+00
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	11.5	0.5	15	261	2.9766E-07	0.14962096	9.1751E-06	3.74E+00
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	14.5	0.5	15	261	3.7531E-07	0.18865252	1.1569E-05	4.72E+00
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	14.5	0.5	15	261	3.7531E-07	0.18865252	1.1569E-05	4.72E+00
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	8.5	0.5	15	261	2.2001E-07	0.11058941	6.7816E-06	2.77E+00
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	0.5	15	261	3.8825E-07	0.19515778	1.1968E-05	4.88E+00
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	6	0.5	15	261	1.553E-07	0.07806311	4.787E-06	1.95E+00
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	4.5	0.5	15	261	1.1647E-07	0.05854733	3.5903E-06	1.46E+00
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	2	0.5	15	261	5.1766E-08	0.02602104	1.5957E-06	6.51E-01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	15.5	0.5	15	261	4.0119E-07	0.20166304	1.2366E-05	5.05E+00
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	0.5	15	261	0	0	0	0.00E+00

Haul Running Emission Factors

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission Factor (g/mile)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1705	7	0.5	1.85E-02	2.46E+00	1.99E-01	1.19E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	26	0	0.5	1.85E-02	2.46E+00	1.99E-01	1.19E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	0.5	1.85E-02	2.46E+00	1.99E-01	1.19E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	0	0	0.5	1.85E-02	2.46E+00	1.99E-01	1.19E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	7512	29	0.5	1.85E-02	2.46E+00	1.99E-01	1.19E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	2191	8	0.5	1.85E-02	2.46E+00	1.99E-01	1.19E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	5008	19	0.5	1.85E-02	2.46E+00	1.99E-01	1.19E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	0.5	1.85E-02	2.46E+00	1.99E-01	1.19E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	0.5	1.85E-02	2.46E+00	1.99E-01	1.19E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	528	2	0.5	1.85E-02	2.46E+00	1.99E-01	1.19E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	624	2	0.5	1.85E-02	2.46E+00	1.99E-01	1.19E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.95E-02	1.89E+01	1.26E+03	8.61E-04	1.99E-01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	1705	7	0.5	1.85E-02	2.46E+00	1.99E-01	1.17E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	52	0	0.5	1.85E-02	2.46E+00	1.99E-01	1.17E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	6260	24	0.5	1.85E-02	2.46E+00	1.99E-01	1.17E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	7512	29	0.5	1.85E-02	2.46E+00	1.99E-01	1.17E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	7512	29	0.5	1.85E-02	2.46E+00	1.99E-01	1.17E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	5008	19	0.5	1.85E-02	2.46E+00	1.99E-01	1.17E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	0	0	0.5	1.85E-02	2.46E+00	1.99E-01	1.17E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	0	0	0.5	1.85E-02	2.46E+00	1.99E-01	1.17E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	0.5	1.85E-02	2.46E+00	1.99E-01	1.17E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	624	2	0.5	1.85E-02	2.46E+00	1.99E-01	1.17E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	528	2	0.5	1.85E-02	2.46E+00	1.99E-01	1.17E-02	1.89E+02	2.03E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.24E+03	8.61E-04	1.95E-01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	2945	11	0.5	1.85E-02	2.46E+00	1.99E-01	1.15E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	26	0	0.5	1.85E-02	2.46E+00	1.99E-01	1.15E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	3442	13	0.5	1.85E-02	2.46E+00	1.99E-01	1.15E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	5848.5	22	0.5	1.85E-02	2.46E+00	1.99E-01	1.15E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	2191	8	0.5	1.85E-02	2.46E+00	1.99E-01	1.15E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	2556	10	0.5	1.85E-02	2.46E+00	1.99E-01	1.15E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	3756	14	0.5	1.85E-02	2.46E+00	1.99E-01	1.15E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	3130	12	0.5	1.85E-02	2.46E+00	1.99E-01	1.15E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	0.5	1.85E-02	2.46E+00	1.99E-01	1.15E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	2816	11	0.5	1.85E-02	2.46E+00	1.99E-01	1.15E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	264	1	0.5	1.85E-02	2.46E+00	1.99E-01	1.15E-02	1.89E+02	2.02E-02	1.89E+02	1.89E+01	1.94E-02	1.89E+01	1.22E+03	8.61E-04	1.91E-01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	4185	16	0.5	1.85E-02	2.46E+00	1.99E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	0	0	0.5	1.85E-02	2.46E+00	1.99E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	624	2	0.5	1.85E-02	2.46E+00	1.99E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	4185	16	0.5	1.85E-02	2.46E+00	1.99E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	2191	8	0.5	1.85E-02	2.46E+00	1.99E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	104	0	0.5	1.85E-02	2.46E+00	1.99E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	7512	29	0.5	1.85E-02	2.46E+00	1.99E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	0.5	1.85E-02	2.46E+00	1.99E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	6260	24	0.5	1.85E-02	2.46E+00	1.99E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	0	0	0.5	1.85E-02	2.46E+00	1.99E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	5008	19	0.5	1.85E-02	2.46E+00	1.99E-01	1.12E-02	1.89E+02	2.01E-02	1.89E+02	1.89E+01	1.93E-02	1.89E+01	1.19E+03	8.60E-04	1.87E-01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	0	0	0.5	1.85E-02	2.46E+00	1.99E-01	1.10E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	2635	10	0.5	1.85E-02	2.46E+00	1.99E-01	1.10E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	3442	13	0.5	1.85E-02	2.46E+00	1.99E-01	1.10E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	3442	13	0.5	1.85E-02	2.46E+00	1.99E-01	1.10E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	5848.5	22	0.5	1.85E-02	2.46E+00	1.99E-01	1.10E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	2191	8	0.5	1.85E-02	2.46E+00	1.99E-01	1.10E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	2556	10	0.5	1.85E-02	2.46E+00	1.99E-01	1.10E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	3756	14	0.5	1.85E-02	2.46E+00	1.99E-01	1.10E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	1408.5	5	0.5	1.85E-02	2.46E+00	1.99E-01	1.10E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	3130	12	0.5	1.85E-02	2.46E+00	1.99E-01	1.10E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	0	0	0.5	1.85E-02	2.46E+00	1.99E-01	1.10E-02	1.89E+02	2.00E-02	1.89E+02	1.89E+01	1.91E-02	1.89E+01	1.17E+03	8.59E-04	1.83E-01

							Daily Emissions												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1705	7	0.5	1.33E-04	1.77E-02	1.43E-03	8.60E-05	1.36E+00	1.46E-04	1.36E+00	1.36E-01	1.40E-04	1.36E-01	9.10E+00	6.20E-06	1.43E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	26	0	0.5	2.03E-06	2.71E-04	2.18E-05	1.31E-06	2.07E-02	2.23E-06	2.07E-02	2.07E-03	2.14E-06	2.07E-03	1.39E-01	9.45E-08	2.18E-05
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	0.5	4.90E-04	6.51E-02	5.25E-03	3.16E-04	4.99E+00	5.38E-04	4.99E+00	4.99E-01	5.14E-04	4.99E-01	3.34E+01	2.28E-05	5.25E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	7512	29	0.5	5.88E-04	7.82E-02	6.30E-03	3.79E-04	5.99E+00	6.45E-04	5.99E+00	5.98E-01	6.17E-04	5.99E-01	4.01E+01	2.73E-05	6.30E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	2191	8	0.5	1.71E-04	2.28E-02	1.84E-03	1.11E-04	1.75E+00	1.88E-04	1.75E+00	1.74E-01	1.80E-04	1.75E-01	1.17E+01	7.96E-06	1.84E-03
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	5008	19	0.5	3.92E-04	5.21E-02	4.20E-03	2.53E-04	4.00E+00	4.30E-04	4.00E+00	3.99E-01	4.12E-04	3.99E-01	2.67E+01	1.82E-05	4.20E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	528	2	0.5	4.13E-05	5.49E-03	4.43E-04	2.66E-05	4.21E-01	4.54E-05	4.21E-01	4.21E-02	4.34E-05	4.21E-02	2.82E+00	1.92E-06	4.43E-04
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	624	2	0.5	4.88E-05	6.49E-03	5.23E-04	3.15E-05	4.98E-01	5.36E-05	4.98E-01	4.97E-02	5.13E-05	4.97E-02	3.33E+00	2.27E-06	5.24E-04
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	1705	7	0.5	1.34E-04	1.77E-02	1.43E-03	8.44E-05	1.36E+00	1.46E-04	1.36E+00	1.36E-01	1.40E-04	1.36E-01	8.93E+00	6.20E-06	1.40E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	52	0	0.5	4.07E-06	5.41E-04	4.37E-05	2.57E-06	4.15E-02	4.46E-06	4.15E-02	4.14E-03	4.27E-06	4.15E-03	2.72E-01	1.89E-07	4.28E-05
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	6260	24	0.5	4.90E-04	6.51E-02	5.26E-03	3.10E-04	4.99E+00	5.37E-04	4.99E+00	4.99E-01	5.13E-04	4.99E-01	3.28E+01	2.28E-05	5.16E-03
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	7512	29	0.5	5.88E-04	7.81E-02	6.31E-03	3.72E-04	5.99E+00	6.44E-04	5.99E+00	5.98E-01	6.16E-04	5.99E-01	3.94E+01	2.73E-05	6.19E-03
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	7512	29	0.5	5.88E-04	7.81E-02	6.31E-03	3.72E-04	5.99E+00	6.44E-04	5.99E+00	5.98E-01	6.16E-04	5.99E-01	3.94E+01	2.73E-05	6.19E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	5008	19	0.5	3.92E-04	5.21E-02	4.21E-03	2.48E-04	4.00E+00	4.29E-04	4.00E+00	3.99E-01	4.11E-04	3.99E-01	2.62E+01	1.82E-05	4.12E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	624	2	0.5	4.89E-05	6.49E-03	5.25E-04	3.09E-05	4.98E-01	5.35E-05	4.98E-01	4.97E-02	5.12E-05	4.97E-02	3.27E+00	2.27E-06	5.14E-04
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	528	2	0.5	4.14E-05	5.49E-03	4.44E-04	2.61E-05	4.21E-01	4.53E-05	4.21E-01	4.21E-02	4.33E-05	4.21E-02	2.77E+00	1.92E-06	4.35E-04
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	2945	11	0.5	2.31E-04	3.06E-02	2.48E-03	1.43E-04	2.35E+00	2.52E-04	2.35E+00	2.35E-01	2.41E-04	2.35E-01	1.51E+01	1.07E-05	2.38E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	26	0	0.5	2.04E-06	2.70E-04	2.19E-05	1.26E-06	2.07E-02	2.22E-06	2.07E-02	2.07E-03	2.12E-06	2.07E-03	1.33E-01	9.46E-08	2.10E-05
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	3442	13	0.5	2.70E-04	3.58E-02	2.90E-03	1.67E-04	2.75E+00	2.94E-04	2.75E+00	2.74E-01	2.81E-04	2.74E-01	1.77E+01	1.25E-05	2.78E-03
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	5848.5	22	0.5	4.58E-04	6.08E-02	4.92E-03	2.84E-04	4.67E+00	5.00E-04	4.67E+00	4.66E-01	4.78E-04	4.66E-01	3.00E+01	2.13E-05	4.72E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	2191	8	0.5	1.72E-04	2.28E-02	1.84E-03	1.06E-04	1.75E+00	1.87E-04	1.75E+00	1.74E-01	1.79E-04	1.75E-01	1.12E+01	7.97E-06	1.77E-03
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	2556	10	0.5	2.00E-04	2.66E-02	2.15E-03	1.24E-04	2.04E+00	2.18E-04	2.04E+00	2.04E-01	2.09E-04	2.04E-01	1.31E+01	9.30E-06	2.06E-03
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	3756	14	0.5	2.94E-04	3.90E-02	3.16E-03	1.82E-04	3.00E+00	3.21E-04	3.00E+00	2.99E-01	3.07E-04	2.99E-01	1.93E+01	1.37E-05	3.03E-03
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	3130	12	0.5	2.45E-04	3.25E-02	2.63E-03	1.52E-04	2.50E+00	2.67E-04	2.50E+00	2.49E-01	2.56E-04	2.50E-01	1.61E+01	1.14E-05	2.53E-03
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	2816	11	0.5	2.20E-04	2.93E-02	2.37E-03	1.37E-04	2.25E+00	2.41E-04	2.25E+00	2.24E-01	2.30E-04	2.25E-01	1.45E+01	1.02E-05	2.27E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	264	1	0.5	2.07E-05	2.74E-03	2.22E-04	1.28E-05	2.11E-01	2.26E-05	2.11E-01	2.10E-02	2.16E-05	2.10E-02	1.36E+00	9.60E-07	2.13E-04
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	4185	16	0.5	3.29E-04	4.37E-02	3.54E-03	2.00E-04	3.35E+00	3.57E-04	3.35E+00	3.35E-01	3.42E-04	3.35E-01	2.11E+01	1.53E-05	3.32E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	624	2	0.5	4.90E-05	6.51E-03	5.27E-04	2.98E-05	5.00E-01	5.32E-05	5.00E-01	4.99E-02	5.09E-05	4.99E-02	3.15E+00	2.28E-06	4.95E-04
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	4185	16	0.5	3.29E-04	4.37E-02	3.54E-03	2.00E-04	3.35E+00	3.57E-04	3.35E+00	3.35E-01	3.42E-04	3.35E-01	2.11E+01	1.53E-05	3.32E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	2191	8	0.5	1.72E-04	2.29E-02	1.85E-03	1.04E-04	1.75E+00	1.87E-04	1.75E+00	1.75E-01	1.79E-04	1.75E-01	1.11E+01	7.99E-06	1.74E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	104	0	0.5	8.17E-06	1.09E-03	8.79E-05	4.96E-06	8.33E-02	8.87E-06	8.33E-02	8.31E-03	8.49E-06	8.32E-03	5.25E-01	3.79E-07	8.25E-05
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	7512	29	0.5	5.90E-04	7.84E-02	6.35E-03	3.58E-04	6.02E+00	6.41E-04	6.02E+00	6.01E-01	6.13E-04	6.01E-01	3.79E+01	2.74E-05	5.96E-03
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	6260	24	0.5	4.92E-04	6.53E-02	5.29E-03	2.99E-04	5.01E+00	5.34E-04	5.01E+00	5.00E-01	5.11E-04	5.01E-01	3.16E+01	2.28E-05	4.97E-03
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	5008	19	0.5	3.93E-04	5.23E-02	4.23E-03	2.39E-04	4.01E+00	4.27E-04	4.01E+00	4.00E-01	4.09E-04	4.01E-01	2.53E+01	1.83E-05	3.97E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	2635	10	0.5	2.06E-04	2.74E-02	2.22E-03	1.23E-04	2.10E+00	2.23E-04	2.10E+00	2.10E-01	2.13E-04	2.10E-01	1.30E+01	9.56E-06	2.04E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	3442	13	0.5	2.69E-04	3.58E-02	2.90E-03	1.60E-04	2.75E+00	2.91E-04	2.75E+00	2.74E-01	2.78E-04	2.74E-01	1.70E+01	1.25E-05	2.67E-03
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	3442	13	0.5	2.69E-04	3.58E-02	2.90E-03	1.60E-04	2.75E+00	2.91E-04	2.75E+00	2.74E-01	2.78E-04	2.74E-01	1.70E+01	1.25E-05	2.67E-03
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	5848.5	22	0.5	4.57E-04	6.08E-02	4.92E-03	2.72E-04	4.67E+00	4.94E-04	4.67E+00	4.66E-01	4.73E-04	4.66E-01	2.88E+01	2.12E-05	4.53E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	2191	8	0.5	1.71E-04	2.28E-02	1.84E-03	1.02E-04	1.75E+00	1.85E-04	1.75E+00	1.74E-01	1.77E-04	1.75E-01	1.08E+01	7.95E-06	1.70E-03
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	2556	10	0.5	2.00E-04	2.66E-02	2.15E-03	1.19E-04	2.04E+00	2.16E-04	2.04E+00	2.04E-01	2.07E-04	2.04E-01	1.26E+01	9.27E-06	1.98E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	3756	14	0.5	2.93E-04	3.90E-02	3.16E-03	1.75E-04	3.00E+00	3.17E-04	3.00E+00	2.99E-01	3.04E-04	2.99E-01	1.85E+01	1.36E-05	2.91E-03
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	1408.5	5	0.5	1.10E-04	1.46E-02	1.18E-03	6.55E-05	1.12E+00	1.19E-04	1.12E+00	1.12E-01	1.14E-04	1.12E-01	6.94E+00	5.11E-06	1.09E-03
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	3130	12	0.5	2.44E-04	3.25E-02	2.63E-03	1.46E-04	2.50E+00	2.64E-04	2.50E+00	2.49E-01	2.53E-04	2.50E-01	1.54E+01	1.14E-05	2.42E-03
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
								MT/yr			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1705	7	0.5	261	1.08E+00	7.34E-07	1.69E-04	1.13E+00
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	26	0	0.5	261	1.64E-02	1.12E-08	2.58E-06	1.72E-02
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	0.5	261	3.96E+00	2.69E-06	6.22E-04	4.14E+00
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	0	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	7512	29	0.5	261	4.75E+00	3.23E-06	7.46E-04	4.97E+00
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	2191	8	0.5	261	1.38E+00	9.43E-07	2.18E-04	1.45E+00
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	5008	19	0.5	261	3.17E+00	2.15E-06	4.98E-04	3.31E+00
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	528	2	0.5	261	3.34E-01	2.27E-07	5.25E-05	3.49E-01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	624	2	0.5	261	3.94E-01	2.68E-07	6.20E-05	4.13E-01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	1705	7	0.5	261	1.06E+00	7.34E-07	1.66E-04	1.11E+00
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	52	0	0.5	261	3.23E-02	2.24E-08	5.07E-06	3.38E-02
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	6260	24	0.5	261	3.88E+00	2.70E-06	6.10E-04	4.06E+00
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	7512	29	0.5	261	4.66E+00	3.24E-06	7.32E-04	4.88E+00
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	7512	29	0.5	261	4.66E+00	3.24E-06	7.32E-04	4.88E+00
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	5008	19	0.5	261	3.11E+00	2.16E-06	4.88E-04	3.25E+00
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	0	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	0	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	624	2	0.5	261	3.87E-01	2.69E-07	6.08E-05	4.05E-01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	528	2	0.5	261	3.27E-01	2.27E-07	5.15E-05	3.43E-01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	2945	11	0.5	261	1.79E+00	1.27E-06	2.81E-04	1.87E+00
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	26	0	0.5	261	1.58E-02	1.12E-08	2.48E-06	1.65E-02
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	3442	13	0.5	261	2.09E+00	1.48E-06	3.29E-04	2.19E+00
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	5848.5	22	0.5	261	3.55E+00	2.52E-06	5.59E-04	3.72E+00
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	2191	8	0.5	261	1.33E+00	9.43E-07	2.09E-04	1.39E+00
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	2556	10	0.5	261	1.55E+00	1.10E-06	2.44E-04	1.63E+00
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	3756	14	0.5	261	2.28E+00	1.62E-06	3.59E-04	2.39E+00
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	3130	12	0.5	261	1.90E+00	1.35E-06	2.99E-04	1.99E+00
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	2816	11	0.5	261	1.71E+00	1.21E-06	2.69E-04	1.79E+00
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	264	1	0.5	261	1.60E-01	1.14E-07	2.52E-05	1.68E-01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	4185	16	0.5	260	2.49E+00	1.80E-06	3.92E-04	2.61E+00
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	624	2	0.5	260	3.71E-01	2.68E-07	5.84E-05	3.89E-01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	4185	16	0.5	260	2.49E+00	1.80E-06	3.92E-04	2.61E+00
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	2191	8	0.5	260	1.30E+00	9.42E-07	2.05E-04	1.37E+00
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	104	0	0.5	260	6.19E-02	4.47E-08	9.73E-06	6.48E-02
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	7512	29	0.5	260	4.47E+00	3.23E-06	7.03E-04	4.68E+00
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	6260	24	0.5	260	3.73E+00	2.69E-06	5.86E-04	3.90E+00
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	5008	19	0.5	260	2.98E+00	2.15E-06	4.69E-04	3.12E+00
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	0	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	2635	10	0.5	261	1.54E+00	1.13E-06	2.42E-04	1.61E+00
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	3442	13	0.5	261	2.01E+00	1.48E-06	3.16E-04	2.10E+00
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	3442	13	0.5	261	2.01E+00	1.48E-06	3.16E-04	2.10E+00
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	5848.5	22	0.5	261	3.41E+00	2.51E-06	5.36E-04	3.57E+00
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	2191	8	0.5	261	1.28E+00	9.41E-07	2.01E-04	1.34E+00
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	2556	10	0.5	261	1.49E+00	1.10E-06	2.34E-04	1.56E+00
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	3756	14	0.5	261	2.19E+00	1.61E-06	3.44E-04	2.29E+00
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	1408.5	5	0.5	261	8.21E-01	6.05E-07	1.29E-04	8.60E-01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	3130	12	0.5	261	1.83E+00	1.34E-06	2.87E-04	1.91E+00
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	0	0	0.5	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00

							Haul Idling Emission Factors												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Emission Factor (g/min)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1705	7	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	26	0	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	0	0	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	7512	29	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	2191	8	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	5008	19	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	528	2	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	624	2	15	3.75E-02	4.79E-01	5.78E-01	8.36E-04	0.00E+00	2.32E-04	2.32E-04	0.00E+00	2.22E-04	2.22E-04	9.22E+01	3.30E-03	4.43E-02
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	1705	7	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	52	0	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	6260	24	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	7512	29	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	7512	29	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	5008	19	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	0	0	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	0	0	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	624	2	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	528	2	15	3.75E-02	4.77E-01	5.78E-01	8.21E-04	0.00E+00	2.24E-04	2.24E-04	0.00E+00	2.14E-04	2.14E-04	9.07E+01	3.33E-03	4.43E-02
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	2945	11	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	26	0	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	3442	13	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	5848.5	22	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	2191	8	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	2556	10	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	3756	14	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	3130	12	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	2816	11	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	264	1	15	3.74E-02	4.76E-01	5.79E-01	8.06E-04	0.00E+00	2.17E-04	2.17E-04	0.00E+00	2.08E-04	2.08E-04	8.91E+01	3.36E-03	4.42E-02
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	4185	16	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	0	0	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	624	2	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	4185	16	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	2191	8	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	104	0	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	7512	29	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	6260	24	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	0	0	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	5008	19	15	3.74E-02	4.76E-01	5.79E-01	7.91E-04	0.00E+00	2.11E-04	2.11E-04	0.00E+00	2.02E-04	2.02E-04	8.75E+01	3.39E-03	4.42E-02
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	0	0	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	2635	10	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	3442	13	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	3442	13	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	5848.5	22	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	2191	8	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	2556	10	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	3756	14	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	1408.5	5	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	3130	12	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	0	0	15	3.73E-02	4.75E-01	5.79E-01	7.75E-04	0.00E+00	2.06E-04	2.06E-04	0.00E+00	1.97E-04	1.97E-04	8.59E+01	3.42E-03	4.42E-02

							Daily Emissions													
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Emission (lb/day)													
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1705	7	15	4.05E-03	5.17E-02	6.24E-02	9.03E-05	0.00E+00	2.50E-05	2.50E-05	0.00E+00	2.40E-05	2.40E-05	9.95E+00	3.56E-04	4.78E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	26	0	15	6.18E-05	7.88E-04	9.51E-04	1.38E-06	0.00E+00	3.82E-07	3.82E-07	0.00E+00	3.65E-07	3.65E-07	1.52E-01	5.44E-06	7.30E-05
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	15	1.49E-02	1.90E-01	2.29E-01	3.32E-04	0.00E+00	9.19E-05	9.19E-05	0.00E+00	8.79E-05	8.79E-05	3.66E+01	1.31E-03	1.76E-02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	7512	29	15	1.79E-02	2.28E-01	2.75E-01	3.98E-04	0.00E+00	1.10E-04	1.10E-04	0.00E+00	1.06E-04	1.06E-04	4.39E+01	1.57E-03	2.11E-02
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	2191	8	15	5.21E-03	6.64E-02	8.02E-02	1.16E-04	0.00E+00	3.22E-05	3.22E-05	0.00E+00	3.08E-05	3.08E-05	1.28E+01	4.58E-04	6.15E-03
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	5008	19	15	1.19E-02	1.52E-01	1.83E-01	2.65E-04	0.00E+00	7.35E-05	7.35E-05	0.00E+00	7.04E-05	7.04E-05	2.92E+01	1.05E-03	1.41E-02
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	528	2	15	1.26E-03	1.60E-02	1.93E-02	2.80E-05	0.00E+00	7.75E-06	7.75E-06	0.00E+00	7.42E-06	7.42E-06	3.08E+00	1.10E-04	1.48E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	624	2	15	1.48E-03	1.89E-02	2.28E-02	3.31E-05	0.00E+00	9.16E-06	9.16E-06	0.00E+00	8.77E-06	8.77E-06	3.64E+00	1.30E-04	1.75E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	1705	7	15	4.05E-03	5.16E-02	6.25E-02	8.87E-05	0.00E+00	2.42E-05	2.42E-05	0.00E+00	2.32E-05	2.32E-05	9.79E+00	3.60E-04	4.78E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	52	0	15	1.23E-04	1.57E-03	1.90E-03	2.71E-06	0.00E+00	7.38E-07	7.38E-07	0.00E+00	7.06E-07	7.06E-07	2.99E-01	1.10E-05	1.46E-04
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	6260	24	15	1.49E-02	1.89E-01	2.29E-01	3.26E-04	0.00E+00	8.89E-05	8.89E-05	0.00E+00	8.50E-05	8.50E-05	3.60E+01	1.32E-03	1.76E-02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	7512	29	15	1.78E-02	2.27E-01	2.75E-01	3.91E-04	0.00E+00	1.07E-04	1.07E-04	0.00E+00	1.02E-04	1.02E-04	4.31E+01	1.58E-03	2.11E-02
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	7512	29	15	1.78E-02	2.27E-01	2.75E-01	3.91E-04	0.00E+00	1.07E-04	1.07E-04	0.00E+00	1.02E-04	1.02E-04	4.31E+01	1.58E-03	2.11E-02
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	5008	19	15	1.19E-02	1.51E-01	1.83E-01	2.61E-04	0.00E+00	7.11E-05	7.11E-05	0.00E+00	6.80E-05	6.80E-05	2.88E+01	1.06E-03	1.40E-02
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	624	2	15	1.48E-03	1.89E-02	2.29E-02	3.25E-05	0.00E+00	8.86E-06	8.86E-06	0.00E+00	8.47E-06	8.47E-06	3.58E+00	1.32E-04	1.75E-03
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	528	2	15	1.25E-03	1.60E-02	1.93E-02	2.75E-05	0.00E+00	7.49E-06	7.49E-06	0.00E+00	7.17E-06	7.17E-06	3.03E+00	1.11E-04	1.48E-03
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	2945	11	15	6.98E-03	8.89E-02	1.08E-01	1.50E-04	0.00E+00	4.05E-05	4.05E-05	0.00E+00	3.87E-05	3.87E-05	1.66E+01	6.27E-04	8.25E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	26	0	15	6.17E-05	7.85E-04	9.53E-04	1.33E-06	0.00E+00	3.58E-07	3.58E-07	0.00E+00	3.42E-07	3.42E-07	1.47E-01	5.53E-06	7.29E-05
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	3442	13	15	8.16E-03	1.04E-01	1.26E-01	1.76E-04	0.00E+00	4.73E-05	4.73E-05	0.00E+00	4.53E-05	4.53E-05	1.94E+01	7.32E-04	9.65E-03
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	5848.5	22	15	1.39E-02	1.77E-01	2.14E-01	2.99E-04	0.00E+00	8.04E-05	8.04E-05	0.00E+00	7.69E-05	7.69E-05	3.30E+01	1.24E-03	1.64E-02
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	2191	8	15	5.20E-03	6.61E-02	8.03E-02	1.12E-04	0.00E+00	3.01E-05	3.01E-05	0.00E+00	2.88E-05	2.88E-05	1.24E+01	4.66E-04	6.14E-03
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	2556	10	15	6.06E-03	7.71E-02	9.37E-02	1.31E-04	0.00E+00	3.51E-05	3.51E-05	0.00E+00	3.36E-05	3.36E-05	1.44E+01	5.44E-04	7.16E-03
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	3756	14	15	8.91E-03	1.13E-01	1.38E-01	1.92E-04	0.00E+00	5.16E-05	5.16E-05	0.00E+00	4.94E-05	4.94E-05	2.12E+01	7.99E-04	1.05E-02
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	3130	12	15	7.42E-03	9.45E-02	1.15E-01	1.60E-04	0.00E+00	4.30E-05	4.30E-05	0.00E+00	4.12E-05	4.12E-05	1.77E+01	6.66E-04	8.77E-03
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	2816	11	15	6.68E-03	8.50E-02	1.03E-01	1.44E-04	0.00E+00	3.87E-05	3.87E-05	0.00E+00	3.70E-05	3.70E-05	1.59E+01	5.99E-04	7.89E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	264	1	15	6.26E-04	7.97E-03	9.68E-03	1.35E-05	0.00E+00	3.63E-06	3.63E-06	0.00E+00	3.47E-06	3.47E-06	1.49E+00	5.62E-05	7.40E-04
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	4185	16	15	9.95E-03	1.27E-01	1.54E-01	2.10E-04	0.00E+00	5.62E-05	5.62E-05	0.00E+00	5.38E-05	5.38E-05	2.33E+01	9.03E-04	1.18E-02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	624	2	15	1.48E-03	1.89E-02	2.30E-02	3.14E-05	0.00E+00	8.39E-06	8.39E-06	0.00E+00	8.02E-06	8.02E-06	3.47E+00	1.35E-04	1.75E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	4185	16	15	9.95E-03	1.27E-01	1.54E-01	2.10E-04	0.00E+00	5.62E-05	5.62E-05	0.00E+00	5.38E-05	5.38E-05	2.33E+01	9.03E-04	1.18E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	2191	8	15	5.21E-03	6.63E-02	8.07E-02	1.10E-04	0.00E+00	2.94E-05	2.94E-05	0.00E+00	2.82E-05	2.82E-05	1.22E+01	4.73E-04	6.16E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	104	0	15	2.47E-04	3.15E-03	3.83E-03	5.23E-06	0.00E+00	1.40E-06	1.40E-06	0.00E+00	1.34E-06	1.34E-06	5.79E-01	2.24E-05	2.92E-04
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	7512	29	15	1.79E-02	2.27E-01	2.77E-01	3.78E-04	0.00E+00	1.01E-04	1.01E-04	0.00E+00	9.66E-05	9.66E-05	4.18E+01	1.62E-03	2.11E-02
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	6260	24	15	1.49E-02	1.89E-01	2.31E-01	3.15E-04	0.00E+00	8.41E-05	8.41E-05	0.00E+00	8.05E-05	8.05E-05	3.48E+01	1.35E-03	1.76E-02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	5008	19	15	1.19E-02	1.51E-01	1.84E-01	2.52E-04	0.00E+00	6.73E-05	6.73E-05	0.00E+00	6.44E-05	6.44E-05	2.79E+01	1.08E-03	1.41E-02
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	2635	10	15	6.23E-03	7.92E-02	9.67E-02	1.29E-04	0.00E+00	3.43E-05	3.43E-05	0.00E+00	3.28E-05	3.28E-05	1.43E+01	5.72E-04	7.38E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	3442	13	15	8.14E-03	1.04E-01	1.26E-01	1.69E-04	0.00E+00	4.48E-05	4.48E-05	0.00E+00	4.29E-05	4.29E-05	1.87E+01	7.47E-04	9.64E-03
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	3442	13	15	8.14E-03	1.04E-01	1.26E-01	1.69E-04	0.00E+00	4.48E-05	4.48E-05	0.00E+00	4.29E-05	4.29E-05	1.87E+01	7.47E-04	9.64E-03
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	5848.5	22	15	1.38E-02	1.76E-01	2.15E-01	2.87E-04	0.00E+00	7.62E-05	7.62E-05	0.00E+00	7.29E-05	7.29E-05	3.18E+01	1.27E-03	1.64E-02
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	2191	8	15	5.18E-03	6.59E-02	8.04E-02	1.08E-04	0.00E+00	2.85E-05	2.85E-05	0.00E+00	2.73E-05	2.73E-05	1.19E+01	4.75E-04	6.13E-03
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	2556	10	15	6.04E-03	7.69E-02	9.38E-02	1.25E-04	0.00E+00	3.33E-05	3.33E-05	0.00E+00	3.19E-05	3.19E-05	1.39E+01	5.54E-04	7.16E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	3756	14	15	8.88E-03	1.13E-01	1.38E-01	1.84E-04	0.00E+00	4.89E-05	4.89E-05	0.00E+00	4.68E-05	4.68E-05	2.04E+01	8.15E-04	1.05E-02
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	1408.5	5	15	3.33E-03	4.24E-02	5.17E-02	6.92E-05	0.00E+00	1.83E-05	1.83E-05	0.00E+00	1.76E-05	1.76E-05	7.67E+00	3.06E-04	3.94E-03
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	3130	12	15	7.40E-03	9.41E-02	1.15E-01	1.54E-04	0.00E+00	4.08E-05	4.08E-05	0.00E+00	3.90E-05	3.90E-05	1.70E+01	6.79E-04	8.76E-03
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
								MT/yr			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1705	7	15	261	1.18E+00	4.22E-05	5.66E-04	1.35E+00
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	26	0	15	261	1.80E-02	6.44E-07	8.64E-06	2.06E-02
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	15	261	4.33E+00	1.55E-04	2.08E-03	4.95E+00
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	7512	29	15	261	5.19E+00	1.86E-04	2.50E-03	5.94E+00
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	2191	8	15	261	1.51E+00	5.42E-05	7.28E-04	1.73E+00
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	5008	19	15	261	3.46E+00	1.24E-04	1.66E-03	3.96E+00
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	528	2	15	261	3.65E-01	1.31E-05	1.75E-04	4.18E-01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	624	2	15	261	4.31E-01	1.54E-05	2.07E-04	4.93E-01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	1705	7	15	261	1.16E+00	4.26E-05	5.66E-04	1.33E+00
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	52	0	15	261	3.54E-02	1.30E-06	1.73E-05	4.05E-02
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	6260	24	15	261	4.26E+00	1.56E-04	2.08E-03	4.88E+00
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	7512	29	15	261	5.11E+00	1.88E-04	2.49E-03	5.86E+00
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	7512	29	15	261	5.11E+00	1.88E-04	2.49E-03	5.86E+00
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	5008	19	15	261	3.41E+00	1.25E-04	1.66E-03	3.90E+00
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	624	2	15	261	4.24E-01	1.56E-05	2.07E-04	4.86E-01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	528	2	15	261	3.59E-01	1.32E-05	1.75E-04	4.12E-01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	2945	11	15	261	1.97E+00	7.42E-05	9.77E-04	2.26E+00
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	26	0	15	261	1.74E-02	6.55E-07	8.63E-06	2.00E-02
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	3442	13	15	261	2.30E+00	8.67E-05	1.14E-03	2.64E+00
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	5848.5	22	15	261	3.91E+00	1.47E-04	1.94E-03	4.49E+00
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	2191	8	15	261	1.46E+00	5.52E-05	7.27E-04	1.68E+00
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	2556	10	15	261	1.71E+00	6.44E-05	8.48E-04	1.96E+00
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	3756	14	15	261	2.51E+00	9.46E-05	1.25E-03	2.88E+00
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	3130	12	15	261	2.09E+00	7.88E-05	1.04E-03	2.40E+00
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	2816	11	15	261	1.88E+00	7.09E-05	9.34E-04	2.16E+00
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	264	1	15	261	1.76E-01	6.65E-06	8.76E-05	2.03E-01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	4185	16	15	260	2.75E+00	1.06E-04	1.39E-03	3.16E+00
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	624	2	15	260	4.10E-01	1.59E-05	2.07E-04	4.72E-01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	4185	16	15	260	2.75E+00	1.06E-04	1.39E-03	3.16E+00
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	2191	8	15	260	1.44E+00	5.57E-05	7.27E-04	1.66E+00
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	104	0	15	260	6.83E-02	2.65E-06	3.45E-05	7.86E-02
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	7512	29	15	260	4.93E+00	1.91E-04	2.49E-03	5.68E+00
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	6260	24	15	260	4.11E+00	1.59E-04	2.08E-03	4.73E+00
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	5008	19	15	260	3.29E+00	1.27E-04	1.66E-03	3.79E+00
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	2635	10	15	261	1.70E+00	6.77E-05	8.73E-04	1.96E+00
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	3442	13	15	261	2.22E+00	8.84E-05	1.14E-03	2.56E+00
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	3442	13	15	261	2.22E+00	8.84E-05	1.14E-03	2.56E+00
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	5848.5	22	15	261	3.77E+00	1.50E-04	1.94E-03	4.35E+00
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	2191	8	15	261	1.41E+00	5.63E-05	7.26E-04	1.63E+00
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	2556	10	15	261	1.65E+00	6.56E-05	8.47E-04	1.90E+00
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	3756	14	15	261	2.42E+00	9.65E-05	1.24E-03	2.79E+00
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	1408.5	5	15	261	9.08E-01	3.62E-05	4.67E-04	1.05E+00
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	3130	12	15	261	2.02E+00	8.04E-05	1.04E-03	2.33E+00
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Haul Starting Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission Factor (g/min)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1705	7	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	26	0	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	0	0	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	7512	29	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	2191	8	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	5008	19	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	528	2	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	624	2	15	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	1705	7	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	52	0	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	6260	24	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	7512	29	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	7512	29	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	5008	19	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	0	0	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	0	0	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	624	2	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	528	2	15	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	2945	11	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	26	0	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	3442	13	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	5848.5	22	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	2191	8	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	2556	10	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	3756	14	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	3130	12	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	2816	11	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	264	1	15	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	4185	16	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	0	0	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	624	2	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	4185	16	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	2191	8	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	104	0	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	7512	29	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	6260	24	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	0	0	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	5008	19	15	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	0	0	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	2635	10	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	3442	13	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	3442	13	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	5848.5	22	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	2191	8	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	2556	10	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	3756	14	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	1408.5	5	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	3130	12	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	0	0	15	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06

							Daily Emissions												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1705	7	15	5.30E-06	1.72E-02	4.68E-05	3.92E-09	0.00E+00	5.61E-09	5.61E-09	0.00E+00	5.16E-09	5.16E-09	3.96E-04	2.71E-09	7.71E-08
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	26	0	15	8.09E-08	2.62E-04	7.13E-07	5.97E-11	0.00E+00	8.56E-11	8.56E-11	0.00E+00	7.87E-11	7.87E-11	6.04E-06	4.14E-11	1.18E-09
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	15	1.95E-05	6.30E-02	1.72E-04	1.44E-08	0.00E+00	2.06E-08	2.06E-08	0.00E+00	1.90E-08	1.90E-08	1.45E-03	9.97E-09	2.83E-07
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	7512	29	15	2.34E-05	7.56E-02	2.06E-04	1.73E-08	0.00E+00	2.47E-08	2.47E-08	0.00E+00	2.27E-08	2.27E-08	1.74E-03	1.20E-08	3.40E-07
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	2191	8	15	6.82E-06	2.21E-02	6.01E-05	5.03E-09	0.00E+00	7.21E-09	7.21E-09	0.00E+00	6.63E-09	6.63E-09	5.09E-04	3.49E-09	9.91E-08
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	5008	19	15	1.56E-05	5.04E-02	1.37E-04	1.15E-08	0.00E+00	1.65E-08	1.65E-08	0.00E+00	1.52E-08	1.52E-08	1.16E-03	7.97E-09	2.27E-07
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	528	2	15	1.64E-06	5.32E-03	1.45E-05	1.21E-09	0.00E+00	1.74E-09	1.74E-09	0.00E+00	1.60E-09	1.60E-09	1.23E-04	8.41E-10	2.39E-08
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	624	2	15	1.94E-06	6.28E-03	1.71E-05	1.43E-09	0.00E+00	2.05E-09	2.05E-09	0.00E+00	1.89E-09	1.89E-09	1.45E-04	9.93E-10	2.82E-08
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	1705	7	15	4.28E-06	1.72E-02	4.41E-05	3.72E-09	0.00E+00	4.76E-09	4.76E-09	0.00E+00	4.37E-09	4.37E-09	3.76E-04	2.70E-09	4.93E-08
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	52	0	15	1.30E-07	5.23E-04	1.35E-06	1.14E-10	0.00E+00	1.45E-10	1.45E-10	0.00E+00	1.33E-10	1.33E-10	1.15E-05	8.23E-11	1.50E-09
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	6260	24	15	1.57E-05	6.30E-02	1.62E-04	1.37E-08	0.00E+00	1.75E-08	1.75E-08	0.00E+00	1.61E-08	1.61E-08	1.38E-03	9.91E-09	1.81E-07
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	7512	29	15	1.88E-05	7.56E-02	1.94E-04	1.64E-08	0.00E+00	2.10E-08	2.10E-08	0.00E+00	1.93E-08	1.93E-08	1.66E-03	1.19E-08	2.17E-07
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	7512	29	15	1.88E-05	7.56E-02	1.94E-04	1.64E-08	0.00E+00	2.10E-08	2.10E-08	0.00E+00	1.93E-08	1.93E-08	1.66E-03	1.19E-08	2.17E-07
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	5008	19	15	1.26E-05	5.04E-02	1.30E-04	1.09E-08	0.00E+00	1.40E-08	1.40E-08	0.00E+00	1.28E-08	1.28E-08	1.11E-03	7.93E-09	1.45E-07
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	624	2	15	1.57E-06	6.28E-03	1.61E-05	1.36E-09	0.00E+00	1.74E-09	1.74E-09	0.00E+00	1.60E-09	1.60E-09	1.38E-04	9.88E-10	1.80E-08
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	528	2	15	1.32E-06	5.31E-03	1.37E-05	1.15E-09	0.00E+00	1.47E-09	1.47E-09	0.00E+00	1.35E-09	1.35E-09	1.17E-04	8.36E-10	1.53E-08
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	2945	11	15	6.48E-06	2.96E-02	7.68E-05	6.34E-09	0.00E+00	7.63E-09	7.63E-09	0.00E+00	7.02E-09	7.02E-09	6.41E-04	4.62E-09	7.19E-08
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	26	0	15	5.72E-08	2.62E-04	6.78E-07	5.60E-11	0.00E+00	6.74E-11	6.74E-11	0.00E+00	6.19E-11	6.19E-11	5.66E-06	4.08E-11	6.35E-10
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	3442	13	15	7.57E-06	3.46E-02	8.98E-05	7.41E-09	0.00E+00	8.92E-09	8.92E-09	0.00E+00	8.20E-09	8.20E-09	7.49E-04	5.40E-09	8.40E-08
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	5848.5	22	15	1.29E-05	5.89E-02	1.53E-04	1.26E-08	0.00E+00	1.52E-08	1.52E-08	0.00E+00	1.39E-08	1.39E-08	1.27E-03	9.18E-09	1.43E-07
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	2191	8	15	4.82E-06	2.20E-02	5.71E-05	4.72E-09	0.00E+00	5.68E-09	5.68E-09	0.00E+00	5.22E-09	5.22E-09	4.77E-04	3.44E-09	5.35E-08
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	2556	10	15	5.62E-06	2.57E-02	6.67E-05	5.50E-09	0.00E+00	6.62E-09	6.62E-09	0.00E+00	6.09E-09	6.09E-09	5.56E-04	4.01E-09	6.24E-08
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	3756	14	15	8.26E-06	3.78E-02	9.80E-05	8.09E-09	0.00E+00	9.73E-09	9.73E-09	0.00E+00	8.95E-09	8.95E-09	8.17E-04	5.89E-09	9.17E-08
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	3130	12	15	6.89E-06	3.15E-02	8.16E-05	6.74E-09	0.00E+00	8.11E-09	8.11E-09	0.00E+00	7.46E-09	7.46E-09	6.81E-04	4.91E-09	7.64E-08
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	2816	11	15	6.20E-06	2.83E-02	7.35E-05	6.06E-09	0.00E+00	7.30E-09	7.30E-09	0.00E+00	6.71E-09	6.71E-09	6.13E-04	4.42E-09	6.88E-08
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	264	1	15	5.81E-07	2.66E-03	6.89E-06	5.69E-10	0.00E+00	6.84E-10	6.84E-10	0.00E+00	6.29E-10	6.29E-10	5.75E-05	4.14E-10	6.45E-09
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	4185	16	15	8.45E-06	4.23E-02	1.09E-04	9.02E-09	0.00E+00	1.06E-08	1.06E-08	0.00E+00	9.75E-09	9.75E-09	9.11E-04	6.57E-09	8.57E-08
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	624	2	15	1.26E-06	6.30E-03	1.63E-05	1.34E-09	0.00E+00	1.58E-09	1.58E-09	0.00E+00	1.45E-09	1.45E-09	1.36E-04	9.80E-10	1.28E-08
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	4185	16	15	8.45E-06	4.23E-02	1.09E-04	9.02E-09	0.00E+00	1.06E-08	1.06E-08	0.00E+00	9.75E-09	9.75E-09	9.11E-04	6.57E-09	8.57E-08
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	2191	8	15	4.42E-06	2.21E-02	5.73E-05	4.72E-09	0.00E+00	5.55E-09	5.55E-09	0.00E+00	5.10E-09	5.10E-09	4.77E-04	3.44E-09	4.49E-08
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	104	0	15	2.10E-07	1.05E-03	2.72E-06	2.24E-10	0.00E+00	2.64E-10	2.64E-10	0.00E+00	2.42E-10	2.42E-10	2.27E-05	1.63E-10	2.13E-09
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	7512	29	15	1.52E-05	7.59E-02	1.96E-04	1.62E-08	0.00E+00	1.90E-08	1.90E-08	0.00E+00	1.75E-08	1.75E-08	1.64E-03	1.18E-08	1.54E-07
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	6260	24	15	1.26E-05	6.32E-02	1.64E-04	1.35E-08	0.00E+00	1.59E-08	1.59E-08	0.00E+00	1.46E-08	1.46E-08	1.36E-03	9.83E-09	1.28E-07
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	5008	19	15	1.01E-05	5.06E-02	1.31E-04	1.08E-08	0.00E+00	1.27E-08	1.27E-08	0.00E+00	1.17E-08	1.17E-08	1.09E-03	7.86E-09	1.03E-07
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	2635	10	15	4.74E-06	2.65E-02	6.84E-05	5.63E-09	0.00E+00	6.32E-09	6.32E-09	0.00E+00	5.81E-09	5.81E-09	5.69E-04	4.11E-09	4.53E-08
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	3442	13	15	6.19E-06	3.47E-02	8.94E-05	7.35E-09	0.00E+00	8.25E-09	8.25E-09	0.00E+00	7.59E-09	7.59E-09	7.43E-04	5.36E-09	5.92E-08
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	3442	13	15	6.19E-06	3.47E-02	8.94E-05	7.35E-09	0.00E+00	8.25E-09	8.25E-09	0.00E+00	7.59E-09	7.59E-09	7.43E-04	5.36E-09	5.92E-08
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	5848.5	22	15	1.05E-05	5.89E-02	1.52E-04	1.25E-08	0.00E+00	1.40E-08	1.40E-08	0.00E+00	1.29E-08	1.29E-08	1.26E-03	9.11E-09	1.01E-07
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	2191	8	15	3.94E-06	2.21E-02	5.69E-05	4.68E-09	0.00E+00	5.25E-09	5.25E-09	0.00E+00	4.83E-09	4.83E-09	4.73E-04	3.41E-09	3.77E-08
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	2556	10	15	4.60E-06	2.57E-02	6.64E-05	5.46E-09	0.00E+00	6.13E-09	6.13E-09	0.00E+00	5.63E-09	5.63E-09	5.52E-04	3.98E-09	4.40E-08
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	3756	14	15	6.75E-06	3.78E-02	9.75E-05	8.02E-09	0.00E+00	9.00E-09	9.00E-09	0.00E+00	8.28E-09	8.28E-09	8.11E-04	5.85E-09	6.46E-08
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	1408.5	5	15	2.53E-06	1.42E-02	3.66E-05	3.01E-09	0.00E+00	3.38E-09	3.38E-09	0.00E+00	3.10E-09	3.10E-09	3.04E-04	2.19E-09	2.42E-08
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	3130	12	15	5.63E-06	3.15E-02	8.13E-05	6.69E-09	0.00E+00	7.50E-09	7.50E-09	0.00E+00	6.90E-09	6.90E-09	6.76E-04	4.88E-09	5.39E-08
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
								MT/yr			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1705	7	15	261	4.69E-05	3.21E-10	9.13E-09	4.96E-05
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	26	0	15	261	7.15E-07	4.90E-12	1.39E-10	7.56E-07
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	15	261	1.72E-04	1.18E-09	3.35E-08	1.82E-04
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	7512	29	15	261	2.06E-04	1.42E-09	4.02E-08	2.18E-04
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	2191	8	15	261	6.02E-05	4.13E-10	1.17E-08	6.37E-05
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	5008	19	15	261	1.38E-04	9.44E-10	2.68E-08	1.46E-04
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	528	2	15	261	1.45E-05	9.95E-11	2.83E-09	1.54E-05
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	624	2	15	261	1.71E-05	1.18E-10	3.34E-09	1.81E-05
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	1705	7	15	261	4.45E-05	3.19E-10	5.84E-09	4.63E-05
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	52	0	15	261	1.36E-06	9.74E-12	1.78E-10	1.41E-06
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	6260	24	15	261	1.64E-04	1.17E-09	2.14E-08	1.70E-04
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	7512	29	15	261	1.96E-04	1.41E-09	2.57E-08	2.04E-04
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	7512	29	15	261	1.96E-04	1.41E-09	2.57E-08	2.04E-04
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	5008	19	15	261	1.31E-04	9.38E-10	1.71E-08	1.36E-04
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	624	2	15	261	1.63E-05	1.17E-10	2.14E-09	1.69E-05
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	528	2	15	261	1.38E-05	9.89E-11	1.81E-09	1.43E-05
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	2945	11	15	261	7.59E-05	5.47E-10	8.51E-09	7.84E-05
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	26	0	15	261	6.70E-07	4.83E-12	7.52E-11	6.92E-07
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	3442	13	15	261	8.87E-05	6.39E-10	9.95E-09	9.17E-05
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	5848.5	22	15	261	1.51E-04	1.09E-09	1.69E-08	1.56E-04
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	2191	8	15	261	5.64E-05	4.07E-10	6.33E-09	5.83E-05
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	2556	10	15	261	6.59E-05	4.75E-10	7.39E-09	6.81E-05
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	3756	14	15	261	9.68E-05	6.98E-10	1.09E-08	1.00E-04
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	3130	12	15	261	8.06E-05	5.81E-10	9.05E-09	8.34E-05
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	2816	11	15	261	7.26E-05	5.23E-10	8.14E-09	7.50E-05
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	264	1	15	261	6.80E-06	4.90E-11	7.63E-10	7.03E-06
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	4185	16	15	260	1.07E-04	7.75E-10	1.01E-08	1.11E-04
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	624	2	15	260	1.60E-05	1.16E-10	1.51E-09	1.65E-05
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	4185	16	15	260	1.07E-04	7.75E-10	1.01E-08	1.11E-04
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	2191	8	15	260	5.63E-05	4.06E-10	5.29E-09	5.79E-05
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	104	0	15	260	2.67E-06	1.93E-11	2.51E-10	2.75E-06
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	7512	29	15	260	1.93E-04	1.39E-09	1.81E-08	1.98E-04
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	6260	24	15	260	1.61E-04	1.16E-09	1.51E-08	1.65E-04
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	5008	19	15	260	1.29E-04	9.27E-10	1.21E-08	1.32E-04
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	2635	10	15	261	6.73E-05	4.86E-10	5.37E-09	6.89E-05
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	3442	13	15	261	8.79E-05	6.35E-10	7.01E-09	9.01E-05
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	3442	13	15	261	8.79E-05	6.35E-10	7.01E-09	9.01E-05
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	5848.5	22	15	261	1.49E-04	1.08E-09	1.19E-08	1.53E-04
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	2191	8	15	261	5.60E-05	4.04E-10	4.46E-09	5.73E-05
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	2556	10	15	261	6.53E-05	4.72E-10	5.21E-09	6.69E-05
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	3756	14	15	261	9.60E-05	6.93E-10	7.65E-09	9.83E-05
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	1408.5	5	15	261	3.60E-05	2.60E-10	2.87E-09	3.69E-05
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	3130	12	15	261	8.00E-05	5.77E-10	6.38E-09	8.19E-05
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	0	0	15	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00

OFFSITE Mobile Emissions			CO2	CH4	N2O	CO2e
PhaseName	CalEEMod Phase Name		MT/yr			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025		209.02	0.00	0.02	215.04
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025		42.13	0.00	0.00	42.99
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025		454.91	0.01	0.06	472.80
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025		62.40	0.00	0.01	64.47
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025		296.32	0.00	0.04	308.37
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025		225.24	0.00	0.03	233.67
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025		229.47	0.00	0.03	239.02
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025		0.00	0.00	0.00	0.00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025		69.87	0.00	0.01	72.27
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025		105.46	0.00	0.01	108.48
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025		67.18	0.00	0.01	69.52
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026		204.05	0.00	0.02	209.94
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026		41.83	0.00	0.00	42.71
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026		445.54	0.01	0.06	463.09
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026		290.23	0.00	0.04	302.05
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026		290.23	0.00	0.04	302.05
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026		224.85	0.00	0.03	234.21
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026		68.35	0.00	0.01	70.70
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026		61.02	0.00	0.01	63.05
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026		0.00	0.00	0.00	0.00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026		65.71	0.00	0.01	68.01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026		102.96	0.00	0.01	105.91
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027		258.50	0.00	0.03	266.97
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027		53.82	0.00	0.01	55.39
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027		250.15	0.00	0.03	259.87
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027		300.89	0.00	0.04	312.27
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027		215.73	0.00	0.03	223.82
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027		145.61	0.00	0.02	151.29
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027		175.45	0.00	0.02	182.38
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027		247.85	0.00	0.03	257.45
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027		0.00	0.00	0.00	0.00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027		142.19	0.00	0.02	147.90
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027		80.10	0.00	0.01	82.54
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028		310.20	0.00	0.04	321.13
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028		65.19	0.00	0.01	67.44
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028		62.72	0.00	0.01	64.91
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028		310.20	0.00	0.04	321.13
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028		210.65	0.00	0.03	218.57
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028		69.31	0.00	0.01	71.44
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028		277.83	0.00	0.04	289.16
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028		0.00	0.00	0.00	0.00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028		426.05	0.01	0.06	442.87
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028		0.00	0.00	0.00	0.00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028		215.29	0.00	0.03	224.26
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029		57.22	0.00	0.01	59.13
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029		235.11	0.00	0.02	242.65
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029		239.96	0.00	0.03	249.30
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029		239.96	0.00	0.03	249.30
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029		288.38	0.00	0.04	299.29
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029		206.94	0.00	0.03	214.72
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029		139.63	0.00	0.02	145.08
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029		168.20	0.00	0.02	174.85
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029		74.59	0.00	0.01	77.24
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029		237.77	0.00	0.03	246.99
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029		0.00	0.00	0.00	0.00
		2025	1.76E+03	2.76E-02	2.15E-01	1.83E+03
		2026	1.79E+03	2.38E-02	2.23E-01	1.86E+03
		2027	1.87E+03	2.94E-02	2.31E-01	1.94E+03
		2028	1.95E+03	2.99E-02	2.44E-01	2.02E+03
		2029	1.89E+03	3.05E-02	2.35E-01	1.96E+03

Worker Running Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission Factor (g/mile)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	10	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	25	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	15	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	10	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	25	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	10	25	1.20E-02	4.68E-02	7.31E-01	2.65E-03	3.45E-01	1.63E-03	3.46E-01	9.13E-02	1.50E-03	9.29E-02	2.68E+02	2.98E-03	4.88E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	50	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	15	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	40	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	25	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	25	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	15	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	10	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	10	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	10	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	25	25	1.06E-02	4.22E-02	6.84E-01	2.57E-03	3.45E-01	1.55E-03	3.46E-01	9.13E-02	1.42E-03	9.28E-02	2.60E+02	2.66E-03	4.58E-03
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	50	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	12.5	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	25	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	37.5	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	25	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	15	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	17.5	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	25	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	17.5	25	9.36E-03	3.82E-02	6.44E-01	2.50E-03	3.45E-01	1.45E-03	3.46E-01	9.13E-02	1.33E-03	9.27E-02	2.53E+02	2.39E-03	4.33E-03
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	50	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	10	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	10	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	50	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	25	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	15	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	25	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	40	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	15	25	8.37E-03	3.49E-02	6.10E-01	2.44E-03	3.45E-01	1.35E-03	3.46E-01	9.13E-02	1.24E-03	9.26E-02	2.46E+02	2.17E-03	4.12E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	50	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	37.5	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	25	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	15	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	17.5	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	12.5	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	25	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	25	7.49E-03	3.20E-02	5.81E-01	2.38E-03	3.45E-01	1.26E-03	3.46E-01	9.13E-02	1.16E-03	9.25E-02	2.41E+02	1.97E-03	3.94E-03

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	25	3.30E-02	1.29E-01	2.02E+00	7.32E-03	9.50E-01	4.50E-03	9.54E-01	2.52E-01	4.14E-03	2.56E-01	7.40E+02	8.22E-03	1.35E-02
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	25	9.89E-03	3.87E-02	6.05E-01	2.19E-03	2.85E-01	1.35E-03	2.86E-01	7.55E-02	1.24E-03	7.68E-02	2.22E+02	2.47E-03	4.04E-03
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	25	2.64E-02	1.03E-01	1.61E+00	5.85E-03	7.60E-01	3.60E-03	7.63E-01	2.01E-01	3.31E-03	2.05E-01	5.92E+02	6.58E-03	1.08E-02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	10	25	6.60E-03	2.58E-02	4.03E-01	1.46E-03	1.90E-01	8.99E-04	1.91E-01	5.03E-02	8.28E-04	5.12E-02	1.48E+02	1.64E-03	2.69E-03
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	25	1.65E-02	6.45E-02	1.01E+00	3.66E-03	4.75E-01	2.25E-03	4.77E-01	1.26E-01	2.07E-03	1.28E-01	3.70E+02	4.11E-03	6.73E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	25	25	1.65E-02	6.45E-02	1.01E+00	3.66E-03	4.75E-01	2.25E-03	4.77E-01	1.26E-01	2.07E-03	1.28E-01	3.70E+02	4.11E-03	6.73E-03
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	15	25	9.89E-03	3.87E-02	6.05E-01	2.19E-03	2.85E-01	1.35E-03	2.86E-01	7.55E-02	1.24E-03	7.68E-02	2.22E+02	2.47E-03	4.04E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	10	25	6.60E-03	2.58E-02	4.03E-01	1.46E-03	1.90E-01	8.99E-04	1.91E-01	5.03E-02	8.28E-04	5.12E-02	1.48E+02	1.64E-03	2.69E-03
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	25	25	1.65E-02	6.45E-02	1.01E+00	3.66E-03	4.75E-01	2.25E-03	4.77E-01	1.26E-01	2.07E-03	1.28E-01	3.70E+02	4.11E-03	6.73E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	10	25	6.60E-03	2.58E-02	4.03E-01	1.46E-03	1.90E-01	8.99E-04	1.91E-01	5.03E-02	8.28E-04	5.12E-02	1.48E+02	1.64E-03	2.69E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	50	25	2.91E-02	1.16E-01	1.88E+00	7.09E-03	9.50E-01	4.26E-03	9.54E-01	2.52E-01	3.92E-03	2.56E-01	7.17E+02	7.34E-03	1.26E-02
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	15	25	8.73E-03	3.49E-02	5.65E-01	2.13E-03	2.85E-01	1.28E-03	2.86E-01	7.55E-02	1.18E-03	7.67E-02	2.15E+02	2.20E-03	3.79E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	40	25	2.33E-02	9.30E-02	1.51E+00	5.67E-03	7.60E-01	3.41E-03	7.63E-01	2.01E-01	3.14E-03	2.05E-01	5.73E+02	5.87E-03	1.01E-02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	25	25	1.45E-02	5.81E-02	9.42E-01	3.55E-03	4.75E-01	2.13E-03	4.77E-01	1.26E-01	1.96E-03	1.28E-01	3.58E+02	3.67E-03	6.32E-03
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	25	25	1.45E-02	5.81E-02	9.42E-01	3.55E-03	4.75E-01	2.13E-03	4.77E-01	1.26E-01	1.96E-03	1.28E-01	3.58E+02	3.67E-03	6.32E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	15	25	8.73E-03	3.49E-02	5.65E-01	2.13E-03	2.85E-01	1.28E-03	2.86E-01	7.55E-02	1.18E-03	7.67E-02	2.15E+02	2.20E-03	3.79E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	10	25	5.82E-03	2.32E-02	3.77E-01	1.42E-03	1.90E-01	8.52E-04	1.91E-01	5.03E-02	7.84E-04	5.11E-02	1.43E+02	1.47E-03	2.53E-03
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	10	25	5.82E-03	2.32E-02	3.77E-01	1.42E-03	1.90E-01	8.52E-04	1.91E-01	5.03E-02	7.84E-04	5.11E-02	1.43E+02	1.47E-03	2.53E-03
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	10	25	5.82E-03	2.32E-02	3.77E-01	1.42E-03	1.90E-01	8.52E-04	1.91E-01	5.03E-02	7.84E-04	5.11E-02	1.43E+02	1.47E-03	2.53E-03
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	25	25	1.45E-02	5.81E-02	9.42E-01	3.55E-03	4.75E-01	2.13E-03	4.77E-01	1.26E-01	1.96E-03	1.28E-01	3.58E+02	3.67E-03	6.32E-03
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	50	25	2.58E-02	1.05E-01	1.77E+00	6.89E-03	9.50E-01	4.00E-03	9.54E-01	2.52E-01	3.68E-03	2.55E-01	6.97E+02	6.59E-03	1.19E-02
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	12.5	25	6.45E-03	2.63E-02	4.44E-01	1.72E-03	2.37E-01	9.99E-04	2.38E-01	6.29E-02	9.19E-04	6.39E-02	1.74E+02	1.65E-03	2.98E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	25	25	1.29E-02	5.27E-02	8.87E-01	3.45E-03	4.75E-01	2.00E-03	4.77E-01	1.26E-01	1.84E-03	1.28E-01	3.48E+02	3.30E-03	5.97E-03
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	37.5	25	1.93E-02	7.90E-02	1.33E+00	5.17E-03	7.12E-01	3.00E-03	7.15E-01	1.89E-01	2.76E-03	1.92E-01	5.23E+02	4.95E-03	8.95E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	25	25	1.29E-02	5.27E-02	8.87E-01	3.45E-03	4.75E-01	2.00E-03	4.77E-01	1.26E-01	1.84E-03	1.28E-01	3.48E+02	3.30E-03	5.97E-03
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	15	25	7.74E-03	3.16E-02	5.32E-01	2.07E-03	2.85E-01	1.20E-03	2.86E-01	7.55E-02	1.10E-03	7.66E-02	2.09E+02	1.98E-03	3.58E-03
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	17.5	25	9.03E-03	3.69E-02	6.21E-01	2.41E-03	3.32E-01	1.40E-03	3.34E-01	8.81E-02	1.29E-03	8.94E-02	2.44E+02	2.31E-03	4.18E-03
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	25	25	1.29E-02	5.27E-02	8.87E-01	3.45E-03	4.75E-01	2.00E-03	4.77E-01	1.26E-01	1.84E-03	1.28E-01	3.48E+02	3.30E-03	5.97E-03
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	25	6.45E-03	2.63E-02	4.44E-01	1.72E-03	2.37E-01	9.99E-04	2.38E-01	6.29E-02	9.19E-04	6.39E-02	1.74E+02	1.65E-03	2.98E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	17.5	25	9.03E-03	3.69E-02	6.21E-01	2.41E-03	3.32E-01	1.40E-03	3.34E-01	8.81E-02	1.29E-03	8.94E-02	2.44E+02	2.31E-03	4.18E-03
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	50	25	2.31E-02	9.62E-02	1.68E+00	6.72E-03	9.50E-01	3.72E-03	9.53E-01	2.52E-01	3.42E-03	2.55E-01	6.79E+02	5.97E-03	1.14E-02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	10	25	4.61E-03	1.92E-02	3.36E-01	1.34E-03	1.90E-01	7.44E-04	1.91E-01	5.03E-02	6.84E-04	5.10E-02	1.36E+02	1.19E-03	2.27E-03
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	10	25	4.61E-03	1.92E-02	3.36E-01	1.34E-03	1.90E-01	7.44E-04	1.91E-01	5.03E-02	6.84E-04	5.10E-02	1.36E+02	1.19E-03	2.27E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	50	25	2.31E-02	9.62E-02	1.68E+00	6.72E-03	9.50E-01	3.72E-03	9.53E-01	2.52E-01	3.42E-03	2.55E-01	6.79E+02	5.97E-03	1.14E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	25	25	1.15E-02	4.81E-02	8.41E-01	3.36E-03	4.75E-01	1.86E-03	4.77E-01	1.26E-01	1.71E-03	1.28E-01	3.39E+02	2.99E-03	5.68E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	15	25	6.92E-03	2.89E-02	5.05E-01	2.01E-03	2.85E-01	1.12E-03	2.86E-01	7.55E-02	1.03E-03	7.65E-02	2.04E+02	1.79E-03	3.41E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	25	25	1.15E-02	4.81E-02	8.41E-01	3.36E-03	4.75E-01	1.86E-03	4.77E-01	1.26E-01	1.71E-03	1.28E-01	3.39E+02	2.99E-03	5.68E-03
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	40	25	1.84E-02	7.70E-02	1.35E+00	5.37E-03	7.60E-01	2.98E-03	7.63E-01	2.01E-01	2.74E-03	2.04E-01	5.43E+02	4.78E-03	9.09E-03
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	15	25	6.92E-03	2.89E-02	5.05E-01	2.01E-03	2.85E-01	1.12E-03	2.86E-01	7.55E-02	1.03E-03	7.65E-02	2.04E+02	1.79E-03	3.41E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	25	4.13E-03	1.77E-02	3.20E-01	1.31E-03	1.90E-01	6.93E-04	1.91E-01	5.03E-02	6.38E-04	5.10E-02	1.33E+02	1.08E-03	2.17E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	50	25	2.06E-02	8.83E-02	1.60E+00	6.56E-03	9.50E-01	3.46E-03	9.53E-01	2.52E-01	3.19E-03	2.55E-01	6.63E+02	5.42E-03	1.09E-02
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	25	1.03E-02	4.41E-02	8.01E-01	3.28E-03	4.75E-01	1.73E-03	4.77E-01	1.26E-01	1.59E-03	1.27E-01	3.32E+02	2.71E-03	5.43E-03
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	25	1.03E-02	4.41E-02	8.01E-01	3.28E-03	4.75E-01	1.73E-03	4.77E-01	1.26E-01	1.59E-03	1.27E-01	3.32E+02	2.71E-03	5.43E-03
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	37.5	25	1.55E-02	6.62E-02	1.20E+00	4.92E-03	7.12E-01	2.60E-03	7.15E-01	1.89E-01	2.39E-03	1.91E-01	4.97E+02	4.06E-03	8.15E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	25	25	1.03E-02	4.41E-02	8.01E-01	3.28E-03	4.75E-01	1.73E-03	4.77E-01	1.26E-01	1.59E-03	1.27E-01	3.32E+02	2.71E-03	5.43E-03
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	15	25	6.19E-03	2.65E-02	4.80E-01	1.97E-03	2.85E-01	1.04E-03	2.86E-01	7.55E-02	9.56E-04	7.65E-02	1.99E+02	1.63E-03	3.26E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	17.5	25	7.22E-03	3.09E-02	5.61E-01	2.30E-03	3.32E-01	1.21E-03	3.34E-01	8.81E-02	1.12E-03	8.92E-02	2.32E+02	1.90E-03	3.80E-03
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	12.5	25	5.16E-03	2.21E-02	4.00E-01	1.64E-03	2.37E-01	8.66E-04	2.38E-01	6.29E-02	7.97E-04	6.37E-02	1.66E+02	1.35E-03	2.72E-03
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	25	25	1.03E-02	4.41E-02	8.01E-01	3.28E-03	4.75E-01	1.73E-03	4.77E-01	1.26E-01	1.59E-03	1.27E-01	3.32E+02	2.71E-03	5.43E-03
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
						MT/yr			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	25	261	8.76E+01	9.73E-04	1.59E-03	8.81E+01
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	25	261	2.63E+01	2.92E-04	4.78E-04	2.64E+01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	25	261	7.00E+01	7.79E-04	1.27E-03	7.04E+01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	10	25	261	1.75E+01	1.95E-04	3.19E-04	1.76E+01
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	25	261	4.38E+01	4.87E-04	7.97E-04	4.40E+01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	25	25	261	4.38E+01	4.87E-04	7.97E-04	4.40E+01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	15	25	261	2.63E+01	2.92E-04	4.78E-04	2.64E+01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	10	25	261	1.75E+01	1.95E-04	3.19E-04	1.76E+01
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	25	25	261	4.38E+01	4.87E-04	7.97E-04	4.40E+01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	10	25	261	1.75E+01	1.95E-04	3.19E-04	1.76E+01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	50	25	261	8.49E+01	8.69E-04	1.50E-03	8.53E+01
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	15	25	261	2.55E+01	2.61E-04	4.49E-04	2.56E+01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	40	25	261	6.79E+01	6.95E-04	1.20E-03	6.83E+01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	25	25	261	4.24E+01	4.35E-04	7.48E-04	4.27E+01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	25	25	261	4.24E+01	4.35E-04	7.48E-04	4.27E+01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	15	25	261	2.55E+01	2.61E-04	4.49E-04	2.56E+01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	10	25	261	1.70E+01	1.74E-04	2.99E-04	1.71E+01
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	10	25	261	1.70E+01	1.74E-04	2.99E-04	1.71E+01
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	10	25	261	1.70E+01	1.74E-04	2.99E-04	1.71E+01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	25	25	261	4.24E+01	4.35E-04	7.48E-04	4.27E+01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	50	25	261	8.25E+01	7.81E-04	1.41E-03	8.29E+01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	12.5	25	261	2.06E+01	1.95E-04	3.53E-04	2.07E+01
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	25	25	261	4.12E+01	3.90E-04	7.07E-04	4.15E+01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	37.5	25	261	6.19E+01	5.86E-04	1.06E-03	6.22E+01
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	25	25	261	4.12E+01	3.90E-04	7.07E-04	4.15E+01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	15	25	261	2.47E+01	2.34E-04	4.24E-04	2.49E+01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	17.5	25	261	2.89E+01	2.73E-04	4.95E-04	2.90E+01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	25	25	261	4.12E+01	3.90E-04	7.07E-04	4.15E+01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	25	261	2.06E+01	1.95E-04	3.53E-04	2.07E+01
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	17.5	25	261	2.89E+01	2.73E-04	4.95E-04	2.90E+01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	50	25	260	8.01E+01	7.04E-04	1.34E-03	8.05E+01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	10	25	260	1.60E+01	1.41E-04	2.68E-04	1.61E+01
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	10	25	260	1.60E+01	1.41E-04	2.68E-04	1.61E+01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	50	25	260	8.01E+01	7.04E-04	1.34E-03	8.05E+01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	25	25	260	4.00E+01	3.52E-04	6.70E-04	4.02E+01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	15	25	260	2.40E+01	2.11E-04	4.02E-04	2.41E+01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	25	25	260	4.00E+01	3.52E-04	6.70E-04	4.02E+01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	40	25	260	6.41E+01	5.63E-04	1.07E-03	6.44E+01
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	15	25	260	2.40E+01	2.11E-04	4.02E-04	2.41E+01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	25	261	1.57E+01	1.28E-04	2.57E-04	1.58E+01
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	50	25	261	7.85E+01	6.42E-04	1.29E-03	7.89E+01
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	25	261	3.92E+01	3.21E-04	6.43E-04	3.94E+01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	25	261	3.92E+01	3.21E-04	6.43E-04	3.94E+01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	37.5	25	261	5.89E+01	4.81E-04	9.65E-04	5.92E+01
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	25	25	261	3.92E+01	3.21E-04	6.43E-04	3.94E+01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	15	25	261	2.35E+01	1.92E-04	3.86E-04	2.37E+01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	17.5	25	261	2.75E+01	2.25E-04	4.50E-04	2.76E+01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	12.5	25	261	1.96E+01	1.60E-04	3.22E-04	1.97E+01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	25	25	261	3.92E+01	3.21E-04	6.43E-04	3.94E+01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Worker Starting Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission Factor (g/trip)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	10	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	25	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	15	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	10	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	25	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	10	25	7.68E-01	1.79E-01	2.03E+00	5.34E-04	0.00E+00	1.77E-03	1.77E-03	0.00E+00	1.62E-03	1.62E-03	5.39E+01	4.63E-02	2.38E-02
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	50	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	15	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	40	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	25	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	25	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	15	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	10	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	10	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	10	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	25	25	7.22E-01	1.67E-01	1.95E+00	5.17E-04	0.00E+00	1.69E-03	1.69E-03	0.00E+00	1.55E-03	1.55E-03	5.22E+01	4.28E-02	2.27E-02
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	50	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	12.5	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	25	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	37.5	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	25	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	15	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	17.5	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	25	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	17.5	25	6.81E-01	1.58E-01	1.88E+00	5.02E-04	0.00E+00	1.60E-03	1.60E-03	0.00E+00	1.47E-03	1.47E-03	5.07E+01	3.98E-02	2.19E-02
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	50	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	10	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	10	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	50	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	25	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	15	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	25	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	40	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	15	25	6.43E-01	1.50E-01	1.82E+00	4.88E-04	0.00E+00	1.51E-03	1.51E-03	0.00E+00	1.39E-03	1.39E-03	4.94E+01	3.71E-02	2.12E-02
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	50	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	37.5	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	25	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	15	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	17.5	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	12.5	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	25	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	25	6.06E-01	1.43E-01	1.77E+00	4.76E-04	0.00E+00	1.42E-03	1.42E-03	0.00E+00	1.31E-03	1.31E-03	4.81E+01	3.47E-02	2.05E-02

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	25	4.23E-02	9.85E-03	1.12E-01	2.94E-05	0.00E+00	9.74E-05	9.74E-05	0.00E+00	8.95E-05	8.95E-05	2.97E+00	2.55E-03	1.31E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	25	1.27E-02	2.95E-03	3.35E-02	8.83E-06	0.00E+00	2.92E-05	2.92E-05	0.00E+00	2.69E-05	2.69E-05	8.92E-01	7.65E-04	3.93E-04
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	25	3.38E-02	7.88E-03	8.94E-02	2.35E-05	0.00E+00	7.79E-05	7.79E-05	0.00E+00	7.16E-05	7.16E-05	2.38E+00	2.04E-03	1.05E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	10	25	8.46E-03	1.97E-03	2.23E-02	5.88E-06	0.00E+00	1.95E-05	1.95E-05	0.00E+00	1.79E-05	1.79E-05	5.95E-01	5.10E-04	2.62E-04
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	25	2.12E-02	4.92E-03	5.59E-02	1.47E-05	0.00E+00	4.87E-05	4.87E-05	0.00E+00	4.48E-05	4.48E-05	1.49E+00	1.27E-03	6.55E-04
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	25	25	2.12E-02	4.92E-03	5.59E-02	1.47E-05	0.00E+00	4.87E-05	4.87E-05	0.00E+00	4.48E-05	4.48E-05	1.49E+00	1.27E-03	6.55E-04
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	15	25	1.27E-02	2.95E-03	3.35E-02	8.83E-06	0.00E+00	2.92E-05	2.92E-05	0.00E+00	2.69E-05	2.69E-05	8.92E-01	7.65E-04	3.93E-04
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	10	25	8.46E-03	1.97E-03	2.23E-02	5.88E-06	0.00E+00	1.95E-05	1.95E-05	0.00E+00	1.79E-05	1.79E-05	5.95E-01	5.10E-04	2.62E-04
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	25	25	2.12E-02	4.92E-03	5.59E-02	1.47E-05	0.00E+00	4.87E-05	4.87E-05	0.00E+00	4.48E-05	4.48E-05	1.49E+00	1.27E-03	6.55E-04
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	10	25	8.46E-03	1.97E-03	2.23E-02	5.88E-06	0.00E+00	1.95E-05	1.95E-05	0.00E+00	1.79E-05	1.79E-05	5.95E-01	5.10E-04	2.62E-04
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	50	25	3.98E-02	9.22E-03	1.07E-01	2.85E-05	0.00E+00	9.31E-05	9.31E-05	0.00E+00	8.56E-05	8.56E-05	2.88E+00	2.36E-03	1.25E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	15	25	1.19E-02	2.77E-03	3.22E-02	8.55E-06	0.00E+00	2.79E-05	2.79E-05	0.00E+00	2.57E-05	2.57E-05	8.64E-01	7.07E-04	3.76E-04
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	40	25	3.18E-02	7.38E-03	8.59E-02	2.28E-05	0.00E+00	7.45E-05	7.45E-05	0.00E+00	6.85E-05	6.85E-05	2.30E+00	1.89E-03	1.00E-03
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	25	25	1.99E-02	4.61E-03	5.37E-02	1.42E-05	0.00E+00	4.66E-05	4.66E-05	0.00E+00	4.28E-05	4.28E-05	1.44E+00	1.18E-03	6.27E-04
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	25	25	1.99E-02	4.61E-03	5.37E-02	1.42E-05	0.00E+00	4.66E-05	4.66E-05	0.00E+00	4.28E-05	4.28E-05	1.44E+00	1.18E-03	6.27E-04
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	15	25	1.19E-02	2.77E-03	3.22E-02	8.55E-06	0.00E+00	2.79E-05	2.79E-05	0.00E+00	2.57E-05	2.57E-05	8.64E-01	7.07E-04	3.76E-04
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	10	25	7.96E-03	1.84E-03	2.15E-02	5.70E-06	0.00E+00	1.86E-05	1.86E-05	0.00E+00	1.71E-05	1.71E-05	5.76E-01	4.72E-04	2.51E-04
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	10	25	7.96E-03	1.84E-03	2.15E-02	5.70E-06	0.00E+00	1.86E-05	1.86E-05	0.00E+00	1.71E-05	1.71E-05	5.76E-01	4.72E-04	2.51E-04
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	10	25	7.96E-03	1.84E-03	2.15E-02	5.70E-06	0.00E+00	1.86E-05	1.86E-05	0.00E+00	1.71E-05	1.71E-05	5.76E-01	4.72E-04	2.51E-04
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	25	25	1.99E-02	4.61E-03	5.37E-02	1.42E-05	0.00E+00	4.66E-05	4.66E-05	0.00E+00	4.28E-05	4.28E-05	1.44E+00	1.18E-03	6.27E-04
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	50	25	3.75E-02	8.70E-03	1.04E-01	2.77E-05	0.00E+00	8.84E-05	8.84E-05	0.00E+00	8.13E-05	8.13E-05	2.80E+00	2.19E-03	1.21E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	12.5	25	9.38E-03	2.17E-03	2.59E-02	6.92E-06	0.00E+00	2.21E-05	2.21E-05	0.00E+00	2.03E-05	2.03E-05	6.99E-01	5.48E-04	3.02E-04
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	25	25	1.88E-02	4.35E-03	5.18E-02	1.38E-05	0.00E+00	4.42E-05	4.42E-05	0.00E+00	4.06E-05	4.06E-05	1.40E+00	1.10E-03	6.03E-04
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	37.5	25	2.81E-02	6.52E-03	7.77E-02	2.07E-05	0.00E+00	6.63E-05	6.63E-05	0.00E+00	6.10E-05	6.10E-05	2.10E+00	1.64E-03	9.05E-04
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	25	25	1.88E-02	4.35E-03	5.18E-02	1.38E-05	0.00E+00	4.42E-05	4.42E-05	0.00E+00	4.06E-05	4.06E-05	1.40E+00	1.10E-03	6.03E-04
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	15	25	1.13E-02	2.61E-03	3.11E-02	8.30E-06	0.00E+00	2.65E-05	2.65E-05	0.00E+00	2.44E-05	2.44E-05	8.39E-01	6.57E-04	3.62E-04
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	17.5	25	1.31E-02	3.04E-03	3.63E-02	9.68E-06	0.00E+00	3.09E-05	3.09E-05	0.00E+00	2.84E-05	2.84E-05	9.78E-01	7.67E-04	4.22E-04
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	25	25	1.88E-02	4.35E-03	5.18E-02	1.38E-05	0.00E+00	4.42E-05	4.42E-05	0.00E+00	4.06E-05	4.06E-05	1.40E+00	1.10E-03	6.03E-04
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	25	9.38E-03	2.17E-03	2.59E-02	6.92E-06	0.00E+00	2.21E-05	2.21E-05	0.00E+00	2.03E-05	2.03E-05	6.99E-01	5.48E-04	3.02E-04
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	17.5	25	1.31E-02	3.04E-03	3.63E-02	9.68E-06	0.00E+00	3.09E-05	3.09E-05	0.00E+00	2.84E-05	2.84E-05	9.78E-01	7.67E-04	4.22E-04
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	50	25	3.54E-02	8.25E-03	1.00E-01	2.69E-05	0.00E+00	8.33E-05	8.33E-05	0.00E+00	7.66E-05	7.66E-05	2.72E+00	2.04E-03	1.17E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	10	25	7.09E-03	1.65E-03	2.01E-02	5.38E-06	0.00E+00	1.67E-05	1.67E-05	0.00E+00	1.53E-05	1.53E-05	5.44E-01	4.09E-04	2.33E-04
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	10	25	7.09E-03	1.65E-03	2.01E-02	5.38E-06	0.00E+00	1.67E-05	1.67E-05	0.00E+00	1.53E-05	1.53E-05	5.44E-01	4.09E-04	2.33E-04
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	50	25	3.54E-02	8.25E-03	1.00E-01	2.69E-05	0.00E+00	8.33E-05	8.33E-05	0.00E+00	7.66E-05	7.66E-05	2.72E+00	2.04E-03	1.17E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	25	25	1.77E-02	4.12E-03	5.02E-02	1.35E-05	0.00E+00	4.16E-05	4.16E-05	0.00E+00	3.83E-05	3.83E-05	1.36E+00	1.02E-03	5.83E-04
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	15	25	1.06E-02	2.47E-03	3.01E-02	8.07E-06	0.00E+00	2.50E-05	2.50E-05	0.00E+00	2.30E-05	2.30E-05	8.16E-01	6.13E-04	3.50E-04
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	25	25	1.77E-02	4.12E-03	5.02E-02	1.35E-05	0.00E+00	4.16E-05	4.16E-05	0.00E+00	3.83E-05	3.83E-05	1.36E+00	1.02E-03	5.83E-04
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	40	25	2.83E-02	6.60E-03	8.03E-02	2.15E-05	0.00E+00	6.66E-05	6.66E-05	0.00E+00	6.13E-05	6.13E-05	2.18E+00	1.64E-03	9.33E-04
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	15	25	1.06E-02	2.47E-03	3.01E-02	8.07E-06	0.00E+00	2.50E-05	2.50E-05	0.00E+00	2.30E-05	2.30E-05	8.16E-01	6.13E-04	3.50E-04
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	25	6.68E-03	1.57E-03	1.95E-02	5.25E-06	0.00E+00	1.57E-05	1.57E-05	0.00E+00	1.44E-05	1.44E-05	5.30E-01	3.83E-04	2.26E-04
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	50	25	3.34E-02	7.86E-03	9.73E-02	2.62E-05	0.00E+00	7.84E-05	7.84E-05	0.00E+00	7.21E-05	7.21E-05	2.65E+00	1.91E-03	1.13E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	25	1.67E-02	3.93E-03	4.87E-02	1.31E-05	0.00E+00	3.92E-05	3.92E-05	0.00E+00	3.60E-05	3.60E-05	1.33E+00	9.57E-04	5.66E-04
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	25	1.67E-02	3.93E-03	4.87E-02	1.31E-05	0.00E+00	3.92E-05	3.92E-05	0.00E+00	3.60E-05	3.60E-05	1.33E+00	9.57E-04	5.66E-04
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	37.5	25	2.50E-02	5.90E-03	7.30E-02	1.97E-05	0.00E+00	5.88E-05	5.88E-05	0.00E+00	5.41E-05	5.41E-05	1.99E+00	1.44E-03	8.49E-04
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	25	25	1.67E-02	3.93E-03	4.87E-02	1.31E-05	0.00E+00	3.92E-05	3.92E-05	0.00E+00	3.60E-05	3.60E-05	1.33E+00	9.57E-04	5.66E-04
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	15	25	1.00E-02	2.36E-03	2.92E-02	7.87E-06	0.00E+00	2.35E-05	2.35E-05	0.00E+00	2.16E-05	2.16E-05	7.95E-01	5.74E-04	3.40E-04
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	17.5	25	1.17E-02	2.75E-03	3.41E-02	9.18E-06	0.00E+00	2.74E-05	2.74E-05	0.00E+00	2.52E-05	2.52E-05	9.28E-01	6.70E-04	3.96E-04
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	12.5	25	8.35E-03	1.97E-03	2.43E-02	6.56E-06	0.00E+00	1.96E-05	1.96E-05	0.00E+00	1.80E-05	1.80E-05	6.63E-01	4.79E-04	2.83E-04
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	25	25	1.67E-02	3.93E-03	4.87E-02	1.31E-05	0.00E+00	3.92E-05	3.92E-05	0.00E+00	3.60E-05	3.60E-05	1.33E+00	9.57E-04	5.66E-04
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
						MT/yr			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	50	25	261	3.52E-01	3.02E-04	1.55E-04	4.06E-01
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	15	25	261	1.06E-01	9.06E-05	4.65E-05	1.22E-01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	40	25	261	2.82E-01	2.41E-04	1.24E-04	3.25E-01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	10	25	261	7.04E-02	6.04E-05	3.10E-05	8.12E-02
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	25	25	261	1.76E-01	1.51E-04	7.76E-05	2.03E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	25	25	261	1.76E-01	1.51E-04	7.76E-05	2.03E-01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	15	25	261	1.06E-01	9.06E-05	4.65E-05	1.22E-01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	10	25	261	7.04E-02	6.04E-05	3.10E-05	8.12E-02
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	25	25	261	1.76E-01	1.51E-04	7.76E-05	2.03E-01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	10	25	261	7.04E-02	6.04E-05	3.10E-05	8.12E-02
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	50	25	261	3.41E-01	2.79E-04	1.48E-04	3.92E-01
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	15	25	261	1.02E-01	8.37E-05	4.45E-05	1.18E-01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	40	25	261	2.73E-01	2.23E-04	1.19E-04	3.14E-01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	25	25	261	1.70E-01	1.40E-04	7.42E-05	1.96E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	25	25	261	1.70E-01	1.40E-04	7.42E-05	1.96E-01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	15	25	261	1.02E-01	8.37E-05	4.45E-05	1.18E-01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	10	25	261	6.82E-02	5.58E-05	2.97E-05	7.84E-02
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	10	25	261	6.82E-02	5.58E-05	2.97E-05	7.84E-02
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	10	25	261	6.82E-02	5.58E-05	2.97E-05	7.84E-02
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	25	25	261	1.70E-01	1.40E-04	7.42E-05	1.96E-01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	50	25	261	3.31E-01	2.59E-04	1.43E-04	3.80E-01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	12.5	25	261	8.27E-02	6.49E-05	3.57E-05	9.50E-02
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	25	25	261	1.65E-01	1.30E-04	7.14E-05	1.90E-01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	37.5	25	261	2.48E-01	1.95E-04	1.07E-04	2.85E-01
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	25	25	261	1.65E-01	1.30E-04	7.14E-05	1.90E-01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	15	25	261	9.93E-02	7.78E-05	4.28E-05	1.14E-01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	17.5	25	261	1.16E-01	9.08E-05	5.00E-05	1.33E-01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	25	25	261	1.65E-01	1.30E-04	7.14E-05	1.90E-01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	12.5	25	261	8.27E-02	6.49E-05	3.57E-05	9.50E-02
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	17.5	25	261	1.16E-01	9.08E-05	5.00E-05	1.33E-01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	50	25	260	3.21E-01	2.41E-04	1.38E-04	3.68E-01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	10	25	260	6.42E-02	4.82E-05	2.75E-05	7.36E-02
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	10	25	260	6.42E-02	4.82E-05	2.75E-05	7.36E-02
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	50	25	260	3.21E-01	2.41E-04	1.38E-04	3.68E-01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	25	25	260	1.60E-01	1.21E-04	6.88E-05	1.84E-01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	15	25	260	9.62E-02	7.23E-05	4.13E-05	1.10E-01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	25	25	260	1.60E-01	1.21E-04	6.88E-05	1.84E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	40	25	260	2.57E-01	1.93E-04	1.10E-04	2.94E-01
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	15	25	260	9.62E-02	7.23E-05	4.13E-05	1.10E-01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	10	25	261	6.28E-02	4.53E-05	2.68E-05	7.19E-02
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	50	25	261	3.14E-01	2.27E-04	1.34E-04	3.60E-01
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	25	25	261	1.57E-01	1.13E-04	6.70E-05	1.80E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	25	25	261	1.57E-01	1.13E-04	6.70E-05	1.80E-01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	37.5	25	261	2.35E-01	1.70E-04	1.01E-04	2.70E-01
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	25	25	261	1.57E-01	1.13E-04	6.70E-05	1.80E-01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	15	25	261	9.42E-02	6.80E-05	4.02E-05	1.08E-01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	17.5	25	261	1.10E-01	7.93E-05	4.69E-05	1.26E-01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	12.5	25	261	7.85E-02	5.66E-05	3.35E-05	8.99E-02
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	25	25	261	1.57E-01	1.13E-04	6.70E-05	1.80E-01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00

						Vendor Running Emission Factors												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission Factor (g/mile)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	9	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	2	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	6	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	2	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	6	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	7	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	6	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	4	25	15	1.72E-02	1.74E+00	3.11E-01	1.06E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.14E+03	3.98E-02	1.65E-01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	25	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	2	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	6	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	6	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	6	25	15	1.66E-02	1.73E+00	3.05E-01	1.04E-02	4.19E-01	1.36E-02	4.33E-01	1.21E-01	1.30E-02	1.33E-01	1.12E+03	3.99E-02	1.62E-01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	12	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	4.5	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	14.5	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	8.5	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	15	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	6	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	4.5	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	15.5	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	5	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	6	25	15	1.61E-02	1.71E+00	3.01E-01	1.02E-02	4.19E-01	1.35E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.10E+03	3.99E-02	1.59E-01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	15	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	7	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	4	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	15	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	15	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	6	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	2	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	25	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	6	25	15	1.57E-02	1.70E+00	2.98E-01	9.98E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.29E-02	1.33E-01	1.08E+03	4.00E-02	1.56E-01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	6	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	11.5	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	14.5	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	14.5	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	8.5	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	6	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	4.5	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	2	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	15.5	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	25	15	1.54E-02	1.68E+00	2.96E-01	9.79E-03	4.19E-01	1.34E-02	4.33E-01	1.21E-01	1.28E-02	1.33E-01	1.06E+03	4.01E-02	1.53E-01

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	9	25	15	8.53E-03	8.64E-01	1.54E-01	5.26E-03	2.08E-01	6.73E-03	2.15E-01	5.98E-02	6.44E-03	6.62E-02	5.68E+02	1.97E-02	8.17E-02
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	2	25	15	1.90E-03	1.92E-01	3.43E-02	1.17E-03	4.62E-02	1.50E-03	4.77E-02	1.33E-02	1.43E-03	1.47E-02	1.26E+02	4.39E-03	1.82E-02
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	25	15	2.37E-02	2.40E+00	4.28E-01	1.46E-02	5.78E-01	1.87E-02	5.96E-01	1.66E-01	1.79E-02	1.84E-01	1.58E+03	5.48E-02	2.27E-01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	6	25	15	5.69E-03	5.76E-01	1.03E-01	3.51E-03	1.39E-01	4.49E-03	1.43E-01	3.99E-02	4.29E-03	4.41E-02	3.79E+02	1.32E-02	5.45E-02
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	2	25	15	1.90E-03	1.92E-01	3.43E-02	1.17E-03	4.62E-02	1.50E-03	4.77E-02	1.33E-02	1.43E-03	1.47E-02	1.26E+02	4.39E-03	1.82E-02
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	25	15	1.42E-02	1.44E+00	2.57E-01	8.77E-03	3.47E-01	1.12E-02	3.58E-01	9.96E-02	1.07E-02	1.10E-01	9.46E+02	3.29E-02	1.36E-01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	6	25	15	5.69E-03	5.76E-01	1.03E-01	3.51E-03	1.39E-01	4.49E-03	1.43E-01	3.99E-02	4.29E-03	4.41E-02	3.79E+02	1.32E-02	5.45E-02
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	7	25	15	6.63E-03	6.72E-01	1.20E-01	4.09E-03	1.62E-01	5.24E-03	1.67E-01	4.65E-02	5.01E-03	5.15E-02	4.42E+02	1.53E-02	6.36E-02
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	6	25	15	5.69E-03	5.76E-01	1.03E-01	3.51E-03	1.39E-01	4.49E-03	1.43E-01	3.99E-02	4.29E-03	4.41E-02	3.79E+02	1.32E-02	5.45E-02
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	4	25	15	3.79E-03	3.84E-01	6.85E-02	2.34E-03	9.24E-02	2.99E-03	9.54E-02	2.66E-02	2.86E-03	2.94E-02	2.52E+02	8.77E-03	3.63E-02
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9	25	15	8.25E-03	8.57E-01	1.51E-01	5.16E-03	2.08E-01	6.72E-03	2.15E-01	5.98E-02	6.43E-03	6.62E-02	5.57E+02	1.98E-02	8.03E-02
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2	25	15	1.83E-03	1.90E-01	3.37E-02	1.15E-03	4.62E-02	1.49E-03	4.77E-02	1.33E-02	1.43E-03	1.47E-02	1.24E+02	4.40E-03	1.78E-02
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	25	25	15	2.29E-02	2.38E+00	4.21E-01	1.43E-02	5.78E-01	1.87E-02	5.96E-01	1.66E-01	1.79E-02	1.84E-01	1.55E+03	5.50E-02	2.23E-01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2	25	15	1.83E-03	1.90E-01	3.37E-02	1.15E-03	4.62E-02	1.49E-03	4.77E-02	1.33E-02	1.43E-03	1.47E-02	1.24E+02	4.40E-03	1.78E-02
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	2	25	15	1.83E-03	1.90E-01	3.37E-02	1.15E-03	4.62E-02	1.49E-03	4.77E-02	1.33E-02	1.43E-03	1.47E-02	1.24E+02	4.40E-03	1.78E-02
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	6	25	15	5.50E-03	5.71E-01	1.01E-01	3.44E-03	1.39E-01	4.48E-03	1.43E-01	3.99E-02	4.29E-03	4.41E-02	3.71E+02	1.32E-02	5.35E-02
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7	25	15	6.41E-03	6.66E-01	1.18E-01	4.01E-03	1.62E-01	5.23E-03	1.67E-01	4.65E-02	5.00E-03	5.15E-02	4.33E+02	1.54E-02	6.24E-02
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	6	25	15	5.50E-03	5.71E-01	1.01E-01	3.44E-03	1.39E-01	4.48E-03	1.43E-01	3.99E-02	4.29E-03	4.41E-02	3.71E+02	1.32E-02	5.35E-02
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4	25	15	3.67E-03	3.81E-01	6.73E-02	2.29E-03	9.24E-02	2.99E-03	9.54E-02	2.66E-02	2.86E-03	2.94E-02	2.48E+02	8.80E-03	3.57E-02
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	6	25	15	5.50E-03	5.71E-01	1.01E-01	3.44E-03	1.39E-01	4.48E-03	1.43E-01	3.99E-02	4.29E-03	4.41E-02	3.71E+02	1.32E-02	5.35E-02
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	12	25	15	1.07E-02	1.13E+00	1.99E-01	6.74E-03	2.77E-01	8.93E-03	2.86E-01	7.97E-02	8.54E-03	8.82E-02	7.28E+02	2.64E-02	1.05E-01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	4.5	25	15	4.00E-03	4.24E-01	7.46E-02	2.53E-03	1.04E-01	3.35E-03	1.07E-01	2.99E-02	3.20E-03	3.31E-02	2.73E+02	9.89E-03	3.94E-02
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	14.5	25	15	1.29E-02	1.37E+00	2.40E-01	8.14E-03	3.35E-01	1.08E-02	3.46E-01	9.63E-02	1.03E-02	1.07E-01	8.80E+02	3.19E-02	1.27E-01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	8.5	25	15	7.56E-03	8.02E-01	1.41E-01	4.77E-03	1.96E-01	6.32E-03	2.03E-01	5.65E-02	6.05E-03	6.25E-02	5.16E+02	1.87E-02	7.44E-02
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	15	25	15	1.33E-02	1.41E+00	2.49E-01	8.42E-03	3.47E-01	1.12E-02	3.58E-01	9.96E-02	1.07E-02	1.10E-01	9.10E+02	3.30E-02	1.31E-01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	6	25	15	5.33E-03	5.66E-01	9.94E-02	3.37E-03	1.39E-01	4.46E-03	1.43E-01	3.99E-02	4.27E-03	4.41E-02	3.64E+02	1.32E-02	5.25E-02
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	4.5	25	15	4.00E-03	4.24E-01	7.46E-02	2.53E-03	1.04E-01	3.35E-03	1.07E-01	2.99E-02	3.20E-03	3.31E-02	2.73E+02	9.89E-03	3.94E-02
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	15.5	25	15	1.38E-02	1.46E+00	2.57E-01	8.70E-03	3.58E-01	1.15E-02	3.70E-01	1.03E-01	1.10E-02	1.14E-01	9.40E+02	3.41E-02	1.36E-01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	5	25	15	4.44E-03	4.71E-01	8.29E-02	2.81E-03	1.16E-01	3.72E-03	1.19E-01	3.32E-02	3.56E-03	3.68E-02	3.03E+02	1.10E-02	4.38E-02
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	6	25	15	5.33E-03	5.66E-01	9.94E-02	3.37E-03	1.39E-01	4.46E-03	1.43E-01	3.99E-02	4.27E-03	4.41E-02	3.64E+02	1.32E-02	5.25E-02
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	15	25	15	1.30E-02	1.40E+00	2.46E-01	8.25E-03	3.47E-01	1.11E-02	3.58E-01	9.96E-02	1.06E-02	1.10E-01	8.92E+02	3.31E-02	1.29E-01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	7	25	15	6.07E-03	6.55E-01	1.15E-01	3.85E-03	1.62E-01	5.19E-03	1.67E-01	4.65E-02	4.96E-03	5.15E-02	4.16E+02	1.54E-02	6.01E-02
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	4	25	15	3.47E-03	3.74E-01	6.57E-02	2.20E-03	9.24E-02	2.96E-03	9.54E-02	2.66E-02	2.84E-03	2.94E-02	2.38E+02	8.81E-03	3.44E-02
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	15	25	15	1.30E-02	1.40E+00	2.46E-01	8.25E-03	3.47E-01	1.11E-02	3.58E-01	9.96E-02	1.06E-02	1.10E-01	8.92E+02	3.31E-02	1.29E-01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	15	25	15	1.30E-02	1.40E+00	2.46E-01	8.25E-03	3.47E-01	1.11E-02	3.58E-01	9.96E-02	1.06E-02	1.10E-01	8.92E+02	3.31E-02	1.29E-01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	6	25	15	5.20E-03	5.61E-01	9.85E-02	3.30E-03	1.39E-01	4.45E-03	1.43E-01	3.99E-02	4.25E-03	4.41E-02	3.57E+02	1.32E-02	5.15E-02
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	2	25	15	1.73E-03	1.87E-01	3.28E-02	1.10E-03	4.62E-02	1.48E-03	4.77E-02	1.33E-02	1.42E-03	1.47E-02	1.19E+02	4.41E-03	1.72E-02
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	25	25	15	2.17E-02	2.34E+00	4.10E-01	1.38E-02	5.78E-01	1.85E-02	5.96E-01	1.66E-01	1.77E-02	1.84E-01	1.49E+03	5.51E-02	2.15E-01
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	6	25	15	5.20E-03	5.61E-01	9.85E-02	3.30E-03	1.39E-01	4.45E-03	1.43E-01	3.99E-02	4.25E-03	4.41E-02	3.57E+02	1.32E-02	5.15E-02
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	6	25	15	5.08E-03	5.56E-01	9.78E-02	3.24E-03	1.39E-01	4.42E-03	1.43E-01	3.99E-02	4.23E-03	4.41E-02	3.50E+02	1.33E-02	5.06E-02
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	11.5	25	15	9.74E-03	1.07E+00	1.87E-01	6.20E-03	2.66E-01	8.48E-03	2.74E-01	7.64E-02	8.11E-03	8.45E-02	6.71E+02	2.54E-02	9.70E-02
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	14.5	25	15	1.23E-02	1.34E+00	2.36E-01	7.82E-03	3.35E-01	1.07E-02	3.46E-01	9.63E-02	1.02E-02	1.07E-01	8.46E+02	3.21E-02	1.22E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	14.5	25	15	1.23E-02	1.34E+00	2.36E-01	7.82E-03	3.35E-01	1.07E-02	3.46E-01	9.63E-02	1.02E-02	1.07E-01	8.46E+02	3.21E-02	1.22E-01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	8.5	25	15	7.20E-03	7.88E-01	1.38E-01	4.59E-03	1.96E-01	6.27E-03	2.03E-01	5.65E-02	5.99E-03	6.24E-02	4.96E+02	1.88E-02	7.17E-02
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	25	15	1.27E-02	1.39E+00	2.44E-01	8.09E-03	3.47E-01	1.11E-02	3.58E-01	9.96E-02	1.06E-02	1.10E-01	8.75E+02	3.32E-02	1.26E-01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	6	25	15	5.08E-03	5.56E-01	9.78E-02	3.24E-03	1.39E-01	4.42E-03	1.43E-01	3.99E-02	4.23E-03	4.41E-02	3.50E+02	1.33E-02	5.06E-02
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	4.5	25	15	3.81E-03	4.17E-01	7.33E-02	2.43E-03	1.04E-01	3.32E-03	1.07E-01	2.99E-02	3.17E-03	3.31E-02	2.63E+02	9.95E-03	3.79E-02
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	2	25	15	1.69E-03	1.85E-01	3.26E-02	1.08E-03	4.62E-02	1.47E-03	4.77E-02	1.33E-02	1.41E-03	1.47E-02	1.17E+02	4.42E-03	1.69E-02
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	15.5	25	15	1.31E-02	1.44E+00	2.53E-01	8.36E-03	3.58E-01	1.14E-02	3.70E-01	1.03E-01	1.09E-02	1.14E-01	9.05E+02	3.43E-02	1.31E-01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
							MT/year			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	9	25	15	261	67.2184592	0.00233615	0.00967711	7.02E+01
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	2	25	15	261	14.9374354	0.00051914	0.00215047	1.56E+01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	25	15	261	186.717942	0.0064893	0.02688085	1.95E+02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	6	25	15	261	44.8123061	0.00155743	0.0064514	4.68E+01
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	2	25	15	261	14.9374354	0.00051914	0.00215047	1.56E+01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	25	15	261	112.030765	0.00389358	0.01612851	1.17E+02
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	6	25	15	261	44.8123061	0.00155743	0.0064514	4.68E+01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	25	15	261	0	0	0	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	7	25	15	261	52.2810238	0.001817	0.00752664	5.46E+01
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	6	25	15	261	44.8123061	0.00155743	0.0064514	4.68E+01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	4	25	15	261	29.8748707	0.00103829	0.00430094	3.12E+01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9	25	15	261	65.9589785	0.00234286	0.00950532	6.89E+01
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2	25	15	261	14.6575508	0.00052064	0.00211229	1.53E+01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	25	25	15	261	183.219385	0.00650796	0.02640366	1.91E+02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2	25	15	261	14.6575508	0.00052064	0.00211229	1.53E+01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	2	25	15	261	14.6575508	0.00052064	0.00211229	1.53E+01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	6	25	15	261	43.9726523	0.00156191	0.00633688	4.59E+01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7	25	15	261	51.3014277	0.00182223	0.00739302	5.36E+01
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	6	25	15	261	43.9726523	0.00156191	0.00633688	4.59E+01
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	15	261	0	0	0	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4	25	15	261	29.3151016	0.00104127	0.00422458	3.06E+01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	6	25	15	261	43.9726523	0.00156191	0.00633688	4.59E+01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	12	25	15	261	86.1847615	0.00312086	0.01243439	9.00E+01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	4.5	25	15	261	32.3192856	0.00117032	0.00466289	3.37E+01
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	14.5	25	15	261	104.13992	0.00377104	0.01502488	1.09E+02
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	8.5	25	15	261	61.0475394	0.00221061	0.00880769	6.37E+01
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	15	25	15	261	107.730952	0.00390108	0.01554298	1.12E+02
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	6	25	15	261	43.0923808	0.00156043	0.00621719	4.50E+01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	4.5	25	15	261	32.3192856	0.00117032	0.00466289	3.37E+01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	15.5	25	15	261	111.321984	0.00403111	0.01606108	1.16E+02
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	15	261	0	0	0	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	5	25	15	261	35.9103173	0.00130036	0.00518099	3.75E+01
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	6	25	15	261	43.0923808	0.00156043	0.00621719	4.50E+01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	15	25	15	260	105.23309	0.00389783	0.01519387	1.10E+02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	7	25	15	260	49.1087753	0.00181899	0.00709047	5.13E+01
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	4	25	15	260	28.0621573	0.00103942	0.0040517	2.93E+01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	15	25	15	260	105.23309	0.00389783	0.01519387	1.10E+02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	15	25	15	260	105.23309	0.00389783	0.01519387	1.10E+02
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	6	25	15	260	42.093236	0.00155913	0.00607755	4.39E+01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	2	25	15	260	14.0310787	0.00051971	0.00202585	1.46E+01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	25	15	260	0	0	0	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	25	25	15	260	175.388483	0.00649639	0.02532312	1.83E+02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	25	15	260	0	0	0	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	6	25	15	260	42.093236	0.00155913	0.00607755	4.39E+01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	6	25	15	261	41.4546382	0.00157018	0.00598951	4.33E+01
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	11.5	25	15	261	79.4547232	0.00300951	0.01147989	8.30E+01
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	14.5	25	15	261	100.182042	0.0037946	0.01447464	1.05E+02
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	14.5	25	15	261	100.182042	0.0037946	0.01447464	1.05E+02
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	8.5	25	15	261	58.7274041	0.00222442	0.00848514	6.13E+01
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	25	15	261	103.636596	0.00392545	0.01497377	1.08E+02
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	6	25	15	261	41.4546382	0.00157018	0.00598951	4.33E+01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	4.5	25	15	261	31.0909787	0.00117764	0.00449213	3.25E+01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	2	25	15	261	13.8182127	0.00052339	0.0019965	1.44E+01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	15.5	25	15	261	107.091149	0.0040563	0.01547289	1.12E+02
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	25	15	261	0	0	0	0.00E+00

Vendor Starting Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/trip)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	9	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	2	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	6	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	2	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	6	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	7	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	6	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	4	25	15	8.73E-02	2.01E+00	5.34E-01	5.09E-05	0.00E+00	5.51E-05	5.51E-05	0.00E+00	5.06E-05	5.06E-05	5.14E+00	4.93E-03	4.08E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	25	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	2	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	6	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	6	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	6	25	15	8.25E-02	2.02E+00	5.03E-01	4.89E-05	0.00E+00	5.35E-05	5.35E-05	0.00E+00	4.92E-05	4.92E-05	4.94E+00	4.71E-03	3.98E-03
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	12	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	4.5	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	14.5	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	8.5	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	15	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	6	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	4.5	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	15.5	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	5	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	6	25	15	7.83E-02	2.02E+00	4.76E-01	4.70E-05	0.00E+00	5.22E-05	5.22E-05	0.00E+00	4.80E-05	4.80E-05	4.75E+00	4.52E-03	3.90E-03
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	15	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	7	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	4	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	15	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	15	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	6	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	2	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	25	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	6	25	15	7.47E-02	2.03E+00	4.53E-01	4.54E-05	0.00E+00	5.14E-05	5.14E-05	0.00E+00	4.72E-05	4.72E-05	4.59E+00	4.36E-03	3.84E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	6	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	11.5	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	14.5	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	14.5	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	8.5	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	6	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	4.5	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	2	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	15.5	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	25	15	7.15E-02	2.03E+00	4.33E-01	4.40E-05	0.00E+00	5.07E-05	5.07E-05	0.00E+00	4.66E-05	4.66E-05	4.44E+00	4.23E-03	3.79E-03

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	9	25	15	8.66E-04	2.00E-02	5.30E-03	5.05E-07	0.00E+00	5.46E-07	5.46E-07	0.00E+00	5.02E-07	5.02E-07	5.10E-02	4.89E-05	4.04E-05
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	2	25	15	1.93E-04	4.44E-03	1.18E-03	1.12E-07	0.00E+00	1.21E-07	1.21E-07	0.00E+00	1.12E-07	1.12E-07	1.13E-02	1.09E-05	8.99E-06
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	25	15	2.41E-03	5.55E-02	1.47E-02	1.40E-06	0.00E+00	1.52E-06	1.52E-06	0.00E+00	1.39E-06	1.39E-06	1.42E-01	1.36E-04	1.12E-04
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	6	25	15	5.78E-04	1.33E-02	3.53E-03	3.36E-07	0.00E+00	3.64E-07	3.64E-07	0.00E+00	3.35E-07	3.35E-07	3.40E-02	3.26E-05	2.70E-05
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	2	25	15	1.93E-04	4.44E-03	1.18E-03	1.12E-07	0.00E+00	1.21E-07	1.21E-07	0.00E+00	1.12E-07	1.12E-07	1.13E-02	1.09E-05	8.99E-06
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	25	15	1.44E-03	3.33E-02	8.83E-03	8.41E-07	0.00E+00	9.10E-07	9.10E-07	0.00E+00	8.37E-07	8.37E-07	8.50E-02	8.16E-05	6.74E-05
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	6	25	15	5.78E-04	1.33E-02	3.53E-03	3.36E-07	0.00E+00	3.64E-07	3.64E-07	0.00E+00	3.35E-07	3.35E-07	3.40E-02	3.26E-05	2.70E-05
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	7	25	15	6.74E-04	1.55E-02	4.12E-03	3.92E-07	0.00E+00	4.25E-07	4.25E-07	0.00E+00	3.91E-07	3.91E-07	3.97E-02	3.81E-05	3.15E-05
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	6	25	15	5.78E-04	1.33E-02	3.53E-03	3.36E-07	0.00E+00	3.64E-07	3.64E-07	0.00E+00	3.35E-07	3.35E-07	3.40E-02	3.26E-05	2.70E-05
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	4	25	15	3.85E-04	8.88E-03	2.35E-03	2.24E-07	0.00E+00	2.43E-07	2.43E-07	0.00E+00	2.23E-07	2.23E-07	2.27E-02	2.18E-05	1.80E-05
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9	25	15	8.19E-04	2.00E-02	4.99E-03	4.85E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	4.90E-02	4.68E-05	3.95E-05
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2	25	15	1.82E-04	4.45E-03	1.11E-03	1.08E-07	0.00E+00	1.18E-07	1.18E-07	0.00E+00	1.08E-07	1.08E-07	1.09E-02	1.04E-05	8.78E-06
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	25	25	15	2.27E-03	5.56E-02	1.39E-02	1.35E-06	0.00E+00	1.47E-06	1.47E-06	0.00E+00	1.36E-06	1.36E-06	1.36E-01	1.30E-04	1.10E-04
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2	25	15	1.82E-04	4.45E-03	1.11E-03	1.08E-07	0.00E+00	1.18E-07	1.18E-07	0.00E+00	1.08E-07	1.08E-07	1.09E-02	1.04E-05	8.78E-06
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	2	25	15	1.82E-04	4.45E-03	1.11E-03	1.08E-07	0.00E+00	1.18E-07	1.18E-07	0.00E+00	1.08E-07	1.08E-07	1.09E-02	1.04E-05	8.78E-06
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	6	25	15	5.46E-04	1.34E-02	3.33E-03	3.23E-07	0.00E+00	3.54E-07	3.54E-07	0.00E+00	3.25E-07	3.25E-07	3.27E-02	3.12E-05	2.63E-05
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7	25	15	6.37E-04	1.56E-02	3.88E-03	3.77E-07	0.00E+00	4.13E-07	4.13E-07	0.00E+00	3.80E-07	3.80E-07	3.81E-02	3.64E-05	3.07E-05
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	6	25	15	5.46E-04	1.34E-02	3.33E-03	3.23E-07	0.00E+00	3.54E-07	3.54E-07	0.00E+00	3.25E-07	3.25E-07	3.27E-02	3.12E-05	2.63E-05
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4	25	15	3.64E-04	8.90E-03	2.22E-03	2.15E-07	0.00E+00	2.36E-07	2.36E-07	0.00E+00	2.17E-07	2.17E-07	2.18E-02	2.08E-05	1.76E-05
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	6	25	15	5.46E-04	1.34E-02	3.33E-03	3.23E-07	0.00E+00	3.54E-07	3.54E-07	0.00E+00	3.25E-07	3.25E-07	3.27E-02	3.12E-05	2.63E-05
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	12	25	15	1.04E-03	2.68E-02	6.29E-03	6.21E-07	0.00E+00	6.91E-07	6.91E-07	0.00E+00	6.35E-07	6.35E-07	6.28E-02	5.98E-05	5.15E-05
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	4.5	25	15	3.88E-04	1.00E-02	2.36E-03	2.33E-07	0.00E+00	2.59E-07	2.59E-07	0.00E+00	2.38E-07	2.38E-07	2.35E-02	2.24E-05	1.93E-05
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	14.5	25	15	1.25E-03	3.24E-02	7.60E-03	7.51E-07	0.00E+00	8.35E-07	8.35E-07	0.00E+00	7.67E-07	7.67E-07	7.59E-02	7.22E-05	6.23E-05
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	8.5	25	15	7.33E-04	1.90E-02	4.46E-03	4.40E-07	0.00E+00	4.89E-07	4.89E-07	0.00E+00	4.50E-07	4.50E-07	4.45E-02	4.23E-05	3.65E-05
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	15	25	15	1.29E-03	3.35E-02	7.86E-03	7.77E-07	0.00E+00	8.63E-07	8.63E-07	0.00E+00	7.94E-07	7.94E-07	7.85E-02	7.47E-05	6.44E-05
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	6	25	15	5.18E-04	1.34E-02	3.15E-03	3.11E-07	0.00E+00	3.45E-07	3.45E-07	0.00E+00	3.18E-07	3.18E-07	3.14E-02	2.99E-05	2.58E-05
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	4.5	25	15	3.88E-04	1.00E-02	2.36E-03	2.33E-07	0.00E+00	2.59E-07	2.59E-07	0.00E+00	2.38E-07	2.38E-07	2.35E-02	2.24E-05	1.93E-05
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	15.5	25	15	1.34E-03	3.46E-02	8.13E-03	8.03E-07	0.00E+00	8.92E-07	8.92E-07	0.00E+00	8.20E-07	8.20E-07	8.11E-02	7.72E-05	6.66E-05
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	5	25	15	4.31E-04	1.12E-02	2.62E-03	2.59E-07	0.00E+00	2.88E-07	2.88E-07	0.00E+00	2.65E-07	2.65E-07	2.62E-02	2.49E-05	2.15E-05
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	6	25	15	5.18E-04	1.34E-02	3.15E-03	3.11E-07	0.00E+00	3.45E-07	3.45E-07	0.00E+00	3.18E-07	3.18E-07	3.14E-02	2.99E-05	2.58E-05
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	15	25	15	1.24E-03	3.36E-02	7.49E-03	7.51E-07	0.00E+00	8.50E-07	8.50E-07	0.00E+00	7.81E-07	7.81E-07	7.59E-02	7.22E-05	6.34E-05
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	7	25	15	5.77E-04	1.57E-02	3.50E-03	3.50E-07	0.00E+00	3.96E-07	3.96E-07	0.00E+00	3.65E-07	3.65E-07	3.54E-02	3.37E-05	2.96E-05
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	4	25	15	3.30E-04	8.95E-03	2.00E-03	2.00E-07	0.00E+00	2.27E-07	2.27E-07	0.00E+00	2.08E-07	2.08E-07	2.02E-02	1.92E-05	1.69E-05
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	15	25	15	1.24E-03	3.36E-02	7.49E-03	7.51E-07	0.00E+00	8.50E-07	8.50E-07	0.00E+00	7.81E-07	7.81E-07	7.59E-02	7.22E-05	6.34E-05
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	15	25	15	1.24E-03	3.36E-02	7.49E-03	7.51E-07	0.00E+00	8.50E-07	8.50E-07	0.00E+00	7.81E-07	7.81E-07	7.59E-02	7.22E-05	6.34E-05
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	6	25	15	4.94E-04	1.34E-02	3.00E-03	3.00E-07	0.00E+00	3.40E-07	3.40E-07	0.00E+00	3.12E-07	3.12E-07	3.03E-02	2.89E-05	2.54E-05
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	2	25	15	1.65E-04	4.47E-03	9.99E-04	1.00E-07	0.00E+00	1.13E-07	1.13E-07	0.00E+00	1.04E-07	1.04E-07	1.01E-02	9.62E-06	8.46E-06
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	25	25	15	2.06E-03	5.59E-02	1.25E-02	1.25E-06	0.00E+00	1.42E-06	1.42E-06	0.00E+00	1.30E-06	1.30E-06	1.26E-01	1.20E-04	1.06E-04
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	6	25	15	4.94E-04	1.34E-02	3.00E-03	3.00E-07	0.00E+00	3.40E-07	3.40E-07	0.00E+00	3.12E-07	3.12E-07	3.03E-02	2.89E-05	2.54E-05
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	6	25	15	4.73E-04	1.35E-02	2.86E-03	2.91E-07	0.00E+00	3.35E-07	3.35E-07	0.00E+00	3.08E-07	3.08E-07	2.94E-02	2.80E-05	2.50E-05
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	11.5	25	15	9.07E-04	2.58E-02	5.49E-03	5.57E-07	0.00E+00	6.42E-07	6.42E-07	0.00E+00	5.91E-07	5.91E-07	5.63E-02	5.36E-05	4.80E-05
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	14.5	25	15	1.14E-03	3.25E-02	6.92E-03	7.03E-07	0.00E+00	8.10E-07	8.10E-07	0.00E+00	7.45E-07	7.45E-07	7.10E-02	6.76E-05	6.05E-05
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	14.5	25	15	1.14E-03	3.25E-02	6.92E-03	7.03E-07	0.00E+00	8.10E-07	8.10E-07	0.00E+00	7.45E-07	7.45E-07	7.10E-02	6.76E-05	6.05E-05
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	8.5	25	15	6.70E-04	1.91E-02	4.06E-03	4.12E-07	0.00E+00	4.75E-07	4.75E-07	0.00E+00	4.37E-07	4.37E-07	4.16E-02	3.96E-05	3.55E-05
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	25	15	1.18E-03	3.36E-02	7.16E-03	7.27E-07	0.00E+00	8.38E-07	8.38E-07	0.00E+00	7.71E-07	7.71E-07	7.35E-02	6.99E-05	6.26E-05
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	6	25	15	4.73E-04	1.35E-02	2.86E-03	2.91E-07	0.00E+00	3.35E-07	3.35E-07	0.00E+00	3.08E-07	3.08E-07	2.94E-02	2.80E-05	2.50E-05
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	4.5	25	15	3.55E-04	1.01E-02	2.15E-03	2.18E-07	0.00E+00	2.51E-07	2.51E-07	0.00E+00	2.31E-07	2.31E-07	2.20E-02	2.10E-05	1.88E-05
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	2	25	15	1.58E-04	4.48E-03	9.55E-04	9.70E-08	0.00E+00	1.12E-07	1.12E-07	0.00E+00	1.03E-07	1.03E-07	9.80E-03	9.33E-06	8.35E-06
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	15.5	25	15	1.22E-03	3.48E-02	7.40E-03	7.51E-07	0.00E+00	8.66E-07	8.66E-07	0.00E+00	7.96E-07	7.96E-07	7.59E-02	7.23E-05	6.47E-05
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
							MT/year			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	9	25	15	261	0.00603648	5.7943E-06	4.7877E-06	7.61E-03
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	2	25	15	261	0.00134144	1.2876E-06	1.0639E-06	1.69E-03
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	25	25	15	261	0.016768	1.6095E-05	1.3299E-05	2.11E-02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	6	25	15	261	0.00402432	3.8629E-06	3.1918E-06	5.07E-03
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	2	25	15	261	0.00134144	1.2876E-06	1.0639E-06	1.69E-03
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	15	25	15	261	0.0100608	9.6572E-06	7.9795E-06	1.27E-02
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	6	25	15	261	0.00402432	3.8629E-06	3.1918E-06	5.07E-03
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	0	25	15	261	0	0	0	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	7	25	15	261	0.00469504	4.5067E-06	3.7238E-06	5.92E-03
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	6	25	15	261	0.00402432	3.8629E-06	3.1918E-06	5.07E-03
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	4	25	15	261	0.00268288	2.5753E-06	2.1279E-06	3.38E-03
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	9	25	15	261	0.0058004	5.5373E-06	4.6779E-06	7.33E-03
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	2	25	15	261	0.00128898	1.2305E-06	1.0395E-06	1.63E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	25	25	15	261	0.01611223	1.5381E-05	1.2994E-05	2.04E-02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	2	25	15	261	0.00128898	1.2305E-06	1.0395E-06	1.63E-03
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	2	25	15	261	0.00128898	1.2305E-06	1.0395E-06	1.63E-03
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	6	25	15	261	0.00386694	3.6915E-06	3.1186E-06	4.89E-03
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	7	25	15	261	0.00451142	4.3068E-06	3.6384E-06	5.70E-03
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	6	25	15	261	0.00386694	3.6915E-06	3.1186E-06	4.89E-03
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	0	25	15	261	0	0	0	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	4	25	15	261	0.00257796	2.461E-06	2.0791E-06	3.26E-03
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	6	25	15	261	0.00386694	3.6915E-06	3.1186E-06	4.89E-03
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	12	25	15	261	0.00743376	7.0771E-06	6.1025E-06	9.43E-03
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	4.5	25	15	261	0.00278766	2.6539E-06	2.2884E-06	3.54E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	14.5	25	15	261	0.00898246	8.5515E-06	7.3738E-06	1.14E-02
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	8.5	25	15	261	0.00526558	5.013E-06	4.3226E-06	6.68E-03
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	15	25	15	261	0.0092922	8.8464E-06	7.6281E-06	1.18E-02
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	6	25	15	261	0.00371688	3.5386E-06	3.0512E-06	4.71E-03
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	4.5	25	15	261	0.00278766	2.6539E-06	2.2884E-06	3.54E-03
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	15.5	25	15	261	0.00960194	9.1413E-06	7.8824E-06	1.22E-02
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	0	25	15	261	0	0	0	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	5	25	15	261	0.0030974	2.9488E-06	2.5427E-06	3.93E-03
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	6	25	15	261	0.00371688	3.5386E-06	3.0512E-06	4.71E-03
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	15	25	15	260	0.00894766	8.511E-06	7.4809E-06	1.14E-02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	7	25	15	260	0.00417557	3.9718E-06	3.4911E-06	5.32E-03
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	4	25	15	260	0.00238604	2.2696E-06	1.9949E-06	3.04E-03
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	15	25	15	260	0.00894766	8.511E-06	7.4809E-06	1.14E-02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	15	25	15	260	0.00894766	8.511E-06	7.4809E-06	1.14E-02
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	6	25	15	260	0.00357906	3.4044E-06	2.9923E-06	4.56E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	2	25	15	260	0.00119302	1.1348E-06	9.9745E-07	1.52E-03
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	0	25	15	260	0	0	0	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	25	25	15	260	0.01491276	1.4185E-05	1.2468E-05	1.90E-02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	0	25	15	260	0	0	0	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	6	25	15	260	0.00357906	3.4044E-06	2.9923E-06	4.56E-03
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	6	25	15	261	0.00347974	3.3124E-06	2.9646E-06	4.45E-03
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	11.5	25	15	261	0.0066695	6.3487E-06	5.6821E-06	8.52E-03
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	14.5	25	15	261	0.00840937	8.0049E-06	7.1644E-06	1.07E-02
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	14.5	25	15	261	0.00840937	8.0049E-06	7.1644E-06	1.07E-02
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	8.5	25	15	261	0.00492963	4.6925E-06	4.1998E-06	6.30E-03
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	15	25	15	261	0.00869935	8.2809E-06	7.4114E-06	1.11E-02
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	6	25	15	261	0.00347974	3.3124E-06	2.9646E-06	4.45E-03
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	4.5	25	15	261	0.0026098	2.4843E-06	2.2234E-06	3.33E-03
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	2	25	15	261	0.00115991	1.1041E-06	9.8819E-07	1.48E-03
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	15.5	25	15	261	0.00898933	8.557E-06	7.6585E-06	1.15E-02
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	0	25	15	261	0	0	0	0.00E+00

							Haul Running Emission Factors												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission Factor (g/mile)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1705	7	25	1.85E-02	2.46E+00	1.99E-01	1.19E-02	3.96E-01	2.03E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	26	0	25	1.85E-02	2.46E+00	1.99E-01	1.19E-02	3.96E-01	2.03E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	25	1.85E-02	2.46E+00	1.99E-01	1.19E-02	3.96E-01	2.03E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	0	0	25	1.85E-02	2.46E+00	1.99E-01	1.19E-02	3.96E-01	2.03E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	7512	29	25	1.85E-02	2.46E+00	1.99E-01	1.19E-02	3.96E-01	2.03E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	2191	8	25	1.85E-02	2.46E+00	1.99E-01	1.19E-02	3.96E-01	2.03E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	5008	19	25	1.85E-02	2.46E+00	1.99E-01	1.19E-02	3.96E-01	2.03E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	25	1.85E-02	2.46E+00	1.99E-01	1.19E-02	3.96E-01	2.03E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	25	1.85E-02	2.46E+00	1.99E-01	1.19E-02	3.96E-01	2.03E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	528	2	25	1.85E-02	2.46E+00	1.99E-01	1.19E-02	3.96E-01	2.03E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.26E+03	8.61E-04	1.99E-01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	624	2	25	1.85E-02	2.46E+00	1.99E-01	1.19E-02	3.96E-01	2.03E-02	4.17E-01	1.09E-01	1.95E-02	1.28E-01	1.26E+03	8.61E-04	1.99E-01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	1705	7	25	1.85E-02	2.46E+00	1.99E-01	1.17E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	52	0	25	1.85E-02	2.46E+00	1.99E-01	1.17E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	6260	24	25	1.85E-02	2.46E+00	1.99E-01	1.17E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	7512	29	25	1.85E-02	2.46E+00	1.99E-01	1.17E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	7512	29	25	1.85E-02	2.46E+00	1.99E-01	1.17E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	5008	19	25	1.85E-02	2.46E+00	1.99E-01	1.17E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	0	0	25	1.85E-02	2.46E+00	1.99E-01	1.17E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	0	0	25	1.85E-02	2.46E+00	1.99E-01	1.17E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	25	1.85E-02	2.46E+00	1.99E-01	1.17E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	624	2	25	1.85E-02	2.46E+00	1.99E-01	1.17E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.24E+03	8.61E-04	1.95E-01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	528	2	25	1.85E-02	2.46E+00	1.99E-01	1.17E-02	3.96E-01	2.03E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.24E+03	8.61E-04	1.95E-01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	2945	11	25	1.85E-02	2.46E+00	1.99E-01	1.15E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	26	0	25	1.85E-02	2.46E+00	1.99E-01	1.15E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	3442	13	25	1.85E-02	2.46E+00	1.99E-01	1.15E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	5848.5	22	25	1.85E-02	2.46E+00	1.99E-01	1.15E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	2191	8	25	1.85E-02	2.46E+00	1.99E-01	1.15E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	2556	10	25	1.85E-02	2.46E+00	1.99E-01	1.15E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	3756	14	25	1.85E-02	2.46E+00	1.99E-01	1.15E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	3130	12	25	1.85E-02	2.46E+00	1.99E-01	1.15E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	25	1.85E-02	2.46E+00	1.99E-01	1.15E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	2816	11	25	1.85E-02	2.46E+00	1.99E-01	1.15E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.22E+03	8.61E-04	1.91E-01
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	264	1	25	1.85E-02	2.46E+00	1.99E-01	1.15E-02	3.96E-01	2.02E-02	4.16E-01	1.09E-01	1.94E-02	1.28E-01	1.22E+03	8.61E-04	1.91E-01
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	4185	16	25	1.85E-02	2.46E+00	1.99E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	0	0	25	1.85E-02	2.46E+00	1.99E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	624	2	25	1.85E-02	2.46E+00	1.99E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	4185	16	25	1.85E-02	2.46E+00	1.99E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	2191	8	25	1.85E-02	2.46E+00	1.99E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	104	0	25	1.85E-02	2.46E+00	1.99E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	7512	29	25	1.85E-02	2.46E+00	1.99E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	25	1.85E-02	2.46E+00	1.99E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	6260	24	25	1.85E-02	2.46E+00	1.99E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	0	0	25	1.85E-02	2.46E+00	1.99E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.19E+03	8.60E-04	1.87E-01
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	5008	19	25	1.85E-02	2.46E+00	1.99E-01	1.12E-02	3.96E-01	2.01E-02	4.16E-01	1.09E-01	1.93E-02	1.28E-01	1.19E+03	8.60E-04	1.87E-01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	0	0	25	1.85E-02	2.46E+00	1.99E-01	1.10E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	2635	10	25	1.85E-02	2.46E+00	1.99E-01	1.10E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	3442	13	25	1.85E-02	2.46E+00	1.99E-01	1.10E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	3442	13	25	1.85E-02	2.46E+00	1.99E-01	1.10E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	5848.5	22	25	1.85E-02	2.46E+00	1.99E-01	1.10E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	2191	8	25	1.85E-02	2.46E+00	1.99E-01	1.10E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	2556	10	25	1.85E-02	2.46E+00	1.99E-01	1.10E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	3756	14	25	1.85E-02	2.46E+00	1.99E-01	1.10E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	1408.5	5	25	1.85E-02	2.46E+00	1.99E-01	1.10E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	3130	12	25	1.85E-02	2.46E+00	1.99E-01	1.10E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.17E+03	8.59E-04	1.83E-01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	0	0	25	1.85E-02	2.46E+00	1.99E-01	1.10E-02	3.96E-01	2.00E-02	4.16E-01	1.09E-01	1.91E-02	1.28E-01	1.17E+03	8.59E-04	1.83E-01

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
							Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1705	7	25	6.67E-03	8.87E-01	7.15E-02	4.30E-03	1.43E-01	7.32E-03	1.50E-01	3.91E-02	7.01E-03	4.61E-02	4.55E+02	3.10E-04	7.15E-02
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	26	0	25	1.02E-04	1.35E-02	1.09E-03	6.56E-05	2.18E-03	1.12E-04	2.29E-03	5.96E-04	1.07E-04	7.03E-04	6.94E+00	4.72E-06	1.09E-03
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	25	2.45E-02	3.26E+00	2.62E-01	1.58E-02	5.24E-01	2.69E-02	5.51E-01	1.43E-01	2.57E-02	1.69E-01	1.67E+03	1.14E-03	2.63E-01
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	7512	29	25	2.94E-02	3.91E+00	3.15E-01	1.89E-02	6.28E-01	3.23E-02	6.61E-01	1.72E-01	3.09E-02	2.03E-01	2.01E+03	1.37E-03	3.15E-01
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	2191	8	25	8.57E-03	1.14E+00	9.19E-02	5.53E-03	1.83E-01	9.41E-03	1.93E-01	5.02E-02	9.00E-03	5.92E-02	5.85E+02	3.98E-04	9.19E-02
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	5008	19	25	1.96E-02	2.61E+00	2.10E-01	1.26E-02	4.19E-01	2.15E-02	4.40E-01	1.15E-01	2.06E-02	1.35E-01	1.34E+03	9.10E-04	2.10E-01
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	528	2	25	2.07E-03	2.75E-01	2.21E-02	1.33E-03	4.42E-02	2.27E-03	4.64E-02	1.21E-02	2.17E-03	1.43E-02	1.41E+02	9.59E-05	2.22E-02
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	624	2	25	2.44E-03	3.25E-01	2.62E-02	1.57E-03	5.22E-02	2.68E-03	5.49E-02	1.43E-02	2.56E-03	1.69E-02	1.67E+02	1.13E-04	2.62E-02
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	1705	7	25	6.68E-03	8.86E-01	7.17E-02	4.22E-03	1.43E-01	7.31E-03	1.50E-01	3.91E-02	6.99E-03	4.61E-02	4.47E+02	3.10E-04	7.02E-02
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	52	0	25	2.04E-04	2.70E-02	2.19E-03	1.29E-04	4.35E-03	2.23E-04	4.57E-03	1.19E-03	2.13E-04	1.41E-03	1.36E+01	9.46E-06	2.14E-03
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	6260	24	25	2.45E-02	3.25E+00	2.63E-01	1.55E-02	5.24E-01	2.68E-02	5.51E-01	1.43E-01	2.57E-02	1.69E-01	1.64E+03	1.14E-03	2.58E-01
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	7512	29	25	2.94E-02	3.91E+00	3.16E-01	1.86E-02	6.28E-01	3.22E-02	6.61E-01	1.72E-01	3.08E-02	2.03E-01	1.97E+03	1.37E-03	3.09E-01
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	7512	29	25	2.94E-02	3.91E+00	3.16E-01	1.86E-02	6.28E-01	3.22E-02	6.61E-01	1.72E-01	3.08E-02	2.03E-01	1.97E+03	1.37E-03	3.09E-01
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	5008	19	25	1.96E-02	2.60E+00	2.10E-01	1.24E-02	4.19E-01	2.15E-02	4.40E-01	1.15E-01	2.05E-02	1.35E-01	1.31E+03	9.11E-04	2.06E-01
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	624	2	25	2.44E-03	3.24E-01	2.62E-02	1.54E-03	5.22E-02	2.67E-03	5.49E-02	1.43E-02	2.56E-03	1.69E-02	1.63E+02	1.13E-04	2.57E-02
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	528	2	25	2.07E-03	2.74E-01	2.22E-02	1.31E-03	4.42E-02	2.26E-03	4.64E-02	1.21E-02	2.17E-03	1.43E-02	1.38E+02	9.60E-05	2.17E-02
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	2945	11	25	1.15E-02	1.53E+00	1.24E-01	7.14E-03	2.46E-01	1.26E-02	2.59E-01	6.75E-02	1.20E-02	7.95E-02	7.56E+02	5.36E-04	1.19E-01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	26	0	25	1.02E-04	1.35E-02	1.09E-03	6.31E-05	2.18E-03	1.11E-04	2.29E-03	5.96E-04	1.06E-04	7.02E-04	6.67E+00	4.73E-06	1.05E-03
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	3442	13	25	1.35E-02	1.79E+00	1.45E-01	8.35E-03	2.88E-01	1.47E-02	3.03E-01	7.89E-02	1.41E-02	9.30E-02	8.84E+02	6.26E-04	1.39E-01
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	5848.5	22	25	2.29E-02	3.04E+00	2.46E-01	1.42E-02	4.89E-01	2.50E-02	5.14E-01	1.34E-01	2.39E-02	1.58E-01	1.50E+03	1.06E-03	2.36E-01
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	2191	8	25	8.58E-03	1.14E+00	9.22E-02	5.31E-03	1.83E-01	9.36E-03	1.93E-01	5.02E-02	8.95E-03	5.92E-02	5.62E+02	3.98E-04	8.84E-02
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	2556	10	25	1.00E-02	1.33E+00	1.08E-01	6.20E-03	2.14E-01	1.09E-02	2.25E-01	5.86E-02	1.04E-02	6.90E-02	6.56E+02	4.65E-04	1.03E-01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	3756	14	25	1.47E-02	1.95E+00	1.58E-01	9.11E-03	3.14E-01	1.60E-02	3.30E-01	8.61E-02	1.53E-02	1.01E-01	9.64E+02	6.83E-04	1.52E-01
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	3130	12	25	1.23E-02	1.63E+00	1.32E-01	7.59E-03	2.62E-01	1.34E-02	2.75E-01	7.17E-02	1.28E-02	8.45E-02	8.03E+02	5.69E-04	1.26E-01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	2816	11	25	1.10E-02	1.46E+00	1.18E-01	6.83E-03	2.36E-01	1.20E-02	2.48E-01	6.45E-02	1.15E-02	7.61E-02	7.23E+02	5.12E-04	1.14E-01
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	264	1	25	1.03E-03	1.37E-01	1.11E-02	6.40E-04	2.21E-02	1.13E-03	2.32E-02	6.05E-03	1.08E-03	7.13E-03	6.78E+01	4.80E-05	1.07E-02
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	4185	16	25	1.64E-02	2.18E+00	1.77E-01	9.98E-03	3.51E-01	1.79E-02	3.69E-01	9.63E-02	1.71E-02	1.13E-01	1.06E+03	7.63E-04	1.66E-01
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	624	2	25	2.45E-03	3.26E-01	2.64E-02	1.49E-03	5.24E-02	2.66E-03	5.51E-02	1.44E-02	2.55E-03	1.69E-02	1.57E+02	1.14E-04	2.48E-02
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	4185	16	25	1.64E-02	2.18E+00	1.77E-01	9.98E-03	3.51E-01	1.79E-02	3.69E-01	9.63E-02	1.71E-02	1.13E-01	1.06E+03	7.63E-04	1.66E-01
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	2191	8	25	8.60E-03	1.14E+00	9.26E-02	5.22E-03	1.84E-01	9.35E-03	1.93E-01	5.04E-02	8.94E-03	5.94E-02	5.53E+02	4.00E-04	8.69E-02
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	104	0	25	4.08E-04	5.43E-02	4.39E-03	2.48E-04	8.73E-03	4.44E-04	9.18E-03	2.39E-03	4.25E-04	2.82E-03	2.62E+01	1.90E-05	4.13E-03
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	7512	29	25	2.95E-02	3.92E+00	3.17E-01	1.79E-02	6.31E-01	3.20E-02	6.63E-01	1.73E-01	3.07E-02	2.04E-01	1.90E+03	1.37E-03	2.98E-01
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	6260	24	25	2.46E-02	3.27E+00	2.65E-01	1.49E-02	5.26E-01	2.67E-02	5.52E-01	1.44E-01	2.56E-02	1.70E-01	1.58E+03	1.14E-03	2.48E-01
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	5008	19	25	1.97E-02	2.61E+00	2.12E-01	1.19E-02	4.21E-01	2.14E-02	4.42E-01	1.15E-01	2.04E-02	1.36E-01	1.26E+03	9.13E-04	1.99E-01
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	2635	10	25	1.03E-02	1.37E+00	1.11E-01	6.13E-03	2.20E-01	1.11E-02	2.32E-01	6.04E-02	1.06E-02	7.10E-02	6.49E+02	4.78E-04	1.02E-01
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	3442	13	25	1.34E-02	1.79E+00	1.45E-01	8.01E-03	2.88E-01	1.45E-02	3.02E-01	7.89E-02	1.39E-02	9.28E-02	8.48E+02	6.24E-04	1.33E-01
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	3442	13	25	1.34E-02	1.79E+00	1.45E-01	8.01E-03	2.88E-01	1.45E-02	3.02E-01	7.89E-02	1.39E-02	9.28E-02	8.48E+02	6.24E-04	1.33E-01
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	5848.5	22	25	2.28E-02	3.04E+00	2.46E-01	1.36E-02	4.89E-01	2.47E-02	5.14E-01	1.34E-01	2.36E-02	1.58E-01	1.44E+03	1.06E-03	2.26E-01
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	2191	8	25	8.55E-03	1.14E+00	9.21E-02	5.10E-03	1.83E-01	9.25E-03	1.93E-01	5.02E-02	8.85E-03	5.91E-02	5.40E+02	3.97E-04	8.48E-02
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	2556	10	25	9.98E-03	1.33E+00	1.08E-01	5.95E-03	2.14E-01	1.08E-02	2.25E-01	5.86E-02	1.03E-02	6.89E-02	6.30E+02	4.63E-04	9.90E-02
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	3756	14	25	1.47E-02	1.95E+00	1.58E-01	8.74E-03	3.14E-01	1.59E-02	3.30E-01	8.61E-02	1.52E-02	1.01E-01	9.25E+02	6.81E-04	1.45E-01
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	1408.5	5	25	5.50E-03	7.32E-01	5.92E-02	3.28E-03	1.18E-01	5.95E-03	1.24E-01	3.23E-02	5.69E-03	3.80E-02	3.47E+02	2.55E-04	5.45E-02
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	3130	12	25	1.22E-02	1.63E+00	1.32E-01	7.28E-03	2.62E-01	1.32E-02	2.75E-01	7.17E-02	1.26E-02	8.44E-02	7.71E+02	5.68E-04	1.21E-01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
								MT/yr			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1705	7	25	261	5.39E+01	3.67E-05	8.47E-03	5.64E+01
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	26	0	25	261	8.22E-01	5.59E-07	1.29E-04	8.60E-01
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	25	261	1.98E+02	1.35E-04	3.11E-02	2.07E+02
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	7512	29	25	261	2.37E+02	1.62E-04	3.73E-02	2.49E+02
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	2191	8	25	261	6.92E+01	4.71E-05	1.09E-02	7.25E+01
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	5008	19	25	261	1.58E+02	1.08E-04	2.49E-02	1.66E+02
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	528	2	25	261	1.67E+01	1.14E-05	2.62E-03	1.75E+01
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	624	2	25	261	1.97E+01	1.34E-05	3.10E-03	2.06E+01
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	1705	7	25	261	5.29E+01	3.67E-05	8.31E-03	5.54E+01
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	52	0	25	261	1.61E+00	1.12E-06	2.53E-04	1.69E+00
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	6260	24	25	261	1.94E+02	1.35E-04	3.05E-02	2.03E+02
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	7512	29	25	261	2.33E+02	1.62E-04	3.66E-02	2.44E+02
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	7512	29	25	261	2.33E+02	1.62E-04	3.66E-02	2.44E+02
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	5008	19	25	261	1.55E+02	1.08E-04	2.44E-02	1.63E+02
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	624	2	25	261	1.94E+01	1.34E-05	3.04E-03	2.03E+01
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	528	2	25	261	1.64E+01	1.14E-05	2.57E-03	1.71E+01
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	2945	11	25	261	8.95E+01	6.34E-05	1.41E-02	9.37E+01
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	26	0	25	261	7.90E-01	5.60E-07	1.24E-04	8.27E-01
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	3442	13	25	261	1.05E+02	7.41E-05	1.64E-02	1.09E+02
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	5848.5	22	25	261	1.78E+02	1.26E-04	2.79E-02	1.86E+02
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	2191	8	25	261	6.66E+01	4.72E-05	1.05E-02	6.97E+01
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	2556	10	25	261	7.77E+01	5.50E-05	1.22E-02	8.13E+01
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	3756	14	25	261	1.14E+02	8.09E-05	1.79E-02	1.19E+02
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	3130	12	25	261	9.51E+01	6.74E-05	1.50E-02	9.96E+01
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	2816	11	25	261	8.56E+01	6.06E-05	1.35E-02	8.96E+01
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	264	1	25	261	8.02E+00	5.68E-06	1.26E-03	8.40E+00
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	4185	16	25	260	1.25E+02	9.00E-05	1.96E-02	1.30E+02
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	624	2	25	260	1.86E+01	1.34E-05	2.92E-03	1.94E+01
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	4185	16	25	260	1.25E+02	9.00E-05	1.96E-02	1.30E+02
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	2191	8	25	260	6.52E+01	4.71E-05	1.03E-02	6.83E+01
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	104	0	25	260	3.10E+00	2.24E-06	4.87E-04	3.24E+00
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	7512	29	25	260	2.24E+02	1.62E-04	3.51E-02	2.34E+02
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	6260	24	25	260	1.86E+02	1.35E-04	2.93E-02	1.95E+02
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	5008	19	25	260	1.49E+02	1.08E-04	2.34E-02	1.56E+02
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	2635	10	25	261	7.68E+01	5.66E-05	1.21E-02	8.04E+01
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	3442	13	25	261	1.00E+02	7.39E-05	1.58E-02	1.05E+02
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	3442	13	25	261	1.00E+02	7.39E-05	1.58E-02	1.05E+02
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	5848.5	22	25	261	1.71E+02	1.26E-04	2.68E-02	1.79E+02
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	2191	8	25	261	6.39E+01	4.70E-05	1.00E-02	6.69E+01
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	2556	10	25	261	7.45E+01	5.49E-05	1.17E-02	7.80E+01
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	3756	14	25	261	1.10E+02	8.06E-05	1.72E-02	1.15E+02
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	1408.5	5	25	261	4.11E+01	3.02E-05	6.46E-03	4.30E+01
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	3130	12	25	261	9.13E+01	6.72E-05	1.43E-02	9.55E+01
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00

							Haul Running Emission Factors												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission Factor (g/trip)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1705	7	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	26	0	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	0	0	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	7512	29	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	2191	8	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	5008	19	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	528	2	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	624	2	25	7.37E-04	2.38E+00	6.49E-03	5.44E-07	0.00E+00	7.80E-07	7.80E-07	0.00E+00	7.17E-07	7.17E-07	5.50E-02	3.77E-07	1.07E-05
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	1705	7	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	52	0	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	6260	24	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	7512	29	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	7512	29	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	5008	19	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	0	0	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	0	0	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	624	2	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	528	2	25	5.94E-04	2.38E+00	6.13E-03	5.17E-07	0.00E+00	6.61E-07	6.61E-07	0.00E+00	6.07E-07	6.07E-07	5.22E-02	3.75E-07	6.85E-06
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	2945	11	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	26	0	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	3442	13	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	5848.5	22	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	2191	8	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	2556	10	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	3756	14	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	3130	12	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	2816	11	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	264	1	25	5.21E-04	2.38E+00	6.18E-03	5.10E-07	0.00E+00	6.13E-07	6.13E-07	0.00E+00	5.64E-07	5.64E-07	5.15E-02	3.72E-07	5.78E-06
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	4185	16	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	0	0	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	624	2	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	4185	16	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	2191	8	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	104	0	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	7512	29	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	6260	24	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	0	0	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	5008	19	25	4.76E-04	2.38E+00	6.17E-03	5.08E-07	0.00E+00	5.98E-07	5.98E-07	0.00E+00	5.50E-07	5.50E-07	5.14E-02	3.70E-07	4.83E-06
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	0	0	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	2635	10	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	3442	13	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	3442	13	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	5848.5	22	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	2191	8	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	2556	10	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	3756	14	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	1408.5	5	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	3130	12	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	0	0	25	4.26E-04	2.38E+00	6.15E-03	5.06E-07	0.00E+00	5.68E-07	5.68E-07	0.00E+00	5.22E-07	5.22E-07	5.11E-02	3.69E-07	4.07E-06

							Daily Emissions												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1705	7	25	5.30E-06	1.72E-02	4.68E-05	3.92E-09	0.00E+00	5.61E-09	5.61E-09	0.00E+00	5.16E-09	5.16E-09	3.96E-04	2.71E-09	7.71E-08
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	26	0	25	8.09E-08	2.62E-04	7.13E-07	5.97E-11	0.00E+00	8.56E-11	8.56E-11	0.00E+00	7.87E-11	7.87E-11	6.04E-06	4.14E-11	1.18E-09
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	25	1.95E-05	6.30E-02	1.72E-04	1.44E-08	0.00E+00	2.06E-08	2.06E-08	0.00E+00	1.90E-08	1.90E-08	1.45E-03	9.97E-09	2.83E-07
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	7512	29	25	2.34E-05	7.56E-02	2.06E-04	1.73E-08	0.00E+00	2.47E-08	2.47E-08	0.00E+00	2.27E-08	2.27E-08	1.74E-03	1.20E-08	3.40E-07
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	2191	8	25	6.82E-06	2.21E-02	6.01E-05	5.03E-09	0.00E+00	7.21E-09	7.21E-09	0.00E+00	6.63E-09	6.63E-09	5.09E-04	3.49E-09	9.91E-08
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	5008	19	25	1.56E-05	5.04E-02	1.37E-04	1.15E-08	0.00E+00	1.65E-08	1.65E-08	0.00E+00	1.52E-08	1.52E-08	1.16E-03	7.97E-09	2.27E-07
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	528	2	25	1.64E-06	5.32E-03	1.45E-05	1.21E-09	0.00E+00	1.74E-09	1.74E-09	0.00E+00	1.60E-09	1.60E-09	1.23E-04	8.41E-10	2.39E-08
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	624	2	25	1.94E-06	6.28E-03	1.71E-05	1.43E-09	0.00E+00	2.05E-09	2.05E-09	0.00E+00	1.89E-09	1.89E-09	1.45E-04	9.93E-10	2.82E-08
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	1705	7	25	4.28E-06	1.72E-02	4.41E-05	3.72E-09	0.00E+00	4.76E-09	4.76E-09	0.00E+00	4.37E-09	4.37E-09	3.76E-04	2.70E-09	4.93E-08
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	52	0	25	1.30E-07	5.23E-04	1.35E-06	1.14E-10	0.00E+00	1.45E-10	1.45E-10	0.00E+00	1.33E-10	1.33E-10	1.15E-05	8.23E-11	1.50E-09
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	6260	24	25	1.57E-05	6.30E-02	1.62E-04	1.37E-08	0.00E+00	1.75E-08	1.75E-08	0.00E+00	1.61E-08	1.61E-08	1.38E-03	9.91E-09	1.81E-07
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	7512	29	25	1.88E-05	7.56E-02	1.94E-04	1.64E-08	0.00E+00	2.10E-08	2.10E-08	0.00E+00	1.93E-08	1.93E-08	1.66E-03	1.19E-08	2.17E-07
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	7512	29	25	1.88E-05	7.56E-02	1.94E-04	1.64E-08	0.00E+00	2.10E-08	2.10E-08	0.00E+00	1.93E-08	1.93E-08	1.66E-03	1.19E-08	2.17E-07
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	5008	19	25	1.26E-05	5.04E-02	1.30E-04	1.09E-08	0.00E+00	1.40E-08	1.40E-08	0.00E+00	1.28E-08	1.28E-08	1.11E-03	7.93E-09	1.45E-07
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	624	2	25	1.57E-06	6.28E-03	1.61E-05	1.36E-09	0.00E+00	1.74E-09	1.74E-09	0.00E+00	1.60E-09	1.60E-09	1.38E-04	9.88E-10	1.80E-08
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	528	2	25	1.32E-06	5.31E-03	1.37E-05	1.15E-09	0.00E+00	1.47E-09	1.47E-09	0.00E+00	1.35E-09	1.35E-09	1.17E-04	8.36E-10	1.53E-08
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	2945	11	25	6.48E-06	2.96E-02	7.68E-05	6.34E-09	0.00E+00	7.63E-09	7.63E-09	0.00E+00	7.02E-09	7.02E-09	6.41E-04	4.62E-09	7.19E-08
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	26	0	25	5.72E-08	2.62E-04	6.78E-07	5.60E-11	0.00E+00	6.74E-11	6.74E-11	0.00E+00	6.19E-11	6.19E-11	5.66E-06	4.08E-11	6.35E-10
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	3442	13	25	7.57E-06	3.46E-02	8.98E-05	7.41E-09	0.00E+00	8.92E-09	8.92E-09	0.00E+00	8.20E-09	8.20E-09	7.49E-04	5.40E-09	8.40E-08
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	5848.5	22	25	1.29E-05	5.89E-02	1.53E-04	1.26E-08	0.00E+00	1.52E-08	1.52E-08	0.00E+00	1.39E-08	1.39E-08	1.27E-03	9.18E-09	1.43E-07
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	2191	8	25	4.82E-06	2.20E-02	5.71E-05	4.72E-09	0.00E+00	5.68E-09	5.68E-09	0.00E+00	5.22E-09	5.22E-09	4.77E-04	3.44E-09	5.35E-08
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	2556	10	25	5.62E-06	2.57E-02	6.67E-05	5.50E-09	0.00E+00	6.62E-09	6.62E-09	0.00E+00	6.09E-09	6.09E-09	5.56E-04	4.01E-09	6.24E-08
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	3756	14	25	8.26E-06	3.78E-02	9.80E-05	8.09E-09	0.00E+00	9.73E-09	9.73E-09	0.00E+00	8.95E-09	8.95E-09	8.17E-04	5.89E-09	9.17E-08
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	3130	12	25	6.89E-06	3.15E-02	8.16E-05	6.74E-09	0.00E+00	8.11E-09	8.11E-09	0.00E+00	7.46E-09	7.46E-09	6.81E-04	4.91E-09	7.64E-08
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	2816	11	25	6.20E-06	2.83E-02	7.35E-05	6.06E-09	0.00E+00	7.30E-09	7.30E-09	0.00E+00	6.71E-09	6.71E-09	6.13E-04	4.42E-09	6.88E-08
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	264	1	25	5.81E-07	2.66E-03	6.89E-06	5.69E-10	0.00E+00	6.84E-10	6.84E-10	0.00E+00	6.29E-10	6.29E-10	5.75E-05	4.14E-10	6.45E-09
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	4185	16	25	8.45E-06	4.23E-02	1.09E-04	9.02E-09	0.00E+00	1.06E-08	1.06E-08	0.00E+00	9.75E-09	9.75E-09	9.11E-04	6.57E-09	8.57E-08
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	624	2	25	1.26E-06	6.30E-03	1.63E-05	1.34E-09	0.00E+00	1.58E-09	1.58E-09	0.00E+00	1.45E-09	1.45E-09	1.36E-04	9.80E-10	1.28E-08
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	4185	16	25	8.45E-06	4.23E-02	1.09E-04	9.02E-09	0.00E+00	1.06E-08	1.06E-08	0.00E+00	9.75E-09	9.75E-09	9.11E-04	6.57E-09	8.57E-08
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	2191	8	25	4.42E-06	2.21E-02	5.73E-05	4.72E-09	0.00E+00	5.55E-09	5.55E-09	0.00E+00	5.10E-09	5.10E-09	4.77E-04	3.44E-09	4.49E-08
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	104	0	25	2.10E-07	1.05E-03	2.72E-06	2.24E-10	0.00E+00	2.64E-10	2.64E-10	0.00E+00	2.42E-10	2.42E-10	2.27E-05	1.63E-10	2.13E-09
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	7512	29	25	1.52E-05	7.59E-02	1.96E-04	1.62E-08	0.00E+00	1.90E-08	1.90E-08	0.00E+00	1.75E-08	1.75E-08	1.64E-03	1.18E-08	1.54E-07
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	6260	24	25	1.26E-05	6.32E-02	1.64E-04	1.35E-08	0.00E+00	1.59E-08	1.59E-08	0.00E+00	1.46E-08	1.46E-08	1.36E-03	9.83E-09	1.28E-07
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	5008	19	25	1.01E-05	5.06E-02	1.31E-04	1.08E-08	0.00E+00	1.27E-08	1.27E-08	0.00E+00	1.17E-08	1.17E-08	1.09E-03	7.86E-09	1.03E-07
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	2635	10	25	4.74E-06	2.65E-02	6.84E-05	5.63E-09	0.00E+00	6.32E-09	6.32E-09	0.00E+00	5.81E-09	5.81E-09	5.69E-04	4.11E-09	4.53E-08
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	3442	13	25	6.19E-06	3.47E-02	8.94E-05	7.35E-09	0.00E+00	8.25E-09	8.25E-09	0.00E+00	7.59E-09	7.59E-09	7.43E-04	5.36E-09	5.92E-08
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	3442	13	25	6.19E-06	3.47E-02	8.94E-05	7.35E-09	0.00E+00	8.25E-09	8.25E-09	0.00E+00	7.59E-09	7.59E-09	7.43E-04	5.36E-09	5.92E-08
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	5848.5	22	25	1.05E-05	5.89E-02	1.52E-04	1.25E-08	0.00E+00	1.40E-08	1.40E-08	0.00E+00	1.29E-08	1.29E-08	1.26E-03	9.11E-09	1.01E-07
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	2191	8	25	3.94E-06	2.21E-02	5.69E-05	4.68E-09	0.00E+00	5.25E-09	5.25E-09	0.00E+00	4.83E-09	4.83E-09	4.73E-04	3.41E-09	3.77E-08
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	2556	10	25	4.60E-06	2.57E-02	6.64E-05	5.46E-09	0.00E+00	6.13E-09	6.13E-09	0.00E+00	5.63E-09	5.63E-09	5.52E-04	3.98E-09	4.40E-08
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	3756	14	25	6.75E-06	3.78E-02	9.75E-05	8.02E-09	0.00E+00	9.00E-09	9.00E-09	0.00E+00	8.28E-09	8.28E-09	8.11E-04	5.85E-09	6.46E-08
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	1408.5	5	25	2.53E-06	1.42E-02	3.66E-05	3.01E-09	0.00E+00	3.38E-09	3.38E-09	0.00E+00	3.10E-09	3.10E-09	3.04E-04	2.19E-09	2.42E-08
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	3130	12	25	5.63E-06	3.15E-02	8.13E-05	6.69E-09	0.00E+00	7.50E-09	7.50E-09	0.00E+00	6.90E-09	6.90E-09	6.76E-04	4.88E-09	5.39E-08
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
								MT/yr			
Plots 5 and 10 (2025) Mass Excavation	3.2 Plots 5 and 10 (2025) Mass Excavation - 2025	2025	261	1705	7	25	261	4.69E-05	3.21E-10	9.13E-09	4.96E-05
Plots 5 and 10 (2025) Finish Grading	3.3 Plots 5 and 10 (2025) Finish Grading - 2025	2025	261	26	0	25	261	7.15E-07	4.90E-12	1.39E-10	7.56E-07
Plots 5 and 10 (2025) Utilities	3.4 Plots 5 and 10 (2025) Utilities - 2025	2025	261	6260	24	25	261	1.72E-04	1.18E-09	3.35E-08	1.82E-04
Plots 5 and 10 (2025) Building-Concrete	3.5 Plots 5 and 10 (2025) Building-Concrete - 2025	2025	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Building-Wet Utilities	3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025	2025	261	7512	29	25	261	2.06E-04	1.42E-09	4.02E-08	2.18E-04
Plots 5 and 10 (2025) Building-Electrical	3.7 Plots 5 and 10 (2025) Building-Electrical - 2025	2025	261	2191	8	25	261	6.02E-05	4.13E-10	1.17E-08	6.37E-05
Plots 5 and 10 (2025) Building-Landscaping	3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025	2025	261	5008	19	25	261	1.38E-04	9.44E-10	2.68E-08	1.46E-04
Plots 5 and 10 (2025) Landscaping	3.9 Plots 5 and 10 (2025) Landscaping - 2025	2025	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Temporary Utilities	3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025	2025	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 5 and 10 (2025) Curbing/Drive Approaches	3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025	2025	261	528	2	25	261	1.45E-05	9.95E-11	2.83E-09	1.54E-05
Plots 5 and 10 (2025) Paving	3.12 Plots 5 and 10 (2025) Paving - 2025	2025	261	624	2	25	261	1.71E-05	1.18E-10	3.34E-09	1.81E-05
Plots 10 and 8 (2026) Mass Excavation	3.13 Plots 10 and 8 (2026) Mass Excavation - 2026	2026	261	1705	7	25	261	4.45E-05	3.19E-10	5.84E-09	4.63E-05
Plots 10 and 8 (2026) Finish Grading	3.14 Plots 10 and 8 (2026) Finish Grading - 2026	2026	261	52	0	25	261	1.36E-06	9.74E-12	1.78E-10	1.41E-06
Plots 10 and 8 (2026) Utilities	3.15 Plots 10 and 8 (2026) Utilities - 2026	2026	261	6260	24	25	261	1.64E-04	1.17E-09	2.14E-08	1.70E-04
Plots 10 and 8 (2026) Building-Concrete	3.16 Plots 10 and 8 (2026) Building-Concrete - 2026	2026	261	7512	29	25	261	1.96E-04	1.41E-09	2.57E-08	2.04E-04
Plots 10 and 8 (2026) Building-Wet Utilities	3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026	2026	261	7512	29	25	261	1.96E-04	1.41E-09	2.57E-08	2.04E-04
Plots 10 and 8 (2026) Building-Electrical	3.18 Plots 10 and 8 (2026) Building-Electrical - 2026	2026	261	5008	19	25	261	1.31E-04	9.38E-10	1.71E-08	1.36E-04
Plots 10 and 8 (2026) Building-Landscaping	3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026	2026	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Landscaping	3.20 Plots 10 and 8 (2026) Landscaping - 2026	2026	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Temporary Utilities	3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026	2026	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 10 and 8 (2026) Curbing/Drive Approaches	3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026	2026	261	624	2	25	261	1.63E-05	1.17E-10	2.14E-09	1.69E-05
Plots 10 and 8 (2026) Paving	3.23 Plots 10 and 8 (2026) Paving - 2026	2026	261	528	2	25	261	1.38E-05	9.89E-11	1.81E-09	1.43E-05
Plot 8 (2027) Mass Excavation	3.24 Plot 8 (2027) Mass Excavation - 2027	2027	261	2945	11	25	261	7.59E-05	5.47E-10	8.51E-09	7.84E-05
Plot 8 (2027) Finish Grading	3.25 Plot 8 (2027) Finish Grading - 2027	2027	261	26	0	25	261	6.70E-07	4.83E-12	7.52E-11	6.92E-07
Plot 8 (2027) Utilities	3.26 Plot 8 (2027) Utilities - 2027	2027	261	3442	13	25	261	8.87E-05	6.39E-10	9.95E-09	9.17E-05
Plot 8 (2027) Building-Concrete	3.27 Plot 8 (2027) Building-Concrete - 2027	2027	261	5848.5	22	25	261	1.51E-04	1.09E-09	1.69E-08	1.56E-04
Plot 8 (2027) Building-Wet Utilities	3.28 Plot 8 (2027) Building-Wet Utilities - 2027	2027	261	2191	8	25	261	5.64E-05	4.07E-10	6.33E-09	5.83E-05
Plot 8 (2027) Building-Electrical	3.29 Plot 8 (2027) Building-Electrical - 2027	2027	261	2556	10	25	261	6.59E-05	4.75E-10	7.39E-09	6.81E-05
Plot 8 (2027) Building-Landscaping	3.30 Plot 8 (2027) Building-Landscaping - 2027	2027	261	3756	14	25	261	9.68E-05	6.98E-10	1.09E-08	1.00E-04
Plot 8 (2027) Landscaping	3.31 Plot 8 (2027) Landscaping - 2027	2027	261	3130	12	25	261	8.06E-05	5.81E-10	9.05E-09	8.34E-05
Plot 8 (2027) Temporary Utilities	3.32 Plot 8 (2027) Temporary Utilities - 2027	2027	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 8 (2027) Curbing/Drive Approaches	3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027	2027	261	2816	11	25	261	7.26E-05	5.23E-10	8.14E-09	7.50E-05
Plot 8 (2027) Paving	3.34 Plot 8 (2027) Paving - 2027	2027	261	264	1	25	261	6.80E-06	4.90E-11	7.63E-10	7.03E-06
Plots 11 and 6,7 (2028) Mass Excavation	3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028	2028	260	4185	16	25	260	1.07E-04	7.75E-10	1.01E-08	1.11E-04
Plots 11 and 6,7 (2028) Finish Grading	3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028	2028	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Utilities	3.37 Plots 11 and 6,7 (2028) Utilities - 2028	2028	260	624	2	25	260	1.60E-05	1.16E-10	1.51E-09	1.65E-05
Plots 11 and 6,7 (2028) Building-Concrete	3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028	2028	260	4185	16	25	260	1.07E-04	7.75E-10	1.01E-08	1.11E-04
Plots 11 and 6,7 (2028) Building-Wet Utilities	3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028	2028	260	2191	8	25	260	5.63E-05	4.06E-10	5.29E-09	5.79E-05
Plots 11 and 6,7 (2028) Building-Electrical	3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028	2028	260	104	0	25	260	2.67E-06	1.93E-11	2.51E-10	2.75E-06
Plots 11 and 6,7 (2028) Building-Landscaping	3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028	2028	260	7512	29	25	260	1.93E-04	1.39E-09	1.81E-08	1.98E-04
Plots 11 and 6,7 (2028) Landscaping	3.42 Plots 11 and 6,7 (2028) Landscaping - 2028	2028	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Temporary Utilities	3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028	2028	260	6260	24	25	260	1.61E-04	1.16E-09	1.51E-08	1.65E-04
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028	2028	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 6,7 (2028) Paving	3.45 Plots 11 and 6,7 (2028) Paving - 2028	2028	260	5008	19	25	260	1.29E-04	9.27E-10	1.21E-08	1.32E-04
Plot 11 (2029) Mass Excavation	3.46 Plot 11 (2029) Mass Excavation - 2029	2029	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2029) Finish Grading	3.47 Plot 11 (2029) Finish Grading - 2029	2029	261	2635	10	25	261	6.73E-05	4.86E-10	5.37E-09	6.89E-05
Plot 11 (2029) Utilities	3.48 Plot 11 (2029) Utilities - 2029	2029	261	3442	13	25	261	8.79E-05	6.35E-10	7.01E-09	9.01E-05
Plot 11 (2029) Building-Concrete	3.49 Plot 11 (2029) Building-Concrete - 2029	2029	261	3442	13	25	261	8.79E-05	6.35E-10	7.01E-09	9.01E-05
Plot 11 (2029) Building-Wet Utilities	3.50 Plot 11 (2029) Building-Wet Utilities - 2029	2029	261	5848.5	22	25	261	1.49E-04	1.08E-09	1.19E-08	1.53E-04
Plot 11 (2029) Building-Electrical	3.51 Plot 11 (2029) Building-Electrical - 2029	2029	261	2191	8	25	261	5.60E-05	4.04E-10	4.46E-09	5.73E-05
Plot 11 (2029) Building-Landscaping	3.52 Plot 11 (2029) Building-Landscaping - 2029	2029	261	2556	10	25	261	6.53E-05	4.72E-10	5.21E-09	6.69E-05
Plot 11 (2029) Landscaping	3.53 Plot 11 (2029) Landscaping - 2029	2029	261	3756	14	25	261	9.60E-05	6.93E-10	7.65E-09	9.83E-05
Plot 11 (2029) Temporary Utilities	3.54 Plot 11 (2029) Temporary Utilities - 2029	2029	261	1408.5	5	25	261	3.60E-05	2.60E-10	2.87E-09	3.69E-05
Plot 11 (2029) Curbing/Drive Approaches	3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029	2029	261	3130	12	25	261	8.00E-05	5.77E-10	6.38E-09	8.19E-05
Plot 11 (2029) Paving	3.56 Plot 11 (2029) Paving - 2029	2029	261	0	0	25	261	0.00E+00	0.00E+00	0.00E+00	0.00E+00

World Logistics Center-Construction Plots 5,10,8,6,7, and 11 (2025-2029)-Mitigated

South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	40,600.00	1000sqft	2,419.90	40,600,000.00	0
Parking Lot	123.60	Acre	123.60	5,384,016.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Construction Assumptions

Construction Phase - Project schedule

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	147.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	36.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	290.00
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2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2025	7.4809	66.0972	72.8983	0.1634	11.0224	2.6488	13.6712	5.5293	2.4405	7.9698	0.0000	14,328.9497	14,328.9497	4.5730	0.0000	14,443.2737
2026	5.6759	50.6430	50.4023	0.1179	7.2944	2.0095	9.3039	3.3911	1.8508	5.2419	0.0000	10,342.0269	10,342.0269	3.3124	0.0000	10,424.8359
2027	5.4278	48.8695	47.6622	0.1087	4.7302	1.9393	6.6696	2.2464	1.7862	4.0326	0.0000	9,531.2647	9,531.2647	3.0501	0.0000	9,607.5182
2028	5.5793	50.3231	49.3097	0.1111	6.3857	2.0064	8.3921	2.4185	1.8477	4.2662	0.0000	9,748.9258	9,748.9258	3.1225	0.0000	9,826.9874
2029	5.3240	47.9793	47.3225	0.1059	7.1327	1.9097	9.0424	2.5058	1.7588	4.2646	0.0000	9,292.0972	9,292.0972	2.9746	0.0000	9,366.4621
Maximum	**7.4809**	**66.0972**	**72.8983**	**0.1634**	**11.0224**	**2.6488**	**13.6712**	**5.5293**	**2.4405**	**7.9698**	**0.0000**	**14,328.9497**	**14,328.9497**	**4.5730**	**0.0000**	**14,443.2737**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2025	2.5956	13.4654	90.4968	0.1634	4.2988	0.3228	4.6215	2.1564	0.3185	2.4749	0.0000	14,328.9326	14,328.9326	4.5730	0.0000	14,443.2565
2026	1.9433	9.0756	62.6119	0.1179	2.8448	0.2296	3.0744	1.3225	0.2268	1.5493	0.0000	10,342.0146	10,342.0146	3.3124	0.0000	10,424.8235
2027	1.8258	8.4368	57.9322	0.1087	1.8448	0.2144	2.0592	0.8761	0.2116	1.0877	0.0000	9,531.2533	9,531.2533	3.0501	0.0000	9,607.5068
2028	1.8495	8.6411	59.3765	0.1111	2.4904	0.2159	2.7063	0.9432	0.2131	1.1563	0.0000	9,748.9142	9,748.9142	3.1225	0.0000	9,826.9757
2029	1.7864	8.3756	57.0195	0.1059	2.7817	0.2075	2.9892	0.9773	0.2047	1.1820	0.0000	9,292.0861	9,292.0861	2.9746	0.0000	9,366.4509
Maximum	**2.5956**	**13.4654**	**90.4968**	**0.1634**	**4.2988**	**0.3228**	**4.6215**	**2.1564**	**0.3185**	**2.4749**	**0.0000**	**14,328.9326**	**14,328.9326**	**4.5730**	**0.0000**	**14,443.2565**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	66.09	81.81	-22.36	0.00	61.00	88.68	67.18	61.00	87.87	71.10	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
21	1-1-2025	3-31-2025	18.1227	3.9559
22	4-1-2025	6-30-2025	18.3241	3.9999
23	7-1-2025	9-30-2025	18.5254	4.0438
24	10-1-2025	12-31-2025	18.5254	4.0438
25	1-1-2026	3-31-2026	13.8716	2.7140
26	4-1-2026	6-30-2026	14.0258	2.7442
27	7-1-2026	9-30-2026	14.1799	2.7743
28	10-1-2026	12-31-2026	14.1799	2.7743
29	1-1-2027	3-31-2027	13.3737	2.5277
30	4-1-2027	6-30-2027	13.5223	2.5558
31	7-1-2027	9-30-2027	13.6709	2.5839
32	10-1-2027	12-31-2027	13.6709	2.5839
33	1-1-2028	3-31-2028	13.9756	2.6227
34	4-1-2028	6-30-2028	13.9756	2.6227
35	7-1-2028	9-30-2028	14.1292	2.6515
36	10-1-2028	12-31-2028	14.1292	2.6515
37	1-1-2029	3-31-2029	13.1289	2.5030
38	4-1-2029	6-30-2029	13.2748	2.5308
39	7-1-2029	9-30-2029	13.4207	2.5586
		Highest	18.5254	4.0438

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Area	165.9964	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758
Energy	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	35,527.5807	35,527.5807	1.3695	0.3465	35,665.0832
Waste						0.0000	0.0000		0.0000	0.0000	7,746.9471	0.0000	7,746.9471	457.8315	0.0000	19,192.7336
Water						0.0000	0.0000		0.0000	0.0000	2,978.6172	38,951.7603	41,930.3775	307.5407	7.5564	51,870.7141
Total	**166.4408**	**4.0447**	**3.9101**	**0.0243**		**0.3089**	**0.3089**		**0.3089**	**0.3089**	**10,725.5643**	**74,480.3517**	**85,205.9160**	**766.7442**	**7.9030**	**106,729.6066**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	165.9964	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758
Energy	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	35,527.5807	35,527.5807	1.3695	0.3465	35,665.0832
Waste						0.0000	0.0000		0.0000	0.0000	7,746.9471	0.0000	7,746.9471	457.8315	0.0000	19,192.7336
Water						0.0000	0.0000		0.0000	0.0000	2,978.6172	38,951.7603	41,930.3775	307.5407	7.5564	51,870.7141
Total	**166.4408**	**4.0447**	**3.9101**	**0.0243**		**0.3089**	**0.3089**		**0.3089**	**0.3089**	**10,725.5643**	**74,480.3517**	**85,205.9160**	**766.7442**	**7.9030**	**106,729.6066**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description

1	Plots 5 and 10 (2025) Mass Excavation	Grading	1/1/2025	12/31/2025	5	261	11
2	Plots 5 and 10 (2025) Finish Grading	Grading	1/1/2025	12/31/2025	5	261	12
3	Plots 5 and 10 (2025) Utilities	Trenching	1/1/2025	12/31/2025	5	261	13
4	Plots 5 and 10 (2025) Building-Concrete	Building Construction	1/1/2025	12/31/2025	5	261	14
5	Plots 5 and 10 (2025) Building-Wet Utilities	Building Construction	1/1/2025	12/31/2025	5	261	15
6	Plots 5 and 10 (2025) Building-Electrical	Building Construction	1/1/2025	12/31/2025	5	261	16
7	Plots 5 and 10 (2025) Building-Landscaping	Building Construction	1/1/2025	12/31/2025	5	261	17
8	Plots 5 and 10 (2025) Landscaping	Building Construction	1/1/2025	12/31/2025	5	261	19
9	Plots 5 and 10 (2025) Temporary Utilities	Building Construction	1/1/2025	12/31/2025	5	261	20
10	Plots 5 and 10 (2025) Curbing/Drive Approaches	Paving	1/1/2025	12/31/2025	5	261	21
11	Plots 5 and 10 (2025) Paving	Paving	1/1/2025	12/31/2025	5	261	22
12	Plots 10 and 8 (2026) Mass Excavation	Grading	1/1/2026	12/31/2026	5	261	23
13	Plots 10 and 8 (2026) Finish Grading	Grading	1/1/2026	12/31/2026	5	261	24
14	Plots 10 and 8 (2026) Utilities	Trenching	1/1/2026	12/31/2026	5	261	25
15	Plots 10 and 8 (2026) Building-Concrete	Building Construction	1/1/2026	12/31/2026	5	261	26
16	Plots 10 and 8 (2026) Building-Wet Utilities	Building Construction	1/1/2026	12/31/2026	5	261	27
17	Plots 10 and 8 (2026) Building-Electrical	Building Construction	1/1/2026	12/31/2026	5	261	28
18	Plots 10 and 8 (2026) Building-Landscaping	Building Construction	1/1/2026	12/31/2026	5	261	29
19	Plots 10 and 8 (2026) Landscaping	Building Construction	1/1/2026	12/31/2026	5	261	30
20	Plots 10 and 8 (2026) Temporary Utilities	Building Construction	1/1/2026	12/31/2026	5	261	31
21	Plots 10 and 8 (2026) Curbing/Drive Approaches	Paving	1/1/2026	12/31/2026	5	261	32
22	Plots 10 and 8 (2026) Paving	Paving	1/1/2026	12/31/2026	5	261	33
23	Plot 8 (2027) Mass Excavation	Grading	1/1/2027	12/31/2027	5	261	34
24	Plot 8 (2027) Finish Grading	Grading	1/1/2027	12/31/2027	5	261	35
25	Plot 8 (2027) Utilities	Trenching	1/1/2027	12/31/2027	5	261	36
26	Plot 8 (2027) Building-Concrete	Building Construction	1/1/2027	12/31/2027	5	261	37
27	Plot 8 (2027) Building-Wet Utilities	Building Construction	1/1/2027	12/31/2027	5	261	38
28	Plot 8 (2027) Building-Electrical	Building Construction	1/1/2027	12/31/2027	5	261	39
29	Plot 8 (2027) Building-Landscaping	Building Construction	1/1/2027	12/31/2027	5	261	40
30	Plot 8 (2027) Landscaping	Building Construction	1/1/2027	12/31/2027	5	261	41
31	Plot 8 (2027) Temporary Utilities	Building Construction	1/1/2027	12/31/2027	5	261	42
32	Plot 8 (2027) Curbing/Drive Approaches	Paving	1/1/2027	12/31/2027	5	261	43

33	Plot 8 (2027) Paving	Paving	1/1/2027	12/31/2027	5	261	44
34	Plots 11 and 6,7 (2028) Mass Excavation	Grading	1/1/2028	12/31/2028	5	260	45
35	Plots 11 and 6,7 (2028) Finish Grading	Grading	1/1/2028	12/31/2028	5	260	46
36	Plots 11 and 6,7 (2028) Utilities	Trenching	1/1/2028	12/31/2028	5	260	47
37	Plots 11 and 6,7 (2028) Building-Concrete	Building Construction	1/1/2028	12/31/2028	5	260	48
38	Plots 11 and 6,7 (2028) Building-Wet Utilities	Building Construction	1/1/2028	12/31/2028	5	260	49
39	Plots 11 and 6,7 (2028) Building-Electrical	Building Construction	1/1/2028	12/31/2028	5	260	50
40	Plots 11 and 6,7 (2028) Building-Landscaping	Building Construction	1/1/2028	12/31/2028	5	260	51
41	Plots 11 and 6,7 (2028) Landscaping	Building Construction	1/1/2028	12/31/2028	5	260	52
42	Plots 11 and 6,7 (2028) Temporary Utilities	Building Construction	1/1/2028	12/31/2028	5	260	53
43	Plots 11 and 6,7 (2028) Curbing/Drive Approaches	Paving	1/1/2028	12/31/2028	5	260	54
44	Plots 11 and 6,7 (2028) Paving	Paving	1/1/2028	12/31/2028	5	260	55
45	Plot 11 (2029) Mass Excavation	Grading	1/1/2029	12/31/2029	5	261	56
46	Plot 11 (2029) Finish Grading	Grading	1/1/2029	12/31/2029	5	261	57
47	Plot 11 (2029) Utilities	Trenching	1/1/2029	12/31/2029	5	261	58
48	Plot 11 (2029) Building-Concrete	Building Construction	1/1/2029	12/31/2029	5	261	59
49	Plot 11 (2029) Building-Wet Utilities	Building Construction	1/1/2029	12/31/2029	5	261	60
50	Plot 11 (2029) Building-Electrical	Building Construction	1/1/2029	12/31/2029	5	261	61
51	Plot 11 (2029) Building-Landscaping	Building Construction	1/1/2029	12/31/2029	5	261	62
52	Plot 11 (2029) Landscaping	Building Construction	1/1/2029	12/31/2029	5	261	63
53	Plot 11 (2029) Temporary Utilities	Building Construction	1/1/2029	12/31/2029	5	261	64
54	Plot 11 (2029) Curbing/Drive Approaches	Paving	1/1/2029	12/31/2029	5	261	65
55	Plot 11 (2029) Paving	Paving	1/1/2029	12/31/2029	5	261	66

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 123.6

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor

Plots 5 and 10 (2025) Mass Excavation	Graders	1	10.00	193	0.41
Plots 5 and 10 (2025) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plots 5 and 10 (2025) Mass Excavation	Other Material Handling Equipment	4	1.00	167	0.40
Plots 5 and 10 (2025) Mass Excavation	Other Material Handling Equipment	4	1.00	167	0.40
Plots 5 and 10 (2025) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 5 and 10 (2025) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 5 and 10 (2025) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 5 and 10 (2025) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 5 and 10 (2025) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plots 5 and 10 (2025) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plots 5 and 10 (2025) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plots 5 and 10 (2025) Mass Excavation	Rubber Tired Dozers	3	10.00	85	0.40
Plots 5 and 10 (2025) Mass Excavation	Scrapers	2	10.00	550	0.48
Plots 5 and 10 (2025) Mass Excavation	Scrapers	7	10.00	550	0.48
Plots 5 and 10 (2025) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 5 and 10 (2025) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 5 and 10 (2025) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 5 and 10 (2025) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plots 5 and 10 (2025) Finish Grading	Rubber Tired Dozers	3	10.00	85	0.40
Plots 5 and 10 (2025) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 5 and 10 (2025) Utilities	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 5 and 10 (2025) Utilities	Excavators	2	10.00	523	0.38
Plots 5 and 10 (2025) Utilities	Excavators	10	10.00	286	0.38
Plots 5 and 10 (2025) Utilities	Excavators	2	10.00	190	0.38
Plots 5 and 10 (2025) Utilities	Excavators	4	10.00	396	0.38
Plots 5 and 10 (2025) Utilities	Excavators	2	10.00	190	0.38
Plots 5 and 10 (2025) Utilities	Excavators	2	10.00	188	0.38
Plots 5 and 10 (2025) Utilities	Excavators	8	10.00	40	0.38
Plots 5 and 10 (2025) Utilities	Forklifts	4	10.00	89	0.20
Plots 5 and 10 (2025) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 5 and 10 (2025) Utilities	Other Material Handling Equipment	18	1.00	167	0.40
Plots 5 and 10 (2025) Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37

Plots 5 and 10 (2025) Utilities	Tractors/Loaders/Backhoes	8	10.00	90	0.37
Plots 5 and 10 (2025) Building-Concrete	Cement and Mortar Mixers	20	1.00	9	0.56
Plots 5 and 10 (2025) Building-Concrete	Other Material Handling Equipment	2	1.00	167	0.40
Plots 5 and 10 (2025) Building-Concrete	Pumps	2	10.00	84	0.74
Plots 5 and 10 (2025) Building-Concrete	Tractors/Loaders/Backhoes	6	10.00	90	0.37
Plots 5 and 10 (2025) Building-Wet Utilities	Excavators	2	10.00	300	0.38
Plots 5 and 10 (2025) Building-Wet Utilities	Excavators	2	10.00	179	0.38
Plots 5 and 10 (2025) Building-Wet Utilities	Excavators	2	10.00	173	0.38
Plots 5 and 10 (2025) Building-Wet Utilities	Other Material Handling Equipment	10	1.00	167	0.40
Plots 5 and 10 (2025) Building-Wet Utilities	Rubber Tired Loaders	6	10.00	152	0.36
Plots 5 and 10 (2025) Building-Wet Utilities	Tractors/Loaders/Backhoes	6	10.00	108	0.37
Plots 5 and 10 (2025) Building-Wet Utilities	Tractors/Loaders/Backhoes	4	10.00	85	0.37
Plots 5 and 10 (2025) Building-Electrical	Cement and Mortar Mixers	8	1.00	9	0.56
Plots 5 and 10 (2025) Building-Electrical	Excavators	6	10.00	40	0.38
Plots 5 and 10 (2025) Building-Electrical	Forklifts	4	10.00	89	0.20
Plots 5 and 10 (2025) Building-Electrical	Other Material Handling Equipment	6	1.00	167	0.40
Plots 5 and 10 (2025) Building-Electrical	Tractors/Loaders/Backhoes	6	10.00	90	0.37
Plots 5 and 10 (2025) Building-Landscaping	Excavators	2	10.00	29	0.38
Plots 5 and 10 (2025) Building-Landscaping	Forklifts	2	10.00	125	0.20
Plots 5 and 10 (2025) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plots 5 and 10 (2025) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plots 5 and 10 (2025) Building-Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 5 and 10 (2025) Building-Landscaping	Skid Steer Loaders	2	10.00	69	0.37
Plots 5 and 10 (2025) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 5 and 10 (2025) Building-Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plots 5 and 10 (2025) Building-Landscaping	Trenchers	2	10.00	39	0.50
Plots 5 and 10 (2025) Landscaping	Excavators	2	10.00	29	0.38
Plots 5 and 10 (2025) Landscaping	Forklifts	2	10.00	125	0.20
Plots 5 and 10 (2025) Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 5 and 10 (2025) Landscaping	Other Material Handling Equipment	10	1.00	167	0.40
Plots 5 and 10 (2025) Landscaping	Rubber Tired Loaders	2	10.00	149	0.36
Plots 5 and 10 (2025) Landscaping	Skid Steer Loaders	2	10.00	69	0.37

Plots 5 and 10 (2025)	Landscaping	Tractors/Loaders/Backhoes	2	10.00	73	0.37
Plots 5 and 10 (2025)	Landscaping	Tractors/Loaders/Backhoes	2	10.00	78	0.37
Plots 5 and 10 (2025)	Landscaping	Trenchers	2	10.00	39	0.50
Plots 5 and 10 (2025)	Temporary Utilities	Cranes	2	10.00	445	0.29
Plots 5 and 10 (2025)	Curbing/Drive Approaches	Cement and Mortar Mixers	6	1.00	9	0.56
Plots 5 and 10 (2025)	Curbing/Drive Approaches	Other Material Handling Equipment	6	1.00	167	0.40
Plots 5 and 10 (2025)	Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plots 5 and 10 (2025)	Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plots 5 and 10 (2025)	Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plots 5 and 10 (2025)	Paving	Other Material Handling Equipment	6	1.00	167	0.40
Plots 5 and 10 (2025)	Paving	Pavers	2	10.00	126	0.42
Plots 5 and 10 (2025)	Paving	Paving Equipment	2	10.00	131	0.36
Plots 5 and 10 (2025)	Paving	Plate Compactors	2	10.00	8	0.43
Plots 5 and 10 (2025)	Paving	Rollers	2	10.00	81	0.38
Plots 5 and 10 (2025)	Paving	Scrapers	2	10.00	362	0.48
Plots 5 and 10 (2025)	Paving	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 10 and 8 (2026)	Mass Excavation	Graders	1	10.00	193	0.41
Plots 10 and 8 (2026)	Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plots 10 and 8 (2026)	Mass Excavation	Other Material Handling Equipment	4	1.00	167	0.40
Plots 10 and 8 (2026)	Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plots 10 and 8 (2026)	Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 10 and 8 (2026)	Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 10 and 8 (2026)	Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 10 and 8 (2026)	Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 10 and 8 (2026)	Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plots 10 and 8 (2026)	Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plots 10 and 8 (2026)	Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plots 10 and 8 (2026)	Mass Excavation	Rubber Tired Dozers	2	10.00	85	0.40
Plots 10 and 8 (2026)	Mass Excavation	Scrapers	2	10.00	550	0.48
Plots 10 and 8 (2026)	Mass Excavation	Scrapers	6	10.00	550	0.48
Plots 10 and 8 (2026)	Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 10 and 8 (2026)	Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40

Plots 10 and 8 (2026) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 10 and 8 (2026) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plots 10 and 8 (2026) Finish Grading	Rubber Tired Dozers	2	10.00	85	0.40
Plots 10 and 8 (2026) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 10 and 8 (2026) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plots 10 and 8 (2026) Utilities	Excavators	1	10.00	523	0.38
Plots 10 and 8 (2026) Utilities	Excavators	10	10.00	286	0.38
Plots 10 and 8 (2026) Utilities	Excavators	1	10.00	190	0.38
Plots 10 and 8 (2026) Utilities	Excavators	2	10.00	396	0.38
Plots 10 and 8 (2026) Utilities	Excavators	1	10.00	190	0.38
Plots 10 and 8 (2026) Utilities	Excavators	1	10.00	188	0.38
Plots 10 and 8 (2026) Utilities	Excavators	4	10.00	40	0.38
Plots 10 and 8 (2026) Utilities	Forklifts	2	10.00	89	0.20
Plots 10 and 8 (2026) Utilities	Other Material Handling Equipment	4	1.00	167	0.40
Plots 10 and 8 (2026) Utilities	Other Material Handling Equipment	10	1.00	167	0.40
Plots 10 and 8 (2026) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 10 and 8 (2026) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 10 and 8 (2026) Building-Concrete	Cement and Mortar Mixers	20	1.00	9	0.56
Plots 10 and 8 (2026) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plots 10 and 8 (2026) Building-Concrete	Pumps	1	10.00	84	0.74
Plots 10 and 8 (2026) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 10 and 8 (2026) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plots 10 and 8 (2026) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plots 10 and 8 (2026) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plots 10 and 8 (2026) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 10 and 8 (2026) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plots 10 and 8 (2026) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plots 10 and 8 (2026) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 10 and 8 (2026) Building-Electrical	Cement and Mortar Mixers	5	1.00	9	0.56
Plots 10 and 8 (2026) Building-Electrical	Excavators	4	10.00	40	0.38
Plots 10 and 8 (2026) Building-Electrical	Forklifts	2	10.00	89	0.20
Plots 10 and 8 (2026) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40

Plots 10 and 8 (2026) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 10 and 8 (2026) Building-Landscaping	Excavators	1	10.00	29	0.38
Plots 10 and 8 (2026) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plots 10 and 8 (2026) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 10 and 8 (2026) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plots 10 and 8 (2026) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 10 and 8 (2026) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 10 and 8 (2026) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 10 and 8 (2026) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 10 and 8 (2026) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plots 10 and 8 (2026) Landscaping	Excavators	1	10.00	29	0.38
Plots 10 and 8 (2026) Landscaping	Forklifts	1	10.00	125	0.20
Plots 10 and 8 (2026) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plots 10 and 8 (2026) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plots 10 and 8 (2026) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 10 and 8 (2026) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 10 and 8 (2026) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 10 and 8 (2026) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 10 and 8 (2026) Landscaping	Trenchers	1	10.00	39	0.50
Plots 10 and 8 (2026) Temporary Utilities	Cranes	1	10.00	445	0.29
Plots 10 and 8 (2026) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plots 10 and 8 (2026) Curbing/Drive Approaches	Other Material Handling Equipment	4	1.00	167	0.40
Plots 10 and 8 (2026) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plots 10 and 8 (2026) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plots 10 and 8 (2026) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plots 10 and 8 (2026) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plots 10 and 8 (2026) Paving	Pavers	1	10.00	126	0.42
Plots 10 and 8 (2026) Paving	Paving Equipment	1	10.00	131	0.36
Plots 10 and 8 (2026) Paving	Plate Compactors	1	10.00	8	0.43
Plots 10 and 8 (2026) Paving	Rollers	1	10.00	81	0.38
Plots 10 and 8 (2026) Paving	Scrapers	1	10.00	362	0.48
Plots 10 and 8 (2026) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37

Plot 8 (2027) Mass Excavation	Graders	1	10.00	193	0.41
Plot 8 (2027) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plot 8 (2027) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plot 8 (2027) Mass Excavation	Other Material Handling Equipment	4	1.00	167	0.40
Plot 8 (2027) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 8 (2027) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 8 (2027) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plot 8 (2027) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plot 8 (2027) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plot 8 (2027) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plot 8 (2027) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plot 8 (2027) Mass Excavation	Rubber Tired Dozers	2	10.00	85	0.40
Plot 8 (2027) Mass Excavation	Scrapers	2	10.00	550	0.48
Plot 8 (2027) Mass Excavation	Scrapers	6	10.00	550	0.48
Plot 8 (2027) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 8 (2027) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 8 (2027) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 8 (2027) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plot 8 (2027) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plot 8 (2027) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 8 (2027) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 8 (2027) Utilities	Excavators	1	10.00	523	0.38
Plot 8 (2027) Utilities	Excavators	5	10.00	286	0.38
Plot 8 (2027) Utilities	Excavators	1	10.00	190	0.38
Plot 8 (2027) Utilities	Excavators	2	10.00	396	0.38
Plot 8 (2027) Utilities	Excavators	1	10.00	190	0.38
Plot 8 (2027) Utilities	Excavators	1	10.00	188	0.38
Plot 8 (2027) Utilities	Excavators	4	10.00	40	0.38
Plot 8 (2027) Utilities	Forklifts	2	10.00	89	0.20
Plot 8 (2027) Utilities	Other Material Handling Equipment	4	1.00	167	0.40
Plot 8 (2027) Utilities	Other Material Handling Equipment	10	1.00	167	0.40
Plot 8 (2027) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37

Plot 8 (2027) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 8 (2027) Building-Concrete	Cement and Mortar Mixers	20	1.00	9	0.56
Plot 8 (2027) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plot 8 (2027) Building-Concrete	Pumps	1	10.00	84	0.74
Plot 8 (2027) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 8 (2027) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plot 8 (2027) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plot 8 (2027) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plot 8 (2027) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 8 (2027) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plot 8 (2027) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plot 8 (2027) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 8 (2027) Building-Electrical	Cement and Mortar Mixers	5	1.00	9	0.56
Plot 8 (2027) Building-Electrical	Excavators	4	10.00	40	0.38
Plot 8 (2027) Building-Electrical	Forklifts	2	10.00	89	0.20
Plot 8 (2027) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plot 8 (2027) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 8 (2027) Building-Landscaping	Excavators	1	10.00	29	0.38
Plot 8 (2027) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plot 8 (2027) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 8 (2027) Building-Landscaping	Other Material Handling Equipment	4	1.00	167	0.40
Plot 8 (2027) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 8 (2027) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 8 (2027) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 8 (2027) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 8 (2027) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plot 8 (2027) Landscaping	Excavators	1	10.00	29	0.38
Plot 8 (2027) Landscaping	Forklifts	1	10.00	125	0.20
Plot 8 (2027) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plot 8 (2027) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plot 8 (2027) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 8 (2027) Landscaping	Skid Steer Loaders	1	10.00	69	0.37

Plot 8 (2027) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 8 (2027) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 8 (2027) Landscaping	Trenchers	1	10.00	39	0.50
Plot 8 (2027) Temporary Utilities	Cranes	1	10.00	445	0.29
Plot 8 (2027) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plot 8 (2027) Curbing/Drive Approaches	Other Material Handling Equipment	2	1.00	167	0.40
Plot 8 (2027) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plot 8 (2027) Paving	Pavers	1	10.00	126	0.42
Plot 8 (2027) Paving	Paving Equipment	1	10.00	131	0.36
Plot 8 (2027) Paving	Plate Compactors	1	10.00	8	0.43
Plot 8 (2027) Paving	Rollers	1	10.00	81	0.38
Plot 8 (2027) Paving	Scrapers	1	10.00	362	0.48
Plot 8 (2027) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37
Plots 11 and 6,7 (2028) Mass Excavation	Graders	1	10.00	193	0.41
Plots 11 and 6,7 (2028) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plots 11 and 6,7 (2028) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Other Material Handling Equipment	4	1.00	167	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 11 and 6,7 (2028) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plots 11 and 6,7 (2028) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Rubber Tired Dozers	2	10.00	305	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Rubber Tired Dozers	1	10.00	85	0.40
Plots 11 and 6,7 (2028) Mass Excavation	Scrapers	2	10.00	550	0.48
Plots 11 and 6,7 (2028) Mass Excavation	Scrapers	6	10.00	550	0.48
Plots 11 and 6,7 (2028) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 11 and 6,7 (2028) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 6,7 (2028) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 6,7 (2028) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plots 11 and 6,7 (2028) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40

Plots 11 and 6,7 (2028) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 11 and 6,7 (2028) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plots 11 and 6,7 (2028) Utilities	Excavators	1	10.00	523	0.38
Plots 11 and 6,7 (2028) Utilities	Excavators	5	10.00	286	0.38
Plots 11 and 6,7 (2028) Utilities	Excavators	1	10.00	190	0.38
Plots 11 and 6,7 (2028) Utilities	Excavators	2	10.00	396	0.38
Plots 11 and 6,7 (2028) Utilities	Excavators	1	10.00	190	0.38
Plots 11 and 6,7 (2028) Utilities	Excavators	1	10.00	188	0.38
Plots 11 and 6,7 (2028) Utilities	Excavators	4	10.00	40	0.38
Plots 11 and 6,7 (2028) Utilities	Forklifts	2	10.00	89	0.20
Plots 11 and 6,7 (2028) Utilities	Other Material Handling Equipment	4	1.00	167	0.40
Plots 11 and 6,7 (2028) Utilities	Other Material Handling Equipment	10	1.00	167	0.40
Plots 11 and 6,7 (2028) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 11 and 6,7 (2028) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 11 and 6,7 (2028) Building-Concrete	Cement and Mortar Mixers	10	1.00	9	0.56
Plots 11 and 6,7 (2028) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 6,7 (2028) Building-Concrete	Pumps	1	10.00	84	0.74
Plots 11 and 6,7 (2028) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 11 and 6,7 (2028) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plots 11 and 6,7 (2028) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plots 11 and 6,7 (2028) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plots 11 and 6,7 (2028) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 11 and 6,7 (2028) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plots 11 and 6,7 (2028) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plots 11 and 6,7 (2028) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 11 and 6,7 (2028) Building-Electrical	Cement and Mortar Mixers	4	1.00	9	0.56
Plots 11 and 6,7 (2028) Building-Electrical	Excavators	4	10.00	40	0.38
Plots 11 and 6,7 (2028) Building-Electrical	Forklifts	2	10.00	89	0.20
Plots 11 and 6,7 (2028) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plots 11 and 6,7 (2028) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 11 and 6,7 (2028) Building-Landscaping	Excavators	1	10.00	29	0.38
Plots 11 and 6,7 (2028) Building-Landscaping	Forklifts	1	10.00	125	0.20

Plots 11 and 6,7 (2028) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 11 and 6,7 (2028) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 11 and 6,7 (2028) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 11 and 6,7 (2028) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 11 and 6,7 (2028) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 11 and 6,7 (2028) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 11 and 6,7 (2028) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plots 11 and 6,7 (2028) Landscaping	Excavators	1	10.00	29	0.38
Plots 11 and 6,7 (2028) Landscaping	Forklifts	1	10.00	125	0.20
Plots 11 and 6,7 (2028) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 6,7 (2028) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plots 11 and 6,7 (2028) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 11 and 6,7 (2028) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 11 and 6,7 (2028) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 11 and 6,7 (2028) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 11 and 6,7 (2028) Landscaping	Trenchers	1	10.00	39	0.50
Plots 11 and 6,7 (2028) Temporary Utilities	Cranes	1	10.00	445	0.29
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	Other Material Handling Equipment	2	1.00	167	0.40
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plots 11 and 6,7 (2028) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plots 11 and 6,7 (2028) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plots 11 and 6,7 (2028) Paving	Pavers	1	10.00	126	0.42
Plots 11 and 6,7 (2028) Paving	Paving Equipment	1	10.00	131	0.36
Plots 11 and 6,7 (2028) Paving	Plate Compactors	1	10.00	8	0.43
Plots 11 and 6,7 (2028) Paving	Rollers	1	10.00	81	0.38
Plots 11 and 6,7 (2028) Paving	Scrapers	1	10.00	362	0.48
Plots 11 and 6,7 (2028) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37
Plot 11 (2029) Mass Excavation	Graders	1	10.00	193	0.41
Plot 11 (2029) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plot 11 (2029) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40

Plot 11 (2029) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2029) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 11 (2029) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 11 (2029) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plot 11 (2029) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plot 11 (2029) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plot 11 (2029) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plot 11 (2029) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plot 11 (2029) Mass Excavation	Rubber Tired Dozers	1	10.00	85	0.40
Plot 11 (2029) Mass Excavation	Scrapers	1	10.00	550	0.48
Plot 11 (2029) Mass Excavation	Scrapers	6	10.00	550	0.48
Plot 11 (2029) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2029) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2029) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2029) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plot 11 (2029) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plot 11 (2029) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2029) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 11 (2029) Utilities	Excavators	1	10.00	523	0.38
Plot 11 (2029) Utilities	Excavators	5	10.00	286	0.38
Plot 11 (2029) Utilities	Excavators	1	10.00	190	0.38
Plot 11 (2029) Utilities	Excavators	2	10.00	396	0.38
Plot 11 (2029) Utilities	Excavators	1	10.00	190	0.38
Plot 11 (2029) Utilities	Excavators	1	10.00	188	0.38
Plot 11 (2029) Utilities	Excavators	4	10.00	40	0.38
Plot 11 (2029) Utilities	Forklifts	2	10.00	89	0.20
Plot 11 (2029) Utilities	Other Material Handling Equipment	4	1.00	167	0.40
Plot 11 (2029) Utilities	Other Material Handling Equipment	10	1.00	167	0.40
Plot 11 (2029) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2029) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2029) Building-Concrete	Cement and Mortar Mixers	10	1.00	9	0.56
Plot 11 (2029) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40

Plot 11 (2029)	Building-Concrete	Pumps	1	10.00	84	0.74
Plot 11 (2029)	Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2029)	Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plot 11 (2029)	Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plot 11 (2029)	Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plot 11 (2029)	Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 11 (2029)	Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plot 11 (2029)	Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plot 11 (2029)	Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 11 (2029)	Building-Electrical	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 11 (2029)	Building-Electrical	Excavators	4	10.00	40	0.38
Plot 11 (2029)	Building-Electrical	Forklifts	2	10.00	89	0.20
Plot 11 (2029)	Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2029)	Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2029)	Building-Landscaping	Excavators	1	10.00	29	0.38
Plot 11 (2029)	Building-Landscaping	Forklifts	1	10.00	125	0.20
Plot 11 (2029)	Building-Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2029)	Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 11 (2029)	Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 11 (2029)	Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 11 (2029)	Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 11 (2029)	Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 11 (2029)	Building-Landscaping	Trenchers	1	10.00	39	0.50
Plot 11 (2029)	Landscaping	Excavators	1	10.00	29	0.38
Plot 11 (2029)	Landscaping	Forklifts	1	10.00	125	0.20
Plot 11 (2029)	Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2029)	Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plot 11 (2029)	Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 11 (2029)	Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 11 (2029)	Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 11 (2029)	Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 11 (2029)	Landscaping	Trenchers	1	10.00	39	0.50

Plot 11 (2029) Temporary Utilities	Cranes	1	10.00	445	0.29
Plot 11 (2029) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plot 11 (2029) Curbing/Drive Approaches	Other Material Handling Equipment	2	1.00	167	0.40
Plot 11 (2029) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plot 11 (2029) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plot 11 (2029) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plot 11 (2029) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2029) Paving	Pavers	1	10.00	126	0.42
Plot 11 (2029) Paving	Paving Equipment	1	10.00	131	0.36
Plot 11 (2029) Paving	Plate Compactors	1	10.00	8	0.43
Plot 11 (2029) Paving	Rollers	1	10.00	81	0.38
Plot 11 (2029) Paving	Scrapers	1	10.00	362	0.48
Plot 11 (2029) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Plots 5 and 10 (2025) Mass Excavation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.0241	0.0000	7.0241	3.3619	0.0000	3.3619	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1247	32.4451	22.0956	0.0580		1.2485	1.2485		1.1486	1.1486	0.0000	5,096.6318	5,096.6318	1.6484	0.0000	5,137.8406

Total	**3.1247**	**32.4451**	**22.0956**	**0.0580**	**7.0241**	**1.2485**	**8.2726**	**3.3619**	**1.1486**	**4.5105**	**0.0000**	**5,096.6318**	**5,096.6318**	**1.6484**	**0.0000**	**5,137.8406**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7394	0.0000	2.7394	1.3111	0.0000	1.3111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.7635	3.4379	26.2785	0.0580		0.1081	0.1081		0.1068	0.1068	0.0000	5,096.6257	5,096.6257	1.6484	0.0000	5,137.8345
Total	**0.7635**	**3.4379**	**26.2785**	**0.0580**	**2.7394**	**0.1081**	**2.8475**	**1.3111**	**0.1068**	**1.4179**	**0.0000**	**5,096.6257**	**5,096.6257**	**1.6484**	**0.0000**	**5,137.8345**

3.3 Plots 5 and 10 (2025) Finish Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.9983	0.0000	3.9983	2.1674	0.0000	2.1674	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1004	0.9258	1.0225	1.4200e-003		0.0476	0.0476		0.0438	0.0438	0.0000	124.9307	124.9307	0.0404	0.0000	125.9409
Total	**0.1004**	**0.9258**	**1.0225**	**1.4200e-003**	**3.9983**	**0.0476**	**4.0460**	**2.1674**	**0.0438**	**2.2112**	**0.0000**	**124.9307**	**124.9307**	**0.0404**	**0.0000**	**125.9409**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Fugitive Dust					1.5594	0.0000	1.5594	0.8453	0.0000	0.8453	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0174	0.0754	1.0731	1.4200e-003		2.3200e-003	2.3200e-003		2.3200e-003	2.3200e-003	0.0000	124.9306	124.9306	0.0404	0.0000	125.9407
Total	**0.0174**	**0.0754**	**1.0731**	**1.4200e-003**	**1.5594**	**2.3200e-003**	**1.5617**	**0.8453**	**2.3200e-003**	**0.8476**	**0.0000**	**124.9306**	**124.9306**	**0.0404**	**0.0000**	**125.9407**

3.4 Plots 5 and 10 (2025) Utilities - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.3784	10.3830	14.9220	0.0453		0.3927	0.3927		0.3615	0.3615	0.0000	3,976.0207	3,976.0207	1.2846	0.0000	4,008.1360
Total	**1.3784**	**10.3830**	**14.9220**	**0.0453**		**0.3927**	**0.3927**		**0.3615**	**0.3615**	**0.0000**	**3,976.0207**	**3,976.0207**	**1.2846**	**0.0000**	**4,008.1360**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.5834	3.3231	23.5236	0.0453		0.0758	0.0758		0.0758	0.0758	0.0000	3,976.0159	3,976.0159	1.2846	0.0000	4,008.1312
Total	**0.5834**	**3.3231**	**23.5236**	**0.0453**		**0.0758**	**0.0758**		**0.0758**	**0.0758**	**0.0000**	**3,976.0159**	**3,976.0159**	**1.2846**	**0.0000**	**4,008.1312**

3.5 Plots 5 and 10 (2025) Building-Concrete - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2398	2.1777	3.4593	5.4000e-003		0.0895	0.0895		0.0853	0.0853	0.0000	464.6594	464.6594	0.0948	0.0000	467.0299
Total	**0.2398**	**2.1777**	**3.4593**	**5.4000e-003**		**0.0895**	**0.0895**		**0.0853**	**0.0853**	**0.0000**	**464.6594**	**464.6594**	**0.0948**	**0.0000**	**467.0299**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0774	0.3726	3.6931	5.4000e-003		0.0124	0.0124		0.0124	0.0124	0.0000	464.6588	464.6588	0.0948	0.0000	467.0293
Total	**0.0774**	**0.3726**	**3.6931**	**5.4000e-003**		**0.0124**	**0.0124**		**0.0124**	**0.0124**	**0.0000**	**464.6588**	**464.6588**	**0.0948**	**0.0000**	**467.0293**

3.6 Plots 5 and 10 (2025) Building-Wet Utilities - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6536	5.2781	9.6891	0.0177		0.2337	0.2337		0.2150	0.2150	0.0000	1,550.5583	1,550.5583	0.5015	0.0000	1,563.0954

Total	**0.6536**	**5.2781**	**9.6891**	**0.0177**		**0.2337**	**0.2337**		**0.2150**	**0.2150**	**0.0000**	**1,550.5583**	**1,550.5583**	**0.5015**	**0.0000**	**1,563.0954**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2169	0.9397	11.8012	0.0177		0.0289	0.0289		0.0289	0.0289	0.0000	1,550.5565	1,550.5565	0.5015	0.0000	1,563.0935
Total	**0.2169**	**0.9397**	**11.8012**	**0.0177**		**0.0289**	**0.0289**		**0.0289**	**0.0289**	**0.0000**	**1,550.5565**	**1,550.5565**	**0.5015**	**0.0000**	**1,563.0935**

3.7 Plots 5 and 10 (2025) Building-Electrical - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3120	2.8615	4.2772	5.9100e-003		0.1161	0.1161		0.1070	0.1070	0.0000	516.9988	516.9988	0.1659	0.0000	521.1461
Total	**0.3120**	**2.8615**	**4.2772**	**5.9100e-003**		**0.1161**	**0.1161**		**0.1070**	**0.1070**	**0.0000**	**516.9988**	**516.9988**	**0.1659**	**0.0000**	**521.1461**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0929	1.0023	4.4275	5.9100e-003		0.0111	0.0111		0.0111	0.0111	0.0000	516.9981	516.9981	0.1659	0.0000	521.1455
Total	**0.0929**	**1.0023**	**4.4275**	**5.9100e-003**		**0.0111**	**0.0111**		**0.0111**	**0.0111**	**0.0000**	**516.9981**	**516.9981**	**0.1659**	**0.0000**	**521.1455**

3.8 Plots 5 and 10 (2025) Building-Landscaping - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3022	2.5249	4.2955	6.2100e-003		0.1101	0.1101		0.1013	0.1013	0.0000	545.2614	545.2614	0.1764	0.0000	549.6702
Total	**0.3022**	**2.5249**	**4.2955**	**6.2100e-003**		**0.1101**	**0.1101**		**0.1013**	**0.1013**	**0.0000**	**545.2614**	**545.2614**	**0.1764**	**0.0000**	**549.6702**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1510	1.6138	4.6983	6.2100e-003		0.0274	0.0274		0.0259	0.0259	0.0000	545.2608	545.2608	0.1764	0.0000	549.6695
Total	**0.1510**	**1.6138**	**4.6983**	**6.2100e-003**		**0.0274**	**0.0274**		**0.0259**	**0.0259**	**0.0000**	**545.2608**	**545.2608**	**0.1764**	**0.0000**	**549.6695**

3.9 Plots 5 and 10 (2025) Landscaping - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3167	2.6322	4.5390	6.5800e-003		0.1156	0.1156		0.1064	0.1064	0.0000	578.1936	578.1936	0.1870	0.0000	582.8686
Total	**0.3167**	**2.6322**	**4.5390**	**6.5800e-003**		**0.1156**	**0.1156**		**0.1064**	**0.1064**	**0.0000**	**578.1936**	**578.1936**	**0.1870**	**0.0000**	**582.8686**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1557	1.6338	4.9828	6.5800e-003		0.0280	0.0280		0.0265	0.0265	0.0000	578.1929	578.1929	0.1870	0.0000	582.8679
Total	**0.1557**	**1.6338**	**4.9828**	**6.5800e-003**		**0.0280**	**0.0280**		**0.0265**	**0.0265**	**0.0000**	**578.1929**	**578.1929**	**0.1870**	**0.0000**	**582.8679**

3.10 Plots 5 and 10 (2025) Temporary Utilities - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.1622	1.5997	1.3616	3.6200e-003		0.0653	0.0653		0.0601	0.0601	0.0000	317.9364	317.9364	0.1028	0.0000	320.5070
Total	**0.1622**	**1.5997**	**1.3616**	**3.6200e-003**		**0.0653**	**0.0653**		**0.0601**	**0.0601**	**0.0000**	**317.9364**	**317.9364**	**0.1028**	**0.0000**	**320.5070**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0446	0.1931	1.6336	3.6200e-003		5.9400e-003	5.9400e-003		5.9400e-003	5.9400e-003	0.0000	317.9360	317.9360	0.1028	0.0000	320.5067
Total	**0.0446**	**0.1931**	**1.6336**	**3.6200e-003**		**5.9400e-003**	**5.9400e-003**		**5.9400e-003**	**5.9400e-003**	**0.0000**	**317.9360**	**317.9360**	**0.1028**	**0.0000**	**320.5067**

3.11 Plots 5 and 10 (2025) Curbing/Drive Approaches - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0883	0.7812	1.3711	2.0800e-003		0.0370	0.0370		0.0341	0.0341	0.0000	181.1777	181.1777	0.0576	0.0000	182.6180
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2502**	**0.7812**	**1.3711**	**2.0800e-003**		**0.0370**	**0.0370**		**0.0341**	**0.0341**	**0.0000**	**181.1777**	**181.1777**	**0.0576**	**0.0000**	**182.6180**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0340	0.2884	1.5549	2.0800e-003		4.7000e-003	4.7000e-003		4.7000e-003	4.7000e-003	0.0000	181.1775	181.1775	0.0576	0.0000	182.6178
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1959**	**0.2884**	**1.5549**	**2.0800e-003**		**4.7000e-003**	**4.7000e-003**		**4.7000e-003**	**4.7000e-003**	**0.0000**	**181.1775**	**181.1775**	**0.0576**	**0.0000**	**182.6178**

3.12 Plots 5 and 10 (2025) Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4788	4.4881	5.8655	0.0112		0.1927	0.1927		0.1775	0.1775	0.0000	976.5810	976.5810	0.3136	0.0000	984.4211
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.6407**	**4.4881**	**5.8655**	**0.0112**		**0.1927**	**0.1927**		**0.1775**	**0.1775**	**0.0000**	**976.5810**	**976.5810**	**0.3136**	**0.0000**	**984.4211**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1351	0.5854	6.8302	0.0112		0.0180	0.0180		0.0180	0.0180	0.0000	976.5798	976.5798	0.3136	0.0000	984.4199
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	**0.2970**	**0.5854**	**6.8302**	**0.0112**		**0.0180**	**0.0180**		**0.0180**	**0.0180**	**0.0000**	**976.5798**	**976.5798**	**0.3136**	**0.0000**	**984.4199**

3.13 Plots 10 and 8 (2026) Mass Excavation - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.2826	0.0000	4.2826	1.7642	0.0000	1.7642	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9816	31.1172	21.0182	0.0542		1.1984	1.1984		1.1025	1.1025	0.0000	4,763.0926	4,763.0926	1.5405	0.0000	4,801.6046
Total	**2.9816**	**31.1172**	**21.0182**	**0.0542**	**4.2826**	**1.1984**	**5.4810**	**1.7642**	**1.1025**	**2.8667**	**0.0000**	**4,763.0926**	**4,763.0926**	**1.5405**	**0.0000**	**4,801.6046**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.6702	0.0000	1.6702	0.6880	0.0000	0.6880	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.7168	3.2354	24.5364	0.0542		0.1019	0.1019		0.1005	0.1005	0.0000	4,763.0869	4,763.0869	1.5405	0.0000	4,801.5989
Total	**0.7168**	**3.2354**	**24.5364**	**0.0542**	**1.6702**	**0.1019**	**1.7721**	**0.6880**	**0.1005**	**0.7886**	**0.0000**	**4,763.0869**	**4,763.0869**	**1.5405**	**0.0000**	**4,801.5989**

3.14 Plots 10 and 8 (2026) Finish Grading - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Fugitive Dust					3.0118	0.0000	3.0118	1.6269	0.0000	1.6269	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1004	0.9258	1.0225	1.4200e-003		0.0476	0.0476		0.0438	0.0438	0.0000	124.9307	124.9307	0.0404	0.0000	125.9409
Total	**0.1004**	**0.9258**	**1.0225**	**1.4200e-003**	**3.0118**	**0.0476**	**3.0594**	**1.6269**	**0.0438**	**1.6708**	**0.0000**	**124.9307**	**124.9307**	**0.0404**	**0.0000**	**125.9409**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1746	0.0000	1.1746	0.6345	0.0000	0.6345	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0174	0.0754	1.0731	1.4200e-003		2.3200e-003	2.3200e-003		2.3200e-003	2.3200e-003	0.0000	124.9306	124.9306	0.0404	0.0000	125.9407
Total	**0.0174**	**0.0754**	**1.0731**	**1.4200e-003**	**1.1746**	**2.3200e-003**	**1.1769**	**0.6345**	**2.3200e-003**	**0.6368**	**0.0000**	**124.9306**	**124.9306**	**0.0404**	**0.0000**	**125.9407**

3.15 Plots 10 and 8 (2026) Utilities - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.8729	6.3540	9.1646	0.0304		0.2379	0.2379		0.2190	0.2190	0.0000	2,663.2455	2,663.2455	0.8607	0.0000	2,684.7628
Total	**0.8729**	**6.3540**	**9.1646**	**0.0304**		**0.2379**	**0.2379**		**0.2190**	**0.2190**	**0.0000**	**2,663.2455**	**2,663.2455**	**0.8607**	**0.0000**	**2,684.7628**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3867	2.0730	15.2723	0.0304		0.0506	0.0506		0.0506	0.0506	0.0000	2,663.2424	2,663.2424	0.8607	0.0000	2,684.7596
Total	**0.3867**	**2.0730**	**15.2723**	**0.0304**		**0.0506**	**0.0506**		**0.0506**	**0.0506**	**0.0000**	**2,663.2424**	**2,663.2424**	**0.8607**	**0.0000**	**2,684.7596**

3.16 Plots 10 and 8 (2026) Building-Concrete - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1495	1.3510	2.1174	3.2900e-003		0.0553	0.0553		0.0525	0.0525	0.0000	281.2792	281.2792	0.0616	0.0000	282.8192
Total	**0.1495**	**1.3510**	**2.1174**	**3.2900e-003**		**0.0553**	**0.0553**		**0.0525**	**0.0525**	**0.0000**	**281.2792**	**281.2792**	**0.0616**	**0.0000**	**282.8192**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0541	0.2713	2.2513	3.2900e-003		9.3200e-003	9.3200e-003		9.3200e-003	9.3200e-003	0.0000	281.2788	281.2788	0.0616	0.0000	282.8188

Total	**0.0541**	**0.2713**	**2.2513**	**3.2900e-003**		**9.3200e-003**	**9.3200e-003**		**9.3200e-003**	**9.3200e-003**	**0.0000**	**281.2788**	**281.2788**	**0.0616**	**0.0000**	**282.8188**

3.17 Plots 10 and 8 (2026) Building-Wet Utilities - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3377	2.7195	5.0272	9.1100e-003		0.1210	0.1210		0.1114	0.1114	0.0000	799.9783	799.9783	0.2587	0.0000	806.4465
Total	**0.3377**	**2.7195**	**5.0272**	**9.1100e-003**		**0.1210**	**0.1210**		**0.1114**	**0.1114**	**0.0000**	**799.9783**	**799.9783**	**0.2587**	**0.0000**	**806.4465**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1119	0.4848	6.1139	9.1100e-003		0.0149	0.0149		0.0149	0.0149	0.0000	799.9774	799.9774	0.2587	0.0000	806.4456
Total	**0.1119**	**0.4848**	**6.1139**	**9.1100e-003**		**0.0149**	**0.0149**		**0.0149**	**0.0149**	**0.0000**	**799.9774**	**799.9774**	**0.2587**	**0.0000**	**806.4456**

3.18 Plots 10 and 8 (2026) Building-Electrical - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1946	1.7898	2.6656	3.6800e-003		0.0712	0.0712		0.0656	0.0656	0.0000	321.5794	321.5794	0.1032	0.0000	324.1590
Total	**0.1946**	**1.7898**	**2.6656**	**3.6800e-003**		**0.0712**	**0.0712**		**0.0656**	**0.0656**	**0.0000**	**321.5794**	**321.5794**	**0.1032**	**0.0000**	**324.1590**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0584	0.6523	2.7525	3.6800e-003		6.9100e-003	6.9100e-003		6.9100e-003	6.9100e-003	0.0000	321.5790	321.5790	0.1032	0.0000	324.1587
Total	**0.0584**	**0.6523**	**2.7525**	**3.6800e-003**		**6.9100e-003**	**6.9100e-003**		**6.9100e-003**	**6.9100e-003**	**0.0000**	**321.5790**	**321.5790**	**0.1032**	**0.0000**	**324.1587**

3.19 Plots 10 and 8 (2026) Building-Landscaping - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1584	1.3161	2.2695	3.2900e-003		0.0578	0.0578		0.0532	0.0532	0.0000	289.0968	289.0968	0.0935	0.0000	291.4343
Total	**0.1584**	**1.3161**	**2.2695**	**3.2900e-003**		**0.0578**	**0.0578**		**0.0532**	**0.0532**	**0.0000**	**289.0968**	**289.0968**	**0.0935**	**0.0000**	**291.4343**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0778	0.8169	2.4914	3.2900e-003		0.0140	0.0140		0.0133	0.0133	0.0000	289.0965	289.0965	0.0935	0.0000	291.4340
Total	**0.0778**	**0.8169**	**2.4914**	**3.2900e-003**		**0.0140**	**0.0140**		**0.0133**	**0.0133**	**0.0000**	**289.0965**	**289.0965**	**0.0935**	**0.0000**	**291.4340**

3.20 Plots 10 and 8 (2026) Landscaping - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1584	1.3161	2.2695	3.2900e-003		0.0578	0.0578		0.0532	0.0532	0.0000	289.0968	289.0968	0.0935	0.0000	291.4343
Total	**0.1584**	**1.3161**	**2.2695**	**3.2900e-003**		**0.0578**	**0.0578**		**0.0532**	**0.0532**	**0.0000**	**289.0968**	**289.0968**	**0.0935**	**0.0000**	**291.4343**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.0778	0.8169	2.4914	3.2900e-003		0.0140	0.0140		0.0133	0.0133	0.0000	289.0965	289.0965	0.0935	0.0000	291.4340
Total	**0.0778**	**0.8169**	**2.4914**	**3.2900e-003**		**0.0140**	**0.0140**		**0.0133**	**0.0133**	**0.0000**	**289.0965**	**289.0965**	**0.0935**	**0.0000**	**291.4340**

3.21 Plots 10 and 8 (2026) Temporary Utilities - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0811	0.7998	0.6808	1.8100e-003		0.0326	0.0326		0.0300	0.0300	0.0000	158.9682	158.9682	0.0514	0.0000	160.2535
Total	**0.0811**	**0.7998**	**0.6808**	**1.8100e-003**		**0.0326**	**0.0326**		**0.0300**	**0.0300**	**0.0000**	**158.9682**	**158.9682**	**0.0514**	**0.0000**	**160.2535**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0223	0.0965	0.8168	1.8100e-003		2.9700e-003	2.9700e-003		2.9700e-003	2.9700e-003	0.0000	158.9680	158.9680	0.0514	0.0000	160.2533
Total	**0.0223**	**0.0965**	**0.8168**	**1.8100e-003**		**2.9700e-003**	**2.9700e-003**		**2.9700e-003**	**2.9700e-003**	**0.0000**	**158.9680**	**158.9680**	**0.0514**	**0.0000**	**160.2533**

3.22 Plots 10 and 8 (2026) Curbing/Drive Approaches - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0782	0.7095	1.2342	1.8600e-003		0.0335	0.0335		0.0309	0.0309	0.0000	162.4689	162.4689	0.0521	0.0000	163.7702
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2401**	**0.7095**	**1.2342**	**1.8600e-003**		**0.0335**	**0.0335**		**0.0309**	**0.0309**	**0.0000**	**162.4689**	**162.4689**	**0.0521**	**0.0000**	**163.7702**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0288	0.2604	1.3976	1.8600e-003		3.6900e-003	3.6900e-003		3.6900e-003	3.6900e-003	0.0000	162.4687	162.4687	0.0521	0.0000	163.7700
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1907**	**0.2604**	**1.3976**	**1.8600e-003**		**3.6900e-003**	**3.6900e-003**		**3.6900e-003**	**3.6900e-003**	**0.0000**	**162.4687**	**162.4687**	**0.0521**	**0.0000**	**163.7700**

3.23 Plots 10 and 8 (2026) Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2394	2.2441	2.9328	5.5800e-003		0.0963	0.0963		0.0888	0.0888	0.0000	488.2905	488.2905	0.1568	0.0000	492.2106
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	**0.4013**	**2.2441**	**2.9328**	**5.5800e-003**		**0.0963**	**0.0963**		**0.0888**	**0.0888**	**0.0000**	**488.2905**	**488.2905**	**0.1568**	**0.0000**	**492.2106**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0675	0.2927	3.4151	5.5800e-003		9.0100e-003	9.0100e-003		9.0100e-003	9.0100e-003	0.0000	488.2899	488.2899	0.1568	0.0000	492.2100
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2295**	**0.2927**	**3.4151**	**5.5800e-003**		**9.0100e-003**	**9.0100e-003**		**9.0100e-003**	**9.0100e-003**	**0.0000**	**488.2899**	**488.2899**	**0.1568**	**0.0000**	**492.2100**

3.24 Plot 8 (2027) Mass Excavation - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.7176	0.0000	3.7176	1.7032	0.0000	1.7032	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9816	31.1172	21.0182	0.0542		1.1984	1.1984		1.1025	1.1025	0.0000	4,763.0926	4,763.0926	1.5405	0.0000	4,801.6046
Total	**2.9816**	**31.1172**	**21.0182**	**0.0542**	**3.7176**	**1.1984**	**4.9160**	**1.7032**	**1.1025**	**2.8057**	**0.0000**	**4,763.0926**	**4,763.0926**	**1.5405**	**0.0000**	**4,801.6046**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Fugitive Dust					1.4499	0.0000	1.4499	0.6642	0.0000	0.6642	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.7168	3.2354	24.5364	0.0542		0.1019	0.1019		0.1005	0.1005	0.0000	4,763.0869	4,763.0869	1.5405	0.0000	4,801.5989
Total	**0.7168**	**3.2354**	**24.5364**	**0.0542**	**1.4499**	**0.1019**	**1.5517**	**0.6642**	**0.1005**	**0.7648**	**0.0000**	**4,763.0869**	**4,763.0869**	**1.5405**	**0.0000**	**4,801.5989**

3.25 Plot 8 (2027) Finish Grading - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0126	0.0000	1.0126	0.5432	0.0000	0.5432	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1004	0.9258	1.0225	1.4200e-003		0.0476	0.0476		0.0438	0.0438	0.0000	124.9307	124.9307	0.0404	0.0000	125.9409
Total	**0.1004**	**0.9258**	**1.0225**	**1.4200e-003**	**1.0126**	**0.0476**	**1.0602**	**0.5432**	**0.0438**	**0.5871**	**0.0000**	**124.9307**	**124.9307**	**0.0404**	**0.0000**	**125.9409**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3949	0.0000	0.3949	0.2119	0.0000	0.2119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0174	0.0754	1.0731	1.4200e-003		2.3200e-003	2.3200e-003		2.3200e-003	2.3200e-003	0.0000	124.9306	124.9306	0.0404	0.0000	125.9407
Total	**0.0174**	**0.0754**	**1.0731**	**1.4200e-003**	**0.3949**	**2.3200e-003**	**0.3972**	**0.2119**	**2.3200e-003**	**0.2142**	**0.0000**	**124.9306**	**124.9306**	**0.0404**	**0.0000**	**125.9407**

3.26 Plot 8 (2027) Utilities - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6928	5.2183	7.5219	0.0228		0.1978	0.1978		0.1820	0.1820	0.0000	1,996.2434	1,996.2434	0.6450	0.0000	2,012.3676
Total	**0.6928**	**5.2183**	**7.5219**	**0.0228**		**0.1978**	**0.1978**		**0.1820**	**0.1820**	**0.0000**	**1,996.2434**	**1,996.2434**	**0.6450**	**0.0000**	**2,012.3676**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2929	1.6665	11.8329	0.0228		0.0381	0.0381		0.0381	0.0381	0.0000	1,996.2410	1,996.2410	0.6450	0.0000	2,012.3652
Total	**0.2929**	**1.6665**	**11.8329**	**0.0228**		**0.0381**	**0.0381**		**0.0381**	**0.0381**	**0.0000**	**1,996.2410**	**1,996.2410**	**0.6450**	**0.0000**	**2,012.3652**

3.27 Plot 8 (2027) Building-Concrete - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1495	1.3510	2.1174	3.2900e-003		0.0553	0.0553		0.0525	0.0525	0.0000	281.2792	281.2792	0.0616	0.0000	282.8192

Total	**0.1495**	**1.3510**	**2.1174**	**3.2900e-003**		**0.0553**	**0.0553**		**0.0525**	**0.0525**	**0.0000**	**281.2792**	**281.2792**	**0.0616**	**0.0000**	**282.8192**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0541	0.2713	2.2513	3.2900e-003		9.3200e-003	9.3200e-003		9.3200e-003	9.3200e-003	0.0000	281.2788	281.2788	0.0616	0.0000	282.8188
Total	**0.0541**	**0.2713**	**2.2513**	**3.2900e-003**		**9.3200e-003**	**9.3200e-003**		**9.3200e-003**	**9.3200e-003**	**0.0000**	**281.2788**	**281.2788**	**0.0616**	**0.0000**	**282.8188**

3.28 Plot 8 (2027) Building-Wet Utilities - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3377	2.7195	5.0272	9.1100e-003		0.1210	0.1210		0.1114	0.1114	0.0000	799.9783	799.9783	0.2587	0.0000	806.4465
Total	**0.3377**	**2.7195**	**5.0272**	**9.1100e-003**		**0.1210**	**0.1210**		**0.1114**	**0.1114**	**0.0000**	**799.9783**	**799.9783**	**0.2587**	**0.0000**	**806.4465**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1119	0.4848	6.1139	9.1100e-003		0.0149	0.0149		0.0149	0.0149	0.0000	799.9774	799.9774	0.2587	0.0000	806.4456
Total	**0.1119**	**0.4848**	**6.1139**	**9.1100e-003**		**0.0149**	**0.0149**		**0.0149**	**0.0149**	**0.0000**	**799.9774**	**799.9774**	**0.2587**	**0.0000**	**806.4456**

3.29 Plot 8 (2027) Building-Electrical - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1946	1.7898	2.6656	3.6800e-003		0.0712	0.0712		0.0656	0.0656	0.0000	321.5794	321.5794	0.1032	0.0000	324.1590
Total	**0.1946**	**1.7898**	**2.6656**	**3.6800e-003**		**0.0712**	**0.0712**		**0.0656**	**0.0656**	**0.0000**	**321.5794**	**321.5794**	**0.1032**	**0.0000**	**324.1590**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0584	0.6523	2.7525	3.6800e-003		6.9100e-003	6.9100e-003		6.9100e-003	6.9100e-003	0.0000	321.5790	321.5790	0.1032	0.0000	324.1587
Total	**0.0584**	**0.6523**	**2.7525**	**3.6800e-003**		**6.9100e-003**	**6.9100e-003**		**6.9100e-003**	**6.9100e-003**	**0.0000**	**321.5790**	**321.5790**	**0.1032**	**0.0000**	**324.1587**

3.30 Plot 8 (2027) Building-Landscaping - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1584	1.3161	2.2695	3.2900e-003		0.0578	0.0578		0.0532	0.0532	0.0000	289.0968	289.0968	0.0935	0.0000	291.4343
Total	**0.1584**	**1.3161**	**2.2695**	**3.2900e-003**		**0.0578**	**0.0578**		**0.0532**	**0.0532**	**0.0000**	**289.0968**	**289.0968**	**0.0935**	**0.0000**	**291.4343**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0778	0.8169	2.4914	3.2900e-003		0.0140	0.0140		0.0133	0.0133	0.0000	289.0965	289.0965	0.0935	0.0000	291.4340
Total	**0.0778**	**0.8169**	**2.4914**	**3.2900e-003**		**0.0140**	**0.0140**		**0.0133**	**0.0133**	**0.0000**	**289.0965**	**289.0965**	**0.0935**	**0.0000**	**291.4340**

3.31 Plot 8 (2027) Landscaping - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.1584	1.3161	2.2695	3.2900e-003		0.0578	0.0578		0.0532	0.0532	0.0000	289.0968	289.0968	0.0935	0.0000	291.4343
Total	**0.1584**	**1.3161**	**2.2695**	**3.2900e-003**		**0.0578**	**0.0578**		**0.0532**	**0.0532**	**0.0000**	**289.0968**	**289.0968**	**0.0935**	**0.0000**	**291.4343**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0778	0.8169	2.4914	3.2900e-003		0.0140	0.0140		0.0133	0.0133	0.0000	289.0965	289.0965	0.0935	0.0000	291.4340
Total	**0.0778**	**0.8169**	**2.4914**	**3.2900e-003**		**0.0140**	**0.0140**		**0.0133**	**0.0133**	**0.0000**	**289.0965**	**289.0965**	**0.0935**	**0.0000**	**291.4340**

3.32 Plot 8 (2027) Temporary Utilities - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0811	0.7998	0.6808	1.8100e-003		0.0326	0.0326		0.0300	0.0300	0.0000	158.9682	158.9682	0.0514	0.0000	160.2535
Total	**0.0811**	**0.7998**	**0.6808**	**1.8100e-003**		**0.0326**	**0.0326**		**0.0300**	**0.0300**	**0.0000**	**158.9682**	**158.9682**	**0.0514**	**0.0000**	**160.2535**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0223	0.0965	0.8168	1.8100e-003		2.9700e-003	2.9700e-003		2.9700e-003	2.9700e-003	0.0000	158.9680	158.9680	0.0514	0.0000	160.2533
Total	**0.0223**	**0.0965**	**0.8168**	**1.8100e-003**		**2.9700e-003**	**2.9700e-003**		**2.9700e-003**	**2.9700e-003**	**0.0000**	**158.9680**	**158.9680**	**0.0514**	**0.0000**	**160.2533**

3.33 Plot 8 (2027) Curbing/Drive Approaches - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0102	0.0717	0.1369	2.2000e-004		3.4800e-003	3.4800e-003		3.2600e-003	3.2600e-003	0.0000	18.7088	18.7088	5.5600e-003	0.0000	18.8478
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1721**	**0.0717**	**0.1369**	**2.2000e-004**		**3.4800e-003**	**3.4800e-003**		**3.2600e-003**	**3.2600e-003**	**0.0000**	**18.7088**	**18.7088**	**5.5600e-003**	**0.0000**	**18.8478**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.1800e-003	0.0280	0.1573	2.2000e-004		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.0000	18.7088	18.7088	5.5600e-003	0.0000	18.8477
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	**0.1671**	**0.0280**	**0.1573**	**2.2000e-004**		**1.0100e-003**	**1.0100e-003**		**1.0100e-003**	**1.0100e-003**	**0.0000**	**18.7088**	**18.7088**	**5.5600e-003**	**0.0000**	**18.8477**

3.34 Plot 8 (2027) Paving - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2394	2.2441	2.9328	5.5800e-003		0.0963	0.0963		0.0888	0.0888	0.0000	488.2905	488.2905	0.1568	0.0000	492.2106
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.4013**	**2.2441**	**2.9328**	**5.5800e-003**		**0.0963**	**0.0963**		**0.0888**	**0.0888**	**0.0000**	**488.2905**	**488.2905**	**0.1568**	**0.0000**	**492.2106**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0675	0.2927	3.4151	5.5800e-003		9.0100e-003	9.0100e-003		9.0100e-003	9.0100e-003	0.0000	488.2899	488.2899	0.1568	0.0000	492.2100
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2295**	**0.2927**	**3.4151**	**5.5800e-003**		**9.0100e-003**	**9.0100e-003**		**9.0100e-003**	**9.0100e-003**	**0.0000**	**488.2899**	**488.2899**	**0.1568**	**0.0000**	**492.2100**

3.35 Plots 11 and 6,7 (2028) Mass Excavation - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Fugitive Dust					5.2475	0.0000	5.2475	1.8634	0.0000	1.8634	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0985	32.1762	21.9723	0.0558		1.2465	1.2465		1.1468	1.1468	0.0000	4,896.8110	4,896.8110	1.5837	0.0000	4,936.4042
Total	**3.0985**	**32.1762**	**21.9723**	**0.0558**	**5.2475**	**1.2465**	**6.4940**	**1.8634**	**1.1468**	**3.0101**	**0.0000**	**4,896.8110**	**4,896.8110**	**1.5837**	**0.0000**	**4,936.4042**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.0465	0.0000	2.0465	0.7267	0.0000	0.7267	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.7350	3.3139	25.2116	0.0558		0.1043	0.1043		0.1030	0.1030	0.0000	4,896.8052	4,896.8052	1.5837	0.0000	4,936.3984
Total	**0.7350**	**3.3139**	**25.2116**	**0.0558**	**2.0465**	**0.1043**	**2.1508**	**0.7267**	**0.1030**	**0.8297**	**0.0000**	**4,896.8052**	**4,896.8052**	**1.5837**	**0.0000**	**4,936.3984**

3.36 Plots 11 and 6,7 (2028) Finish Grading - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1382	0.0000	1.1382	0.5552	0.0000	0.5552	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1001	0.9223	1.0186	1.4200e-003		0.0475	0.0475		0.0437	0.0437	0.0000	124.4521	124.4521	0.0403	0.0000	125.4583
Total	**0.1001**	**0.9223**	**1.0186**	**1.4200e-003**	**1.1382**	**0.0475**	**1.1857**	**0.5552**	**0.0437**	**0.5988**	**0.0000**	**124.4521**	**124.4521**	**0.0403**	**0.0000**	**125.4583**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4439	0.0000	0.4439	0.2165	0.0000	0.2165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0173	0.0751	1.0690	1.4200e-003		2.3100e-003	2.3100e-003		2.3100e-003	2.3100e-003	0.0000	124.4519	124.4519	0.0403	0.0000	125.4582
Total	**0.0173**	**0.0751**	**1.0690**	**1.4200e-003**	**0.4439**	**2.3100e-003**	**0.4462**	**0.2165**	**2.3100e-003**	**0.2188**	**0.0000**	**124.4519**	**124.4519**	**0.0403**	**0.0000**	**125.4582**

3.37 Plots 11 and 6,7 (2028) Utilities - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6902	5.1983	7.4931	0.0227		0.1970	0.1970		0.1813	0.1813	0.0000	1,988.5949	1,988.5949	0.6425	0.0000	2,004.6574
Total	**0.6902**	**5.1983**	**7.4931**	**0.0227**		**0.1970**	**0.1970**		**0.1813**	**0.1813**	**0.0000**	**1,988.5949**	**1,988.5949**	**0.6425**	**0.0000**	**2,004.6574**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2917	1.6602	11.7876	0.0227		0.0379	0.0379		0.0379	0.0379	0.0000	1,988.5926	1,988.5926	0.6425	0.0000	2,004.6550

Total	**0.2917**	**1.6602**	**11.7876**	**0.0227**		**0.0379**	**0.0379**		**0.0379**	**0.0379**	**0.0000**	**1,988.5926**	**1,988.5926**	**0.6425**	**0.0000**	**2,004.6550**

3.38 Plots 11 and 6,7 (2028) Building-Concrete - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1394	1.2860	2.0592	3.1600e-003		0.0527	0.0527		0.0500	0.0500	0.0000	272.7545	272.7545	0.0606	0.0000	274.2693
Total	**0.1394**	**1.2860**	**2.0592**	**3.1600e-003**		**0.0527**	**0.0527**		**0.0500**	**0.0500**	**0.0000**	**272.7545**	**272.7545**	**0.0606**	**0.0000**	**274.2693**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0443	0.2104	2.1926	3.1600e-003		6.9600e-003	6.9600e-003		6.9600e-003	6.9600e-003	0.0000	272.7541	272.7541	0.0606	0.0000	274.2689
Total	**0.0443**	**0.2104**	**2.1926**	**3.1600e-003**		**6.9600e-003**	**6.9600e-003**		**6.9600e-003**	**6.9600e-003**	**0.0000**	**272.7541**	**272.7541**	**0.0606**	**0.0000**	**274.2689**

3.39 Plots 11 and 6,7 (2028) Building-Wet Utilities - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3364	2.7091	5.0079	9.0800e-003		0.1206	0.1206		0.1109	0.1109	0.0000	796.9133	796.9133	0.2577	0.0000	803.3567
Total	**0.3364**	**2.7091**	**5.0079**	**9.0800e-003**		**0.1206**	**0.1206**		**0.1109**	**0.1109**	**0.0000**	**796.9133**	**796.9133**	**0.2577**	**0.0000**	**803.3567**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1115	0.4830	6.0905	9.0800e-003		0.0149	0.0149		0.0149	0.0149	0.0000	796.9123	796.9123	0.2577	0.0000	803.3558
Total	**0.1115**	**0.4830**	**6.0905**	**9.0800e-003**		**0.0149**	**0.0149**		**0.0149**	**0.0149**	**0.0000**	**796.9123**	**796.9123**	**0.2577**	**0.0000**	**803.3558**

3.40 Plots 11 and 6,7 (2028) Building-Electrical - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1929	1.7770	2.6504	3.6500e-003		0.0707	0.0707		0.0651	0.0651	0.0000	319.6026	319.6026	0.1027	0.0000	322.1704
Total	**0.1929**	**1.7770**	**2.6504**	**3.6500e-003**		**0.0707**	**0.0707**		**0.0651**	**0.0651**	**0.0000**	**319.6026**	**319.6026**	**0.1027**	**0.0000**	**322.1704**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0572	0.6438	2.7370	3.6500e-003		6.6500e-003	6.6500e-003		6.6500e-003	6.6500e-003	0.0000	319.6022	319.6022	0.1027	0.0000	322.1700
Total	**0.0572**	**0.6438**	**2.7370**	**3.6500e-003**		**6.6500e-003**	**6.6500e-003**		**6.6500e-003**	**6.6500e-003**	**0.0000**	**319.6022**	**319.6022**	**0.1027**	**0.0000**	**322.1700**

3.41 Plots 11 and 6,7 (2028) Building-Landscaping - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1505	1.2576	2.1395	3.0900e-003		0.0548	0.0548		0.0504	0.0504	0.0000	271.5862	271.5862	0.0878	0.0000	273.7821
Total	**0.1505**	**1.2576**	**2.1395**	**3.0900e-003**		**0.0548**	**0.0548**		**0.0504**	**0.0504**	**0.0000**	**271.5862**	**271.5862**	**0.0878**	**0.0000**	**273.7821**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.0752	0.8038	2.3402	3.0900e-003		0.0136	0.0136		0.0129	0.0129	0.0000	271.5858	271.5858	0.0878	0.0000	273.7817
Total	**0.0752**	**0.8038**	**2.3402**	**3.0900e-003**		**0.0136**	**0.0136**		**0.0129**	**0.0129**	**0.0000**	**271.5858**	**271.5858**	**0.0878**	**0.0000**	**273.7817**

3.42 Plots 11 and 6,7 (2028) Landscaping - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1578	1.3110	2.2608	3.2800e-003		0.0576	0.0576		0.0530	0.0530	0.0000	287.9892	287.9892	0.0931	0.0000	290.3177
Total	**0.1578**	**1.3110**	**2.2608**	**3.2800e-003**		**0.0576**	**0.0576**		**0.0530**	**0.0530**	**0.0000**	**287.9892**	**287.9892**	**0.0931**	**0.0000**	**290.3177**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0775	0.8138	2.4818	3.2800e-003		0.0140	0.0140		0.0132	0.0132	0.0000	287.9888	287.9888	0.0931	0.0000	290.3174
Total	**0.0775**	**0.8138**	**2.4818**	**3.2800e-003**		**0.0140**	**0.0140**		**0.0132**	**0.0132**	**0.0000**	**287.9888**	**287.9888**	**0.0931**	**0.0000**	**290.3174**

3.43 Plots 11 and 6,7 (2028) Temporary Utilities - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0808	0.7968	0.6782	1.8000e-003		0.0325	0.0325		0.0299	0.0299	0.0000	158.3591	158.3591	0.0512	0.0000	159.6395
Total	**0.0808**	**0.7968**	**0.6782**	**1.8000e-003**		**0.0325**	**0.0325**		**0.0299**	**0.0299**	**0.0000**	**158.3591**	**158.3591**	**0.0512**	**0.0000**	**159.6395**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0222	0.0962	0.8137	1.8000e-003		2.9600e-003	2.9600e-003		2.9600e-003	2.9600e-003	0.0000	158.3589	158.3589	0.0512	0.0000	159.6393
Total	**0.0222**	**0.0962**	**0.8137**	**1.8000e-003**		**2.9600e-003**	**2.9600e-003**		**2.9600e-003**	**2.9600e-003**	**0.0000**	**158.3589**	**158.3589**	**0.0512**	**0.0000**	**159.6393**

3.44 Plots 11 and 6,7 (2028) Curbing/Drive Approaches - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0706	0.6534	1.1082	1.6700e-003		0.0306	0.0306		0.0282	0.0282	0.0000	145.4434	145.4434	0.0466	0.0000	146.6071
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	**0.2325**	**0.6534**	**1.1082**	**1.6700e-003**		**0.0306**	**0.0306**		**0.0282**	**0.0282**	**0.0000**	**145.4434**	**145.4434**	**0.0466**	**0.0000**	**146.6071**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0264	0.2494	1.2505	1.6700e-003		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003	0.0000	145.4432	145.4432	0.0466	0.0000	146.6069
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1883**	**0.2494**	**1.2505**	**1.6700e-003**		**3.3700e-003**	**3.3700e-003**		**3.3700e-003**	**3.3700e-003**	**0.0000**	**145.4432**	**145.4432**	**0.0466**	**0.0000**	**146.6069**

3.45 Plots 11 and 6,7 (2028) Paving - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2385	2.2355	2.9215	5.5600e-003		0.0960	0.0960		0.0884	0.0884	0.0000	486.4197	486.4197	0.1562	0.0000	490.3247
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.4004**	**2.2355**	**2.9215**	**5.5600e-003**		**0.0960**	**0.0960**		**0.0884**	**0.0884**	**0.0000**	**486.4197**	**486.4197**	**0.1562**	**0.0000**	**490.3247**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Off-Road	0.0673	0.2916	3.4020	5.5600e-003		8.9700e-003	8.9700e-003		8.9700e-003	8.9700e-003	0.0000	486.4191	486.4191	0.1562	0.0000	490.3241
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2292**	**0.2916**	**3.4020**	**5.5600e-003**		**8.9700e-003**	**8.9700e-003**		**8.9700e-003**	**8.9700e-003**	**0.0000**	**486.4191**	**486.4191**	**0.1562**	**0.0000**	**490.3241**

3.46 Plot 11 (2029) Mass Excavation - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.0294	0.0000	6.0294	1.9528	0.0000	1.9528	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8385	29.7894	19.9409	0.0504		1.1483	1.1483		1.0564	1.0564	0.0000	4,429.5534	4,429.5534	1.4326	0.0000	4,465.3686
Total	**2.8385**	**29.7894**	**19.9409**	**0.0504**	**6.0294**	**1.1483**	**7.1777**	**1.9528**	**1.0564**	**3.0092**	**0.0000**	**4,429.5534**	**4,429.5534**	**1.4326**	**0.0000**	**4,465.3686**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3515	0.0000	2.3515	0.7616	0.0000	0.7616	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6701	3.0329	22.7943	0.0504		0.0956	0.0956		0.0943	0.0943	0.0000	4,429.5482	4,429.5482	1.4326	0.0000	4,465.3633
Total	**0.6701**	**3.0329**	**22.7943**	**0.0504**	**2.3515**	**0.0956**	**2.4471**	**0.7616**	**0.0943**	**0.8559**	**0.0000**	**4,429.5482**	**4,429.5482**	**1.4326**	**0.0000**	**4,465.3633**

3.47 Plot 11 (2029) Finish Grading - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1033	0.0000	1.1033	0.5530	0.0000	0.5530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1004	0.9258	1.0225	1.4200e-003		0.0476	0.0476		0.0438	0.0438	0.0000	124.9307	124.9307	0.0404	0.0000	125.9409
Total	**0.1004**	**0.9258**	**1.0225**	**1.4200e-003**	**1.1033**	**0.0476**	**1.1509**	**0.5530**	**0.0438**	**0.5969**	**0.0000**	**124.9307**	**124.9307**	**0.0404**	**0.0000**	**125.9409**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4303	0.0000	0.4303	0.2157	0.0000	0.2157	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0174	0.0754	1.0731	1.4200e-003		2.3200e-003	2.3200e-003		2.3200e-003	2.3200e-003	0.0000	124.9306	124.9306	0.0404	0.0000	125.9407
Total	**0.0174**	**0.0754**	**1.0731**	**1.4200e-003**	**0.4303**	**2.3200e-003**	**0.4326**	**0.2157**	**2.3200e-003**	**0.2180**	**0.0000**	**124.9306**	**124.9306**	**0.0404**	**0.0000**	**125.9407**

3.48 Plot 11 (2029) Utilities - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.6928	5.2183	7.5219	0.0228		0.1978	0.1978		0.1820	0.1820	0.0000	1,996.2434	1,996.2434	0.6450	0.0000	2,012.3676

Total	**0.6928**	**5.2183**	**7.5219**	**0.0228**		**0.1978**	**0.1978**		**0.1820**	**0.1820**	**0.0000**	**1,996.2434**	**1,996.2434**	**0.6450**	**0.0000**	**2,012.3676**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2929	1.6665	11.8329	0.0228		0.0381	0.0381		0.0381	0.0381	0.0000	1,996.2410	1,996.2410	0.6450	0.0000	2,012.3652
Total	**0.2929**	**1.6665**	**11.8329**	**0.0228**		**0.0381**	**0.0381**		**0.0381**	**0.0381**	**0.0000**	**1,996.2410**	**1,996.2410**	**0.6450**	**0.0000**	**2,012.3652**

3.49 Plot 11 (2029) Building-Concrete - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1399	1.2909	2.0671	3.1700e-003		0.0529	0.0529		0.0502	0.0502	0.0000	273.8035	273.8035	0.0608	0.0000	275.3241
Total	**0.1399**	**1.2909**	**2.0671**	**3.1700e-003**		**0.0529**	**0.0529**		**0.0502**	**0.0502**	**0.0000**	**273.8035**	**273.8035**	**0.0608**	**0.0000**	**275.3241**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0445	0.2112	2.2010	3.1700e-003		6.9800e-003	6.9800e-003		6.9800e-003	6.9800e-003	0.0000	273.8032	273.8032	0.0608	0.0000	275.3238
Total	**0.0445**	**0.2112**	**2.2010**	**3.1700e-003**		**6.9800e-003**	**6.9800e-003**		**6.9800e-003**	**6.9800e-003**	**0.0000**	**273.8032**	**273.8032**	**0.0608**	**0.0000**	**275.3238**

3.50 Plot 11 (2029) Building-Wet Utilities - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3377	2.7195	5.0272	9.1100e-003		0.1210	0.1210		0.1114	0.1114	0.0000	799.9783	799.9783	0.2587	0.0000	806.4465
Total	**0.3377**	**2.7195**	**5.0272**	**9.1100e-003**		**0.1210**	**0.1210**		**0.1114**	**0.1114**	**0.0000**	**799.9783**	**799.9783**	**0.2587**	**0.0000**	**806.4465**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1119	0.4848	6.1139	9.1100e-003		0.0149	0.0149		0.0149	0.0149	0.0000	799.9774	799.9774	0.2587	0.0000	806.4456
Total	**0.1119**	**0.4848**	**6.1139**	**9.1100e-003**		**0.0149**	**0.0149**		**0.0149**	**0.0149**	**0.0000**	**799.9774**	**799.9774**	**0.2587**	**0.0000**	**806.4456**

3.51 Plot 11 (2029) Building-Electrical - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1936	1.7838	2.6606	3.6700e-003		0.0709	0.0709		0.0653	0.0653	0.0000	320.8319	320.8319	0.1031	0.0000	323.4095
Total	**0.1936**	**1.7838**	**2.6606**	**3.6700e-003**		**0.0709**	**0.0709**		**0.0653**	**0.0653**	**0.0000**	**320.8319**	**320.8319**	**0.1031**	**0.0000**	**323.4095**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0574	0.6463	2.7475	3.6700e-003		6.6800e-003	6.6800e-003		6.6800e-003	6.6800e-003	0.0000	320.8315	320.8315	0.1031	0.0000	323.4091
Total	**0.0574**	**0.6463**	**2.7475**	**3.6700e-003**		**6.6800e-003**	**6.6800e-003**		**6.6800e-003**	**6.6800e-003**	**0.0000**	**320.8315**	**320.8315**	**0.1031**	**0.0000**	**323.4091**

3.52 Plot 11 (2029) Building-Landscaping - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.1475	1.2356	2.0869	3.0100e-003		0.0536	0.0536		0.0494	0.0494	0.0000	264.3977	264.3977	0.0855	0.0000	266.5355
Total	**0.1475**	**1.2356**	**2.0869**	**3.0100e-003**		**0.0536**	**0.0536**		**0.0494**	**0.0494**	**0.0000**	**264.3977**	**264.3977**	**0.0855**	**0.0000**	**266.5355**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0744	0.8019	2.2781	3.0100e-003		0.0135	0.0135		0.0128	0.0128	0.0000	264.3974	264.3974	0.0855	0.0000	266.5351
Total	**0.0744**	**0.8019**	**2.2781**	**3.0100e-003**		**0.0135**	**0.0135**		**0.0128**	**0.0128**	**0.0000**	**264.3974**	**264.3974**	**0.0855**	**0.0000**	**266.5351**

3.53 Plot 11 (2029) Landscaping - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1584	1.3161	2.2695	3.2900e-003		0.0578	0.0578		0.0532	0.0532	0.0000	289.0968	289.0968	0.0935	0.0000	291.4343
Total	**0.1584**	**1.3161**	**2.2695**	**3.2900e-003**		**0.0578**	**0.0578**		**0.0532**	**0.0532**	**0.0000**	**289.0968**	**289.0968**	**0.0935**	**0.0000**	**291.4343**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0778	0.8169	2.4914	3.2900e-003		0.0140	0.0140		0.0133	0.0133	0.0000	289.0965	289.0965	0.0935	0.0000	291.4340
Total	**0.0778**	**0.8169**	**2.4914**	**3.2900e-003**		**0.0140**	**0.0140**		**0.0133**	**0.0133**	**0.0000**	**289.0965**	**289.0965**	**0.0935**	**0.0000**	**291.4340**

3.54 Plot 11 (2029) Temporary Utilities - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0811	0.7998	0.6808	1.8100e-003		0.0326	0.0326		0.0300	0.0300	0.0000	158.9682	158.9682	0.0514	0.0000	160.2535
Total	**0.0811**	**0.7998**	**0.6808**	**1.8100e-003**		**0.0326**	**0.0326**		**0.0300**	**0.0300**	**0.0000**	**158.9682**	**158.9682**	**0.0514**	**0.0000**	**160.2535**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0223	0.0965	0.8168	1.8100e-003		2.9700e-003	2.9700e-003		2.9700e-003	2.9700e-003	0.0000	158.9680	158.9680	0.0514	0.0000	160.2533

Total	**0.0223**	**0.0965**	**0.8168**	**1.8100e-003**		**2.9700e-003**	**2.9700e-003**		**2.9700e-003**	**2.9700e-003**	**0.0000**	**158.9680**	**158.9680**	**0.0514**	**0.0000**	**160.2533**

3.55 Plot 11 (2029) Curbing/Drive Approaches - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0709	0.6559	1.1124	1.6700e-003		0.0307	0.0307		0.0283	0.0283	0.0000	146.0028	146.0028	0.0467	0.0000	147.1710
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2328**	**0.6559**	**1.1124**	**1.6700e-003**		**0.0307**	**0.0307**		**0.0283**	**0.0283**	**0.0000**	**146.0028**	**146.0028**	**0.0467**	**0.0000**	**147.1710**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0265	0.2504	1.2553	1.6700e-003		3.3800e-003	3.3800e-003		3.3800e-003	3.3800e-003	0.0000	146.0026	146.0026	0.0467	0.0000	147.1708
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1884**	**0.2504**	**1.2553**	**1.6700e-003**		**3.3800e-003**	**3.3800e-003**		**3.3800e-003**	**3.3800e-003**	**0.0000**	**146.0026**	**146.0026**	**0.0467**	**0.0000**	**147.1708**

3.56 Plot 11 (2029) Paving - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2394	2.2441	2.9328	5.5800e-003		0.0963	0.0963		0.0888	0.0888	0.0000	488.2905	488.2905	0.1568	0.0000	492.2106
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.4013**	**2.2441**	**2.9328**	**5.5800e-003**		**0.0963**	**0.0963**		**0.0888**	**0.0888**	**0.0000**	**488.2905**	**488.2905**	**0.1568**	**0.0000**	**492.2106**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0675	0.2927	3.4151	5.5800e-003		9.0100e-003	9.0100e-003		9.0100e-003	9.0100e-003	0.0000	488.2899	488.2899	0.1568	0.0000	492.2100
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2295**	**0.2927**	**3.4151**	**5.5800e-003**		**9.0100e-003**	**9.0100e-003**		**9.0100e-003**	**9.0100e-003**	**0.0000**	**488.2899**	**488.2899**	**0.1568**	**0.0000**	**492.2100**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Total					

4.3 Trip Type Information

	Miles	Trip %	Trip Purpose %

Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	31,129.4424	31,129.4424	1.2852	0.2659	31,240.8089
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	31,129.4424	31,129.4424	1.2852	0.2659	31,240.8089
NaturalGas Mitigated	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	4,398.1384	4,398.1384	0.0843	0.0806	4,424.2743
NaturalGas Unmitigated	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	4,398.1384	4,398.1384	0.0843	0.0806	4,424.2743

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	8.2418e+007	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	4,398.1384	4,398.1384	0.0843	0.0806	4,424.2743

Total		**0.4444**	**4.0401**	**3.3937**	**0.0242**		**0.3071**	**0.3071**		**0.3071**	**0.3071**	**0.0000**	**4,398.1384**	**4,398.1384**	**0.0843**	**0.0806**	**4,424.2743**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	8.2418e+007	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	4,398.1384	4,398.1384	0.0843	0.0806	4,424.2743
Total		**0.4444**	**4.0401**	**3.3937**	**0.0242**		**0.3071**	**0.3071**		**0.3071**	**0.3071**	**0.0000**	**4,398.1384**	**4,398.1384**	**0.0843**	**0.0806**	**4,424.2743**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	1.88441e+006	600.4120	0.0248	5.1300e-003	602.5600
Unrefrigerated Warehouse-No	9.5816e+007	30,529.0304	1.2604	0.2608	30,638.2489
Total		**31,129.4424**	**1.2852**	**0.2659**	**31,240.8089**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e

Land Use	kWh/yr	MT/yr			
Parking Lot	1.88441e+006	600.4120	0.0248	5.1300e-003	602.5600
Unrefrigerated Warehouse-No	9.5816e+007	30,529.0304	1.2604	0.2608	30,638.2489
Total		**31,129.4424**	**1.2852**	**0.2659**	**31,240.8089**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	165.9964	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758
Unmitigated	165.9964	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	18.8930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	147.0561					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Landscaping	0.0473	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758
Total	**165.9963**	**4.6400e-003**	**0.5164**	**4.0000e-005**		**1.8300e-003**	**1.8300e-003**		**1.8300e-003**	**1.8300e-003**	**0.0000**	**1.0107**	**1.0107**	**2.6000e-003**	**0.0000**	**1.0758**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	18.8930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	147.0561					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0473	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758
Total	**165.9963**	**4.6400e-003**	**0.5164**	**4.0000e-005**		**1.8300e-003**	**1.8300e-003**		**1.8300e-003**	**1.8300e-003**	**0.0000**	**1.0107**	**1.0107**	**2.6000e-003**	**0.0000**	**1.0758**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	41,930.3775	307.5407	7.5564	51,870.7141
Unmitigated	41,930.3775	307.5407	7.5564	51,870.7141

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	9388.75 / 0	41,930.3775	307.5407	7.5564	51,870.7141
Total		**41,930.3775**	**307.5407**	**7.5564**	**51,870.7141**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	9388.75 / 0	41,930.3775	307.5407	7.5564	51,870.7141
Total		**41,930.3775**	**307.5407**	**7.5564**	**51,870.7141**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	7,746.9471	457.8315	0.0000	19,192.7336
Unmitigated	7,746.9471	457.8315	0.0000	19,192.7336

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	38164	7,746.9471	457.8315	0.0000	19,192.7336
Total		**7,746.9471**	**457.8315**	**0.0000**	**19,192.7336**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	38164	7,746.9471	457.8315	0.0000	19,192.7336
Total		**7,746.9471**	**457.8315**	**0.0000**	**19,192.7336**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Plots 11, 12, 21, and 22

World Logistics Center
Construction Emissions - GHG (Mitigated)

MITIGATED

Year	On-Site Offroad Equipment	Onsite Mobile	Offsite Mobile	Total
	MT/yr			
2030	10,547	82	1,639	12,268
2031	8,812	75	1,675	10,561
2032	8,109	85	1,753	9,947
2033	5,691	82	1,891	7,664
2034	5,552	65	1,510	7,126

ONSITE Mobile Emissions			CO2	CH4	N2O	CO2e
PhaseName	CalEEMod Phase Name		MT/yr			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030		4.37	0.12	0.00	7.44
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030		1.23	0.03	0.00	1.96
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030		9.50	0.32	0.00	18.01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030		1.21	0.08	0.00	3.18
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030		9.38	0.03	0.00	10.88
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030		8.88	0.19	0.00	14.59
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030		8.90	0.08	0.00	11.75
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030		3.12	0.00	0.00	3.61
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030		1.32	0.09	0.00	3.61
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030		2.03	0.08	0.00	4.03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030		1.27	0.05	0.00	2.60
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031		4.34	0.11	0.00	7.39
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031		1.16	0.03	0.00	1.87
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031		10.08	0.31	0.00	18.59
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031		5.39	0.03	0.00	6.25
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031		7.48	0.03	0.00	8.68
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031		7.72	0.08	0.00	10.37
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031		2.63	0.09	0.00	5.11
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031		2.72	0.08	0.00	4.91
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031		2.30	0.00	0.00	2.67
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031		3.16	0.05	0.00	4.78
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031		2.00	0.08	0.00	3.96
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032		6.68	0.15	0.00	10.88
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032		1.21	0.06	0.00	2.67
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032		7.20	0.18	0.00	12.31
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032		5.65	0.11	0.00	8.53
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032		4.43	0.19	0.00	9.32
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032		5.24	0.07	0.00	7.64
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032		4.59	0.06	0.00	6.35
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032		4.70	0.19	0.00	9.72
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032		4.53	0.00	0.00	5.27
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032		2.65	0.06	0.00	4.31
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032		5.32	0.07	0.00	7.87
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033		5.94	0.18	0.00	10.77
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033		4.23	0.09	0.00	6.92
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033		1.20	0.05	0.00	2.48
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033		7.50	0.18	0.00	12.60
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033		6.04	0.18	0.00	11.14
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033		3.40	0.07	0.00	5.63
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033		8.66	0.02	0.00	10.08
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033		1.30	0.00	0.00	1.52
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033		9.52	0.31	0.00	17.78
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033		2.23	0.00	0.00	2.60
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034		4.78	0.07	0.00	6.91
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034		1.11	0.07	0.00	2.97
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034		4.58	0.14	0.00	8.24
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034		4.53	0.18	0.00	9.11
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034		4.53	0.18	0.00	9.11
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034		5.48	0.10	0.00	8.28
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034		3.93	0.18	0.00	8.63
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034		2.64	0.07	0.00	4.56
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034		3.17	0.05	0.00	4.67
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034		1.43	0.02	0.00	2.10
		2030	51.20	1.05	0.01	81.65
		2031	48.98	0.87	0.01	74.59
		2032	52.21	1.14	0.01	84.87
		2033	50.02	1.09	0.01	81.52
		2034	36.18	1.07	0.01	64.58

Worker Running Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission Factor (g/mile)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	10	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	25	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	15	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	10	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	25	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	10	0.5	6.73E-03	2.95E-02	5.56E-01	2.33E-03	1.89E+02	1.17E-03	1.89E+02	1.88E+01	1.08E-03	1.88E+01	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	0.5	6.07E-03	2.72E-02	5.35E-01	2.29E-03	1.89E+02	1.10E-03	1.89E+02	1.88E+01	1.01E-03	1.88E+01	2.31E+02	1.64E-03	3.66E-03
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	12.5	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	37.5	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	17.5	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	25	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	12.5	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	17.5	0.5	5.48E-03	2.53E-02	5.16E-01	2.25E-03	1.89E+02	1.03E-03	1.89E+02	1.88E+01	9.48E-04	1.88E+01	2.27E+02	1.51E-03	3.54E-03
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	50	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	10	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	10	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	50	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	25	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	15	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	25	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	40	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	0.5	4.96E-03	2.37E-02	4.99E-01	2.21E-03	1.89E+02	9.67E-04	1.89E+02	1.88E+01	8.90E-04	1.88E+01	2.24E+02	1.39E-03	3.45E-03
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	15	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	10	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	50	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	25	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	25	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	37.5	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	25	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	15	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	17.5	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	12.5	0.5	4.50E-03	2.24E-02	4.83E-01	2.18E-03	1.89E+02	9.08E-04	1.89E+02	1.88E+01	8.36E-04	1.88E+01	2.21E+02	1.28E-03	3.37E-03

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	0.5	3.71E-04	1.63E-03	3.06E-02	1.28E-04	1.04E+01	6.46E-05	1.04E+01	1.04E+00	5.95E-05	1.04E+00	1.30E+01	9.88E-05	2.09E-04
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	0.5	1.11E-04	4.88E-04	9.19E-03	3.85E-05	3.12E+00	1.94E-05	3.12E+00	3.12E-01	1.78E-05	3.12E-01	3.89E+00	2.96E-05	6.26E-05
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	0.5	2.97E-04	1.30E-03	2.45E-02	1.03E-04	8.33E+00	5.17E-05	8.33E+00	8.31E-01	4.76E-05	8.31E-01	1.04E+01	7.90E-05	1.67E-04
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	10	0.5	7.42E-05	3.25E-04	6.13E-03	2.57E-05	2.08E+00	1.29E-05	2.08E+00	2.08E-01	1.19E-05	2.08E-01	2.60E+00	1.98E-05	4.18E-05
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	0.5	1.85E-04	8.13E-04	1.53E-02	6.42E-05	5.20E+00	3.23E-05	5.20E+00	5.19E-01	2.97E-05	5.19E-01	6.49E+00	4.94E-05	1.04E-04
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	25	0.5	1.85E-04	8.13E-04	1.53E-02	6.42E-05	5.20E+00	3.23E-05	5.20E+00	5.19E-01	2.97E-05	5.19E-01	6.49E+00	4.94E-05	1.04E-04
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	15	0.5	1.11E-04	4.88E-04	9.19E-03	3.85E-05	3.12E+00	1.94E-05	3.12E+00	3.12E-01	1.78E-05	3.12E-01	3.89E+00	2.96E-05	6.26E-05
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	10	0.5	7.42E-05	3.25E-04	6.13E-03	2.57E-05	2.08E+00	1.29E-05	2.08E+00	2.08E-01	1.19E-05	2.08E-01	2.60E+00	1.98E-05	4.18E-05
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	25	0.5	1.85E-04	8.13E-04	1.53E-02	6.42E-05	5.20E+00	3.23E-05	5.20E+00	5.19E-01	2.97E-05	5.19E-01	6.49E+00	4.94E-05	1.04E-04
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	10	0.5	7.42E-05	3.25E-04	6.13E-03	2.57E-05	2.08E+00	1.29E-05	2.08E+00	2.08E-01	1.19E-05	2.08E-01	2.60E+00	1.98E-05	4.18E-05
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	0.5	3.35E-04	1.50E-03	2.95E-02	1.26E-04	1.04E+01	6.07E-05	1.04E+01	1.04E+00	5.58E-05	1.04E+00	1.27E+01	9.06E-05	2.01E-04
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	0.5	1.00E-04	4.50E-04	8.85E-03	3.78E-05	3.12E+00	1.82E-05	3.12E+00	3.12E-01	1.67E-05	3.12E-01	3.82E+00	2.72E-05	6.04E-05
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	0.5	2.68E-04	1.20E-03	2.36E-02	1.01E-04	8.33E+00	4.85E-05	8.33E+00	8.31E-01	4.47E-05	8.31E-01	1.02E+01	7.25E-05	1.61E-04
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	0.5	1.67E-04	7.50E-04	1.47E-02	6.30E-05	5.20E+00	3.03E-05	5.20E+00	5.19E-01	2.79E-05	5.19E-01	6.37E+00	4.53E-05	1.01E-04
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	0.5	1.67E-04	7.50E-04	1.47E-02	6.30E-05	5.20E+00	3.03E-05	5.20E+00	5.19E-01	2.79E-05	5.19E-01	6.37E+00	4.53E-05	1.01E-04
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	0.5	1.00E-04	4.50E-04	8.85E-03	3.78E-05	3.12E+00	1.82E-05	3.12E+00	3.12E-01	1.67E-05	3.12E-01	3.82E+00	2.72E-05	6.04E-05
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	0.5	6.69E-05	3.00E-04	5.90E-03	2.52E-05	2.08E+00	1.21E-05	2.08E+00	2.08E-01	1.12E-05	2.08E-01	2.55E+00	1.81E-05	4.03E-05
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	0.5	6.69E-05	3.00E-04	5.90E-03	2.52E-05	2.08E+00	1.21E-05	2.08E+00	2.08E-01	1.12E-05	2.08E-01	2.55E+00	1.81E-05	4.03E-05
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	0.5	6.69E-05	3.00E-04	5.90E-03	2.52E-05	2.08E+00	1.21E-05	2.08E+00	2.08E-01	1.12E-05	2.08E-01	2.55E+00	1.81E-05	4.03E-05
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	0.5	1.67E-04	7.50E-04	1.47E-02	6.30E-05	5.20E+00	3.03E-05	5.20E+00	5.19E-01	2.79E-05	5.19E-01	6.37E+00	4.53E-05	1.01E-04
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	0.5	3.02E-04	1.40E-03	2.84E-02	1.24E-04	1.04E+01	5.68E-05	1.04E+01	1.04E+00	5.23E-05	1.04E+00	1.25E+01	8.31E-05	1.95E-04
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	12.5	0.5	7.55E-05	3.49E-04	7.10E-03	3.10E-05	2.60E+00	1.42E-05	2.60E+00	2.60E-01	1.31E-05	2.60E-01	3.13E+00	2.08E-05	4.88E-05
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	0.5	1.51E-04	6.98E-04	1.42E-02	6.19E-05	5.20E+00	2.84E-05	5.20E+00	5.19E-01	2.61E-05	5.19E-01	6.26E+00	4.16E-05	9.76E-05
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	37.5	0.5	2.26E-04	1.05E-03	2.13E-02	9.29E-05	7.81E+00	4.26E-05	7.81E+00	7.79E-01	3.92E-05	7.79E-01	9.39E+00	6.23E-05	1.46E-04
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	0.5	1.51E-04	6.98E-04	1.42E-02	6.19E-05	5.20E+00	2.84E-05	5.20E+00	5.19E-01	2.61E-05	5.19E-01	6.26E+00	4.16E-05	9.76E-05
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	0.5	9.05E-05	4.19E-04	8.52E-03	3.72E-05	3.12E+00	1.70E-05	3.12E+00	3.12E-01	1.57E-05	3.12E-01	3.76E+00	2.49E-05	5.86E-05
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	17.5	0.5	1.06E-04	4.88E-04	9.94E-03	4.33E-05	3.64E+00	1.99E-05	3.64E+00	3.63E-01	1.83E-05	3.63E-01	4.38E+00	2.91E-05	6.83E-05
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	25	0.5	1.51E-04	6.98E-04	1.42E-02	6.19E-05	5.20E+00	2.84E-05	5.20E+00	5.19E-01	2.61E-05	5.19E-01	6.26E+00	4.16E-05	9.76E-05
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	12.5	0.5	7.55E-05	3.49E-04	7.10E-03	3.10E-05	2.60E+00	1.42E-05	2.60E+00	2.60E-01	1.31E-05	2.60E-01	3.13E+00	2.08E-05	4.88E-05
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	17.5	0.5	1.06E-04	4.88E-04	9.94E-03	4.33E-05	3.64E+00	1.99E-05	3.64E+00	3.63E-01	1.83E-05	3.63E-01	4.38E+00	2.91E-05	6.83E-05
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	50	0.5	2.74E-04	1.31E-03	2.75E-02	1.22E-04	1.04E+01	5.33E-05	1.04E+01	1.04E+00	4.90E-05	1.04E+00	1.23E+01	7.67E-05	1.90E-04
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	10	0.5	5.47E-05	2.62E-04	5.50E-03	2.44E-05	2.08E+00	1.07E-05	2.08E+00	2.08E-01	9.81E-06	2.08E-01	2.46E+00	1.53E-05	3.80E-05
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	10	0.5	5.47E-05	2.62E-04	5.50E-03	2.44E-05	2.08E+00	1.07E-05	2.08E+00	2.08E-01	9.81E-06	2.08E-01	2.46E+00	1.53E-05	3.80E-05
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	50	0.5	2.74E-04	1.31E-03	2.75E-02	1.22E-04	1.04E+01	5.33E-05	1.04E+01	1.04E+00	4.90E-05	1.04E+00	1.23E+01	7.67E-05	1.90E-04
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	25	0.5	1.37E-04	6.54E-04	1.37E-02	6.10E-05	5.20E+00	2.66E-05	5.20E+00	5.19E-01	2.45E-05	5.19E-01	6.16E+00	3.83E-05	9.50E-05
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	15	0.5	8.21E-05	3.92E-04	8.25E-03	3.66E-05	3.12E+00	1.60E-05	3.12E+00	3.12E-01	1.47E-05	3.12E-01	3.70E+00	2.30E-05	5.70E-05
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	25	0.5	1.37E-04	6.54E-04	1.37E-02	6.10E-05	5.20E+00	2.66E-05	5.20E+00	5.19E-01	2.45E-05	5.19E-01	6.16E+00	3.83E-05	9.50E-05
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	40	0.5	2.19E-04	1.05E-03	2.20E-02	9.75E-05	8.33E+00	4.26E-05	8.33E+00	8.31E-01	3.92E-05	8.31E-01	9.86E+00	6.13E-05	1.52E-04
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	15	0.5	7.44E-05	3.71E-04	7.99E-03	3.61E-05	3.12E+00	1.50E-05	3.12E+00	3.12E-01	1.38E-05	3.12E-01	3.65E+00	2.12E-05	5.57E-05
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	10	0.5	4.96E-05	2.47E-04	5.33E-03	2.40E-05	2.08E+00	1.00E-05	2.08E+00	2.08E-01	9.21E-06	2.08E-01	2.43E+00	1.42E-05	3.71E-05
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	50	0.5	2.48E-04	1.24E-03	2.66E-02	1.20E-04	1.04E+01	5.01E-05	1.04E+01	1.04E+00	4.61E-05	1.04E+00	1.22E+01	7.08E-05	1.86E-04
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	25	0.5	1.24E-04	6.18E-04	1.33E-02	6.01E-05	5.20E+00	2.50E-05	5.20E+00	5.19E-01	2.30E-05	5.19E-01	6.08E+00	3.54E-05	9.29E-05
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	25	0.5	1.24E-04	6.18E-04	1.33E-02	6.01E-05	5.20E+00	2.50E-05	5.20E+00	5.19E-01	2.30E-05	5.19E-01	6.08E+00	3.54E-05	9.29E-05
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	37.5	0.5	1.86E-04	9.27E-04	2.00E-02	9.02E-05	7.81E+00	3.76E-05	7.81E+00	7.79E-01	3.46E-05	7.79E-01	9.12E+00	5.31E-05	1.39E-04
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	25	0.5	1.24E-04	6.18E-04	1.33E-02	6.01E-05	5.20E+00	2.50E-05	5.20E+00	5.19E-01	2.30E-05	5.19E-01	6.08E+00	3.54E-05	9.29E-05
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	15	0.5	7.44E-05	3.71E-04	7.99E-03	3.61E-05	3.12E+00	1.50E-05	3.12E+00	3.12E-01	1.38E-05	3.12E-01	3.65E+00	2.12E-05	5.57E-05
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	17.5	0.5	8.67E-05	4.32E-04	9.33E-03	4.21E-05	3.64E+00	1.75E-05	3.64E+00	3.63E-01	1.61E-05	3.63E-01	4.25E+00	2.48E-05	6.50E-05
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	12.5	0.5	6.20E-05	3.09E-04	6.66E-03	3.01E-05	2.60E+00	1.25E-05	2.60E+00	2.60E-01	1.15E-05	2.60E-01	3.04E+00	1.77E-05	4.64E-05

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
						MT/yr			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	0.5	260	1.53E+00	1.17E-05	2.46E-05	1.54E+00
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	0.5	260	4.59E-01	3.50E-06	7.39E-06	4.62E-01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	0.5	260	1.22E+00	9.32E-06	1.97E-05	1.23E+00
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	10	0.5	260	3.06E-01	2.33E-06	4.93E-06	3.08E-01
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	0.5	260	7.65E-01	5.83E-06	1.23E-05	7.69E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	25	0.5	260	7.65E-01	5.83E-06	1.23E-05	7.69E-01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	15	0.5	260	4.59E-01	3.50E-06	7.39E-06	4.62E-01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	10	0.5	260	3.06E-01	2.33E-06	4.93E-06	3.08E-01
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	25	0.5	260	7.65E-01	5.83E-06	1.23E-05	7.69E-01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	10	0.5	260	3.06E-01	2.33E-06	4.93E-06	3.08E-01
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	0.5	260	1.50E+00	1.07E-05	2.38E-05	1.51E+00
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	0.5	260	4.51E-01	3.21E-06	7.13E-06	4.53E-01
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	0.5	260	1.20E+00	8.55E-06	1.90E-05	1.21E+00
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	0.5	260	7.51E-01	5.34E-06	1.19E-05	7.55E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	0.5	260	7.51E-01	5.34E-06	1.19E-05	7.55E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	0.5	260	4.51E-01	3.21E-06	7.13E-06	4.53E-01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	0.5	260	3.00E-01	2.14E-06	4.75E-06	3.02E-01
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	0.5	260	3.00E-01	2.14E-06	4.75E-06	3.02E-01
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	0.5	260	3.00E-01	2.14E-06	4.75E-06	3.02E-01
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	0.5	260	7.51E-01	5.34E-06	1.19E-05	7.55E-01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	0.5	260	1.48E+00	9.80E-06	2.30E-05	1.48E+00
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	12.5	0.5	260	3.69E-01	2.45E-06	5.76E-06	3.71E-01
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	0.5	260	7.38E-01	4.90E-06	1.15E-05	7.42E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	37.5	0.5	260	1.11E+00	7.35E-06	1.73E-05	1.11E+00
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	0.5	260	7.38E-01	4.90E-06	1.15E-05	7.42E-01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	0.5	260	4.43E-01	2.94E-06	6.91E-06	4.45E-01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	17.5	0.5	260	5.17E-01	3.43E-06	8.06E-06	5.19E-01
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	25	0.5	260	7.38E-01	4.90E-06	1.15E-05	7.42E-01
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	12.5	0.5	260	3.69E-01	2.45E-06	5.76E-06	3.71E-01
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	17.5	0.5	260	5.17E-01	3.43E-06	8.06E-06	5.19E-01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	50	0.5	260	1.45E+00	9.04E-06	2.24E-05	1.46E+00
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	10	0.5	260	2.91E-01	1.81E-06	4.48E-06	2.92E-01
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	10	0.5	260	2.91E-01	1.81E-06	4.48E-06	2.92E-01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	50	0.5	260	1.45E+00	9.04E-06	2.24E-05	1.46E+00
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	25	0.5	260	7.27E-01	4.52E-06	1.12E-05	7.30E-01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	15	0.5	260	4.36E-01	2.71E-06	6.73E-06	4.38E-01
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	25	0.5	260	7.27E-01	4.52E-06	1.12E-05	7.30E-01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	40	0.5	260	1.16E+00	7.23E-06	1.79E-05	1.17E+00
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	15	0.5	260	4.30E-01	2.51E-06	6.57E-06	4.32E-01
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	10	0.5	260	2.87E-01	1.67E-06	4.38E-06	2.88E-01
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	50	0.5	260	1.43E+00	8.35E-06	2.19E-05	1.44E+00
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	25	0.5	260	7.17E-01	4.18E-06	1.10E-05	7.20E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	25	0.5	260	7.17E-01	4.18E-06	1.10E-05	7.20E-01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	37.5	0.5	260	1.07E+00	6.26E-06	1.64E-05	1.08E+00
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	25	0.5	260	7.17E-01	4.18E-06	1.10E-05	7.20E-01
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	15	0.5	260	4.30E-01	2.51E-06	6.57E-06	4.32E-01
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	17.5	0.5	260	5.02E-01	2.92E-06	7.67E-06	5.04E-01
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	12.5	0.5	260	3.58E-01	2.09E-06	5.48E-06	3.60E-01

Worker Starting/Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission Factor (g/trip)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	10	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	25	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	15	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	10	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	25	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	10	0.5	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	0.5	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	12.5	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	37.5	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	17.5	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	25	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	12.5	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	17.5	0.5	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	50	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	10	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	10	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	50	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	25	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	15	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	25	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	40	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	0.5	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	15	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	10	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	50	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	25	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	25	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	37.5	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	25	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	15	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	17.5	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	12.5	0.5	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	0.5	3.14E-02	7.53E-03	9.47E-02	2.56E-05	0.00E+00	7.38E-05	7.38E-05	0.00E+00	6.79E-05	6.79E-05	2.59E+00	1.80E-03	1.10E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	0.5	9.43E-03	2.26E-03	2.84E-02	7.69E-06	0.00E+00	2.21E-05	2.21E-05	0.00E+00	2.04E-05	2.04E-05	7.77E-01	5.39E-04	3.31E-04
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	0.5	2.52E-02	6.03E-03	7.58E-02	2.05E-05	0.00E+00	5.90E-05	5.90E-05	0.00E+00	5.43E-05	5.43E-05	2.07E+00	1.44E-03	8.82E-04
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	10	0.5	6.29E-03	1.51E-03	1.89E-02	5.13E-06	0.00E+00	1.48E-05	1.48E-05	0.00E+00	1.36E-05	1.36E-05	5.18E-01	3.59E-04	2.21E-04
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	0.5	1.57E-02	3.77E-03	4.74E-02	1.28E-05	0.00E+00	3.69E-05	3.69E-05	0.00E+00	3.39E-05	3.39E-05	1.30E+00	8.98E-04	5.51E-04
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	25	0.5	1.57E-02	3.77E-03	4.74E-02	1.28E-05	0.00E+00	3.69E-05	3.69E-05	0.00E+00	3.39E-05	3.39E-05	1.30E+00	8.98E-04	5.51E-04
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	15	0.5	9.43E-03	2.26E-03	2.84E-02	7.69E-06	0.00E+00	2.21E-05	2.21E-05	0.00E+00	2.04E-05	2.04E-05	7.77E-01	5.39E-04	3.31E-04
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	10	0.5	6.29E-03	1.51E-03	1.89E-02	5.13E-06	0.00E+00	1.48E-05	1.48E-05	0.00E+00	1.36E-05	1.36E-05	5.18E-01	3.59E-04	2.21E-04
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	25	0.5	1.57E-02	3.77E-03	4.74E-02	1.28E-05	0.00E+00	3.69E-05	3.69E-05	0.00E+00	3.39E-05	3.39E-05	1.30E+00	8.98E-04	5.51E-04
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	10	0.5	6.29E-03	1.51E-03	1.89E-02	5.13E-06	0.00E+00	1.48E-05	1.48E-05	0.00E+00	1.36E-05	1.36E-05	5.18E-01	3.59E-04	2.21E-04
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	0.5	2.95E-02	7.24E-03	9.24E-02	2.51E-05	0.00E+00	6.95E-05	6.95E-05	0.00E+00	6.39E-05	6.39E-05	2.53E+00	1.69E-03	1.08E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	0.5	8.86E-03	2.17E-03	2.77E-02	7.52E-06	0.00E+00	2.08E-05	2.08E-05	0.00E+00	1.92E-05	1.92E-05	7.60E-01	5.07E-04	3.23E-04
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	0.5	2.36E-02	5.79E-03	7.39E-02	2.01E-05	0.00E+00	5.56E-05	5.56E-05	0.00E+00	5.11E-05	5.11E-05	2.03E+00	1.35E-03	8.62E-04
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	0.5	1.48E-02	3.62E-03	4.62E-02	1.25E-05	0.00E+00	3.47E-05	3.47E-05	0.00E+00	3.19E-05	3.19E-05	1.27E+00	8.44E-04	5.39E-04
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	0.5	1.48E-02	3.62E-03	4.62E-02	1.25E-05	0.00E+00	3.47E-05	3.47E-05	0.00E+00	3.19E-05	3.19E-05	1.27E+00	8.44E-04	5.39E-04
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	0.5	8.86E-03	2.17E-03	2.77E-02	7.52E-06	0.00E+00	2.08E-05	2.08E-05	0.00E+00	1.92E-05	1.92E-05	7.60E-01	5.07E-04	3.23E-04
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	0.5	5.90E-03	1.45E-03	1.85E-02	5.02E-06	0.00E+00	1.39E-05	1.39E-05	0.00E+00	1.28E-05	1.28E-05	5.07E-01	3.38E-04	2.16E-04
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	0.5	5.90E-03	1.45E-03	1.85E-02	5.02E-06	0.00E+00	1.39E-05	1.39E-05	0.00E+00	1.28E-05	1.28E-05	5.07E-01	3.38E-04	2.16E-04
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	0.5	5.90E-03	1.45E-03	1.85E-02	5.02E-06	0.00E+00	1.39E-05	1.39E-05	0.00E+00	1.28E-05	1.28E-05	5.07E-01	3.38E-04	2.16E-04
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	0.5	1.48E-02	3.62E-03	4.62E-02	1.25E-05	0.00E+00	3.47E-05	3.47E-05	0.00E+00	3.19E-05	3.19E-05	1.27E+00	8.44E-04	5.39E-04
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	0.5	2.78E-02	7.00E-03	9.03E-02	2.46E-05	0.00E+00	6.54E-05	6.54E-05	0.00E+00	6.01E-05	6.01E-05	2.48E+00	1.59E-03	1.06E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	12.5	0.5	6.95E-03	1.75E-03	2.26E-02	6.15E-06	0.00E+00	1.63E-05	1.63E-05	0.00E+00	1.50E-05	1.50E-05	6.21E-01	3.98E-04	2.64E-04
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	0.5	1.39E-02	3.50E-03	4.51E-02	1.23E-05	0.00E+00	3.27E-05	3.27E-05	0.00E+00	3.01E-05	3.01E-05	1.24E+00	7.97E-04	5.29E-04
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	37.5	0.5	2.09E-02	5.25E-03	6.77E-02	1.84E-05	0.00E+00	4.90E-05	4.90E-05	0.00E+00	4.51E-05	4.51E-05	1.86E+00	1.20E-03	7.93E-04
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	0.5	1.39E-02	3.50E-03	4.51E-02	1.23E-05	0.00E+00	3.27E-05	3.27E-05	0.00E+00	3.01E-05	3.01E-05	1.24E+00	7.97E-04	5.29E-04
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	0.5	8.34E-03	2.10E-03	2.71E-02	7.38E-06	0.00E+00	1.96E-05	1.96E-05	0.00E+00	1.80E-05	1.80E-05	7.45E-01	4.78E-04	3.17E-04
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	17.5	0.5	9.73E-03	2.45E-03	3.16E-02	8.61E-06	0.00E+00	2.29E-05	2.29E-05	0.00E+00	2.10E-05	2.10E-05	8.70E-01	5.58E-04	3.70E-04
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	25	0.5	1.39E-02	3.50E-03	4.51E-02	1.23E-05	0.00E+00	3.27E-05	3.27E-05	0.00E+00	3.01E-05	3.01E-05	1.24E+00	7.97E-04	5.29E-04
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	12.5	0.5	6.95E-03	1.75E-03	2.26E-02	6.15E-06	0.00E+00	1.63E-05	1.63E-05	0.00E+00	1.50E-05	1.50E-05	6.21E-01	3.98E-04	2.64E-04
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	17.5	0.5	9.73E-03	2.45E-03	3.16E-02	8.61E-06	0.00E+00	2.29E-05	2.29E-05	0.00E+00	2.10E-05	2.10E-05	8.70E-01	5.58E-04	3.70E-04
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	50	0.5	2.63E-02	6.80E-03	8.84E-02	2.41E-05	0.00E+00	6.16E-05	6.16E-05	0.00E+00	5.66E-05	5.66E-05	2.44E+00	1.51E-03	1.04E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	10	0.5	5.25E-03	1.36E-03	1.77E-02	4.83E-06	0.00E+00	1.23E-05	1.23E-05	0.00E+00	1.13E-05	1.13E-05	4.88E-01	3.02E-04	2.08E-04
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	10	0.5	5.25E-03	1.36E-03	1.77E-02	4.83E-06	0.00E+00	1.23E-05	1.23E-05	0.00E+00	1.13E-05	1.13E-05	4.88E-01	3.02E-04	2.08E-04
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	50	0.5	2.63E-02	6.80E-03	8.84E-02	2.41E-05	0.00E+00	6.16E-05	6.16E-05	0.00E+00	5.66E-05	5.66E-05	2.44E+00	1.51E-03	1.04E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	25	0.5	1.31E-02	3.40E-03	4.42E-02	1.21E-05	0.00E+00	3.08E-05	3.08E-05	0.00E+00	2.83E-05	2.83E-05	1.22E+00	7.55E-04	5.20E-04
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	15	0.5	7.88E-03	2.04E-03	2.65E-02	7.24E-06	0.00E+00	1.85E-05	1.85E-05	0.00E+00	1.70E-05	1.70E-05	7.32E-01	4.53E-04	3.12E-04
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	25	0.5	1.31E-02	3.40E-03	4.42E-02	1.21E-05	0.00E+00	3.08E-05	3.08E-05	0.00E+00	2.83E-05	2.83E-05	1.22E+00	7.55E-04	5.20E-04
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	40	0.5	2.10E-02	5.44E-03	7.07E-02	1.93E-05	0.00E+00	4.93E-05	4.93E-05	0.00E+00	4.53E-05	4.53E-05	1.95E+00	1.21E-03	8.33E-04
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	15	0.5	7.46E-03	1.99E-03	2.60E-02	7.13E-06	0.00E+00	1.74E-05	1.74E-05	0.00E+00	1.60E-05	1.60E-05	7.20E-01	4.30E-04	3.08E-04
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	10	0.5	4.98E-03	1.33E-03	1.73E-02	4.75E-06	0.00E+00	1.16E-05	1.16E-05	0.00E+00	1.07E-05	1.07E-05	4.80E-01	2.87E-04	2.05E-04
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	50	0.5	2.49E-02	6.64E-03	8.66E-02	2.38E-05	0.00E+00	5.80E-05	5.80E-05	0.00E+00	5.34E-05	5.34E-05	2.40E+00	1.43E-03	1.03E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	25	0.5	1.24E-02	3.32E-03	4.33E-02	1.19E-05	0.00E+00	2.90E-05	2.90E-05	0.00E+00	2.67E-05	2.67E-05	1.20E+00	7.16E-04	5.13E-04
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	25	0.5	1.24E-02	3.32E-03	4.33E-02	1.19E-05	0.00E+00	2.90E-05	2.90E-05	0.00E+00	2.67E-05	2.67E-05	1.20E+00	7.16E-04	5.13E-04
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	37.5	0.5	1.87E-02	4.98E-03	6.50E-02	1.78E-05	0.00E+00	4.35E-05	4.35E-05	0.00E+00	4.00E-05	4.00E-05	1.80E+00	1.07E-03	7.70E-04
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	25	0.5	1.24E-02	3.32E-03	4.33E-02	1.19E-05	0.00E+00	2.90E-05	2.90E-05	0.00E+00	2.67E-05	2.67E-05	1.20E+00	7.16E-04	5.13E-04
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	15	0.5	7.46E-03	1.99E-03	2.60E-02	7.13E-06	0.00E+00	1.74E-05	1.74E-05	0.00E+00	1.60E-05	1.60E-05	7.20E-01	4.30E-04	3.08E-04
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	17.5	0.5	8.71E-03	2.32E-03	3.03E-02	8.31E-06	0.00E+00	2.03E-05	2.03E-05	0.00E+00	1.87E-05	1.87E-05	8.40E-01	5.01E-04	3.59E-04
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	12.5	0.5	6.22E-03	1.66E-03	2.17E-02	5.94E-06	0.00E+00	1.45E-05	1.45E-05	0.00E+00	1.33E-05	1.33E-05	6.00E-01	3.58E-04	2.57E-04

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
						MT/yr			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	0.5	260	3.05E-01	2.12E-04	1.30E-04	3.50E-01
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	0.5	260	9.16E-02	6.35E-05	3.90E-05	1.05E-01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	0.5	260	2.44E-01	1.69E-04	1.04E-04	2.80E-01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	10	0.5	260	6.11E-02	4.24E-05	2.60E-05	6.99E-02
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	0.5	260	1.53E-01	1.06E-04	6.50E-05	1.75E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	25	0.5	260	1.53E-01	1.06E-04	6.50E-05	1.75E-01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	15	0.5	260	9.16E-02	6.35E-05	3.90E-05	1.05E-01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	10	0.5	260	6.11E-02	4.24E-05	2.60E-05	6.99E-02
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	25	0.5	260	1.53E-01	1.06E-04	6.50E-05	1.75E-01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	10	0.5	260	6.11E-02	4.24E-05	2.60E-05	6.99E-02
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	0.5	260	2.99E-01	1.99E-04	1.27E-04	3.42E-01
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	0.5	260	8.97E-02	5.97E-05	3.81E-05	1.03E-01
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	0.5	260	2.39E-01	1.59E-04	1.02E-04	2.73E-01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	0.5	260	1.49E-01	9.96E-05	6.36E-05	1.71E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	0.5	260	1.49E-01	9.96E-05	6.36E-05	1.71E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	0.5	260	8.97E-02	5.97E-05	3.81E-05	1.03E-01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	0.5	260	5.98E-02	3.98E-05	2.54E-05	6.84E-02
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	0.5	260	5.98E-02	3.98E-05	2.54E-05	6.84E-02
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	0.5	260	5.98E-02	3.98E-05	2.54E-05	6.84E-02
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	0.5	260	1.49E-01	9.96E-05	6.36E-05	1.71E-01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	0.5	260	2.93E-01	1.88E-04	1.25E-04	3.35E-01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	12.5	0.5	260	7.33E-02	4.70E-05	3.12E-05	8.37E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	0.5	260	1.47E-01	9.40E-05	6.24E-05	1.67E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	37.5	0.5	260	2.20E-01	1.41E-04	9.35E-05	2.51E-01
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	0.5	260	1.47E-01	9.40E-05	6.24E-05	1.67E-01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	0.5	260	8.79E-02	5.64E-05	3.74E-05	1.00E-01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	17.5	0.5	260	1.03E-01	6.58E-05	4.37E-05	1.17E-01
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	25	0.5	260	1.47E-01	9.40E-05	6.24E-05	1.67E-01
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	12.5	0.5	260	7.33E-02	4.70E-05	3.12E-05	8.37E-02
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	17.5	0.5	260	1.03E-01	6.58E-05	4.37E-05	1.17E-01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	50	0.5	260	2.88E-01	1.78E-04	1.23E-04	3.29E-01
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	10	0.5	260	5.76E-02	3.56E-05	2.45E-05	6.58E-02
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	10	0.5	260	5.76E-02	3.56E-05	2.45E-05	6.58E-02
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	50	0.5	260	2.88E-01	1.78E-04	1.23E-04	3.29E-01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	25	0.5	260	1.44E-01	8.90E-05	6.14E-05	1.64E-01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	15	0.5	260	8.63E-02	5.34E-05	3.68E-05	9.86E-02
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	25	0.5	260	1.44E-01	8.90E-05	6.14E-05	1.64E-01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	40	0.5	260	2.30E-01	1.42E-04	9.82E-05	2.63E-01
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	15	0.5	260	8.49E-02	5.07E-05	3.63E-05	9.70E-02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	10	0.5	260	5.66E-02	3.38E-05	2.42E-05	6.47E-02
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	50	0.5	260	2.83E-01	1.69E-04	1.21E-04	3.23E-01
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	25	0.5	260	1.42E-01	8.45E-05	6.06E-05	1.62E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	25	0.5	260	1.42E-01	8.45E-05	6.06E-05	1.62E-01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	37.5	0.5	260	2.12E-01	1.27E-04	9.08E-05	2.43E-01
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	25	0.5	260	1.42E-01	8.45E-05	6.06E-05	1.62E-01
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	15	0.5	260	8.49E-02	5.07E-05	3.63E-05	9.70E-02
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	17.5	0.5	260	9.91E-02	5.91E-05	4.24E-05	1.13E-01
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	12.5	0.5	260	7.08E-02	4.22E-05	3.03E-05	8.08E-02

Vendor Running Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/mile)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	9	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	2	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	6	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	2	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	6	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	7	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	6	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	4	0.5	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.27E-02	1.89E+01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	9	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	2	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	2	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	0.5	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.02E+03	4.03E-02	1.48E-01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	12	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	4.5	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	14.5	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	8.5	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	4.5	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	15.5	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	5	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	0.5	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.24E-02	1.89E+01	1.00E+03	4.05E-02	1.45E-01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	7	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	4	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	6	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	2	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	25	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	0.5	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.23E-02	1.89E+01	9.89E+02	4.06E-02	1.43E-01
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	6	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	6	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	11.5	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	14.5	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	14.5	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.5	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	6	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	4.5	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	2	0.5	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	1.89E+02	1.21E-01	1.89E+02	1.89E+01	1.22E-02	1.89E+01	9.75E+02	4.07E-02	1.41E-01

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	9	0.5	15	1.49E-04	1.66E-02	2.92E-03	9.53E-05	1.87E+00	1.20E-03	1.88E+00	1.87E-01	1.26E-04	1.87E-01	1.03E+01	3.99E-04	1.49E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	2	0.5	15	3.32E-05	3.68E-03	6.49E-04	2.12E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.80E-05	4.16E-02	2.29E+00	8.87E-05	3.31E-04
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	0.5	15	4.15E-04	4.60E-02	8.11E-03	2.65E-04	5.21E+00	3.32E-03	5.21E+00	5.20E-01	3.51E-04	5.20E-01	2.86E+01	1.11E-03	4.14E-03
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	6	0.5	15	9.96E-05	1.10E-02	1.95E-03	6.35E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.41E-05	1.25E-01	6.87E+00	2.66E-04	9.94E-04
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	2	0.5	15	3.32E-05	3.68E-03	6.49E-04	2.12E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.80E-05	4.16E-02	2.29E+00	8.87E-05	3.31E-04
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	0.5	15	2.49E-04	2.76E-02	4.86E-03	1.59E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.10E-04	3.12E-01	1.72E+01	6.65E-04	2.48E-03
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	6	0.5	15	9.96E-05	1.10E-02	1.95E-03	6.35E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.41E-05	1.25E-01	6.87E+00	2.66E-04	9.94E-04
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	7	0.5	15	1.16E-04	1.29E-02	2.27E-03	7.41E-05	1.46E+00	9.30E-04	1.46E+00	1.46E-01	9.82E-05	1.46E-01	8.02E+00	3.10E-04	1.16E-03
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	6	0.5	15	9.96E-05	1.10E-02	1.95E-03	6.35E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.41E-05	1.25E-01	6.87E+00	2.66E-04	9.94E-04
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	4	0.5	15	6.64E-05	7.36E-03	1.30E-03	4.23E-05	8.33E-01	5.31E-04	8.33E-01	8.32E-02	5.61E-05	8.33E-02	4.58E+00	1.77E-04	6.63E-04
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	9	0.5	15	1.46E-04	1.65E-02	2.92E-03	9.35E-05	1.87E+00	1.20E-03	1.88E+00	1.87E-01	1.23E-04	1.87E-01	1.01E+01	4.00E-04	1.46E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	2	0.5	15	3.26E-05	3.66E-03	6.49E-04	2.08E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.74E-05	4.16E-02	2.25E+00	8.89E-05	3.25E-04
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	0.5	15	4.07E-04	4.58E-02	8.11E-03	2.60E-04	5.21E+00	3.32E-03	5.21E+00	5.20E-01	3.42E-04	5.20E-01	2.81E+01	1.11E-03	4.07E-03
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	0.5	15	3.26E-05	3.66E-03	6.49E-04	2.08E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.74E-05	4.16E-02	2.25E+00	8.89E-05	3.25E-04
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	2	0.5	15	3.26E-05	3.66E-03	6.49E-04	2.08E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.74E-05	4.16E-02	2.25E+00	8.89E-05	3.25E-04
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	0.5	15	9.77E-05	1.10E-02	1.95E-03	6.23E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.21E-05	1.25E-01	6.75E+00	2.67E-04	9.76E-04
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	0.5	15	1.14E-04	1.28E-02	2.27E-03	7.27E-05	1.46E+00	9.30E-04	1.46E+00	1.46E-01	9.57E-05	1.46E-01	7.87E+00	3.11E-04	1.14E-03
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	0.5	15	9.77E-05	1.10E-02	1.95E-03	6.23E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.21E-05	1.25E-01	6.75E+00	2.67E-04	9.76E-04
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	0.5	15	6.51E-05	7.32E-03	1.30E-03	4.16E-05	8.33E-01	5.31E-04	8.33E-01	8.32E-02	5.47E-05	8.33E-02	4.50E+00	1.78E-04	6.51E-04
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	0.5	15	9.77E-05	1.10E-02	1.95E-03	6.23E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.21E-05	1.25E-01	6.75E+00	2.67E-04	9.76E-04
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	12	0.5	15	1.93E-04	2.18E-02	3.89E-03	1.23E-04	2.50E+00	1.59E-03	2.50E+00	2.50E-01	1.63E-04	2.50E-01	1.33E+01	5.35E-04	1.92E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	4.5	0.5	15	7.22E-05	8.18E-03	1.46E-03	4.60E-05	9.37E-01	5.98E-04	9.38E-01	9.36E-02	6.13E-05	9.37E-02	4.98E+00	2.01E-04	7.21E-04
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	14.5	0.5	15	2.33E-04	2.64E-02	4.70E-03	1.48E-04	3.02E+00	1.93E-03	3.02E+00	3.02E-01	1.97E-04	3.02E-01	1.60E+01	6.47E-04	2.32E-03
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	8.5	0.5	15	1.36E-04	1.55E-02	2.76E-03	8.68E-05	1.77E+00	1.13E-03	1.77E+00	1.77E-01	1.16E-04	1.77E-01	9.41E+00	3.79E-04	1.36E-03
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	0.5	15	2.41E-04	2.73E-02	4.86E-03	1.53E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.04E-04	3.12E-01	1.66E+01	6.69E-04	2.40E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	0.5	15	9.63E-05	1.09E-02	1.95E-03	6.13E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.17E-05	1.25E-01	6.64E+00	2.68E-04	9.61E-04
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	4.5	0.5	15	7.22E-05	8.18E-03	1.46E-03	4.60E-05	9.37E-01	5.98E-04	9.38E-01	9.36E-02	6.13E-05	9.37E-02	4.98E+00	2.01E-04	7.21E-04
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	15.5	0.5	15	2.49E-04	2.82E-02	5.03E-03	1.58E-04	3.23E+00	2.06E-03	3.23E+00	3.22E-01	2.11E-04	3.23E-01	1.72E+01	6.91E-04	2.48E-03
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	5	0.5	15	8.02E-05	9.09E-03	1.62E-03	5.11E-05	1.04E+00	6.64E-04	1.04E+00	1.04E-01	6.81E-05	1.04E-01	5.53E+00	2.23E-04	8.01E-04
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	0.5	15	9.63E-05	1.09E-02	1.95E-03	6.13E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.17E-05	1.25E-01	6.64E+00	2.68E-04	9.61E-04
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	0.5	15	2.38E-04	2.71E-02	4.86E-03	1.51E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.03E-04	3.12E-01	1.64E+01	6.71E-04	2.37E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	7	0.5	15	1.11E-04	1.26E-02	2.27E-03	7.04E-05	1.46E+00	9.30E-04	1.46E+00	1.46E-01	9.49E-05	1.46E-01	7.63E+00	3.13E-04	1.11E-03
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	4	0.5	15	6.34E-05	7.23E-03	1.30E-03	4.03E-05	8.33E-01	5.31E-04	8.33E-01	8.32E-02	5.42E-05	8.33E-02	4.36E+00	1.79E-04	6.31E-04
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	0.5	15	2.38E-04	2.71E-02	4.86E-03	1.51E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.03E-04	3.12E-01	1.64E+01	6.71E-04	2.37E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	0.5	15	2.38E-04	2.71E-02	4.86E-03	1.51E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.03E-04	3.12E-01	1.64E+01	6.71E-04	2.37E-03
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	6	0.5	15	9.51E-05	1.08E-02	1.94E-03	6.04E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.13E-05	1.25E-01	6.54E+00	2.68E-04	9.47E-04
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	2	0.5	15	3.17E-05	3.61E-03	6.48E-04	2.01E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.71E-05	4.16E-02	2.18E+00	8.95E-05	3.16E-04
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	25	0.5	15	3.96E-04	4.52E-02	8.10E-03	2.52E-04	5.21E+00	3.32E-03	5.21E+00	5.20E-01	3.39E-04	5.20E-01	2.73E+01	1.12E-03	3.95E-03
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	6	0.5	15	9.41E-05	1.08E-02	1.94E-03	5.95E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.09E-05	1.25E-01	6.45E+00	2.69E-04	9.34E-04
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	6	0.5	15	9.41E-05	1.08E-02	1.94E-03	5.95E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.09E-05	1.25E-01	6.45E+00	2.69E-04	9.34E-04
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	11.5	0.5	15	1.80E-04	2.06E-02	3.73E-03	1.14E-04	2.39E+00	1.53E-03	2.40E+00	2.39E-01	1.55E-04	2.39E-01	1.24E+01	5.16E-04	1.79E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	14.5	0.5	15	2.27E-04	2.60E-02	4.70E-03	1.44E-04	3.02E+00	1.93E-03	3.02E+00	3.02E-01	1.96E-04	3.02E-01	1.56E+01	6.50E-04	2.26E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	14.5	0.5	15	2.27E-04	2.60E-02	4.70E-03	1.44E-04	3.02E+00	1.93E-03	3.02E+00	3.02E-01	1.96E-04	3.02E-01	1.56E+01	6.50E-04	2.26E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.5	0.5	15	1.33E-04	1.52E-02	2.75E-03	8.43E-05	1.77E+00	1.13E-03	1.77E+00	1.77E-01	1.15E-04	1.77E-01	9.14E+00	3.81E-04	1.32E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	0.5	15	2.35E-04	2.69E-02	4.86E-03	1.49E-04	3.12E+00	1.99E-03	3.13E+00	3.12E-01	2.02E-04	3.12E-01	1.61E+01	6.73E-04	2.34E-03
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	6	0.5	15	9.41E-05	1.08E-02	1.94E-03	5.95E-05	1.25E+00	7.97E-04	1.25E+00	1.25E-01	8.09E-05	1.25E-01	6.45E+00	2.69E-04	9.34E-04
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	4.5	0.5	15	7.06E-05	8.07E-03	1.46E-03	4.46E-05	9.37E-01	5.98E-04	9.38E-01	9.36E-02	6.07E-05	9.37E-02	4.84E+00	2.02E-04	7.01E-04
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	2	0.5	15	3.14E-05	3.59E-03	6.48E-04	1.98E-05	4.16E-01	2.66E-04	4.17E-01	4.16E-02	2.70E-05	4.16E-02	2.15E+00	8.97E-05	3.11E-04

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
							MT/year			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	9	0.5	15	260	1.22E+00	4.71E-05	1.76E-04	1.27E+00
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	2	0.5	15	260	2.70E-01	1.05E-05	3.91E-05	2.82E-01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	0.5	15	260	3.38E+00	1.31E-04	4.88E-04	3.53E+00
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	6	0.5	15	260	8.11E-01	3.14E-05	1.17E-04	8.46E-01
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	2	0.5	15	260	2.70E-01	1.05E-05	3.91E-05	2.82E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	0.5	15	260	2.03E+00	7.84E-05	2.93E-04	2.12E+00
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	6	0.5	15	260	8.11E-01	3.14E-05	1.17E-04	8.46E-01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	0.5	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	7	0.5	15	260	9.46E-01	3.66E-05	1.37E-04	9.87E-01
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	6	0.5	15	260	8.11E-01	3.14E-05	1.17E-04	8.46E-01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	4	0.5	15	260	5.40E-01	2.09E-05	7.81E-05	5.64E-01
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	9	0.5	15	260	1.19E+00	4.72E-05	1.73E-04	1.25E+00
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	2	0.5	15	260	2.65E-01	1.05E-05	3.84E-05	2.77E-01
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	0.5	15	260	3.32E+00	1.31E-04	4.80E-04	3.46E+00
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	0.5	15	260	2.65E-01	1.05E-05	3.84E-05	2.77E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	2	0.5	15	260	2.65E-01	1.05E-05	3.84E-05	2.77E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	0.5	15	260	7.96E-01	3.15E-05	1.15E-04	8.31E-01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	0.5	15	260	9.29E-01	3.67E-05	1.34E-04	9.70E-01
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	0.5	15	260	7.96E-01	3.15E-05	1.15E-04	8.31E-01
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	0.5	15	260	5.31E-01	2.10E-05	7.68E-05	5.54E-01
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	0.5	15	260	7.96E-01	3.15E-05	1.15E-04	8.31E-01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	12	0.5	15	260	1.57E+00	6.31E-05	2.27E-04	1.64E+00
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	4.5	0.5	15	260	5.87E-01	2.37E-05	8.50E-05	6.13E-01
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	14.5	0.5	15	260	1.89E+00	7.63E-05	2.74E-04	1.98E+00
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	8.5	0.5	15	260	1.11E+00	4.47E-05	1.61E-04	1.16E+00
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	0.5	15	260	1.96E+00	7.89E-05	2.83E-04	2.04E+00
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	0.5	15	260	7.83E-01	3.16E-05	1.13E-04	8.18E-01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	4.5	0.5	15	260	5.87E-01	2.37E-05	8.50E-05	6.13E-01
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	15.5	0.5	15	260	2.02E+00	8.15E-05	2.93E-04	2.11E+00
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	5	0.5	15	260	6.53E-01	2.63E-05	9.44E-05	6.81E-01
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	0.5	15	260	7.83E-01	3.16E-05	1.13E-04	8.18E-01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	0.5	15	260	1.93E+00	7.91E-05	2.79E-04	2.01E+00
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	7	0.5	15	260	9.00E-01	3.69E-05	1.30E-04	9.40E-01
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	4	0.5	15	260	5.14E-01	2.11E-05	7.45E-05	5.37E-01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	0.5	15	260	1.93E+00	7.91E-05	2.79E-04	2.01E+00
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	0.5	15	260	1.93E+00	7.91E-05	2.79E-04	2.01E+00
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	6	0.5	15	260	7.72E-01	3.17E-05	1.12E-04	8.06E-01
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	2	0.5	15	260	2.57E-01	1.06E-05	3.72E-05	2.69E-01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	25	0.5	15	260	3.21E+00	1.32E-04	4.65E-04	3.36E+00
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	0.5	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	6	0.5	15	260	7.61E-01	3.17E-05	1.10E-04	7.94E-01
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	6	0.5	15	260	7.61E-01	3.17E-05	1.10E-04	7.94E-01
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	11.5	0.5	15	260	1.46E+00	6.08E-05	2.11E-04	1.52E+00
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	14.5	0.5	15	260	1.84E+00	7.67E-05	2.66E-04	1.92E+00
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	14.5	0.5	15	260	1.84E+00	7.67E-05	2.66E-04	1.92E+00
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.5	0.5	15	260	1.08E+00	4.50E-05	1.56E-04	1.13E+00
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	0.5	15	260	1.90E+00	7.93E-05	2.75E-04	1.99E+00
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	6	0.5	15	260	7.61E-01	3.17E-05	1.10E-04	7.94E-01
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	4.5	0.5	15	260	5.70E-01	2.38E-05	8.26E-05	5.96E-01
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	2	0.5	15	260	2.54E-01	1.06E-05	3.67E-05	2.65E-01

Vendor Starting/Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/trip)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	9	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	2	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	6	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	2	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	6	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	7	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	6	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	4	0.5	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	9	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	2	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	2	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	0.5	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	12	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	4.5	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	14.5	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	8.5	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	4.5	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	15.5	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	5	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	0.5	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	7	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	4	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	6	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	2	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	25	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	0.5	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	6	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	6	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	11.5	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	14.5	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	14.5	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.5	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	6	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	4.5	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	2	0.5	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	9	0.5	15	6.83E-04	2.02E-02	4.13E-03	4.24E-07	0.00E+00	4.98E-07	4.98E-07	0.00E+00	4.58E-07	4.58E-07	4.28E-02	4.09E-05	3.72E-05
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	2	0.5	15	1.52E-04	4.49E-03	9.18E-04	9.42E-08	0.00E+00	1.11E-07	1.11E-07	0.00E+00	1.02E-07	1.02E-07	9.51E-03	9.09E-06	8.26E-06
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	0.5	15	1.90E-03	5.62E-02	1.15E-02	1.18E-06	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	1.19E-01	1.14E-04	1.03E-04
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	6	0.5	15	4.55E-04	1.35E-02	2.75E-03	2.82E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.85E-02	2.73E-05	2.48E-05
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	2	0.5	15	1.52E-04	4.49E-03	9.18E-04	9.42E-08	0.00E+00	1.11E-07	1.11E-07	0.00E+00	1.02E-07	1.02E-07	9.51E-03	9.09E-06	8.26E-06
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	0.5	15	1.14E-03	3.37E-02	6.88E-03	7.06E-07	0.00E+00	8.31E-07	8.31E-07	0.00E+00	7.64E-07	7.64E-07	7.14E-02	6.81E-05	6.19E-05
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	6	0.5	15	4.55E-04	1.35E-02	2.75E-03	2.82E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.85E-02	2.73E-05	2.48E-05
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	7	0.5	15	5.31E-04	1.57E-02	3.21E-03	3.30E-07	0.00E+00	3.88E-07	3.88E-07	0.00E+00	3.56E-07	3.56E-07	3.33E-02	3.18E-05	2.89E-05
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	6	0.5	15	4.55E-04	1.35E-02	2.75E-03	2.82E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.85E-02	2.73E-05	2.48E-05
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	4	0.5	15	3.04E-04	8.99E-03	1.84E-03	1.88E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.04E-07	2.04E-07	1.90E-02	1.82E-05	1.65E-05
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	9	0.5	15	6.62E-04	2.02E-02	4.00E-03	4.13E-07	0.00E+00	4.97E-07	4.97E-07	0.00E+00	4.57E-07	4.57E-07	4.18E-02	4.01E-05	3.69E-05
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	2	0.5	15	1.47E-04	4.50E-03	8.89E-04	9.19E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.01E-07	1.01E-07	9.28E-03	8.90E-06	8.20E-06
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	0.5	15	1.84E-03	5.62E-02	1.11E-02	1.15E-06	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	1.16E-01	1.11E-04	1.02E-04
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	0.5	15	1.47E-04	4.50E-03	8.89E-04	9.19E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.01E-07	1.01E-07	9.28E-03	8.90E-06	8.20E-06
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	2	0.5	15	1.47E-04	4.50E-03	8.89E-04	9.19E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.01E-07	1.01E-07	9.28E-03	8.90E-06	8.20E-06
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	0.5	15	4.41E-04	1.35E-02	2.67E-03	2.76E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.78E-02	2.67E-05	2.46E-05
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	0.5	15	5.15E-04	1.57E-02	3.11E-03	3.21E-07	0.00E+00	3.86E-07	3.86E-07	0.00E+00	3.55E-07	3.55E-07	3.25E-02	3.12E-05	2.87E-05
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	0.5	15	4.41E-04	1.35E-02	2.67E-03	2.76E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.78E-02	2.67E-05	2.46E-05
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	0.5	15	2.94E-04	9.00E-03	1.78E-03	1.84E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.03E-07	2.03E-07	1.86E-02	1.78E-05	1.64E-05
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	0.5	15	4.41E-04	1.35E-02	2.67E-03	2.76E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.78E-02	2.67E-05	2.46E-05
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	12	0.5	15	8.59E-04	2.70E-02	5.20E-03	5.40E-07	0.00E+00	6.62E-07	6.62E-07	0.00E+00	6.08E-07	6.08E-07	5.46E-02	5.27E-05	4.90E-05
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	4.5	0.5	15	3.22E-04	1.01E-02	1.95E-03	2.02E-07	0.00E+00	2.48E-07	2.48E-07	0.00E+00	2.28E-07	2.28E-07	2.05E-02	1.98E-05	1.84E-05
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	14.5	0.5	15	1.04E-03	3.26E-02	6.29E-03	6.52E-07	0.00E+00	7.99E-07	7.99E-07	0.00E+00	7.35E-07	7.35E-07	6.59E-02	6.36E-05	5.92E-05
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	8.5	0.5	15	6.09E-04	1.91E-02	3.68E-03	3.82E-07	0.00E+00	4.69E-07	4.69E-07	0.00E+00	4.31E-07	4.31E-07	3.87E-02	3.73E-05	3.47E-05
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	0.5	15	1.07E-03	3.38E-02	6.50E-03	6.75E-07	0.00E+00	8.27E-07	8.27E-07	0.00E+00	7.60E-07	7.60E-07	6.82E-02	6.58E-05	6.12E-05
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	0.5	15	4.30E-04	1.35E-02	2.60E-03	2.70E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.73E-02	2.63E-05	2.45E-05
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	4.5	0.5	15	3.22E-04	1.01E-02	1.95E-03	2.02E-07	0.00E+00	2.48E-07	2.48E-07	0.00E+00	2.28E-07	2.28E-07	2.05E-02	1.98E-05	1.84E-05
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	15.5	0.5	15	1.11E-03	3.49E-02	6.72E-03	6.97E-07	0.00E+00	8.54E-07	8.54E-07	0.00E+00	7.86E-07	7.86E-07	7.05E-02	6.80E-05	6.33E-05
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	5	0.5	15	3.58E-04	1.13E-02	2.17E-03	2.25E-07	0.00E+00	2.76E-07	2.76E-07	0.00E+00	2.53E-07	2.53E-07	2.27E-02	2.19E-05	2.04E-05
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	0.5	15	4.30E-04	1.35E-02	2.60E-03	2.70E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.73E-02	2.63E-05	2.45E-05
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	0.5	15	1.05E-03	3.38E-02	6.37E-03	6.63E-07	0.00E+00	8.28E-07	8.28E-07	0.00E+00	7.61E-07	7.61E-07	6.70E-02	6.51E-05	6.11E-05
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	7	0.5	15	4.90E-04	1.58E-02	2.97E-03	3.09E-07	0.00E+00	3.86E-07	3.86E-07	0.00E+00	3.55E-07	3.55E-07	3.13E-02	3.04E-05	2.85E-05
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	4	0.5	15	2.80E-04	9.01E-03	1.70E-03	1.77E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.03E-07	2.03E-07	1.79E-02	1.74E-05	1.63E-05
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	0.5	15	1.05E-03	3.38E-02	6.37E-03	6.63E-07	0.00E+00	8.28E-07	8.28E-07	0.00E+00	7.61E-07	7.61E-07	6.70E-02	6.51E-05	6.11E-05
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	0.5	15	1.05E-03	3.38E-02	6.37E-03	6.63E-07	0.00E+00	8.28E-07	8.28E-07	0.00E+00	7.61E-07	7.61E-07	6.70E-02	6.51E-05	6.11E-05
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	6	0.5	15	4.20E-04	1.35E-02	2.55E-03	2.65E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.05E-07	3.05E-07	2.68E-02	2.61E-05	2.44E-05
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	2	0.5	15	1.40E-04	4.51E-03	8.49E-04	8.84E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.02E-07	1.02E-07	8.94E-03	8.68E-06	8.15E-06
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	25	0.5	15	1.75E-03	5.63E-02	1.06E-02	1.11E-06	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	1.12E-01	1.09E-04	1.02E-04
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	6	0.5	15	4.12E-04	1.35E-02	2.50E-03	2.61E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.64E-02	2.58E-05	2.44E-05
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	6	0.5	15	4.12E-04	1.35E-02	2.50E-03	2.61E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.64E-02	2.58E-05	2.44E-05
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	11.5	0.5	15	7.89E-04	2.59E-02	4.79E-03	5.00E-07	0.00E+00	6.36E-07	6.36E-07	0.00E+00	5.85E-07	5.85E-07	5.05E-02	4.95E-05	4.68E-05
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	14.5	0.5	15	9.95E-04	3.27E-02	6.03E-03	6.30E-07	0.00E+00	8.02E-07	8.02E-07	0.00E+00	7.37E-07	7.37E-07	6.37E-02	6.24E-05	5.90E-05
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	14.5	0.5	15	9.95E-04	3.27E-02	6.03E-03	6.30E-07	0.00E+00	8.02E-07	8.02E-07	0.00E+00	7.37E-07	7.37E-07	6.37E-02	6.24E-05	5.90E-05
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.5	0.5	15	5.83E-04	1.92E-02	3.54E-03	3.70E-07	0.00E+00	4.70E-07	4.70E-07	0.00E+00	4.32E-07	4.32E-07	3.73E-02	3.66E-05	3.46E-05
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	0.5	15	1.03E-03	3.38E-02	6.24E-03	6.52E-07	0.00E+00	8.30E-07	8.30E-07	0.00E+00	7.63E-07	7.63E-07	6.59E-02	6.45E-05	6.10E-05
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	6	0.5	15	4.12E-04	1.35E-02	2.50E-03	2.61E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.64E-02	2.58E-05	2.44E-05
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	4.5	0.5	15	3.09E-04	1.01E-02	1.87E-03	1.96E-07	0.00E+00	2.49E-07	2.49E-07	0.00E+00	2.29E-07	2.29E-07	1.98E-02	1.94E-05	1.83E-05
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	2	0.5	15	1.37E-04	4.51E-03	8.32E-04	8.70E-08	0.00E+00	1.11E-07	1.11E-07	0.00E+00	1.02E-07	1.02E-07	8.79E-03	8.60E-06	8.14E-06

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
							MT/year			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	9	0.5	15	260	0.00504957	4.8215E-06	4.3816E-06	6.48E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	2	0.5	15	260	0.00112213	1.0714E-06	9.7369E-07	1.44E-03
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	0.5	15	260	0.01402658	1.3393E-05	1.2171E-05	1.80E-02
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	6	0.5	15	260	0.00336638	3.2143E-06	2.9211E-06	4.32E-03
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	2	0.5	15	260	0.00112213	1.0714E-06	9.7369E-07	1.44E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	0.5	15	260	0.00841595	8.0359E-06	7.3027E-06	1.08E-02
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	6	0.5	15	260	0.00336638	3.2143E-06	2.9211E-06	4.32E-03
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	0.5	15	260	0	0	0	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	7	0.5	15	260	0.00392744	3.7501E-06	3.4079E-06	5.04E-03
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	6	0.5	15	260	0.00336638	3.2143E-06	2.9211E-06	4.32E-03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	4	0.5	15	260	0.00224425	2.1429E-06	1.9474E-06	2.88E-03
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	9	0.5	15	260	0.00492606	4.7254E-06	4.3492E-06	6.34E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	2	0.5	15	260	0.00109468	1.0501E-06	9.665E-07	1.41E-03
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	0.5	15	260	0.0136835	1.3126E-05	1.2081E-05	1.76E-02
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	0.5	15	260	0.00109468	1.0501E-06	9.665E-07	1.41E-03
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	2	0.5	15	260	0.00109468	1.0501E-06	9.665E-07	1.41E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	0.5	15	260	0.00328404	3.1503E-06	2.8995E-06	4.23E-03
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	0.5	15	260	0.00383138	3.6753E-06	3.3827E-06	4.93E-03
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	0.5	15	260	0.00328404	3.1503E-06	2.8995E-06	4.23E-03
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	15	260	0	0	0	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	0.5	15	260	0.00218936	2.1002E-06	1.933E-06	2.82E-03
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	0.5	15	260	0.00328404	3.1503E-06	2.8995E-06	4.23E-03
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	12	0.5	15	260	0.00643515	6.2113E-06	5.7766E-06	8.31E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	4.5	0.5	15	260	0.00241318	2.3292E-06	2.1662E-06	3.12E-03
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	14.5	0.5	15	260	0.0077758	7.5054E-06	6.9801E-06	1.00E-02
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	8.5	0.5	15	260	0.00455823	4.3997E-06	4.0918E-06	5.89E-03
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	0.5	15	260	0.00804393	7.7642E-06	7.2208E-06	1.04E-02
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	0.5	15	260	0.00321757	3.1057E-06	2.8883E-06	4.16E-03
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	4.5	0.5	15	260	0.00241318	2.3292E-06	2.1662E-06	3.12E-03
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	15.5	0.5	15	260	0.00831206	8.023E-06	7.4615E-06	1.07E-02
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	15	260	0	0	0	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	5	0.5	15	260	0.00268131	2.5881E-06	2.4069E-06	3.46E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	0.5	15	260	0.00321757	3.1057E-06	2.8883E-06	4.16E-03
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	0.5	15	260	0.00790352	7.6812E-06	7.2085E-06	1.02E-02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	7	0.5	15	260	0.00368831	3.5846E-06	3.364E-06	4.78E-03
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	4	0.5	15	260	0.0021076	2.0483E-06	1.9223E-06	2.73E-03
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	0.5	15	260	0.00790352	7.6812E-06	7.2085E-06	1.02E-02
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	0.5	15	260	0.00790352	7.6812E-06	7.2085E-06	1.02E-02
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	6	0.5	15	260	0.00316141	3.0725E-06	2.8834E-06	4.10E-03
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	2	0.5	15	260	0.0010538	1.0242E-06	9.6113E-07	1.37E-03
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	15	260	0	0	0	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	25	0.5	15	260	0.01317253	1.2802E-05	1.2014E-05	1.71E-02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	0.5	15	260	0	0	0	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	6	0.5	15	260	0.0031089	3.0429E-06	2.8786E-06	4.04E-03
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	6	0.5	15	260	0.0031089	3.0429E-06	2.8786E-06	4.04E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	11.5	0.5	15	260	0.00595872	5.8323E-06	5.5174E-06	7.75E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	14.5	0.5	15	260	0.00751316	7.3537E-06	6.9567E-06	9.77E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	14.5	0.5	15	260	0.00751316	7.3537E-06	6.9567E-06	9.77E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.5	0.5	15	260	0.00440427	4.3108E-06	4.0781E-06	5.73E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	0.5	15	260	0.00777224	7.6073E-06	7.1966E-06	1.01E-02
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	6	0.5	15	260	0.0031089	3.0429E-06	2.8786E-06	4.04E-03
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	4.5	0.5	15	260	0.00233167	2.2822E-06	2.159E-06	3.03E-03
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	2	0.5	15	260	0.0010363	1.0143E-06	9.5955E-07	1.35E-03

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Vendor Idling Emission Factors ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/min)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	9	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	2	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	6	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	2	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	6	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	7	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	6	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	4	0.5	15	5.59E-02	4.69E-01	9.19E-01	9.30E-04	0.00E+00	1.94E-04	1.94E-04	0.00E+00	1.86E-04	1.86E-04	9.82E+01	6.07E-03	7.53E-02
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	9	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	2	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	2	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	0.5	15	5.56E-02	4.66E-01	9.15E-01	9.16E-04	0.00E+00	1.83E-04	1.83E-04	0.00E+00	1.75E-04	1.75E-04	9.68E+01	6.05E-03	7.48E-02
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	12	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	4.5	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	14.5	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	8.5	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	4.5	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	15.5	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	5	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	0.5	15	5.54E-02	4.63E-01	9.13E-01	9.03E-04	0.00E+00	1.76E-04	1.76E-04	0.00E+00	1.68E-04	1.68E-04	9.54E+01	6.04E-03	7.46E-02
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	7	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	4	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	6	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	2	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	25	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	0.5	15	5.52E-02	4.61E-01	9.12E-01	8.90E-04	0.00E+00	1.69E-04	1.69E-04	0.00E+00	1.62E-04	1.62E-04	9.42E+01	6.05E-03	7.44E-02
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	6	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	6	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	11.5	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	14.5	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	14.5	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.5	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	6	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	4.5	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	2	0.5	15	5.51E-02	4.59E-01	9.11E-01	8.79E-04	0.00E+00	1.64E-04	1.64E-04	0.00E+00	1.57E-04	1.57E-04	9.30E+01	6.05E-03	7.42E-02

						Daily Emissions												
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	9	0.5	15	1.49E-01	5.55E-04	4.65E-03	9.11E-03	9.22E-06	0.00E+00	1.93E-06	1.93E-06	0.00E+00	1.84E-06	1.84E-06	9.74E-01	6.02E-05
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	2	0.5	15	3.31E-02	1.23E-04	1.03E-03	2.03E-03	2.05E-06	0.00E+00	4.28E-07	4.28E-07	0.00E+00	4.10E-07	4.10E-07	2.16E-01	1.34E-05
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	0.5	15	4.13E-01	1.54E-03	1.29E-02	2.53E-02	2.56E-05	0.00E+00	5.36E-06	5.36E-06	0.00E+00	5.12E-06	5.12E-06	2.71E+00	1.67E-04
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	6	0.5	15	9.92E-02	3.70E-04	3.10E-03	6.08E-03	6.15E-06	0.00E+00	1.29E-06	1.29E-06	0.00E+00	1.23E-06	1.23E-06	6.49E-01	4.02E-05
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	2	0.5	15	3.31E-02	1.23E-04	1.03E-03	2.03E-03	2.05E-06	0.00E+00	4.28E-07	4.28E-07	0.00E+00	4.10E-07	4.10E-07	2.16E-01	1.34E-05
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	0.5	15	2.48E-01	9.25E-04	7.75E-03	1.52E-02	1.54E-05	0.00E+00	3.21E-06	3.21E-06	0.00E+00	3.07E-06	3.07E-06	1.62E+00	1.00E-04
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	6	0.5	15	9.92E-02	3.70E-04	3.10E-03	6.08E-03	6.15E-06	0.00E+00	1.29E-06	1.29E-06	0.00E+00	1.23E-06	1.23E-06	6.49E-01	4.02E-05
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	7	0.5	15	1.16E-01	4.31E-04	3.62E-03	7.09E-03	7.17E-06	0.00E+00	1.50E-06	1.50E-06	0.00E+00	1.43E-06	1.43E-06	7.58E-01	4.68E-05
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	6	0.5	15	9.92E-02	3.70E-04	3.10E-03	6.08E-03	6.15E-06	0.00E+00	1.29E-06	1.29E-06	0.00E+00	1.23E-06	1.23E-06	6.49E-01	4.02E-05
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	4	0.5	15	6.61E-02	2.47E-04	2.07E-03	4.05E-03	4.10E-06	0.00E+00	8.57E-07	8.57E-07	0.00E+00	8.20E-07	8.20E-07	4.33E-01	2.68E-05
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	9	0.5	15	1.49E-01	5.51E-04	4.62E-03	9.08E-03	9.08E-06	0.00E+00	1.82E-06	1.82E-06	0.00E+00	1.74E-06	1.74E-06	9.60E-01	6.00E-05
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	2	0.5	15	3.31E-02	1.23E-04	1.03E-03	2.02E-03	2.02E-06	0.00E+00	4.04E-07	4.04E-07	0.00E+00	3.87E-07	3.87E-07	2.13E-01	1.33E-05
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	0.5	15	4.13E-01	1.53E-03	1.28E-02	2.52E-02	2.52E-05	0.00E+00	5.05E-06	5.05E-06	0.00E+00	4.83E-06	4.83E-06	2.67E+00	1.67E-04
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	0.5	15	3.31E-02	1.23E-04	1.03E-03	2.02E-03	2.02E-06	0.00E+00	4.04E-07	4.04E-07	0.00E+00	3.87E-07	3.87E-07	2.13E-01	1.33E-05
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	2	0.5	15	3.31E-02	1.23E-04	1.03E-03	2.02E-03	2.02E-06	0.00E+00	4.04E-07	4.04E-07	0.00E+00	3.87E-07	3.87E-07	2.13E-01	1.33E-05
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	0.5	15	9.92E-02	3.68E-04	3.08E-03	6.05E-03	6.06E-06	0.00E+00	1.21E-06	1.21E-06	0.00E+00	1.16E-06	1.16E-06	6.40E-01	4.00E-05
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	0.5	15	1.16E-01	4.29E-04	3.59E-03	7.06E-03	7.07E-06	0.00E+00	1.41E-06	1.41E-06	0.00E+00	1.35E-06	1.35E-06	7.47E-01	4.67E-05
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	0.5	15	9.92E-02	3.68E-04	3.08E-03	6.05E-03	6.06E-06	0.00E+00	1.21E-06	1.21E-06	0.00E+00	1.16E-06	1.16E-06	6.40E-01	4.00E-05
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	0.5	15	6.61E-02	2.45E-04	2.05E-03	4.03E-03	4.04E-06	0.00E+00	8.08E-07	8.08E-07	0.00E+00	7.74E-07	7.74E-07	4.27E-01	2.67E-05
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	0.5	15	9.92E-02	3.68E-04	3.08E-03	6.05E-03	6.06E-06	0.00E+00	1.21E-06	1.21E-06	0.00E+00	1.16E-06	1.16E-06	6.40E-01	4.00E-05
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	12	0.5	15	1.98E-01	7.32E-04	6.13E-03	1.21E-02	1.19E-05	0.00E+00	2.32E-06	2.32E-06	0.00E+00	2.22E-06	2.22E-06	1.26E+00	7.99E-05
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	4.5	0.5	15	7.44E-02	2.75E-04	2.30E-03	4.53E-03	4.48E-06	0.00E+00	8.71E-07	8.71E-07	0.00E+00	8.33E-07	8.33E-07	4.73E-01	3.00E-05
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	14.5	0.5	15	2.40E-01	8.85E-04	7.40E-03	1.46E-02	1.44E-05	0.00E+00	2.81E-06	2.81E-06	0.00E+00	2.68E-06	2.68E-06	1.53E+00	9.66E-05
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	8.5	0.5	15	1.41E-01	5.19E-04	4.34E-03	8.56E-03	8.46E-06	0.00E+00	1.64E-06	1.64E-06	0.00E+00	1.57E-06	1.57E-06	8.94E-01	5.66E-05
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	0.5	15	2.48E-01	9.15E-04	7.66E-03	1.51E-02	1.49E-05	0.00E+00	2.90E-06	2.90E-06	0.00E+00	2.78E-06	2.78E-06	1.58E+00	9.99E-05
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	0.5	15	9.92E-02	3.66E-04	3.06E-03	6.04E-03	5.97E-06	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.11E-06	1.11E-06	6.31E-01	4.00E-05
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	4.5	0.5	15	7.44E-02	2.75E-04	2.30E-03	4.53E-03	4.48E-06	0.00E+00	8.71E-07	8.71E-07	0.00E+00	8.33E-07	8.33E-07	4.73E-01	3.00E-05
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	15.5	0.5	15	2.56E-01	9.46E-04	7.91E-03	1.56E-02	1.54E-05	0.00E+00	3.00E-06	3.00E-06	0.00E+00	2.87E-06	2.87E-06	1.63E+00	1.03E-04
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	5	0.5	15	8.27E-02	3.05E-04	2.55E-03	5.03E-03	4.97E-06	0.00E+00	9.68E-07	9.68E-07	0.00E+00	9.26E-07	9.26E-07	5.26E-01	3.33E-05
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	0.5	15	9.92E-02	3.66E-04	3.06E-03	6.04E-03	5.97E-06	0.00E+00	1.16E-06	1.16E-06	0.00E+00	1.11E-06	1.11E-06	6.31E-01	4.00E-05
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	0.5	15	2.48E-01	9.13E-04	7.62E-03	1.51E-02	1.47E-05	0.00E+00	2.80E-06	2.80E-06	0.00E+00	2.68E-06	2.68E-06	1.56E+00	1.00E-04
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	7	0.5	15	1.16E-01	4.26E-04	3.56E-03	7.04E-03	6.87E-06	0.00E+00	1.31E-06	1.31E-06	0.00E+00	1.25E-06	1.25E-06	7.27E-01	4.67E-05
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	4	0.5	15	6.61E-02	2.44E-04	2.03E-03	4.02E-03	3.93E-06	0.00E+00	7.46E-07	7.46E-07	0.00E+00	7.14E-07	7.14E-07	4.15E-01	2.67E-05
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	0.5	15	2.48E-01	9.13E-04	7.62E-03	1.51E-02	1.47E-05	0.00E+00	2.80E-06	2.80E-06	0.00E+00	2.68E-06	2.68E-06	1.56E+00	1.00E-04
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	0.5	15	2.48E-01	9.13E-04	7.62E-03	1.51E-02	1.47E-05	0.00E+00	2.80E-06	2.80E-06	0.00E+00	2.68E-06	2.68E-06	1.56E+00	1.00E-04
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	6	0.5	15	9.92E-02	3.65E-04	3.05E-03	6.03E-03	5.89E-06	0.00E+00	1.12E-06	1.12E-06	0.00E+00	1.07E-06	1.07E-06	6.23E-01	4.00E-05
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	2	0.5	15	3.31E-02	1.22E-04	1.02E-03	2.01E-03	1.96E-06	0.00E+00	3.73E-07	3.73E-07	0.00E+00	3.57E-07	3.57E-07	2.08E-01	1.33E-05
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	25	0.5	15	4.13E-01	1.52E-03	1.27E-02	2.51E-02	2.45E-05	0.00E+00	4.66E-06	4.66E-06	0.00E+00	4.46E-06	4.46E-06	2.60E+00	1.67E-04
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	0.5	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	6	0.5	15	9.92E-02	3.64E-04	3.03E-03	6.03E-03	5.81E-06	0.00E+00	1.08E-06	1.08E-06	0.00E+00	1.04E-06	1.04E-06	6.15E-01	4.00E-05
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	6	0.5	15	9.92E-02	3.64E-04	3.03E-03	6.03E-03	5.81E-06	0.00E+00	1.08E-06	1.08E-06	0.00E+00	1.04E-06	1.04E-06	6.15E-01	4.00E-05
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	11.5	0.5	15	1.90E-01	6.99E-04	5.81E-03	1.16E-02	1.11E-05	0.00E+00	2.07E-06	2.07E-06	0.00E+00	1.98E-06	1.98E-06	1.18E+00	7.67E-05
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	14.5	0.5	15	2.40E-01	8.81E-04	7.33E-03	1.46E-02	1.41E-05	0.00E+00	2.62E-06	2.62E-06	0.00E+00	2.50E-06	2.50E-06	1.49E+00	9.67E-05
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	14.5	0.5	15	2.40E-01	8.81E-04	7.33E-03	1.46E-02	1.41E-05	0.00E+00	2.62E-06	2.62E-06	0.00E+00	2.50E-06	2.50E-06	1.49E+00	9.67E-05
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.5	0.5	15	1.41E-01	5.16E-04	4.30E-03	8.54E-03	8.24E-06	0.00E+00	1.53E-06	1.53E-06	0.00E+00	1.47E-06	1.47E-06	8.72E-01	5.67E-05
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	0.5	15	2.48E-01	9.11E-04	7.58E-03	1.51E-02	1.45E-05	0.00E+00	2.71E-06	2.71E-06	0.00E+00	2.59E-06	2.59E-06	1.54E+00	1.00E-04
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	6	0.5	15	9.92E-02	3.64E-04	3.03E-03	6.03E-03	5.81E-06	0.00E+00	1.08E-06	1.08E-06	0.00E+00	1.04E-06	1.04E-06	6.15E-01	4.00E-05
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	4.5	0.5	15	7.44E-02	2.73E-04	2.28E-03	4.52E-03	4.36E-06	0.00E+00	8.12E-07	8.12E-07	0.00E+00	7.77E-07	7.77E-07	4.61E-01	3.00E-05
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	2	0.5	15	3.31E-02	1.21E-04	1.01E-03	2.01E-03	1.94E-06	0.00E+00	3.61E-07	3.61E-07	0.00E+00	3.45E-07	3.45E-07	2.05E-01	1.33E-05

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
							MT/year			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	9	0.5	15	260	2.176E-07	0.1148607	7.103E-06	2.87E+00
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	2	0.5	15	260	4.835E-08	0.0255246	1.578E-06	6.39E-01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	0.5	15	260	6.043E-07	0.3190576	1.973E-05	7.98E+00
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	6	0.5	15	260	1.45E-07	0.0765738	4.735E-06	1.92E+00
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	2	0.5	15	260	4.835E-08	0.0255246	1.578E-06	6.39E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	0.5	15	260	3.626E-07	0.1914346	1.184E-05	4.79E+00
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	6	0.5	15	260	1.45E-07	0.0765738	4.735E-06	1.92E+00
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	0.5	15	260	0	0	0	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	7	0.5	15	260	1.692E-07	0.0893361	5.525E-06	2.24E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	6	0.5	15	260	1.45E-07	0.0765738	4.735E-06	1.92E+00
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	4	0.5	15	260	9.669E-08	0.0510492	3.157E-06	1.28E+00
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	9	0.5	15	260	2.053E-07	0.1132037	7.077E-06	2.83E+00
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	2	0.5	15	260	4.561E-08	0.0251564	1.573E-06	6.29E-01
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	0.5	15	260	5.702E-07	0.3144546	1.966E-05	7.87E+00
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	0.5	15	260	4.561E-08	0.0251564	1.573E-06	6.29E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	2	0.5	15	260	4.561E-08	0.0251564	1.573E-06	6.29E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	0.5	15	260	1.368E-07	0.0754691	4.718E-06	1.89E+00
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	0.5	15	260	1.596E-07	0.0880473	5.504E-06	2.20E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	0.5	15	260	1.368E-07	0.0754691	4.718E-06	1.89E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	0.5	15	260	0	0	0	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	0.5	15	260	9.122E-08	0.0503127	3.145E-06	1.26E+00
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	0.5	15	260	1.368E-07	0.0754691	4.718E-06	1.89E+00
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	12	0.5	15	260	2.62E-07	0.1488605	9.427E-06	3.72E+00
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	4.5	0.5	15	260	9.825E-08	0.0558227	3.535E-06	1.40E+00
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	14.5	0.5	15	260	3.166E-07	0.1798731	1.139E-05	4.50E+00
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	8.5	0.5	15	260	1.856E-07	0.1054428	6.678E-06	2.64E+00
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	0.5	15	260	3.275E-07	0.1860756	1.178E-05	4.66E+00
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	0.5	15	260	1.31E-07	0.0744302	4.714E-06	1.86E+00
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	4.5	0.5	15	260	9.825E-08	0.0558227	3.535E-06	1.40E+00
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	15.5	0.5	15	260	3.384E-07	0.1922781	1.218E-05	4.81E+00
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	0.5	15	260	0	0	0	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	5	0.5	15	260	1.092E-07	0.0620252	3.928E-06	1.55E+00
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	0.5	15	260	1.31E-07	0.0744302	4.714E-06	1.86E+00
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	0.5	15	260	3.157E-07	0.1836601	1.179E-05	4.60E+00
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	7	0.5	15	260	1.473E-07	0.085708	5.502E-06	2.14E+00
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	4	0.5	15	260	8.418E-08	0.048976	3.144E-06	1.23E+00
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	0.5	15	260	3.157E-07	0.1836601	1.179E-05	4.60E+00
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	0.5	15	260	3.157E-07	0.1836601	1.179E-05	4.60E+00
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	6	0.5	15	260	1.263E-07	0.073464	4.716E-06	1.84E+00
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	2	0.5	15	260	4.209E-08	0.024488	1.572E-06	6.13E-01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	0.5	15	260	0	0	0	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	25	0.5	15	260	5.261E-07	0.3061001	1.965E-05	7.66E+00
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	0.5	15	260	0	0	0	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	6	0.5	15	260	1.221E-07	0.0725574	4.718E-06	1.82E+00
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	6	0.5	15	260	1.221E-07	0.0725574	4.718E-06	1.82E+00
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	11.5	0.5	15	260	2.341E-07	0.1390683	9.043E-06	3.48E+00
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	14.5	0.5	15	260	2.951E-07	0.175347	1.14E-05	4.39E+00
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	14.5	0.5	15	260	2.951E-07	0.175347	1.14E-05	4.39E+00
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.5	0.5	15	260	1.73E-07	0.1027896	6.684E-06	2.57E+00
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	0.5	15	260	3.053E-07	0.1813935	1.18E-05	4.54E+00
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	6	0.5	15	260	1.221E-07	0.0725574	4.718E-06	1.82E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	4.5	0.5	15	260	9.16E-08	0.054418	3.539E-06	1.36E+00
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	2	0.5	15	260	4.071E-08	0.0241858	1.573E-06	6.05E-01

							Haul Running Emission Factors												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission Factor (g/mile)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	1705	7	0.5	1.84E-02	2.46E+00	1.99E-01	1.08E-02	1.89E+02	1.99E-02	1.89E+02	1.89E+01	1.90E-02	1.89E+01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	26	0	0.5	1.84E-02	2.46E+00	1.99E-01	1.08E-02	1.89E+02	1.99E-02	1.89E+02	1.89E+01	1.90E-02	1.89E+01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	0.5	1.84E-02	2.46E+00	1.99E-01	1.08E-02	1.89E+02	1.99E-02	1.89E+02	1.89E+01	1.90E-02	1.89E+01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	0	0	0.5	1.84E-02	2.46E+00	1.99E-01	1.08E-02	1.89E+02	1.99E-02	1.89E+02	1.89E+01	1.90E-02	1.89E+01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	7512	29	0.5	1.84E-02	2.46E+00	1.99E-01	1.08E-02	1.89E+02	1.99E-02	1.89E+02	1.89E+01	1.90E-02	1.89E+01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	2191	8	0.5	1.84E-02	2.46E+00	1.99E-01	1.08E-02	1.89E+02	1.99E-02	1.89E+02	1.89E+01	1.90E-02	1.89E+01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	5008	19	0.5	1.84E-02	2.46E+00	1.99E-01	1.08E-02	1.89E+02	1.99E-02	1.89E+02	1.89E+01	1.90E-02	1.89E+01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	0.5	1.84E-02	2.46E+00	1.99E-01	1.08E-02	1.89E+02	1.99E-02	1.89E+02	1.89E+01	1.90E-02	1.89E+01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	0.5	1.84E-02	2.46E+00	1.99E-01	1.08E-02	1.89E+02	1.99E-02	1.89E+02	1.89E+01	1.90E-02	1.89E+01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	528	2	0.5	1.84E-02	2.46E+00	1.99E-01	1.08E-02	1.89E+02	1.99E-02	1.89E+02	1.89E+01	1.90E-02	1.89E+01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	624	2	0.5	1.84E-02	2.46E+00	1.99E-01	1.08E-02	1.89E+02	1.99E-02	1.89E+02	1.89E+01	1.90E-02	1.89E+01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	1705	7	0.5	1.83E-02	2.46E+00	2.00E-01	1.06E-02	1.89E+02	1.94E-02	1.89E+02	1.89E+01	1.86E-02	1.89E+01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	52	0	0.5	1.83E-02	2.46E+00	2.00E-01	1.06E-02	1.89E+02	1.94E-02	1.89E+02	1.89E+01	1.86E-02	1.89E+01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	0.5	1.83E-02	2.46E+00	2.00E-01	1.06E-02	1.89E+02	1.94E-02	1.89E+02	1.89E+01	1.86E-02	1.89E+01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	0.5	1.83E-02	2.46E+00	2.00E-01	1.06E-02	1.89E+02	1.94E-02	1.89E+02	1.89E+01	1.86E-02	1.89E+01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	7512	29	0.5	1.83E-02	2.46E+00	2.00E-01	1.06E-02	1.89E+02	1.94E-02	1.89E+02	1.89E+01	1.86E-02	1.89E+01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	0.5	1.83E-02	2.46E+00	2.00E-01	1.06E-02	1.89E+02	1.94E-02	1.89E+02	1.89E+01	1.86E-02	1.89E+01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	0.5	1.83E-02	2.46E+00	2.00E-01	1.06E-02	1.89E+02	1.94E-02	1.89E+02	1.89E+01	1.86E-02	1.89E+01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	0.5	1.83E-02	2.46E+00	2.00E-01	1.06E-02	1.89E+02	1.94E-02	1.89E+02	1.89E+01	1.86E-02	1.89E+01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	0.5	1.83E-02	2.46E+00	2.00E-01	1.06E-02	1.89E+02	1.94E-02	1.89E+02	1.89E+01	1.86E-02	1.89E+01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	0.5	1.83E-02	2.46E+00	2.00E-01	1.06E-02	1.89E+02	1.94E-02	1.89E+02	1.89E+01	1.86E-02	1.89E+01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	0.5	1.83E-02	2.46E+00	2.00E-01	1.06E-02	1.89E+02	1.94E-02	1.89E+02	1.89E+01	1.86E-02	1.89E+01	1.12E+03	8.51E-04	1.76E-01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	2945	11	0.5	1.83E-02	2.46E+00	1.99E-01	1.04E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.85E-02	1.89E+01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	26	0	0.5	1.83E-02	2.46E+00	1.99E-01	1.04E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.85E-02	1.89E+01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	3442	13	0.5	1.83E-02	2.46E+00	1.99E-01	1.04E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.85E-02	1.89E+01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	5848.5	22	0.5	1.83E-02	2.46E+00	1.99E-01	1.04E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.85E-02	1.89E+01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	0.5	1.83E-02	2.46E+00	1.99E-01	1.04E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.85E-02	1.89E+01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	2556	10	0.5	1.83E-02	2.46E+00	1.99E-01	1.04E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.85E-02	1.89E+01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	3756	14	0.5	1.83E-02	2.46E+00	1.99E-01	1.04E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.85E-02	1.89E+01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	3130	12	0.5	1.83E-02	2.46E+00	1.99E-01	1.04E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.85E-02	1.89E+01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	0.5	1.83E-02	2.46E+00	1.99E-01	1.04E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.85E-02	1.89E+01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	2816	11	0.5	1.83E-02	2.46E+00	1.99E-01	1.04E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.85E-02	1.89E+01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	264	1	0.5	1.83E-02	2.46E+00	1.99E-01	1.04E-02	1.89E+02	1.93E-02	1.89E+02	1.89E+01	1.85E-02	1.89E+01	1.10E+03	8.50E-04	1.73E-01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	4185	16	0.5	1.83E-02	2.46E+00	1.99E-01	1.02E-02	1.89E+02	1.92E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	0	0	0.5	1.83E-02	2.46E+00	1.99E-01	1.02E-02	1.89E+02	1.92E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	624	2	0.5	1.83E-02	2.46E+00	1.99E-01	1.02E-02	1.89E+02	1.92E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	4185	16	0.5	1.83E-02	2.46E+00	1.99E-01	1.02E-02	1.89E+02	1.92E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	2191	8	0.5	1.83E-02	2.46E+00	1.99E-01	1.02E-02	1.89E+02	1.92E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	104	0	0.5	1.83E-02	2.46E+00	1.99E-01	1.02E-02	1.89E+02	1.92E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	7512	29	0.5	1.83E-02	2.46E+00	1.99E-01	1.02E-02	1.89E+02	1.92E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	0.5	1.83E-02	2.46E+00	1.99E-01	1.02E-02	1.89E+02	1.92E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	6260	24	0.5	1.83E-02	2.46E+00	1.99E-01	1.02E-02	1.89E+02	1.92E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	0	0	0.5	1.83E-02	2.46E+00	1.99E-01	1.02E-02	1.89E+02	1.92E-02	1.89E+02	1.89E+01	1.84E-02	1.89E+01	1.08E+03	8.49E-04	1.70E-01
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	5008	19	0.5	1.82E-02	2.45E+00	1.99E-01	1.00E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	0	0	0.5	1.82E-02	2.45E+00	1.99E-01	1.00E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	2635	10	0.5	1.82E-02	2.45E+00	1.99E-01	1.00E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	3442	13	0.5	1.82E-02	2.45E+00	1.99E-01	1.00E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	3442	13	0.5	1.82E-02	2.45E+00	1.99E-01	1.00E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	5848.5	22	0.5	1.82E-02	2.45E+00	1.99E-01	1.00E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	2191	8	0.5	1.82E-02	2.45E+00	1.99E-01	1.00E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	2556	10	0.5	1.82E-02	2.45E+00	1.99E-01	1.00E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	3756	14	0.5	1.82E-02	2.45E+00	1.99E-01	1.00E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	1408.5	5	0.5	1.82E-02	2.45E+00	1.99E-01	1.00E-02	1.89E+02	1.91E-02	1.89E+02	1.89E+01	1.83E-02	1.89E+01	1.06E+03	8.47E-04	1.67E-01

							Daily Emissions													
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	1705	7	0.5	1.33E-04	1.78E-02	1.44E-03	7.80E-05	1.37E+00	1.44E-04	1.37E+00	1.36E-01	1.37E-04	1.36E-01	8.26E+00	6.19E-06	1.30E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	26	0	0.5	2.03E-06	2.71E-04	2.19E-05	1.19E-06	2.08E-02	2.19E-06	2.08E-02	2.08E-03	2.10E-06	2.08E-03	1.26E-01	9.44E-08	1.98E-05
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	0.5	4.90E-04	6.53E-02	5.28E-03	2.87E-04	5.01E+00	5.28E-04	5.01E+00	5.00E-01	5.05E-04	5.01E-01	3.03E+01	2.27E-05	4.77E-03
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	7512	29	0.5	5.88E-04	7.84E-02	6.34E-03	3.44E-04	6.02E+00	6.33E-04	6.02E+00	6.01E-01	6.06E-04	6.01E-01	3.64E+01	2.73E-05	5.72E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	2191	8	0.5	1.71E-04	2.29E-02	1.85E-03	1.00E-04	1.75E+00	1.85E-04	1.75E+00	1.75E-01	1.77E-04	1.75E-01	1.06E+01	7.96E-06	1.67E-03
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	5008	19	0.5	3.92E-04	5.22E-02	4.22E-03	2.29E-04	4.01E+00	4.22E-04	4.01E+00	4.00E-01	4.04E-04	4.01E-01	2.43E+01	1.82E-05	3.81E-03
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	528	2	0.5	4.13E-05	5.51E-03	4.45E-04	2.42E-05	4.23E-01	4.45E-05	4.23E-01	4.22E-02	4.26E-05	4.23E-02	2.56E+00	1.92E-06	4.02E-04
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	624	2	0.5	4.88E-05	6.51E-03	5.26E-04	2.86E-05	5.00E-01	5.26E-05	5.00E-01	4.99E-02	5.03E-05	4.99E-02	3.02E+00	2.27E-06	4.75E-04
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	1705	7	0.5	1.33E-04	1.78E-02	1.44E-03	7.65E-05	1.37E+00	1.40E-04	1.37E+00	1.36E-01	1.34E-04	1.36E-01	8.09E+00	6.15E-06	1.27E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	52	0	0.5	4.04E-06	5.42E-04	4.40E-05	2.33E-06	4.16E-02	4.27E-06	4.16E-02	4.16E-03	4.09E-06	4.16E-03	2.47E-01	1.88E-07	3.88E-05
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	0.5	4.87E-04	6.53E-02	5.30E-03	2.81E-04	5.01E+00	5.15E-04	5.01E+00	5.00E-01	4.92E-04	5.01E-01	2.97E+01	2.26E-05	4.67E-03
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	0.5	5.84E-04	7.83E-02	6.36E-03	3.37E-04	6.02E+00	6.18E-04	6.02E+00	6.01E-01	5.91E-04	6.01E-01	3.57E+01	2.71E-05	5.60E-03
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	7512	29	0.5	5.84E-04	7.83E-02	6.36E-03	3.37E-04	6.02E+00	6.18E-04	6.02E+00	6.01E-01	5.91E-04	6.01E-01	3.57E+01	2.71E-05	5.60E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	0.5	3.89E-04	5.22E-02	4.24E-03	2.25E-04	4.01E+00	4.12E-04	4.01E+00	4.00E-01	3.94E-04	4.01E-01	2.38E+01	1.81E-05	3.74E-03
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	0.5	4.85E-05	6.51E-03	5.28E-04	2.80E-05	5.00E-01	5.13E-05	5.00E-01	4.99E-02	4.91E-05	4.99E-02	2.96E+00	2.25E-06	4.66E-04
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	0.5	4.10E-05	5.50E-03	4.47E-04	2.37E-05	4.23E-01	4.34E-05	4.23E-01	4.22E-02	4.15E-05	4.23E-02	2.51E+00	1.91E-06	3.94E-04
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	2945	11	0.5	2.28E-04	3.07E-02	2.49E-03	1.30E-04	2.36E+00	2.41E-04	2.36E+00	2.35E-01	2.31E-04	2.36E-01	1.37E+01	1.06E-05	2.16E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	26	0	0.5	2.02E-06	2.71E-04	2.20E-05	1.14E-06	2.08E-02	2.13E-06	2.08E-02	2.08E-03	2.04E-06	2.08E-03	1.21E-01	9.37E-08	1.90E-05
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	3442	13	0.5	2.67E-04	3.59E-02	2.91E-03	1.52E-04	2.76E+00	2.82E-04	2.76E+00	2.75E-01	2.69E-04	2.75E-01	1.60E+01	1.24E-05	2.52E-03
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	5848.5	22	0.5	4.54E-04	6.09E-02	4.95E-03	2.57E-04	4.68E+00	4.78E-04	4.68E+00	4.68E-01	4.58E-04	4.68E-01	2.72E+01	2.11E-05	4.28E-03
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	0.5	1.70E-04	2.28E-02	1.85E-03	9.64E-05	1.75E+00	1.79E-04	1.75E+00	1.75E-01	1.71E-04	1.75E-01	1.02E+01	7.90E-06	1.60E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	2556	10	0.5	1.98E-04	2.66E-02	2.16E-03	1.13E-04	2.05E+00	2.09E-04	2.05E+00	2.04E-01	2.00E-04	2.05E-01	1.19E+01	9.21E-06	1.87E-03
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	3756	14	0.5	2.91E-04	3.91E-02	3.18E-03	1.65E-04	3.01E+00	3.07E-04	3.01E+00	3.00E-01	2.94E-04	3.01E-01	1.75E+01	1.35E-05	2.75E-03
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	3130	12	0.5	2.43E-04	3.26E-02	2.65E-03	1.38E-04	2.51E+00	2.56E-04	2.51E+00	2.50E-01	2.45E-04	2.50E-01	1.46E+01	1.13E-05	2.29E-03
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	2816	11	0.5	2.18E-04	2.93E-02	2.38E-03	1.24E-04	2.26E+00	2.30E-04	2.26E+00	2.25E-01	2.20E-04	2.25E-01	1.31E+01	1.01E-05	2.06E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	264	1	0.5	2.05E-05	2.75E-03	2.23E-04	1.16E-05	2.11E-01	2.16E-05	2.11E-01	2.11E-02	2.07E-05	2.11E-02	1.23E+00	9.51E-07	1.93E-04
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	4185	16	0.5	3.24E-04	4.36E-02	3.54E-03	1.81E-04	3.35E+00	3.41E-04	3.35E+00	3.35E-01	3.26E-04	3.35E-01	1.92E+01	1.51E-05	3.01E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	624	2	0.5	4.83E-05	6.50E-03	5.27E-04	2.70E-05	5.00E-01	5.08E-05	5.00E-01	4.99E-02	4.86E-05	4.99E-02	2.86E+00	2.24E-06	4.49E-04
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	4185	16	0.5	3.24E-04	4.36E-02	3.54E-03	1.81E-04	3.35E+00	3.41E-04	3.35E+00	3.35E-01	3.26E-04	3.35E-01	1.92E+01	1.51E-05	3.01E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	2191	8	0.5	1.70E-04	2.28E-02	1.85E-03	9.48E-05	1.75E+00	1.78E-04	1.75E+00	1.75E-01	1.71E-04	1.75E-01	1.00E+01	7.88E-06	1.58E-03
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	104	0	0.5	8.05E-06	1.08E-03	8.78E-05	4.50E-06	8.33E-02	8.47E-06	8.33E-02	8.31E-03	8.10E-06	8.32E-03	4.76E-01	3.74E-07	7.49E-05
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	7512	29	0.5	5.82E-04	7.82E-02	6.35E-03	3.25E-04	6.02E+00	6.12E-04	6.02E+00	6.01E-01	5.85E-04	6.01E-01	3.44E+01	2.70E-05	5.41E-03
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	6260	24	0.5	4.85E-04	6.52E-02	5.29E-03	2.71E-04	5.01E+00	5.10E-04	5.01E+00	5.00E-01	4.88E-04	5.01E-01	2.87E+01	2.25E-05	4.51E-03
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	5008	19	0.5	3.87E-04	5.21E-02	4.22E-03	2.13E-04	4.01E+00	4.06E-04	4.01E+00	4.00E-01	3.88E-04	4.01E-01	2.26E+01	1.80E-05	3.55E-03
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	0	0	0.5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	2635	10	0.5	2.04E-04	2.74E-02	2.22E-03	1.12E-04	2.11E+00	2.13E-04	2.11E+00	2.11E-01	2.04E-04	2.11E-01	1.19E+01	9.46E-06	1.87E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	3442	13	0.5	2.66E-04	3.58E-02	2.90E-03	1.47E-04	2.76E+00	2.79E-04	2.76E+00	2.75E-01	2.67E-04	2.75E-01	1.55E+01	1.24E-05	2.44E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	3442	13	0.5	2.66E-04	3.58E-02	2.90E-03	1.47E-04	2.76E+00	2.79E-04	2.76E+00	2.75E-01	2.67E-04	2.75E-01	1.55E+01	1.24E-05	2.44E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	5848.5	22	0.5	4.52E-04	6.08E-02	4.93E-03	2.49E-04	4.68E+00	4.74E-04	4.68E+00	4.68E-01	4.53E-04	4.68E-01	2.63E+01	2.10E-05	4.14E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	2191	8	0.5	1.69E-04	2.28E-02	1.85E-03	9.33E-05	1.75E+00	1.77E-04	1.75E+00	1.75E-01	1.70E-04	1.75E-01	9.87E+00	7.86E-06	1.55E-03
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	2556	10	0.5	1.98E-04	2.66E-02	2.16E-03	1.09E-04	2.05E+00	2.07E-04	2.05E+00	2.04E-01	1.98E-04	2.05E-01	1.15E+01	9.17E-06	1.81E-03
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	3756	14	0.5	2.90E-04	3.91E-02	3.17E-03	1.60E-04	3.01E+00	3.04E-04	3.01E+00	3.00E-01	2.91E-04	3.01E-01	1.69E+01	1.35E-05	2.66E-03
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	1408.5	5	0.5	1.09E-04	1.47E-02	1.19E-03	6.00E-05	1.13E+00	1.14E-04	1.13E+00	1.13E-01	1.09E-04	1.13E-01	6.35E+00	5.06E-06	9.97E-04

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
								MT/yr			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	1705	7	0.5	260	9.74E-01	7.30E-07	1.53E-04	1.02E+00
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	26	0	0.5	260	1.49E-02	1.11E-08	2.33E-06	1.56E-02
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	0.5	260	3.58E+00	2.68E-06	5.62E-04	3.74E+00
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	7512	29	0.5	260	4.29E+00	3.22E-06	6.75E-04	4.49E+00
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	2191	8	0.5	260	1.25E+00	9.39E-07	1.97E-04	1.31E+00
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	5008	19	0.5	260	2.86E+00	2.15E-06	4.50E-04	3.00E+00
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	528	2	0.5	260	3.02E-01	2.26E-07	4.74E-05	3.16E-01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	624	2	0.5	260	3.56E-01	2.67E-07	5.60E-05	3.73E-01
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	1705	7	0.5	260	9.54E-01	7.26E-07	1.50E-04	9.99E-01
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	52	0	0.5	260	2.91E-02	2.21E-08	4.58E-06	3.05E-02
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	0.5	260	3.50E+00	2.67E-06	5.51E-04	3.67E+00
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	0.5	260	4.20E+00	3.20E-06	6.61E-04	4.40E+00
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	7512	29	0.5	260	4.20E+00	3.20E-06	6.61E-04	4.40E+00
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	0.5	260	2.80E+00	2.13E-06	4.41E-04	2.93E+00
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	0.5	260	3.49E-01	2.66E-07	5.49E-05	3.66E-01
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	0.5	260	2.96E-01	2.25E-07	4.65E-05	3.09E-01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	2945	11	0.5	260	1.62E+00	1.25E-06	2.54E-04	1.69E+00
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	26	0	0.5	260	1.43E-02	1.10E-08	2.25E-06	1.50E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	3442	13	0.5	260	1.89E+00	1.46E-06	2.97E-04	1.98E+00
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	5848.5	22	0.5	260	3.21E+00	2.49E-06	5.05E-04	3.36E+00
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	0.5	260	1.20E+00	9.31E-07	1.89E-04	1.26E+00
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	2556	10	0.5	260	1.40E+00	1.09E-06	2.21E-04	1.47E+00
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	3756	14	0.5	260	2.06E+00	1.60E-06	3.24E-04	2.16E+00
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	3130	12	0.5	260	1.72E+00	1.33E-06	2.70E-04	1.80E+00
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	2816	11	0.5	260	1.55E+00	1.20E-06	2.43E-04	1.62E+00
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	264	1	0.5	260	1.45E-01	1.12E-07	2.28E-05	1.52E-01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	4185	16	0.5	260	2.26E+00	1.78E-06	3.55E-04	2.37E+00
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	624	2	0.5	260	3.37E-01	2.65E-07	5.30E-05	3.53E-01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	4185	16	0.5	260	2.26E+00	1.78E-06	3.55E-04	2.37E+00
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	2191	8	0.5	260	1.18E+00	9.30E-07	1.86E-04	1.24E+00
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	104	0	0.5	260	5.62E-02	4.41E-08	8.83E-06	5.88E-02
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	7512	29	0.5	260	4.06E+00	3.19E-06	6.38E-04	4.25E+00
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	6260	24	0.5	260	3.38E+00	2.66E-06	5.31E-04	3.54E+00
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	5008	19	0.5	260	2.66E+00	2.12E-06	4.18E-04	2.79E+00
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	0	0	0.5	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	2635	10	0.5	260	1.40E+00	1.12E-06	2.20E-04	1.47E+00
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	3442	13	0.5	260	1.83E+00	1.46E-06	2.87E-04	1.91E+00
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	3442	13	0.5	260	1.83E+00	1.46E-06	2.87E-04	1.91E+00
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	5848.5	22	0.5	260	3.11E+00	2.48E-06	4.88E-04	3.25E+00
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	2191	8	0.5	260	1.16E+00	9.28E-07	1.83E-04	1.22E+00
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	2556	10	0.5	260	1.36E+00	1.08E-06	2.13E-04	1.42E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	3756	14	0.5	260	2.00E+00	1.59E-06	3.14E-04	2.09E+00
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	1408.5	5	0.5	260	7.48E-01	5.96E-07	1.18E-04	7.83E-01

							Haul Idling Emission Factors												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Emission Factor (g/min)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	1705	7	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	26	0	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	0	0	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	7512	29	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	2191	8	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	5008	19	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	528	2	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	624	2	15	3.73E-02	4.74E-01	5.80E-01	7.60E-04	0.00E+00	2.00E-04	2.00E-04	0.00E+00	1.92E-04	1.92E-04	8.44E+01	3.45E-03	4.42E-02
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	1705	7	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	52	0	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	7512	29	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	15	3.72E-02	4.73E-01	5.80E-01	7.46E-04	0.00E+00	1.96E-04	1.96E-04	0.00E+00	1.87E-04	1.87E-04	8.30E+01	3.49E-03	4.41E-02
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	2945	11	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	26	0	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	3442	13	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	5848.5	22	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	2556	10	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	3756	14	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	3130	12	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	2816	11	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	264	1	15	3.72E-02	4.72E-01	5.81E-01	7.33E-04	0.00E+00	1.93E-04	1.93E-04	0.00E+00	1.84E-04	1.84E-04	8.16E+01	3.52E-03	4.41E-02
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	4185	16	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	0	0	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	624	2	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	4185	16	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	2191	8	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	104	0	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	7512	29	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	6260	24	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	0	0	15	3.71E-02	4.72E-01	5.81E-01	7.20E-04	0.00E+00	1.90E-04	1.90E-04	0.00E+00	1.82E-04	1.82E-04	8.04E+01	3.56E-03	4.41E-02
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	5008	19	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	0	0	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	2635	10	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	3442	13	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	3442	13	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	5848.5	22	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	2191	8	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	2556	10	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	3756	14	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	1408.5	5	15	3.71E-02	4.71E-01	5.81E-01	7.09E-04	0.00E+00	1.87E-04	1.87E-04	0.00E+00	1.79E-04	1.79E-04	7.92E+01	3.59E-03	4.41E-02

							Daily Emissions													
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	1705	7	15	4.04E-03	5.14E-02	6.29E-02	8.24E-05	0.00E+00	2.17E-05	2.17E-05	0.00E+00	2.08E-05	2.08E-05	9.15E+00	3.74E-04	4.79E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	26	0	15	6.16E-05	7.84E-04	9.59E-04	1.26E-06	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.17E-07	3.17E-07	1.40E-01	5.71E-06	7.30E-05
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	15	1.48E-02	1.89E-01	2.31E-01	3.03E-04	0.00E+00	7.97E-05	7.97E-05	0.00E+00	7.63E-05	7.63E-05	3.36E+01	1.37E-03	1.76E-02
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	7512	29	15	1.78E-02	2.26E-01	2.77E-01	3.63E-04	0.00E+00	9.57E-05	9.57E-05	0.00E+00	9.16E-05	9.16E-05	4.03E+01	1.65E-03	2.11E-02
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	2191	8	15	5.19E-03	6.60E-02	8.08E-02	1.06E-04	0.00E+00	2.79E-05	2.79E-05	0.00E+00	2.67E-05	2.67E-05	1.18E+01	4.81E-04	6.15E-03
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	5008	19	15	1.19E-02	1.51E-01	1.85E-01	2.42E-04	0.00E+00	6.38E-05	6.38E-05	0.00E+00	6.10E-05	6.10E-05	2.69E+01	1.10E-03	1.41E-02
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	528	2	15	1.25E-03	1.59E-02	1.95E-02	2.55E-05	0.00E+00	6.73E-06	6.73E-06	0.00E+00	6.44E-06	6.44E-06	2.83E+00	1.16E-04	1.48E-03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	624	2	15	1.48E-03	1.88E-02	2.30E-02	3.02E-05	0.00E+00	7.95E-06	7.95E-06	0.00E+00	7.61E-06	7.61E-06	3.35E+00	1.37E-04	1.75E-03
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	1705	7	15	4.04E-03	5.13E-02	6.29E-02	8.09E-05	0.00E+00	2.12E-05	2.12E-05	0.00E+00	2.03E-05	2.03E-05	9.00E+00	3.78E-04	4.79E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	52	0	15	1.23E-04	1.56E-03	1.92E-03	2.47E-06	0.00E+00	6.48E-07	6.48E-07	0.00E+00	6.20E-07	6.20E-07	2.74E-01	1.15E-05	1.46E-04
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	15	1.48E-02	1.88E-01	2.31E-01	2.97E-04	0.00E+00	7.80E-05	7.80E-05	0.00E+00	7.46E-05	7.46E-05	3.30E+01	1.39E-03	1.76E-02
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	15	1.78E-02	2.26E-01	2.77E-01	3.56E-04	0.00E+00	9.36E-05	9.36E-05	0.00E+00	8.95E-05	8.95E-05	3.96E+01	1.67E-03	2.11E-02
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	7512	29	15	1.78E-02	2.26E-01	2.77E-01	3.56E-04	0.00E+00	9.36E-05	9.36E-05	0.00E+00	8.95E-05	8.95E-05	3.96E+01	1.67E-03	2.11E-02
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	15	1.19E-02	1.51E-01	1.85E-01	2.38E-04	0.00E+00	6.24E-05	6.24E-05	0.00E+00	5.97E-05	5.97E-05	2.64E+01	1.11E-03	1.41E-02
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	15	1.48E-03	1.88E-02	2.30E-02	2.96E-05	0.00E+00	7.77E-06	7.77E-06	0.00E+00	7.44E-06	7.44E-06	3.29E+00	1.38E-04	1.75E-03
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	15	1.25E-03	1.59E-02	1.95E-02	2.50E-05	0.00E+00	6.58E-06	6.58E-06	0.00E+00	6.29E-06	6.29E-06	2.79E+00	1.17E-04	1.48E-03
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	2945	11	15	6.96E-03	8.85E-02	1.09E-01	1.37E-04	0.00E+00	3.61E-05	3.61E-05	0.00E+00	3.45E-05	3.45E-05	1.53E+01	6.60E-04	8.26E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	26	0	15	6.15E-05	7.81E-04	9.60E-04	1.21E-06	0.00E+00	3.19E-07	3.19E-07	0.00E+00	3.05E-07	3.05E-07	1.35E-01	5.82E-06	7.30E-05
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	3442	13	15	8.14E-03	1.03E-01	1.27E-01	1.60E-04	0.00E+00	4.22E-05	4.22E-05	0.00E+00	4.03E-05	4.03E-05	1.79E+01	7.71E-04	9.66E-03
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	5848.5	22	15	1.38E-02	1.76E-01	2.16E-01	2.72E-04	0.00E+00	7.16E-05	7.16E-05	0.00E+00	6.85E-05	6.85E-05	3.04E+01	1.31E-03	1.64E-02
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	15	5.18E-03	6.58E-02	8.09E-02	1.02E-04	0.00E+00	2.68E-05	2.68E-05	0.00E+00	2.57E-05	2.57E-05	1.14E+01	4.91E-04	6.15E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	2556	10	15	6.04E-03	7.68E-02	9.44E-02	1.19E-04	0.00E+00	3.13E-05	3.13E-05	0.00E+00	3.00E-05	3.00E-05	1.33E+01	5.72E-04	7.17E-03
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	3756	14	15	8.88E-03	1.13E-01	1.39E-01	1.75E-04	0.00E+00	4.60E-05	4.60E-05	0.00E+00	4.40E-05	4.40E-05	1.95E+01	8.41E-04	1.05E-02
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	3130	12	15	7.40E-03	9.40E-02	1.16E-01	1.46E-04	0.00E+00	3.83E-05	3.83E-05	0.00E+00	3.67E-05	3.67E-05	1.62E+01	7.01E-04	8.78E-03
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	2816	11	15	6.66E-03	8.46E-02	1.04E-01	1.31E-04	0.00E+00	3.45E-05	3.45E-05	0.00E+00	3.30E-05	3.30E-05	1.46E+01	6.31E-04	7.90E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	264	1	15	6.24E-04	7.93E-03	9.75E-03	1.23E-05	0.00E+00	3.23E-06	3.23E-06	0.00E+00	3.09E-06	3.09E-06	1.37E+00	5.91E-05	7.41E-04
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	4185	16	15	9.88E-03	1.26E-01	1.55E-01	1.92E-04	0.00E+00	5.05E-05	5.05E-05	0.00E+00	4.83E-05	4.83E-05	2.14E+01	9.46E-04	1.17E-02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	624	2	15	1.47E-03	1.87E-02	2.30E-02	2.86E-05	0.00E+00	7.53E-06	7.53E-06	0.00E+00	7.21E-06	7.21E-06	3.19E+00	1.41E-04	1.75E-03
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	4185	16	15	9.88E-03	1.26E-01	1.55E-01	1.92E-04	0.00E+00	5.05E-05	5.05E-05	0.00E+00	4.83E-05	4.83E-05	2.14E+01	9.46E-04	1.17E-02
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	2191	8	15	5.17E-03	6.57E-02	8.09E-02	1.00E-04	0.00E+00	2.64E-05	2.64E-05	0.00E+00	2.53E-05	2.53E-05	1.12E+01	4.95E-04	6.15E-03
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	104	0	15	2.46E-04	3.12E-03	3.84E-03	4.76E-06	0.00E+00	1.26E-06	1.26E-06	0.00E+00	1.20E-06	1.20E-06	5.32E-01	2.35E-05	2.92E-04
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	7512	29	15	1.77E-02	2.25E-01	2.77E-01	3.44E-04	0.00E+00	9.07E-05	9.07E-05	0.00E+00	8.68E-05	8.68E-05	3.84E+01	1.70E-03	2.11E-02
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	6260	24	15	1.48E-02	1.88E-01	2.31E-01	2.87E-04	0.00E+00	7.56E-05	7.56E-05	0.00E+00	7.23E-05	7.23E-05	3.20E+01	1.42E-03	1.76E-02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	5008	19	15	1.18E-02	1.50E-01	1.85E-01	2.26E-04	0.00E+00	5.95E-05	5.95E-05	0.00E+00	5.69E-05	5.69E-05	2.52E+01	1.14E-03	1.40E-02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	2635	10	15	6.21E-03	7.90E-02	9.74E-02	1.19E-04	0.00E+00	3.13E-05	3.13E-05	0.00E+00	2.99E-05	2.99E-05	1.33E+01	6.01E-04	7.39E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	3442	13	15	8.12E-03	1.03E-01	1.27E-01	1.55E-04	0.00E+00	4.09E-05	4.09E-05	0.00E+00	3.91E-05	3.91E-05	1.73E+01	7.85E-04	9.65E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	3442	13	15	8.12E-03	1.03E-01	1.27E-01	1.55E-04	0.00E+00	4.09E-05	4.09E-05	0.00E+00	3.91E-05	3.91E-05	1.73E+01	7.85E-04	9.65E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	5848.5	22	15	1.38E-02	1.75E-01	2.16E-01	2.64E-04	0.00E+00	6.95E-05	6.95E-05	0.00E+00	6.65E-05	6.65E-05	2.95E+01	1.33E-03	1.64E-02
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	2191	8	15	5.17E-03	6.56E-02	8.10E-02	9.88E-05	0.00E+00	2.60E-05	2.60E-05	0.00E+00	2.49E-05	2.49E-05	1.10E+01	5.00E-04	6.14E-03
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	2556	10	15	6.03E-03	7.66E-02	9.45E-02	1.15E-04	0.00E+00	3.04E-05	3.04E-05	0.00E+00	2.90E-05	2.90E-05	1.29E+01	5.83E-04	7.17E-03
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	3756	14	15	8.86E-03	1.13E-01	1.39E-01	1.69E-04	0.00E+00	4.46E-05	4.46E-05	0.00E+00	4.27E-05	4.27E-05	1.89E+01	8.57E-04	1.05E-02
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	1408.5	5	15	3.32E-03	4.22E-02	5.20E-02	6.35E-05	0.00E+00	1.67E-05	1.67E-05	0.00E+00	1.60E-05	1.60E-05	7.10E+00	3.21E-04	3.95E-03

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
								MT/yr			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	1705	7	15	260	1.08E+00	4.42E-05	5.65E-04	1.25E+00
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	26	0	15	260	1.65E-02	6.73E-07	8.61E-06	1.90E-02
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	15	260	3.96E+00	1.62E-04	2.07E-03	4.58E+00
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	7512	29	15	260	4.76E+00	1.95E-04	2.49E-03	5.50E+00
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	2191	8	15	260	1.39E+00	5.67E-05	7.26E-04	1.60E+00
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	5008	19	15	260	3.17E+00	1.30E-04	1.66E-03	3.67E+00
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	528	2	15	260	3.34E-01	1.37E-05	1.75E-04	3.87E-01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	624	2	15	260	3.95E-01	1.62E-05	2.07E-04	4.57E-01
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	1705	7	15	260	1.06E+00	4.46E-05	5.65E-04	1.23E+00
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	52	0	15	260	3.24E-02	1.36E-06	1.72E-05	3.75E-02
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	15	260	3.90E+00	1.64E-04	2.07E-03	4.52E+00
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	15	260	4.67E+00	1.96E-04	2.49E-03	5.42E+00
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	7512	29	15	260	4.67E+00	1.96E-04	2.49E-03	5.42E+00
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	15	260	3.12E+00	1.31E-04	1.66E-03	3.61E+00
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	15	260	3.88E-01	1.63E-05	2.07E-04	4.50E-01
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	15	260	3.29E-01	1.38E-05	1.75E-04	3.81E-01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	2945	11	15	260	1.80E+00	7.78E-05	9.75E-04	2.09E+00
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	26	0	15	260	1.59E-02	6.87E-07	8.60E-06	1.85E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	3442	13	15	260	2.11E+00	9.09E-05	1.14E-03	2.45E+00
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	5848.5	22	15	260	3.58E+00	1.54E-04	1.94E-03	4.16E+00
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	15	260	1.34E+00	5.79E-05	7.25E-04	1.56E+00
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	2556	10	15	260	1.56E+00	6.75E-05	8.46E-04	1.82E+00
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	3756	14	15	260	2.30E+00	9.92E-05	1.24E-03	2.67E+00
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	3130	12	15	260	1.92E+00	8.27E-05	1.04E-03	2.23E+00
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	2816	11	15	260	1.72E+00	7.44E-05	9.32E-04	2.00E+00
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	264	1	15	260	1.62E-01	6.97E-06	8.74E-05	1.88E-01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	4185	16	15	260	2.52E+00	1.12E-04	1.38E-03	2.94E+00
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	624	2	15	260	3.76E-01	1.66E-05	2.06E-04	4.38E-01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	4185	16	15	260	2.52E+00	1.12E-04	1.38E-03	2.94E+00
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	2191	8	15	260	1.32E+00	5.84E-05	7.25E-04	1.54E+00
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	104	0	15	260	6.27E-02	2.77E-06	3.44E-05	7.30E-02
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	7512	29	15	260	4.53E+00	2.00E-04	2.49E-03	5.27E+00
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	6260	24	15	260	3.77E+00	1.67E-04	2.07E-03	4.39E+00
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	5008	19	15	260	2.98E+00	1.35E-04	1.66E-03	3.47E+00
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	2635	10	15	260	1.57E+00	7.09E-05	8.71E-04	1.83E+00
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	3442	13	15	260	2.05E+00	9.26E-05	1.14E-03	2.39E+00
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	3442	13	15	260	2.05E+00	9.26E-05	1.14E-03	2.39E+00
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	5848.5	22	15	260	3.48E+00	1.57E-04	1.93E-03	4.06E+00
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	2191	8	15	260	1.30E+00	5.89E-05	7.25E-04	1.52E+00
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	2556	10	15	260	1.52E+00	6.87E-05	8.45E-04	1.77E+00
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	3756	14	15	260	2.23E+00	1.01E-04	1.24E-03	2.60E+00
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	1408.5	5	15	260	8.37E-01	3.79E-05	4.66E-04	9.77E-01

							Haul Starting Evaporative Emission Factors												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Emission Factor (g/min)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	1705	7	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	26	0	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	0	0	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	7512	29	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	2191	8	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	5008	19	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	528	2	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	624	2	15	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	1705	7	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	52	0	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	7512	29	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	15	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	2945	11	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	26	0	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	3442	13	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	5848.5	22	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	2556	10	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	3756	14	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	3130	12	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	2816	11	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	264	1	15	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	4185	16	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	0	0	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	624	2	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	4185	16	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	2191	8	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	104	0	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	7512	29	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	6260	24	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	0	0	15	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	5008	19	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	0	0	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	2635	10	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	3442	13	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	3442	13	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	5848.5	22	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	2191	8	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	2556	10	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	3756	14	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	1408.5	5	15	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06

							Daily Emissions													
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	1705	7	15	2.70E-06	1.72E-02	4.35E-05	3.62E-09	0.00E+00	3.84E-09	3.84E-09	0.00E+00	3.53E-09	3.53E-09	3.66E-04	2.65E-09	2.60E-08
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	26	0	15	4.12E-08	2.63E-04	6.63E-07	5.52E-11	0.00E+00	5.85E-11	5.85E-11	0.00E+00	5.38E-11	5.38E-11	5.58E-06	4.04E-11	3.97E-10
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	15	9.93E-06	6.33E-02	1.60E-04	1.33E-08	0.00E+00	1.41E-08	1.41E-08	0.00E+00	1.29E-08	1.29E-08	1.34E-03	9.73E-09	9.56E-08
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	7512	29	15	1.19E-05	7.60E-02	1.92E-04	1.60E-08	0.00E+00	1.69E-08	1.69E-08	0.00E+00	1.55E-08	1.55E-08	1.61E-03	1.17E-08	1.15E-07
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	2191	8	15	3.48E-06	2.22E-02	5.59E-05	4.65E-09	0.00E+00	4.93E-09	4.93E-09	0.00E+00	4.53E-09	4.53E-09	4.70E-04	3.40E-09	3.35E-08
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	5008	19	15	7.94E-06	5.07E-02	1.28E-04	1.06E-08	0.00E+00	1.13E-08	1.13E-08	0.00E+00	1.04E-08	1.04E-08	1.07E-03	7.78E-09	7.65E-08
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	528	2	15	8.38E-07	5.34E-03	1.35E-05	1.12E-09	0.00E+00	1.19E-09	1.19E-09	0.00E+00	1.09E-09	1.09E-09	1.13E-04	8.20E-10	8.06E-09
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	624	2	15	9.90E-07	6.31E-03	1.59E-05	1.33E-09	0.00E+00	1.40E-09	1.40E-09	0.00E+00	1.29E-09	1.29E-09	1.34E-04	9.70E-10	9.53E-09
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	1705	7	15	2.61E-06	1.72E-02	4.47E-05	3.67E-09	0.00E+00	3.88E-09	3.88E-09	0.00E+00	3.57E-09	3.57E-09	3.71E-04	2.59E-09	1.83E-08
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	52	0	15	7.97E-08	5.26E-04	1.36E-06	1.12E-10	0.00E+00	1.18E-10	1.18E-10	0.00E+00	1.09E-10	1.09E-10	1.13E-05	7.91E-11	5.58E-10
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	15	9.60E-06	6.33E-02	1.64E-04	1.35E-08	0.00E+00	1.43E-08	1.43E-08	0.00E+00	1.31E-08	1.31E-08	1.36E-03	9.52E-09	6.71E-08
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	15	1.15E-05	7.60E-02	1.97E-04	1.62E-08	0.00E+00	1.71E-08	1.71E-08	0.00E+00	1.57E-08	1.57E-08	1.63E-03	1.14E-08	8.06E-08
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	7512	29	15	1.15E-05	7.60E-02	1.97E-04	1.62E-08	0.00E+00	1.71E-08	1.71E-08	0.00E+00	1.57E-08	1.57E-08	1.63E-03	1.14E-08	8.06E-08
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	15	7.68E-06	5.07E-02	1.31E-04	1.08E-08	0.00E+00	1.14E-08	1.14E-08	0.00E+00	1.05E-08	1.05E-08	1.09E-03	7.62E-09	5.37E-08
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	15	9.56E-07	6.31E-03	1.64E-05	1.34E-09	0.00E+00	1.42E-09	1.42E-09	0.00E+00	1.31E-09	1.31E-09	1.36E-04	9.49E-10	6.69E-09
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	15	8.09E-07	5.34E-03	1.39E-05	1.14E-09	0.00E+00	1.20E-09	1.20E-09	0.00E+00	1.11E-09	1.11E-09	1.15E-04	8.03E-10	5.66E-09
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	2945	11	15	4.59E-06	2.98E-02	8.00E-05	6.46E-09	0.00E+00	7.01E-09	7.01E-09	0.00E+00	6.45E-09	6.45E-09	6.53E-04	4.49E-09	3.09E-08
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	26	0	15	4.06E-08	2.63E-04	7.06E-07	5.71E-11	0.00E+00	6.19E-11	6.19E-11	0.00E+00	5.69E-11	5.69E-11	5.77E-06	3.96E-11	2.73E-10
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	3442	13	15	5.37E-06	3.48E-02	9.35E-05	7.55E-09	0.00E+00	8.20E-09	8.20E-09	0.00E+00	7.54E-09	7.54E-09	7.63E-04	5.25E-09	3.62E-08
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	5848.5	22	15	9.12E-06	5.91E-02	1.59E-04	1.28E-08	0.00E+00	1.39E-08	1.39E-08	0.00E+00	1.28E-08	1.28E-08	1.30E-03	8.92E-09	6.14E-08
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	15	3.42E-06	2.22E-02	5.95E-05	4.81E-09	0.00E+00	5.22E-09	5.22E-09	0.00E+00	4.80E-09	4.80E-09	4.86E-04	3.34E-09	2.30E-08
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	2556	10	15	3.99E-06	2.58E-02	6.94E-05	5.61E-09	0.00E+00	6.09E-09	6.09E-09	0.00E+00	5.60E-09	5.60E-09	5.67E-04	3.90E-09	2.69E-08
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	3756	14	15	5.86E-06	3.80E-02	1.02E-04	8.24E-09	0.00E+00	8.95E-09	8.95E-09	0.00E+00	8.23E-09	8.23E-09	8.33E-04	5.73E-09	3.95E-08
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	3130	12	15	4.88E-06	3.16E-02	8.50E-05	6.87E-09	0.00E+00	7.45E-09	7.45E-09	0.00E+00	6.85E-09	6.85E-09	6.94E-04	4.77E-09	3.29E-08
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	2816	11	15	4.39E-06	2.85E-02	7.65E-05	6.18E-09	0.00E+00	6.71E-09	6.71E-09	0.00E+00	6.17E-09	6.17E-09	6.25E-04	4.29E-09	2.96E-08
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	264	1	15	4.12E-07	2.67E-03	7.17E-06	5.79E-10	0.00E+00	6.29E-10	6.29E-10	0.00E+00	5.78E-10	5.78E-10	5.85E-05	4.03E-10	2.77E-09
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	4185	16	15	6.71E-06	4.23E-02	1.17E-04	9.36E-09	0.00E+00	1.04E-08	1.04E-08	0.00E+00	9.56E-09	9.56E-09	9.46E-04	6.42E-09	3.52E-08
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	624	2	15	1.00E-06	6.31E-03	1.75E-05	1.40E-09	0.00E+00	1.55E-09	1.55E-09	0.00E+00	1.42E-09	1.42E-09	1.41E-04	9.58E-10	5.24E-09
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	4185	16	15	6.71E-06	4.23E-02	1.17E-04	9.36E-09	0.00E+00	1.04E-08	1.04E-08	0.00E+00	9.56E-09	9.56E-09	9.46E-04	6.42E-09	3.52E-08
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	2191	8	15	3.51E-06	2.22E-02	6.15E-05	4.90E-09	0.00E+00	5.44E-09	5.44E-09	0.00E+00	5.00E-09	5.00E-09	4.95E-04	3.36E-09	1.84E-08
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	104	0	15	1.67E-07	1.05E-03	2.92E-06	2.33E-10	0.00E+00	2.58E-10	2.58E-10	0.00E+00	2.37E-10	2.37E-10	2.35E-05	1.60E-10	8.74E-10
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	7512	29	15	1.20E-05	7.60E-02	2.11E-04	1.68E-08	0.00E+00	1.87E-08	1.87E-08	0.00E+00	1.72E-08	1.72E-08	1.70E-03	1.15E-08	6.31E-08
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	6260	24	15	1.00E-05	6.33E-02	1.76E-04	1.40E-08	0.00E+00	1.55E-08	1.55E-08	0.00E+00	1.43E-08	1.43E-08	1.42E-03	9.61E-09	5.26E-08
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	5008	19	15	8.26E-06	5.06E-02	1.45E-04	1.14E-08	0.00E+00	1.29E-08	1.29E-08	0.00E+00	1.18E-08	1.18E-08	1.15E-03	7.68E-09	2.91E-08
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	0	0	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	2635	10	15	4.35E-06	2.66E-02	7.60E-05	5.99E-09	0.00E+00	6.78E-09	6.78E-09	0.00E+00	6.23E-09	6.23E-09	6.05E-04	4.04E-09	1.53E-08
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	3442	13	15	5.68E-06	3.48E-02	9.93E-05	7.82E-09	0.00E+00	8.85E-09	8.85E-09	0.00E+00	8.14E-09	8.14E-09	7.90E-04	5.28E-09	2.00E-08
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	3442	13	15	5.68E-06	3.48E-02	9.93E-05	7.82E-09	0.00E+00	8.85E-09	8.85E-09	0.00E+00	8.14E-09	8.14E-09	7.90E-04	5.28E-09	2.00E-08
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	5848.5	22	15	9.65E-06	5.91E-02	1.69E-04	1.33E-08	0.00E+00	1.50E-08	1.50E-08	0.00E+00	1.38E-08	1.38E-08	1.34E-03	8.97E-09	3.39E-08
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	2191	8	15	3.62E-06	2.22E-02	6.32E-05	4.98E-09	0.00E+00	5.64E-09	5.64E-09	0.00E+00	5.18E-09	5.18E-09	5.03E-04	3.36E-09	1.27E-08
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	2556	10	15	4.22E-06	2.58E-02	7.38E-05	5.81E-09	0.00E+00	6.57E-09	6.57E-09	0.00E+00	6.04E-09	6.04E-09	5.87E-04	3.92E-09	1.48E-08
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	3756	14	15	6.20E-06	3.80E-02	1.08E-04	8.53E-09	0.00E+00	9.66E-09	9.66E-09	0.00E+00	8.88E-09	8.88E-09	8.62E-04	5.76E-09	2.18E-08
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	1408.5	5	15	2.32E-06	1.42E-02	4.06E-05	3.20E-09	0.00E+00	3.62E-09	3.62E-09	0.00E+00	3.33E-09	3.33E-09	3.23E-04	2.16E-09	8.17E-09

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Idle Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
								MT/yr			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	1705	7	15	260	4.32E-05	3.12E-10	3.07E-09	4.41E-05
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	26	0	15	260	6.58E-07	4.76E-12	4.68E-11	6.72E-07
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	15	260	1.58E-04	1.15E-09	1.13E-08	1.62E-04
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	7512	29	15	260	1.90E-04	1.38E-09	1.35E-08	1.94E-04
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	2191	8	15	260	5.55E-05	4.01E-10	3.94E-09	5.66E-05
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	5008	19	15	260	1.27E-04	9.18E-10	9.02E-09	1.29E-04
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	528	2	15	260	1.34E-05	9.67E-11	9.51E-10	1.36E-05
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	624	2	15	260	1.58E-05	1.14E-10	1.12E-09	1.61E-05
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	1705	7	15	260	4.37E-05	3.06E-10	2.16E-09	4.44E-05
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	52	0	15	260	1.33E-06	9.33E-12	6.58E-11	1.35E-06
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	15	260	1.61E-04	1.12E-09	7.92E-09	1.63E-04
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	15	260	1.93E-04	1.35E-09	9.50E-09	1.96E-04
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	7512	29	15	260	1.93E-04	1.35E-09	9.50E-09	1.96E-04
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	15	260	1.28E-04	8.98E-10	6.34E-09	1.30E-04
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	15	260	1.60E-05	1.12E-10	7.89E-10	1.62E-05
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	15	260	1.35E-05	9.47E-11	6.68E-10	1.37E-05
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	2945	11	15	260	7.70E-05	5.30E-10	3.65E-09	7.81E-05
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	26	0	15	260	6.80E-07	4.68E-12	3.22E-11	6.90E-07
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	3442	13	15	260	9.00E-05	6.19E-10	4.26E-09	9.13E-05
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	5848.5	22	15	260	1.53E-04	1.05E-09	7.25E-09	1.55E-04
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	15	260	5.73E-05	3.94E-10	2.71E-09	5.81E-05
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	2556	10	15	260	6.69E-05	4.60E-10	3.17E-09	6.78E-05
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	3756	14	15	260	9.82E-05	6.75E-10	4.65E-09	9.96E-05
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	3130	12	15	260	8.19E-05	5.63E-10	3.88E-09	8.30E-05
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	2816	11	15	260	7.37E-05	5.06E-10	3.49E-09	7.47E-05
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	264	1	15	260	6.90E-06	4.75E-11	3.27E-10	7.00E-06
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	4185	16	15	260	1.12E-04	7.58E-10	4.15E-09	1.13E-04
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	624	2	15	260	1.66E-05	1.13E-10	6.18E-10	1.68E-05
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	4185	16	15	260	1.12E-04	7.58E-10	4.15E-09	1.13E-04
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	2191	8	15	260	5.84E-05	3.97E-10	2.17E-09	5.91E-05
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	104	0	15	260	2.77E-06	1.88E-11	1.03E-10	2.80E-06
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	7512	29	15	260	2.00E-04	1.36E-09	7.44E-09	2.03E-04
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	6260	24	15	260	1.67E-04	1.13E-09	6.20E-09	1.69E-04
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	5008	19	15	260	1.36E-04	9.06E-10	3.43E-09	1.37E-04
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	0	0	15	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	2635	10	15	260	7.13E-05	4.77E-10	1.80E-09	7.19E-05
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	3442	13	15	260	9.32E-05	6.23E-10	2.36E-09	9.39E-05
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	3442	13	15	260	9.32E-05	6.23E-10	2.36E-09	9.39E-05
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	5848.5	22	15	260	1.58E-04	1.06E-09	4.00E-09	1.60E-04
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	2191	8	15	260	5.93E-05	3.96E-10	1.50E-09	5.98E-05
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	2556	10	15	260	6.92E-05	4.62E-10	1.75E-09	6.97E-05
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	3756	14	15	260	1.02E-04	6.80E-10	2.57E-09	1.02E-04
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	1408.5	5	15	260	3.81E-05	2.55E-10	9.64E-10	3.84E-05

OFFSITE Mobile Emissions		CO2	CH4	N2O	CO2e
PhaseName	CalEEMod Phase Name	MT/yr			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	186.35	0.00	0.02	191.74
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	37.31	0.00	0.00	38.07
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	409.21	0.01	0.05	425.37
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	55.91	0.00	0.01	57.78
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	266.52	0.00	0.04	277.38
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	202.35	0.00	0.03	209.97
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	206.65	0.00	0.03	215.27
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	0.00	0.00	0.00	0.00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	62.66	0.00	0.01	64.83
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	94.04	0.00	0.01	96.75
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	60.22	0.00	0.01	62.33
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	182.84	0.00	0.02	188.12
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	37.35	0.00	0.00	38.12
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	401.37	0.01	0.05	417.22
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	261.22	0.00	0.04	271.86
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	261.22	0.00	0.04	271.86
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	202.58	0.00	0.03	211.03
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	61.52	0.00	0.01	63.65
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	54.88	0.00	0.01	56.72
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	0.00	0.00	0.00	0.00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	59.08	0.00	0.01	61.15
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	92.29	0.00	0.01	94.94
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	233.34	0.00	0.03	240.99
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	48.61	0.00	0.00	50.04
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	226.26	0.00	0.03	235.06
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	271.74	0.00	0.03	282.02
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	195.15	0.00	0.02	202.49
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	131.62	0.00	0.02	136.75
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	158.50	0.00	0.02	164.77
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	224.21	0.00	0.03	232.90
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	0.00	0.00	0.00	0.00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	128.53	0.00	0.02	133.69
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	72.35	0.00	0.01	74.56
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	282.42	0.00	0.03	292.37
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	59.60	0.00	0.01	61.67
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	57.16	0.00	0.01	59.17
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	282.42	0.00	0.03	292.37
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	192.09	0.00	0.02	199.32
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	63.28	0.00	0.01	65.23
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	252.20	0.00	0.03	262.47
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	0.00	0.00	0.00	0.00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	388.16	0.01	0.05	403.50
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	0.00	0.00	0.00	0.00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	192.66	0.00	0.03	200.69
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	52.42	0.00	0.01	54.18
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	214.85	0.00	0.02	221.73
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	219.33	0.00	0.03	227.87
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	219.33	0.00	0.03	227.87
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	263.22	0.00	0.03	273.16
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	189.27	0.00	0.02	196.39
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	127.52	0.00	0.02	132.50
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	153.49	0.00	0.02	159.56
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	68.08	0.00	0.01	70.49
	2030	1.58E+03	2.56E-02	1.93E-01	1.64E+03
	2031	1.61E+03	2.21E-02	2.01E-01	1.67E+03
	2032	1.69E+03	2.79E-02	2.09E-01	1.75E+03
	2033	1.82E+03	3.05E-02	2.27E-01	1.89E+03
	2034	1.46E+03	2.32E-02	1.81E-01	1.51E+03

					Worker Running Emission Factors												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission Factor (g/mile)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	10	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	25	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	15	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	10	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	25	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	10	25	6.73E-03	2.95E-02	5.56E-01	2.33E-03	3.45E-01	1.17E-03	3.46E-01	9.13E-02	1.08E-03	9.24E-02	2.35E+02	1.79E-03	3.79E-03
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	25	6.07E-03	2.72E-02	5.35E-01	2.29E-03	3.45E-01	1.10E-03	3.46E-01	9.13E-02	1.01E-03	9.24E-02	2.31E+02	1.64E-03	3.66E-03
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	12.5	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	37.5	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	17.5	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	25	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	12.5	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	17.5	25	5.48E-03	2.53E-02	5.16E-01	2.25E-03	3.45E-01	1.03E-03	3.46E-01	9.13E-02	9.48E-04	9.23E-02	2.27E+02	1.51E-03	3.54E-03
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	50	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	10	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	10	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	50	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	25	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	15	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	25	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	40	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	25	4.96E-03	2.37E-02	4.99E-01	2.21E-03	3.45E-01	9.67E-04	3.46E-01	9.13E-02	8.90E-04	9.22E-02	2.24E+02	1.39E-03	3.45E-03
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	15	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	10	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	50	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	25	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	25	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	37.5	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	25	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	15	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	17.5	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	12.5	25	4.50E-03	2.24E-02	4.83E-01	2.18E-03	3.45E-01	9.08E-04	3.46E-01	9.13E-02	8.36E-04	9.22E-02	2.21E+02	1.28E-03	3.37E-03

					Daily Emissions												
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	25	1.85E-02	8.13E-02	1.53E+00	6.42E-03	9.50E-01	3.23E-03	9.53E-01	2.52E-01	2.97E-03	2.55E-01	6.49E+02	4.94E-03	1.04E-02
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	25	5.56E-03	2.44E-02	4.59E-01	1.93E-03	2.85E-01	9.70E-04	2.86E-01	7.55E-02	8.92E-04	7.64E-02	1.95E+02	1.48E-03	3.13E-03
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	25	1.48E-02	6.51E-02	1.23E+00	5.14E-03	7.60E-01	2.59E-03	7.62E-01	2.01E-01	2.38E-03	2.04E-01	5.19E+02	3.95E-03	8.35E-03
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	10	25	3.71E-03	1.63E-02	3.06E-01	1.28E-03	1.90E-01	6.46E-04	1.91E-01	5.03E-02	5.95E-04	5.09E-02	1.30E+02	9.88E-04	2.09E-03
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	25	9.27E-03	4.07E-02	7.66E-01	3.21E-03	4.75E-01	1.62E-03	4.76E-01	1.26E-01	1.49E-03	1.27E-01	3.24E+02	2.47E-03	5.22E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	25	25	9.27E-03	4.07E-02	7.66E-01	3.21E-03	4.75E-01	1.62E-03	4.76E-01	1.26E-01	1.49E-03	1.27E-01	3.24E+02	2.47E-03	5.22E-03
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	15	25	5.56E-03	2.44E-02	4.59E-01	1.93E-03	2.85E-01	9.70E-04	2.86E-01	7.55E-02	8.92E-04	7.64E-02	1.95E+02	1.48E-03	3.13E-03
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	10	25	3.71E-03	1.63E-02	3.06E-01	1.28E-03	1.90E-01	6.46E-04	1.91E-01	5.03E-02	5.95E-04	5.09E-02	1.30E+02	9.88E-04	2.09E-03
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	25	25	9.27E-03	4.07E-02	7.66E-01	3.21E-03	4.75E-01	1.62E-03	4.76E-01	1.26E-01	1.49E-03	1.27E-01	3.24E+02	2.47E-03	5.22E-03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	10	25	3.71E-03	1.63E-02	3.06E-01	1.28E-03	1.90E-01	6.46E-04	1.91E-01	5.03E-02	5.95E-04	5.09E-02	1.30E+02	9.88E-04	2.09E-03
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	25	1.67E-02	7.50E-02	1.47E+00	6.30E-03	9.50E-01	3.03E-03	9.53E-01	2.52E-01	2.79E-03	2.55E-01	6.37E+02	4.53E-03	1.01E-02
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	25	5.02E-03	2.25E-02	4.42E-01	1.89E-03	2.85E-01	9.10E-04	2.86E-01	7.55E-02	8.37E-04	7.64E-02	1.91E+02	1.36E-03	3.02E-03
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	25	1.34E-02	6.00E-02	1.18E+00	5.04E-03	7.60E-01	2.43E-03	7.62E-01	2.01E-01	2.23E-03	2.04E-01	5.10E+02	3.62E-03	8.06E-03
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	25	8.37E-03	3.75E-02	7.37E-01	3.15E-03	4.75E-01	1.52E-03	4.76E-01	1.26E-01	1.40E-03	1.27E-01	3.18E+02	2.27E-03	5.04E-03
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	25	8.37E-03	3.75E-02	7.37E-01	3.15E-03	4.75E-01	1.52E-03	4.76E-01	1.26E-01	1.40E-03	1.27E-01	3.18E+02	2.27E-03	5.04E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	25	5.02E-03	2.25E-02	4.42E-01	1.89E-03	2.85E-01	9.10E-04	2.86E-01	7.55E-02	8.37E-04	7.64E-02	1.91E+02	1.36E-03	3.02E-03
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	25	3.35E-03	1.50E-02	2.95E-01	1.26E-03	1.90E-01	6.07E-04	1.91E-01	5.03E-02	5.58E-04	5.09E-02	1.27E+02	9.06E-04	2.01E-03
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	25	3.35E-03	1.50E-02	2.95E-01	1.26E-03	1.90E-01	6.07E-04	1.91E-01	5.03E-02	5.58E-04	5.09E-02	1.27E+02	9.06E-04	2.01E-03
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	25	3.35E-03	1.50E-02	2.95E-01	1.26E-03	1.90E-01	6.07E-04	1.91E-01	5.03E-02	5.58E-04	5.09E-02	1.27E+02	9.06E-04	2.01E-03
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	25	8.37E-03	3.75E-02	7.37E-01	3.15E-03	4.75E-01	1.52E-03	4.76E-01	1.26E-01	1.40E-03	1.27E-01	3.18E+02	2.27E-03	5.04E-03
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	25	1.51E-02	6.98E-02	1.42E+00	6.19E-03	9.50E-01	2.84E-03	9.52E-01	2.52E-01	2.61E-03	2.54E-01	6.26E+02	4.16E-03	9.76E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	12.5	25	3.77E-03	1.74E-02	3.55E-01	1.55E-03	2.37E-01	7.10E-04	2.38E-01	6.29E-02	6.53E-04	6.36E-02	1.56E+02	1.04E-03	2.44E-03
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	25	7.55E-03	3.49E-02	7.10E-01	3.10E-03	4.75E-01	1.42E-03	4.76E-01	1.26E-01	1.31E-03	1.27E-01	3.13E+02	2.08E-03	4.88E-03
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	37.5	25	1.13E-02	5.23E-02	1.07E+00	4.64E-03	7.12E-01	2.13E-03	7.14E-01	1.89E-01	1.96E-03	1.91E-01	4.69E+02	3.12E-03	7.32E-03
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	25	7.55E-03	3.49E-02	7.10E-01	3.10E-03	4.75E-01	1.42E-03	4.76E-01	1.26E-01	1.31E-03	1.27E-01	3.13E+02	2.08E-03	4.88E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	25	4.53E-03	2.09E-02	4.26E-01	1.86E-03	2.85E-01	8.52E-04	2.86E-01	7.55E-02	7.84E-04	7.63E-02	1.88E+02	1.25E-03	2.93E-03
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	17.5	25	5.28E-03	2.44E-02	4.97E-01	2.17E-03	3.32E-01	9.94E-04	3.33E-01	8.81E-02	9.15E-04	8.90E-02	2.19E+02	1.45E-03	3.42E-03
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	25	25	7.55E-03	3.49E-02	7.10E-01	3.10E-03	4.75E-01	1.42E-03	4.76E-01	1.26E-01	1.31E-03	1.27E-01	3.13E+02	2.08E-03	4.88E-03
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	12.5	25	3.77E-03	1.74E-02	3.55E-01	1.55E-03	2.37E-01	7.10E-04	2.38E-01	6.29E-02	6.53E-04	6.36E-02	1.56E+02	1.04E-03	2.44E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	17.5	25	5.28E-03	2.44E-02	4.97E-01	2.17E-03	3.32E-01	9.94E-04	3.33E-01	8.81E-02	9.15E-04	8.90E-02	2.19E+02	1.45E-03	3.42E-03
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	50	25	1.37E-02	6.54E-02	1.37E+00	6.10E-03	9.50E-01	2.66E-03	9.52E-01	2.52E-01	2.45E-03	2.54E-01	6.16E+02	3.83E-03	9.50E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	10	25	2.74E-03	1.31E-02	2.75E-01	1.22E-03	1.90E-01	5.33E-04	1.90E-01	5.03E-02	4.90E-04	5.08E-02	1.23E+02	7.67E-04	1.90E-03
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	10	25	2.74E-03	1.31E-02	2.75E-01	1.22E-03	1.90E-01	5.33E-04	1.90E-01	5.03E-02	4.90E-04	5.08E-02	1.23E+02	7.67E-04	1.90E-03
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	50	25	1.37E-02	6.54E-02	1.37E+00	6.10E-03	9.50E-01	2.66E-03	9.52E-01	2.52E-01	2.45E-03	2.54E-01	6.16E+02	3.83E-03	9.50E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	25	25	6.84E-03	3.27E-02	6.87E-01	3.05E-03	4.75E-01	1.33E-03	4.76E-01	1.26E-01	1.23E-03	1.27E-01	3.08E+02	1.92E-03	4.75E-03
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	15	25	4.10E-03	1.96E-02	4.12E-01	1.83E-03	2.85E-01	7.99E-04	2.86E-01	7.55E-02	7.36E-04	7.63E-02	1.85E+02	1.15E-03	2.85E-03
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	25	25	6.84E-03	3.27E-02	6.87E-01	3.05E-03	4.75E-01	1.33E-03	4.76E-01	1.26E-01	1.23E-03	1.27E-01	3.08E+02	1.92E-03	4.75E-03
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	40	25	1.09E-02	5.23E-02	1.10E+00	4.88E-03	7.60E-01	2.13E-03	7.62E-01	2.01E-01	1.96E-03	2.03E-01	4.93E+02	3.07E-03	7.60E-03
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	15	25	3.72E-03	1.85E-02	4.00E-01	1.80E-03	2.85E-01	7.51E-04	2.86E-01	7.55E-02	6.91E-04	7.62E-02	1.82E+02	1.06E-03	2.79E-03
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	10	25	2.48E-03	1.24E-02	2.66E-01	1.20E-03	1.90E-01	5.01E-04	1.90E-01	5.03E-02	4.61E-04	5.08E-02	1.22E+02	7.08E-04	1.86E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	50	25	1.24E-02	6.18E-02	1.33E+00	6.01E-03	9.50E-01	2.50E-03	9.52E-01	2.52E-01	2.30E-03	2.54E-01	6.08E+02	3.54E-03	9.29E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	25	25	6.20E-03	3.09E-02	6.66E-01	3.01E-03	4.75E-01	1.25E-03	4.76E-01	1.26E-01	1.15E-03	1.27E-01	3.04E+02	1.77E-03	4.64E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	25	25	6.20E-03	3.09E-02	6.66E-01	3.01E-03	4.75E-01	1.25E-03	4.76E-01	1.26E-01	1.15E-03	1.27E-01	3.04E+02	1.77E-03	4.64E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	37.5	25	9.29E-03	4.63E-02	9.99E-01	4.51E-03	7.12E-01	1.88E-03	7.14E-01	1.89E-01	1.73E-03	1.91E-01	4.56E+02	2.66E-03	6.97E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	25	25	6.20E-03	3.09E-02	6.66E-01	3.01E-03	4.75E-01	1.25E-03	4.76E-01	1.26E-01	1.15E-03	1.27E-01	3.04E+02	1.77E-03	4.64E-03
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	15	25	3.72E-03	1.85E-02	4.00E-01	1.80E-03	2.85E-01	7.51E-04	2.86E-01	7.55E-02	6.91E-04	7.62E-02	1.82E+02	1.06E-03	2.79E-03
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	17.5	25	4.34E-03	2.16E-02	4.66E-01	2.10E-03	3.32E-01	8.76E-04	3.33E-01	8.81E-02	8.06E-04	8.89E-02	2.13E+02	1.24E-03	3.25E-03
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	12.5	25	3.10E-03	1.54E-02	3.33E-01	1.50E-03	2.37E-01	6.26E-04	2.38E-01	6.29E-02	5.76E-04	6.35E-02	1.52E+02	8.85E-04	2.32E-03

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
						MT/yr			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	25	260	7.65E+01	5.83E-04	1.23E-03	7.69E+01
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	25	260	2.30E+01	1.75E-04	3.69E-04	2.31E+01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	25	260	6.12E+01	4.66E-04	9.85E-04	6.15E+01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	10	25	260	1.53E+01	1.17E-04	2.46E-04	1.54E+01
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	25	260	3.83E+01	2.91E-04	6.16E-04	3.85E+01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	25	25	260	3.83E+01	2.91E-04	6.16E-04	3.85E+01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	15	25	260	2.30E+01	1.75E-04	3.69E-04	2.31E+01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	10	25	260	1.53E+01	1.17E-04	2.46E-04	1.54E+01
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	25	25	260	3.83E+01	2.91E-04	6.16E-04	3.85E+01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	10	25	260	1.53E+01	1.17E-04	2.46E-04	1.54E+01
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	25	260	7.51E+01	5.34E-04	1.19E-03	7.55E+01
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	25	260	2.25E+01	1.60E-04	3.56E-04	2.26E+01
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	25	260	6.01E+01	4.27E-04	9.50E-04	6.04E+01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	25	260	3.76E+01	2.67E-04	5.94E-04	3.77E+01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	25	260	3.76E+01	2.67E-04	5.94E-04	3.77E+01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	25	260	2.25E+01	1.60E-04	3.56E-04	2.26E+01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	25	260	1.50E+01	1.07E-04	2.38E-04	1.51E+01
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	25	260	1.50E+01	1.07E-04	2.38E-04	1.51E+01
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	25	260	1.50E+01	1.07E-04	2.38E-04	1.51E+01
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	25	260	3.76E+01	2.67E-04	5.94E-04	3.77E+01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	25	260	7.38E+01	4.90E-04	1.15E-03	7.42E+01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	12.5	25	260	1.85E+01	1.23E-04	2.88E-04	1.85E+01
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	25	260	3.69E+01	2.45E-04	5.76E-04	3.71E+01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	37.5	25	260	5.54E+01	3.68E-04	8.63E-04	5.56E+01
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	25	260	3.69E+01	2.45E-04	5.76E-04	3.71E+01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	25	260	2.21E+01	1.47E-04	3.45E-04	2.23E+01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	17.5	25	260	2.58E+01	1.72E-04	4.03E-04	2.60E+01
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	25	25	260	3.69E+01	2.45E-04	5.76E-04	3.71E+01
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	12.5	25	260	1.85E+01	1.23E-04	2.88E-04	1.85E+01
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	17.5	25	260	2.58E+01	1.72E-04	4.03E-04	2.60E+01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	50	25	260	7.27E+01	4.52E-04	1.12E-03	7.30E+01
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	10	25	260	1.45E+01	9.04E-05	2.24E-04	1.46E+01
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	10	25	260	1.45E+01	9.04E-05	2.24E-04	1.46E+01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	50	25	260	7.27E+01	4.52E-04	1.12E-03	7.30E+01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	25	25	260	3.63E+01	2.26E-04	5.60E-04	3.65E+01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	15	25	260	2.18E+01	1.36E-04	3.36E-04	2.19E+01
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	25	25	260	3.63E+01	2.26E-04	5.60E-04	3.65E+01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	40	25	260	5.81E+01	3.62E-04	8.97E-04	5.84E+01
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	15	25	260	2.15E+01	1.25E-04	3.29E-04	2.16E+01
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	10	25	260	1.43E+01	8.35E-05	2.19E-04	1.44E+01
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	50	25	260	7.17E+01	4.18E-04	1.10E-03	7.20E+01
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	25	25	260	3.58E+01	2.09E-04	5.48E-04	3.60E+01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	25	25	260	3.58E+01	2.09E-04	5.48E-04	3.60E+01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	37.5	25	260	5.37E+01	3.13E-04	8.21E-04	5.40E+01
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	25	25	260	3.58E+01	2.09E-04	5.48E-04	3.60E+01
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	15	25	260	2.15E+01	1.25E-04	3.29E-04	2.16E+01
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	17.5	25	260	2.51E+01	1.46E-04	3.83E-04	2.52E+01
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	12.5	25	260	1.79E+01	1.04E-04	2.74E-04	1.80E+01

Worker Starting Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
					Emission Factor (g/trip)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	10	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	25	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	15	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	10	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	25	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	10	25	5.70E-01	1.37E-01	1.72E+00	4.65E-04	0.00E+00	1.34E-03	1.34E-03	0.00E+00	1.23E-03	1.23E-03	4.70E+01	3.26E-02	2.00E-02
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	25	5.36E-01	1.31E-01	1.68E+00	4.55E-04	0.00E+00	1.26E-03	1.26E-03	0.00E+00	1.16E-03	1.16E-03	4.60E+01	3.06E-02	1.96E-02
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	12.5	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	37.5	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	17.5	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	25	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	12.5	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	17.5	25	5.04E-01	1.27E-01	1.64E+00	4.46E-04	0.00E+00	1.19E-03	1.19E-03	0.00E+00	1.09E-03	1.09E-03	4.51E+01	2.89E-02	1.92E-02
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	50	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	10	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	10	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	50	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	25	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	15	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	25	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	40	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	25	4.77E-01	1.23E-01	1.60E+00	4.38E-04	0.00E+00	1.12E-03	1.12E-03	0.00E+00	1.03E-03	1.03E-03	4.43E+01	2.74E-02	1.89E-02
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	15	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	10	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	50	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	25	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	25	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	37.5	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	25	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	15	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	17.5	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	12.5	25	4.51E-01	1.20E-01	1.57E+00	4.31E-04	0.00E+00	1.05E-03	1.05E-03	0.00E+00	9.68E-04	9.68E-04	4.36E+01	2.60E-02	1.86E-02

					Daily Emissions													
					ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	25	3.14E-02	7.53E-03	9.47E-02	2.56E-05	0.00E+00	7.38E-05	7.38E-05	0.00E+00	6.79E-05	6.79E-05	2.59E+00	1.80E-03	1.10E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	25	9.43E-03	2.26E-03	2.84E-02	7.69E-06	0.00E+00	2.21E-05	2.21E-05	0.00E+00	2.04E-05	2.04E-05	7.77E-01	5.39E-04	3.31E-04
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	25	2.52E-02	6.03E-03	7.58E-02	2.05E-05	0.00E+00	5.90E-05	5.90E-05	0.00E+00	5.43E-05	5.43E-05	2.07E+00	1.44E-03	8.82E-04
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	10	25	6.29E-03	1.51E-03	1.89E-02	5.13E-06	0.00E+00	1.48E-05	1.48E-05	0.00E+00	1.36E-05	1.36E-05	5.18E-01	3.59E-04	2.21E-04
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	25	1.57E-02	3.77E-03	4.74E-02	1.28E-05	0.00E+00	3.69E-05	3.69E-05	0.00E+00	3.39E-05	3.39E-05	1.30E+00	8.98E-04	5.51E-04
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	25	25	1.57E-02	3.77E-03	4.74E-02	1.28E-05	0.00E+00	3.69E-05	3.69E-05	0.00E+00	3.39E-05	3.39E-05	1.30E+00	8.98E-04	5.51E-04
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	15	25	9.43E-03	2.26E-03	2.84E-02	7.69E-06	0.00E+00	2.21E-05	2.21E-05	0.00E+00	2.04E-05	2.04E-05	7.77E-01	5.39E-04	3.31E-04
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	10	25	6.29E-03	1.51E-03	1.89E-02	5.13E-06	0.00E+00	1.48E-05	1.48E-05	0.00E+00	1.36E-05	1.36E-05	5.18E-01	3.59E-04	2.21E-04
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	25	25	1.57E-02	3.77E-03	4.74E-02	1.28E-05	0.00E+00	3.69E-05	3.69E-05	0.00E+00	3.39E-05	3.39E-05	1.30E+00	8.98E-04	5.51E-04
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	10	25	6.29E-03	1.51E-03	1.89E-02	5.13E-06	0.00E+00	1.48E-05	1.48E-05	0.00E+00	1.36E-05	1.36E-05	5.18E-01	3.59E-04	2.21E-04
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	25	2.95E-02	7.24E-03	9.24E-02	2.51E-05	0.00E+00	6.95E-05	6.95E-05	0.00E+00	6.39E-05	6.39E-05	2.53E+00	1.69E-03	1.08E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	25	8.86E-03	2.17E-03	2.77E-02	7.52E-06	0.00E+00	2.08E-05	2.08E-05	0.00E+00	1.92E-05	1.92E-05	7.60E-01	5.07E-04	3.23E-04
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	25	2.36E-02	5.79E-03	7.39E-02	2.01E-05	0.00E+00	5.56E-05	5.56E-05	0.00E+00	5.11E-05	5.11E-05	2.03E+00	1.35E-03	8.62E-04
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	25	1.48E-02	3.62E-03	4.62E-02	1.25E-05	0.00E+00	3.47E-05	3.47E-05	0.00E+00	3.19E-05	3.19E-05	1.27E+00	8.44E-04	5.39E-04
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	25	1.48E-02	3.62E-03	4.62E-02	1.25E-05	0.00E+00	3.47E-05	3.47E-05	0.00E+00	3.19E-05	3.19E-05	1.27E+00	8.44E-04	5.39E-04
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	25	8.86E-03	2.17E-03	2.77E-02	7.52E-06	0.00E+00	2.08E-05	2.08E-05	0.00E+00	1.92E-05	1.92E-05	7.60E-01	5.07E-04	3.23E-04
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	25	5.90E-03	1.45E-03	1.85E-02	5.02E-06	0.00E+00	1.39E-05	1.39E-05	0.00E+00	1.28E-05	1.28E-05	5.07E-01	3.38E-04	2.16E-04
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	25	5.90E-03	1.45E-03	1.85E-02	5.02E-06	0.00E+00	1.39E-05	1.39E-05	0.00E+00	1.28E-05	1.28E-05	5.07E-01	3.38E-04	2.16E-04
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	25	5.90E-03	1.45E-03	1.85E-02	5.02E-06	0.00E+00	1.39E-05	1.39E-05	0.00E+00	1.28E-05	1.28E-05	5.07E-01	3.38E-04	2.16E-04
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	25	1.48E-02	3.62E-03	4.62E-02	1.25E-05	0.00E+00	3.47E-05	3.47E-05	0.00E+00	3.19E-05	3.19E-05	1.27E+00	8.44E-04	5.39E-04
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	25	2.78E-02	7.00E-03	9.03E-02	2.46E-05	0.00E+00	6.54E-05	6.54E-05	0.00E+00	6.01E-05	6.01E-05	2.48E+00	1.59E-03	1.06E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	12.5	25	6.95E-03	1.75E-03	2.26E-02	6.15E-06	0.00E+00	1.63E-05	1.63E-05	0.00E+00	1.50E-05	1.50E-05	6.21E-01	3.98E-04	2.64E-04
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	25	1.39E-02	3.50E-03	4.51E-02	1.23E-05	0.00E+00	3.27E-05	3.27E-05	0.00E+00	3.01E-05	3.01E-05	1.24E+00	7.97E-04	5.29E-04
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	37.5	25	2.09E-02	5.25E-03	6.77E-02	1.84E-05	0.00E+00	4.90E-05	4.90E-05	0.00E+00	4.51E-05	4.51E-05	1.86E+00	1.20E-03	7.93E-04
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	25	1.39E-02	3.50E-03	4.51E-02	1.23E-05	0.00E+00	3.27E-05	3.27E-05	0.00E+00	3.01E-05	3.01E-05	1.24E+00	7.97E-04	5.29E-04
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	25	8.34E-03	2.10E-03	2.71E-02	7.38E-06	0.00E+00	1.96E-05	1.96E-05	0.00E+00	1.80E-05	1.80E-05	7.45E-01	4.78E-04	3.17E-04
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	17.5	25	9.73E-03	2.45E-03	3.16E-02	8.61E-06	0.00E+00	2.29E-05	2.29E-05	0.00E+00	2.10E-05	2.10E-05	8.70E-01	5.58E-04	3.70E-04
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	25	25	1.39E-02	3.50E-03	4.51E-02	1.23E-05	0.00E+00	3.27E-05	3.27E-05	0.00E+00	3.01E-05	3.01E-05	1.24E+00	7.97E-04	5.29E-04
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	12.5	25	6.95E-03	1.75E-03	2.26E-02	6.15E-06	0.00E+00	1.63E-05	1.63E-05	0.00E+00	1.50E-05	1.50E-05	6.21E-01	3.98E-04	2.64E-04
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	17.5	25	9.73E-03	2.45E-03	3.16E-02	8.61E-06	0.00E+00	2.29E-05	2.29E-05	0.00E+00	2.10E-05	2.10E-05	8.70E-01	5.58E-04	3.70E-04
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	50	25	2.63E-02	6.80E-03	8.84E-02	2.41E-05	0.00E+00	6.16E-05	6.16E-05	0.00E+00	5.66E-05	5.66E-05	2.44E+00	1.51E-03	1.04E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	10	25	5.25E-03	1.36E-03	1.77E-02	4.83E-06	0.00E+00	1.23E-05	1.23E-05	0.00E+00	1.13E-05	1.13E-05	4.88E-01	3.02E-04	2.08E-04
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	10	25	5.25E-03	1.36E-03	1.77E-02	4.83E-06	0.00E+00	1.23E-05	1.23E-05	0.00E+00	1.13E-05	1.13E-05	4.88E-01	3.02E-04	2.08E-04
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	50	25	2.63E-02	6.80E-03	8.84E-02	2.41E-05	0.00E+00	6.16E-05	6.16E-05	0.00E+00	5.66E-05	5.66E-05	2.44E+00	1.51E-03	1.04E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	25	25	1.31E-02	3.40E-03	4.42E-02	1.21E-05	0.00E+00	3.08E-05	3.08E-05	0.00E+00	2.83E-05	2.83E-05	1.22E+00	7.55E-04	5.20E-04
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	15	25	7.88E-03	2.04E-03	2.65E-02	7.24E-06	0.00E+00	1.85E-05	1.85E-05	0.00E+00	1.70E-05	1.70E-05	7.32E-01	4.53E-04	3.12E-04
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	25	25	1.31E-02	3.40E-03	4.42E-02	1.21E-05	0.00E+00	3.08E-05	3.08E-05	0.00E+00	2.83E-05	2.83E-05	1.22E+00	7.55E-04	5.20E-04
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	40	25	2.10E-02	5.44E-03	7.07E-02	1.93E-05	0.00E+00	4.93E-05	4.93E-05	0.00E+00	4.53E-05	4.53E-05	1.95E+00	1.21E-03	8.33E-04
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	15	25	7.46E-03	1.99E-03	2.60E-02	7.13E-06	0.00E+00	1.74E-05	1.74E-05	0.00E+00	1.60E-05	1.60E-05	7.20E-01	4.30E-04	3.08E-04
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	10	25	4.98E-03	1.33E-03	1.73E-02	4.75E-06	0.00E+00	1.16E-05	1.16E-05	0.00E+00	1.07E-05	1.07E-05	4.80E-01	2.87E-04	2.05E-04
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	50	25	2.49E-02	6.64E-03	8.66E-02	2.38E-05	0.00E+00	5.80E-05	5.80E-05	0.00E+00	5.34E-05	5.34E-05	2.40E+00	1.43E-03	1.03E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	25	25	1.24E-02	3.32E-03	4.33E-02	1.19E-05	0.00E+00	2.90E-05	2.90E-05	0.00E+00	2.67E-05	2.67E-05	1.20E+00	7.16E-04	5.13E-04
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	25	25	1.24E-02	3.32E-03	4.33E-02	1.19E-05	0.00E+00	2.90E-05	2.90E-05	0.00E+00	2.67E-05	2.67E-05	1.20E+00	7.16E-04	5.13E-04
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	37.5	25	1.87E-02	4.98E-03	6.50E-02	1.78E-05	0.00E+00	4.35E-05	4.35E-05	0.00E+00	4.00E-05	4.00E-05	1.80E+00	1.07E-03	7.70E-04
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	25	25	1.24E-02	3.32E-03	4.33E-02	1.19E-05	0.00E+00	2.90E-05	2.90E-05	0.00E+00	2.67E-05	2.67E-05	1.20E+00	7.16E-04	5.13E-04
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	15	25	7.46E-03	1.99E-03	2.60E-02	7.13E-06	0.00E+00	1.74E-05	1.74E-05	0.00E+00	1.60E-05	1.60E-05	7.20E-01	4.30E-04	3.08E-04
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	17.5	25	8.71E-03	2.32E-03	3.03E-02	8.31E-06	0.00E+00	2.03E-05	2.03E-05	0.00E+00	1.87E-05	1.87E-05	8.40E-01	5.01E-04	3.59E-04
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	12.5	25	6.22E-03	1.66E-03	2.17E-02	5.94E-06	0.00E+00	1.45E-05	1.45E-05	0.00E+00	1.33E-05	1.33E-05	6.00E-01	3.58E-04	2.57E-04

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Worker Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
						MT/yr			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	50	25	260	3.05E-01	2.12E-04	1.30E-04	3.50E-01
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	15	25	260	9.16E-02	6.35E-05	3.90E-05	1.05E-01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	40	25	260	2.44E-01	1.69E-04	1.04E-04	2.80E-01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	10	25	260	6.11E-02	4.24E-05	2.60E-05	6.99E-02
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	25	25	260	1.53E-01	1.06E-04	6.50E-05	1.75E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	25	25	260	1.53E-01	1.06E-04	6.50E-05	1.75E-01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	15	25	260	9.16E-02	6.35E-05	3.90E-05	1.05E-01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	10	25	260	6.11E-02	4.24E-05	2.60E-05	6.99E-02
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	25	25	260	1.53E-01	1.06E-04	6.50E-05	1.75E-01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	10	25	260	6.11E-02	4.24E-05	2.60E-05	6.99E-02
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	50	25	260	2.99E-01	1.99E-04	1.27E-04	3.42E-01
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	15	25	260	8.97E-02	5.97E-05	3.81E-05	1.03E-01
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	40	25	260	2.39E-01	1.59E-04	1.02E-04	2.73E-01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	25	25	260	1.49E-01	9.96E-05	6.36E-05	1.71E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	25	25	260	1.49E-01	9.96E-05	6.36E-05	1.71E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	15	25	260	8.97E-02	5.97E-05	3.81E-05	1.03E-01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	10	25	260	5.98E-02	3.98E-05	2.54E-05	6.84E-02
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	10	25	260	5.98E-02	3.98E-05	2.54E-05	6.84E-02
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	10	25	260	5.98E-02	3.98E-05	2.54E-05	6.84E-02
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	25	25	260	1.49E-01	9.96E-05	6.36E-05	1.71E-01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	50	25	260	2.93E-01	1.88E-04	1.25E-04	3.35E-01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	12.5	25	260	7.33E-02	4.70E-05	3.12E-05	8.37E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	25	25	260	1.47E-01	9.40E-05	6.24E-05	1.67E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	37.5	25	260	2.20E-01	1.41E-04	9.35E-05	2.51E-01
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	25	25	260	1.47E-01	9.40E-05	6.24E-05	1.67E-01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	15	25	260	8.79E-02	5.64E-05	3.74E-05	1.00E-01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	17.5	25	260	1.03E-01	6.58E-05	4.37E-05	1.17E-01
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	25	25	260	1.47E-01	9.40E-05	6.24E-05	1.67E-01
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	12.5	25	260	7.33E-02	4.70E-05	3.12E-05	8.37E-02
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	17.5	25	260	1.03E-01	6.58E-05	4.37E-05	1.17E-01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	50	25	260	2.88E-01	1.78E-04	1.23E-04	3.29E-01
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	10	25	260	5.76E-02	3.56E-05	2.45E-05	6.58E-02
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	10	25	260	5.76E-02	3.56E-05	2.45E-05	6.58E-02
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	50	25	260	2.88E-01	1.78E-04	1.23E-04	3.29E-01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	25	25	260	1.44E-01	8.90E-05	6.14E-05	1.64E-01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	15	25	260	8.63E-02	5.34E-05	3.68E-05	9.86E-02
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	25	25	260	1.44E-01	8.90E-05	6.14E-05	1.64E-01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	40	25	260	2.30E-01	1.42E-04	9.82E-05	2.63E-01
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	15	25	260	8.49E-02	5.07E-05	3.63E-05	9.70E-02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	10	25	260	5.66E-02	3.38E-05	2.42E-05	6.47E-02
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	50	25	260	2.83E-01	1.69E-04	1.21E-04	3.23E-01
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	25	25	260	1.42E-01	8.45E-05	6.06E-05	1.62E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	25	25	260	1.42E-01	8.45E-05	6.06E-05	1.62E-01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	37.5	25	260	2.12E-01	1.27E-04	9.08E-05	2.43E-01
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	25	25	260	1.42E-01	8.45E-05	6.06E-05	1.62E-01
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	15	25	260	8.49E-02	5.07E-05	3.63E-05	9.70E-02
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	17.5	25	260	9.91E-02	5.91E-05	4.24E-05	1.13E-01
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	12.5	25	260	7.08E-02	4.22E-05	3.03E-05	8.08E-02

Vendor Running Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/mile)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	9	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	2	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	6	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	2	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	6	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	7	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	6	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	4	25	15	1.51E-02	1.67E+00	2.94E-01	9.60E-03	4.19E-01	1.33E-02	4.33E-01	1.21E-01	1.27E-02	1.33E-01	1.04E+03	4.02E-02	1.50E-01
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	9	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	2	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	2	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	25	15	1.48E-02	1.66E+00	2.94E-01	9.42E-03	4.19E-01	1.30E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.02E+03	4.03E-02	1.48E-01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	12	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	4.5	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	14.5	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	8.5	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	4.5	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	15.5	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	5	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	25	15	1.46E-02	1.65E+00	2.94E-01	9.27E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.24E-02	1.33E-01	1.00E+03	4.05E-02	1.45E-01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	7	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	4	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	6	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	2	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	25	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	25	15	1.44E-02	1.64E+00	2.94E-01	9.13E-03	4.19E-01	1.29E-02	4.32E-01	1.21E-01	1.23E-02	1.33E-01	9.89E+02	4.06E-02	1.43E-01
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	6	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	6	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	11.5	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	14.5	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	14.5	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.5	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	6	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	4.5	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	2	25	15	1.42E-02	1.63E+00	2.94E-01	9.00E-03	4.19E-01	1.28E-02	4.32E-01	1.21E-01	1.22E-02	1.33E-01	9.75E+02	4.07E-02	1.41E-01

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Daily Emissions ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	9	25	15	7.47E-03	8.28E-01	1.46E-01	4.76E-03	2.08E-01	6.60E-03	2.15E-01	5.98E-02	6.31E-03	6.61E-02	5.16E+02	1.99E-02	7.45E-02
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	2	25	15	1.66E-03	1.84E-01	3.24E-02	1.06E-03	4.62E-02	1.47E-03	4.77E-02	1.33E-02	1.40E-03	1.47E-02	1.15E+02	4.43E-03	1.66E-02
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	25	15	2.08E-02	2.30E+00	4.05E-01	1.32E-02	5.78E-01	1.83E-02	5.96E-01	1.66E-01	1.75E-02	1.84E-01	1.43E+03	5.54E-02	2.07E-01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	6	25	15	4.98E-03	5.52E-01	9.73E-02	3.18E-03	1.39E-01	4.40E-03	1.43E-01	3.99E-02	4.21E-03	4.41E-02	3.44E+02	1.33E-02	4.97E-02
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	2	25	15	1.66E-03	1.84E-01	3.24E-02	1.06E-03	4.62E-02	1.47E-03	4.77E-02	1.33E-02	1.40E-03	1.47E-02	1.15E+02	4.43E-03	1.66E-02
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	25	15	1.25E-02	1.38E+00	2.43E-01	7.94E-03	3.47E-01	1.10E-02	3.58E-01	9.96E-02	1.05E-02	1.10E-01	8.59E+02	3.32E-02	1.24E-01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	6	25	15	4.98E-03	5.52E-01	9.73E-02	3.18E-03	1.39E-01	4.40E-03	1.43E-01	3.99E-02	4.21E-03	4.41E-02	3.44E+02	1.33E-02	4.97E-02
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	7	25	15	5.81E-03	6.44E-01	1.13E-01	3.71E-03	1.62E-01	5.13E-03	1.67E-01	4.65E-02	4.91E-03	5.14E-02	4.01E+02	1.55E-02	5.80E-02
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	6	25	15	4.98E-03	5.52E-01	9.73E-02	3.18E-03	1.39E-01	4.40E-03	1.43E-01	3.99E-02	4.21E-03	4.41E-02	3.44E+02	1.33E-02	4.97E-02
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	4	25	15	3.32E-03	3.68E-01	6.49E-02	2.12E-03	9.24E-02	2.93E-03	9.53E-02	2.66E-02	2.80E-03	2.94E-02	2.29E+02	8.87E-03	3.31E-02
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	9	25	15	7.32E-03	8.24E-01	1.46E-01	4.67E-03	2.08E-01	6.43E-03	2.14E-01	5.98E-02	6.15E-03	6.59E-02	5.06E+02	2.00E-02	7.32E-02
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	2	25	15	1.63E-03	1.83E-01	3.24E-02	1.04E-03	4.62E-02	1.43E-03	4.76E-02	1.33E-02	1.37E-03	1.47E-02	1.12E+02	4.45E-03	1.63E-02
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	25	15	2.03E-02	2.29E+00	4.06E-01	1.30E-02	5.78E-01	1.79E-02	5.95E-01	1.66E-01	1.71E-02	1.83E-01	1.41E+03	5.56E-02	2.03E-01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	25	15	1.63E-03	1.83E-01	3.24E-02	1.04E-03	4.62E-02	1.43E-03	4.76E-02	1.33E-02	1.37E-03	1.47E-02	1.12E+02	4.45E-03	1.63E-02
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	2	25	15	1.63E-03	1.83E-01	3.24E-02	1.04E-03	4.62E-02	1.43E-03	4.76E-02	1.33E-02	1.37E-03	1.47E-02	1.12E+02	4.45E-03	1.63E-02
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	25	15	4.88E-03	5.49E-01	9.73E-02	3.12E-03	1.39E-01	4.29E-03	1.43E-01	3.99E-02	4.10E-03	4.40E-02	3.37E+02	1.33E-02	4.88E-02
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	25	15	5.70E-03	6.41E-01	1.14E-01	3.64E-03	1.62E-01	5.00E-03	1.67E-01	4.65E-02	4.79E-03	5.13E-02	3.94E+02	1.56E-02	5.69E-02
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	25	15	4.88E-03	5.49E-01	9.73E-02	3.12E-03	1.39E-01	4.29E-03	1.43E-01	3.99E-02	4.10E-03	4.40E-02	3.37E+02	1.33E-02	4.88E-02
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	25	15	3.26E-03	3.66E-01	6.49E-02	2.08E-03	9.24E-02	2.86E-03	9.53E-02	2.66E-02	2.74E-03	2.93E-02	2.25E+02	8.89E-03	3.25E-02
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	25	15	4.88E-03	5.49E-01	9.73E-02	3.12E-03	1.39E-01	4.29E-03	1.43E-01	3.99E-02	4.10E-03	4.40E-02	3.37E+02	1.33E-02	4.88E-02
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	12	25	15	9.63E-03	1.09E+00	1.95E-01	6.13E-03	2.77E-01	8.54E-03	2.86E-01	7.97E-02	8.17E-03	8.79E-02	6.64E+02	2.68E-02	9.61E-02
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	4.5	25	15	3.61E-03	4.09E-01	7.29E-02	2.30E-03	1.04E-01	3.20E-03	1.07E-01	2.99E-02	3.06E-03	3.30E-02	2.49E+02	1.00E-02	3.60E-02
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	14.5	25	15	1.16E-02	1.32E+00	2.35E-01	7.41E-03	3.35E-01	1.03E-02	3.45E-01	9.63E-02	9.87E-03	1.06E-01	8.02E+02	3.23E-02	1.16E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	8.5	25	15	6.82E-03	7.73E-01	1.38E-01	4.34E-03	1.96E-01	6.05E-03	2.02E-01	5.65E-02	5.79E-03	6.22E-02	4.70E+02	1.90E-02	6.81E-02
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	25	15	1.20E-02	1.36E+00	2.43E-01	7.66E-03	3.47E-01	1.07E-02	3.57E-01	9.96E-02	1.02E-02	1.10E-01	8.30E+02	3.35E-02	1.20E-01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	25	15	4.81E-03	5.45E-01	9.73E-02	3.07E-03	1.39E-01	4.27E-03	1.43E-01	3.99E-02	4.08E-03	4.39E-02	3.32E+02	1.34E-02	4.80E-02
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	4.5	25	15	3.61E-03	4.09E-01	7.29E-02	2.30E-03	1.04E-01	3.20E-03	1.07E-01	2.99E-02	3.06E-03	3.30E-02	2.49E+02	1.00E-02	3.60E-02
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	15.5	25	15	1.24E-02	1.41E+00	2.51E-01	7.92E-03	3.58E-01	1.10E-02	3.69E-01	1.03E-01	1.06E-02	1.13E-01	8.58E+02	3.46E-02	1.24E-01
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	5	25	15	4.01E-03	4.54E-01	8.11E-02	2.55E-03	1.16E-01	3.56E-03	1.19E-01	3.32E-02	3.40E-03	3.66E-02	2.77E+02	1.12E-02	4.00E-02
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	25	15	4.81E-03	5.45E-01	9.73E-02	3.07E-03	1.39E-01	4.27E-03	1.43E-01	3.99E-02	4.08E-03	4.39E-02	3.32E+02	1.34E-02	4.80E-02
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	25	15	1.19E-02	1.35E+00	2.43E-01	7.55E-03	3.47E-01	1.06E-02	3.57E-01	9.96E-02	1.02E-02	1.10E-01	8.18E+02	3.36E-02	1.18E-01
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	7	25	15	5.55E-03	6.32E-01	1.13E-01	3.52E-03	1.62E-01	4.96E-03	1.67E-01	4.65E-02	4.75E-03	5.12E-02	3.82E+02	1.57E-02	5.53E-02
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	4	25	15	3.17E-03	3.61E-01	6.48E-02	2.01E-03	9.24E-02	2.83E-03	9.53E-02	2.66E-02	2.71E-03	2.93E-02	2.18E+02	8.95E-03	3.16E-02
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	25	15	1.19E-02	1.35E+00	2.43E-01	7.55E-03	3.47E-01	1.06E-02	3.57E-01	9.96E-02	1.02E-02	1.10E-01	8.18E+02	3.36E-02	1.18E-01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	25	15	1.19E-02	1.35E+00	2.43E-01	7.55E-03	3.47E-01	1.06E-02	3.57E-01	9.96E-02	1.02E-02	1.10E-01	8.18E+02	3.36E-02	1.18E-01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	6	25	15	4.76E-03	5.42E-01	9.72E-02	3.02E-03	1.39E-01	4.25E-03	1.43E-01	3.99E-02	4.07E-03	4.39E-02	3.27E+02	1.34E-02	4.74E-02
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	2	25	15	1.59E-03	1.81E-01	3.24E-02	1.01E-03	4.62E-02	1.42E-03	4.76E-02	1.33E-02	1.36E-03	1.46E-02	1.09E+02	4.47E-03	1.58E-02
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	25	25	15	1.98E-02	2.26E+00	4.05E-01	1.26E-02	5.78E-01	1.77E-02	5.95E-01	1.66E-01	1.69E-02	1.83E-01	1.36E+03	5.59E-02	1.97E-01
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	6	25	15	4.71E-03	5.38E-01	9.72E-02	2.98E-03	1.39E-01	4.23E-03	1.43E-01	3.99E-02	4.05E-03	4.39E-02	3.22E+02	1.35E-02	4.67E-02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	6	25	15	4.71E-03	5.38E-01	9.72E-02	2.98E-03	1.39E-01	4.23E-03	1.43E-01	3.99E-02	4.05E-03	4.39E-02	3.22E+02	1.35E-02	4.67E-02
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	11.5	25	15	9.02E-03	1.03E+00	1.86E-01	5.70E-03	2.66E-01	8.11E-03	2.74E-01	7.64E-02	7.76E-03	8.41E-02	6.18E+02	2.58E-02	8.95E-02
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	14.5	25	15	1.14E-02	1.30E+00	2.35E-01	7.19E-03	3.35E-01	1.02E-02	3.45E-01	9.63E-02	9.78E-03	1.06E-01	7.79E+02	3.25E-02	1.13E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	14.5	25	15	1.14E-02	1.30E+00	2.35E-01	7.19E-03	3.35E-01	1.02E-02	3.45E-01	9.63E-02	9.78E-03	1.06E-01	7.79E+02	3.25E-02	1.13E-01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.5	25	15	6.67E-03	7.62E-01	1.38E-01	4.22E-03	1.96E-01	5.99E-03	2.02E-01	5.65E-02	5.73E-03	6.22E-02	4.57E+02	1.91E-02	6.62E-02
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	25	15	1.18E-02	1.35E+00	2.43E-01	7.44E-03	3.47E-01	1.06E-02	3.57E-01	9.96E-02	1.01E-02	1.10E-01	8.06E+02	3.36E-02	1.17E-01
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	6	25	15	4.71E-03	5.38E-01	9.72E-02	2.98E-03	1.39E-01	4.23E-03	1.43E-01	3.99E-02	4.05E-03	4.39E-02	3.22E+02	1.35E-02	4.67E-02
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	4.5	25	15	3.53E-03	4.04E-01	7.29E-02	2.23E-03	1.04E-01	3.17E-03	1.07E-01	2.99E-02	3.03E-03	3.29E-02	2.42E+02	1.01E-02	3.50E-02
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	2	25	15	1.57E-03	1.79E-01	3.24E-02	9.92E-04	4.62E-02	1.41E-03	4.76E-02	1.33E-02	1.35E-03	1.46E-02	1.07E+02	4.48E-03	1.56E-02

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
							MT/year			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	9	25	15	260	60.8028359	0.00235262	0.00879039	6.35E+01
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	2	25	15	260	13.5117413	0.0005228	0.00195342	1.41E+01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	25	15	260	168.896766	0.00653506	0.02441775	1.76E+02
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	6	25	15	260	40.5352239	0.00156841	0.00586026	4.23E+01
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	2	25	15	260	13.5117413	0.0005228	0.00195342	1.41E+01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	25	15	260	101.33806	0.00392104	0.01465065	1.06E+02
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	6	25	15	260	40.5352239	0.00156841	0.00586026	4.23E+01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	25	15	260	0	0	0	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	7	25	15	260	47.2910946	0.00182982	0.00683697	4.94E+01
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	6	25	15	260	40.5352239	0.00156841	0.00586026	4.23E+01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	4	25	15	260	27.0234826	0.00104561	0.00390684	2.82E+01
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	9	25	15	260	59.6932078	0.00236029	0.00863446	6.23E+01
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	2	25	15	260	13.2651573	0.00052451	0.00191877	1.39E+01
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	25	15	260	165.814466	0.00655636	0.02398461	1.73E+02
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	25	15	260	13.2651573	0.00052451	0.00191877	1.39E+01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	2	25	15	260	13.2651573	0.00052451	0.00191877	1.39E+01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	25	15	260	39.7954719	0.00157353	0.00575631	4.16E+01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	25	15	260	46.4280505	0.00183578	0.00671569	4.85E+01
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	25	15	260	39.7954719	0.00157353	0.00575631	4.16E+01
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	15	260	0	0	0	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	25	15	260	26.5303146	0.00104902	0.00383754	2.77E+01
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	25	15	260	39.7954719	0.00157353	0.00575631	4.16E+01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	12	25	15	260	78.3115727	0.00315651	0.01133276	8.18E+01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	4.5	25	15	260	29.3668398	0.00118369	0.00424979	3.07E+01
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	14.5	25	15	260	94.6264837	0.00381411	0.01369375	9.88E+01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	8.5	25	15	260	55.4706973	0.00223586	0.00802737	5.79E+01
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	25	15	260	97.8894659	0.00394563	0.01416595	1.02E+02
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	25	15	260	39.1557864	0.00157825	0.00566638	4.09E+01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	4.5	25	15	260	29.3668398	0.00118369	0.00424979	3.07E+01
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	15.5	25	15	260	101.152448	0.00407715	0.01463815	1.06E+02
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	15	260	0	0	0	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	5	25	15	260	32.629822	0.00131521	0.00472198	3.41E+01
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	25	15	260	39.1557864	0.00157825	0.00566638	4.09E+01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	25	15	260	96.4388828	0.00395697	0.01396268	1.01E+02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	7	25	15	260	45.004812	0.00184659	0.00651592	4.70E+01
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	4	25	15	260	25.7170354	0.00105519	0.00372338	2.69E+01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	25	15	260	96.4388828	0.00395697	0.01396268	1.01E+02
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	25	15	260	96.4388828	0.00395697	0.01396268	1.01E+02
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	6	25	15	260	38.5755531	0.00158279	0.00558507	4.03E+01
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	2	25	15	260	12.8585177	0.0005276	0.00186169	1.34E+01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	15	260	0	0	0	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	25	25	15	260	160.731471	0.00659495	0.02327113	1.68E+02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	25	15	260	0	0	0	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	6	25	15	260	38.0319006	0.00158659	0.00550858	3.97E+01
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	6	25	15	260	38.0319006	0.00158659	0.00550858	3.97E+01
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	11.5	25	15	260	72.8944761	0.00304096	0.01055812	7.61E+01
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	14.5	25	15	260	91.9104264	0.00383425	0.01331241	9.60E+01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	14.5	25	15	260	91.9104264	0.00383425	0.01331241	9.60E+01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.5	25	15	260	53.8785258	0.00224767	0.00780383	5.63E+01
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	25	15	260	95.0797514	0.00396647	0.01377146	9.93E+01
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	6	25	15	260	38.0319006	0.00158659	0.00550858	3.97E+01
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	4.5	25	15	260	28.5239254	0.00118994	0.00413144	2.98E+01
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	2	25	15	260	12.6773002	0.00052886	0.00183619	1.32E+01

Vendor Starting Evaporative Emission Factors

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
						Emission Factor (g/trip)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	9	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	2	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	6	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	2	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	6	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	7	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	6	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	4	25	15	6.88E-02	2.04E+00	4.16E-01	4.27E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.62E-05	4.62E-05	4.32E+00	4.12E-03	3.75E-03
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	9	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	2	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	2	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	25	15	6.67E-02	2.04E+00	4.03E-01	4.17E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.21E+00	4.04E-03	3.72E-03
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	12	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	4.5	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	14.5	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	8.5	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	4.5	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	15.5	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	5	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	25	15	6.49E-02	2.04E+00	3.93E-01	4.08E-05	0.00E+00	5.00E-05	5.00E-05	0.00E+00	4.60E-05	4.60E-05	4.13E+00	3.98E-03	3.70E-03
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	7	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	4	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	6	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	2	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	25	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	25	15	6.35E-02	2.04E+00	3.85E-01	4.01E-05	0.00E+00	5.01E-05	5.01E-05	0.00E+00	4.60E-05	4.60E-05	4.05E+00	3.94E-03	3.70E-03
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	6	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	6	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	11.5	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	14.5	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	14.5	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.5	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	6	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	4.5	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	2	25	15	6.22E-02	2.05E+00	3.78E-01	3.94E-05	0.00E+00	5.02E-05	5.02E-05	0.00E+00	4.61E-05	4.61E-05	3.99E+00	3.90E-03	3.69E-03

						Daily Emissions													
						ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	9	25	15	6.83E-04	2.02E-02	4.13E-03	4.24E-07	0.00E+00	4.98E-07	4.98E-07	0.00E+00	4.58E-07	4.58E-07	4.28E-02	4.09E-05	3.72E-05
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	2	25	15	1.52E-04	4.49E-03	9.18E-04	9.42E-08	0.00E+00	1.11E-07	1.11E-07	0.00E+00	1.02E-07	1.02E-07	9.51E-03	9.09E-06	8.26E-06
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	25	15	1.90E-03	5.62E-02	1.15E-02	1.18E-06	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	1.19E-01	1.14E-04	1.03E-04
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	6	25	15	4.55E-04	1.35E-02	2.75E-03	2.82E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.85E-02	2.73E-05	2.48E-05
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	2	25	15	1.52E-04	4.49E-03	9.18E-04	9.42E-08	0.00E+00	1.11E-07	1.11E-07	0.00E+00	1.02E-07	1.02E-07	9.51E-03	9.09E-06	8.26E-06
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	25	15	1.14E-03	3.37E-02	6.88E-03	7.06E-07	0.00E+00	8.31E-07	8.31E-07	0.00E+00	7.64E-07	7.64E-07	7.14E-02	6.81E-05	6.19E-05
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	6	25	15	4.55E-04	1.35E-02	2.75E-03	2.82E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.85E-02	2.73E-05	2.48E-05
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	7	25	15	5.31E-04	1.57E-02	3.21E-03	3.30E-07	0.00E+00	3.88E-07	3.88E-07	0.00E+00	3.56E-07	3.56E-07	3.33E-02	3.18E-05	2.89E-05
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	6	25	15	4.55E-04	1.35E-02	2.75E-03	2.82E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.85E-02	2.73E-05	2.48E-05
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	4	25	15	3.04E-04	8.99E-03	1.84E-03	1.88E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.04E-07	2.04E-07	1.90E-02	1.82E-05	1.65E-05
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	9	25	15	6.62E-04	2.02E-02	4.00E-03	4.13E-07	0.00E+00	4.97E-07	4.97E-07	0.00E+00	4.57E-07	4.57E-07	4.18E-02	4.01E-05	3.69E-05
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	2	25	15	1.47E-04	4.50E-03	8.89E-04	9.19E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.01E-07	1.01E-07	9.28E-03	8.90E-06	8.20E-06
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	25	15	1.84E-03	5.62E-02	1.11E-02	1.15E-06	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	1.16E-01	1.11E-04	1.02E-04
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	25	15	1.47E-04	4.50E-03	8.89E-04	9.19E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.01E-07	1.01E-07	9.28E-03	8.90E-06	8.20E-06
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	2	25	15	1.47E-04	4.50E-03	8.89E-04	9.19E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.01E-07	1.01E-07	9.28E-03	8.90E-06	8.20E-06
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	25	15	4.41E-04	1.35E-02	2.67E-03	2.76E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.78E-02	2.67E-05	2.46E-05
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	25	15	5.15E-04	1.57E-02	3.11E-03	3.21E-07	0.00E+00	3.86E-07	3.86E-07	0.00E+00	3.55E-07	3.55E-07	3.25E-02	3.12E-05	2.87E-05
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	25	15	4.41E-04	1.35E-02	2.67E-03	2.76E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.78E-02	2.67E-05	2.46E-05
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	25	15	2.94E-04	9.00E-03	1.78E-03	1.84E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.03E-07	2.03E-07	1.86E-02	1.78E-05	1.64E-05
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	25	15	4.41E-04	1.35E-02	2.67E-03	2.76E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.78E-02	2.67E-05	2.46E-05
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	12	25	15	8.59E-04	2.70E-02	5.20E-03	5.40E-07	0.00E+00	6.62E-07	6.62E-07	0.00E+00	6.08E-07	6.08E-07	5.46E-02	5.27E-05	4.90E-05
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	4.5	25	15	3.22E-04	1.01E-02	1.95E-03	2.02E-07	0.00E+00	2.48E-07	2.48E-07	0.00E+00	2.28E-07	2.28E-07	2.05E-02	1.98E-05	1.84E-05
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	14.5	25	15	1.04E-03	3.26E-02	6.29E-03	6.52E-07	0.00E+00	7.99E-07	7.99E-07	0.00E+00	7.35E-07	7.35E-07	6.59E-02	6.36E-05	5.92E-05
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	8.5	25	15	6.09E-04	1.91E-02	3.68E-03	3.82E-07	0.00E+00	4.69E-07	4.69E-07	0.00E+00	4.31E-07	4.31E-07	3.87E-02	3.73E-05	3.47E-05
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	25	15	1.07E-03	3.38E-02	6.50E-03	6.75E-07	0.00E+00	8.27E-07	8.27E-07	0.00E+00	7.60E-07	7.60E-07	6.82E-02	6.58E-05	6.12E-05
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	25	15	4.30E-04	1.35E-02	2.60E-03	2.70E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.73E-02	2.63E-05	2.45E-05
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	4.5	25	15	3.22E-04	1.01E-02	1.95E-03	2.02E-07	0.00E+00	2.48E-07	2.48E-07	0.00E+00	2.28E-07	2.28E-07	2.05E-02	1.98E-05	1.84E-05
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	15.5	25	15	1.11E-03	3.49E-02	6.72E-03	6.97E-07	0.00E+00	8.54E-07	8.54E-07	0.00E+00	7.86E-07	7.86E-07	7.05E-02	6.80E-05	6.33E-05
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	5	25	15	3.58E-04	1.13E-02	2.17E-03	2.25E-07	0.00E+00	2.76E-07	2.76E-07	0.00E+00	2.53E-07	2.53E-07	2.27E-02	2.19E-05	2.04E-05
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	25	15	4.30E-04	1.35E-02	2.60E-03	2.70E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.04E-07	3.04E-07	2.73E-02	2.63E-05	2.45E-05
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	25	15	1.05E-03	3.38E-02	6.37E-03	6.63E-07	0.00E+00	8.28E-07	8.28E-07	0.00E+00	7.61E-07	7.61E-07	6.70E-02	6.51E-05	6.11E-05
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	7	25	15	4.90E-04	1.58E-02	2.97E-03	3.09E-07	0.00E+00	3.86E-07	3.86E-07	0.00E+00	3.55E-07	3.55E-07	3.13E-02	3.04E-05	2.85E-05
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	4	25	15	2.80E-04	9.01E-03	1.70E-03	1.77E-07	0.00E+00	2.21E-07	2.21E-07	0.00E+00	2.03E-07	2.03E-07	1.79E-02	1.74E-05	1.63E-05
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	25	15	1.05E-03	3.38E-02	6.37E-03	6.63E-07	0.00E+00	8.28E-07	8.28E-07	0.00E+00	7.61E-07	7.61E-07	6.70E-02	6.51E-05	6.11E-05
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	25	15	1.05E-03	3.38E-02	6.37E-03	6.63E-07	0.00E+00	8.28E-07	8.28E-07	0.00E+00	7.61E-07	7.61E-07	6.70E-02	6.51E-05	6.11E-05
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	6	25	15	4.20E-04	1.35E-02	2.55E-03	2.65E-07	0.00E+00	3.31E-07	3.31E-07	0.00E+00	3.05E-07	3.05E-07	2.68E-02	2.61E-05	2.44E-05
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	2	25	15	1.40E-04	4.51E-03	8.49E-04	8.84E-08	0.00E+00	1.10E-07	1.10E-07	0.00E+00	1.02E-07	1.02E-07	8.94E-03	8.68E-06	8.15E-06
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	25	25	15	1.75E-03	5.63E-02	1.06E-02	1.11E-06	0.00E+00	1.38E-06	1.38E-06	0.00E+00	1.27E-06	1.27E-06	1.12E-01	1.09E-04	1.02E-04
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	25	15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	6	25	15	4.12E-04	1.35E-02	2.50E-03	2.61E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.64E-02	2.58E-05	2.44E-05
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	6	25	15	4.12E-04	1.35E-02	2.50E-03	2.61E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.64E-02	2.58E-05	2.44E-05
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	11.5	25	15	7.89E-04	2.59E-02	4.79E-03	5.00E-07	0.00E+00	6.36E-07	6.36E-07	0.00E+00	5.85E-07	5.85E-07	5.05E-02	4.95E-05	4.68E-05
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	14.5	25	15	9.95E-04	3.27E-02	6.03E-03	6.30E-07	0.00E+00	8.02E-07	8.02E-07	0.00E+00	7.37E-07	7.37E-07	6.37E-02	6.24E-05	5.90E-05
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	14.5	25	15	9.95E-04	3.27E-02	6.03E-03	6.30E-07	0.00E+00	8.02E-07	8.02E-07	0.00E+00	7.37E-07	7.37E-07	6.37E-02	6.24E-05	5.90E-05
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.5	25	15	5.83E-04	1.92E-02	3.54E-03	3.70E-07	0.00E+00	4.70E-07	4.70E-07	0.00E+00	4.32E-07	4.32E-07	3.73E-02	3.66E-05	3.46E-05
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	25	15	1.03E-03	3.38E-02	6.24E-03	6.52E-07	0.00E+00	8.30E-07	8.30E-07	0.00E+00	7.63E-07	7.63E-07	6.59E-02	6.45E-05	6.10E-05
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	6	25	15	4.12E-04	1.35E-02	2.50E-03	2.61E-07	0.00E+00	3.32E-07	3.32E-07	0.00E+00	3.05E-07	3.05E-07	2.64E-02	2.58E-05	2.44E-05
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	4.5	25	15	3.09E-04	1.01E-02	1.87E-03	1.96E-07	0.00E+00	2.49E-07	2.49E-07	0.00E+00	2.29E-07	2.29E-07	1.98E-02	1.94E-05	1.83E-05
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	2	25	15	1.37E-04	4.51E-03	8.32E-04	8.70E-08	0.00E+00	1.11E-07	1.11E-07	0.00E+00	1.02E-07	1.02E-07	8.79E-03	8.60E-06	8.14E-06

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Daily Vendor Trips (In/Out)	Trip Length (miles)	Idling Duration (min)	# of Workdays	CO2	CH4	N2O	CO2e
							MT/year			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	9	25	15	260	0.0050496	4.822E-06	4.382E-06	6.48E-03
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	2	25	15	260	0.0011221	1.071E-06	9.737E-07	1.44E-03
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	25	25	15	260	0.0140266	1.339E-05	1.217E-05	1.80E-02
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	6	25	15	260	0.0033664	3.214E-06	2.921E-06	4.32E-03
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	2	25	15	260	0.0011221	1.071E-06	9.737E-07	1.44E-03
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	15	25	15	260	0.0084159	8.036E-06	7.303E-06	1.08E-02
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	6	25	15	260	0.0033664	3.214E-06	2.921E-06	4.32E-03
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	0	25	15	260	0	0	0	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	7	25	15	260	0.0039274	3.75E-06	3.408E-06	5.04E-03
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	6	25	15	260	0.0033664	3.214E-06	2.921E-06	4.32E-03
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	4	25	15	260	0.0022443	2.143E-06	1.947E-06	2.88E-03
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	9	25	15	260	0.0049261	4.725E-06	4.349E-06	6.34E-03
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	2	25	15	260	0.0010947	1.05E-06	9.665E-07	1.41E-03
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	25	25	15	260	0.0136835	1.313E-05	1.208E-05	1.76E-02
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	2	25	15	260	0.0010947	1.05E-06	9.665E-07	1.41E-03
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	2	25	15	260	0.0010947	1.05E-06	9.665E-07	1.41E-03
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	6	25	15	260	0.003284	3.15E-06	2.899E-06	4.23E-03
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	7	25	15	260	0.0038314	3.675E-06	3.383E-06	4.93E-03
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	6	25	15	260	0.003284	3.15E-06	2.899E-06	4.23E-03
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	0	25	15	260	0	0	0	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	4	25	15	260	0.0021894	2.1E-06	1.933E-06	2.82E-03
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	6	25	15	260	0.003284	3.15E-06	2.899E-06	4.23E-03
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	12	25	15	260	0.0064351	6.211E-06	5.777E-06	8.31E-03
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	4.5	25	15	260	0.0024132	2.329E-06	2.166E-06	3.12E-03
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	14.5	25	15	260	0.0077758	7.505E-06	6.98E-06	1.00E-02
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	8.5	25	15	260	0.0045582	4.4E-06	4.092E-06	5.89E-03
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	15	25	15	260	0.0080439	7.764E-06	7.221E-06	1.04E-02
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	6	25	15	260	0.0032176	3.106E-06	2.888E-06	4.16E-03
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	4.5	25	15	260	0.0024132	2.329E-06	2.166E-06	3.12E-03
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	15.5	25	15	260	0.0083121	8.023E-06	7.461E-06	1.07E-02
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	0	25	15	260	0	0	0	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	5	25	15	260	0.0026813	2.588E-06	2.407E-06	3.46E-03
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	6	25	15	260	0.0032176	3.106E-06	2.888E-06	4.16E-03
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	15	25	15	260	0.0079035	7.681E-06	7.208E-06	1.02E-02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	7	25	15	260	0.0036883	3.585E-06	3.364E-06	4.78E-03
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	4	25	15	260	0.0021076	2.048E-06	1.922E-06	2.73E-03
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	15	25	15	260	0.0079035	7.681E-06	7.208E-06	1.02E-02
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	15	25	15	260	0.0079035	7.681E-06	7.208E-06	1.02E-02
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	6	25	15	260	0.0031614	3.072E-06	2.883E-06	4.10E-03
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	2	25	15	260	0.0010538	1.024E-06	9.611E-07	1.37E-03
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	0	25	15	260	0	0	0	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	25	25	15	260	0.0131725	1.28E-05	1.201E-05	1.71E-02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	0	25	15	260	0	0	0	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	6	25	15	260	0.0031089	3.043E-06	2.879E-06	4.04E-03
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	6	25	15	260	0.0031089	3.043E-06	2.879E-06	4.04E-03
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	11.5	25	15	260	0.0059587	5.832E-06	5.517E-06	7.75E-03
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	14.5	25	15	260	0.0075132	7.354E-06	6.957E-06	9.77E-03
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	14.5	25	15	260	0.0075132	7.354E-06	6.957E-06	9.77E-03
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	8.5	25	15	260	0.0044043	4.311E-06	4.078E-06	5.73E-03
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	15	25	15	260	0.0077722	7.607E-06	7.197E-06	1.01E-02
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	6	25	15	260	0.0031089	3.043E-06	2.879E-06	4.04E-03
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	4.5	25	15	260	0.0023317	2.282E-06	2.159E-06	3.03E-03
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	2	25	15	260	0.0010363	1.014E-06	9.595E-07	1.35E-03

							Haul Running Emission Factors												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission Factor (g/mile)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	1705	7	25	1.84E-02	2.46E+00	1.99E-01	1.08E-02	3.96E-01	1.99E-02	4.16E-01	1.09E-01	1.90E-02	1.28E-01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	26	0	25	1.84E-02	2.46E+00	1.99E-01	1.08E-02	3.96E-01	1.99E-02	4.16E-01	1.09E-01	1.90E-02	1.28E-01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	25	1.84E-02	2.46E+00	1.99E-01	1.08E-02	3.96E-01	1.99E-02	4.16E-01	1.09E-01	1.90E-02	1.28E-01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	0	0	25	1.84E-02	2.46E+00	1.99E-01	1.08E-02	3.96E-01	1.99E-02	4.16E-01	1.09E-01	1.90E-02	1.28E-01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	7512	29	25	1.84E-02	2.46E+00	1.99E-01	1.08E-02	3.96E-01	1.99E-02	4.16E-01	1.09E-01	1.90E-02	1.28E-01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	2191	8	25	1.84E-02	2.46E+00	1.99E-01	1.08E-02	3.96E-01	1.99E-02	4.16E-01	1.09E-01	1.90E-02	1.28E-01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	5008	19	25	1.84E-02	2.46E+00	1.99E-01	1.08E-02	3.96E-01	1.99E-02	4.16E-01	1.09E-01	1.90E-02	1.28E-01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	25	1.84E-02	2.46E+00	1.99E-01	1.08E-02	3.96E-01	1.99E-02	4.16E-01	1.09E-01	1.90E-02	1.28E-01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	25	1.84E-02	2.46E+00	1.99E-01	1.08E-02	3.96E-01	1.99E-02	4.16E-01	1.09E-01	1.90E-02	1.28E-01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	528	2	25	1.84E-02	2.46E+00	1.99E-01	1.08E-02	3.96E-01	1.99E-02	4.16E-01	1.09E-01	1.90E-02	1.28E-01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	624	2	25	1.84E-02	2.46E+00	1.99E-01	1.08E-02	3.96E-01	1.99E-02	4.16E-01	1.09E-01	1.90E-02	1.28E-01	1.14E+03	8.57E-04	1.80E-01
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	1705	7	25	1.83E-02	2.46E+00	2.00E-01	1.06E-02	3.96E-01	1.94E-02	4.16E-01	1.09E-01	1.86E-02	1.27E-01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	52	0	25	1.83E-02	2.46E+00	2.00E-01	1.06E-02	3.96E-01	1.94E-02	4.16E-01	1.09E-01	1.86E-02	1.27E-01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	25	1.83E-02	2.46E+00	2.00E-01	1.06E-02	3.96E-01	1.94E-02	4.16E-01	1.09E-01	1.86E-02	1.27E-01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	25	1.83E-02	2.46E+00	2.00E-01	1.06E-02	3.96E-01	1.94E-02	4.16E-01	1.09E-01	1.86E-02	1.27E-01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	7512	29	25	1.83E-02	2.46E+00	2.00E-01	1.06E-02	3.96E-01	1.94E-02	4.16E-01	1.09E-01	1.86E-02	1.27E-01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	25	1.83E-02	2.46E+00	2.00E-01	1.06E-02	3.96E-01	1.94E-02	4.16E-01	1.09E-01	1.86E-02	1.27E-01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	25	1.83E-02	2.46E+00	2.00E-01	1.06E-02	3.96E-01	1.94E-02	4.16E-01	1.09E-01	1.86E-02	1.27E-01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	25	1.83E-02	2.46E+00	2.00E-01	1.06E-02	3.96E-01	1.94E-02	4.16E-01	1.09E-01	1.86E-02	1.27E-01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	25	1.83E-02	2.46E+00	2.00E-01	1.06E-02	3.96E-01	1.94E-02	4.16E-01	1.09E-01	1.86E-02	1.27E-01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	25	1.83E-02	2.46E+00	2.00E-01	1.06E-02	3.96E-01	1.94E-02	4.16E-01	1.09E-01	1.86E-02	1.27E-01	1.12E+03	8.51E-04	1.76E-01
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	25	1.83E-02	2.46E+00	2.00E-01	1.06E-02	3.96E-01	1.94E-02	4.16E-01	1.09E-01	1.86E-02	1.27E-01	1.12E+03	8.51E-04	1.76E-01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	2945	11	25	1.83E-02	2.46E+00	1.99E-01	1.04E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.85E-02	1.27E-01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	26	0	25	1.83E-02	2.46E+00	1.99E-01	1.04E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.85E-02	1.27E-01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	3442	13	25	1.83E-02	2.46E+00	1.99E-01	1.04E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.85E-02	1.27E-01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	5848.5	22	25	1.83E-02	2.46E+00	1.99E-01	1.04E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.85E-02	1.27E-01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	25	1.83E-02	2.46E+00	1.99E-01	1.04E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.85E-02	1.27E-01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	2556	10	25	1.83E-02	2.46E+00	1.99E-01	1.04E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.85E-02	1.27E-01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	3756	14	25	1.83E-02	2.46E+00	1.99E-01	1.04E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.85E-02	1.27E-01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	3130	12	25	1.83E-02	2.46E+00	1.99E-01	1.04E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.85E-02	1.27E-01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	25	1.83E-02	2.46E+00	1.99E-01	1.04E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.85E-02	1.27E-01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	2816	11	25	1.83E-02	2.46E+00	1.99E-01	1.04E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.85E-02	1.27E-01	1.10E+03	8.50E-04	1.73E-01
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	264	1	25	1.83E-02	2.46E+00	1.99E-01	1.04E-02	3.96E-01	1.93E-02	4.15E-01	1.09E-01	1.85E-02	1.27E-01	1.10E+03	8.50E-04	1.73E-01
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	4185	16	25	1.83E-02	2.46E+00	1.99E-01	1.02E-02	3.96E-01	1.92E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	0	0	25	1.83E-02	2.46E+00	1.99E-01	1.02E-02	3.96E-01	1.92E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	624	2	25	1.83E-02	2.46E+00	1.99E-01	1.02E-02	3.96E-01	1.92E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	4185	16	25	1.83E-02	2.46E+00	1.99E-01	1.02E-02	3.96E-01	1.92E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	2191	8	25	1.83E-02	2.46E+00	1.99E-01	1.02E-02	3.96E-01	1.92E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	104	0	25	1.83E-02	2.46E+00	1.99E-01	1.02E-02	3.96E-01	1.92E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	7512	29	25	1.83E-02	2.46E+00	1.99E-01	1.02E-02	3.96E-01	1.92E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	25	1.83E-02	2.46E+00	1.99E-01	1.02E-02	3.96E-01	1.92E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	6260	24	25	1.83E-02	2.46E+00	1.99E-01	1.02E-02	3.96E-01	1.92E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.08E+03	8.49E-04	1.70E-01
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	0	0	25	1.83E-02	2.46E+00	1.99E-01	1.02E-02	3.96E-01	1.92E-02	4.15E-01	1.09E-01	1.84E-02	1.27E-01	1.08E+03	8.49E-04	1.70E-01
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	5008	19	25	1.82E-02	2.45E+00	1.99E-01	1.00E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	0	0	25	1.82E-02	2.45E+00	1.99E-01	1.00E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	2635	10	25	1.82E-02	2.45E+00	1.99E-01	1.00E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	3442	13	25	1.82E-02	2.45E+00	1.99E-01	1.00E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	3442	13	25	1.82E-02	2.45E+00	1.99E-01	1.00E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	5848.5	22	25	1.82E-02	2.45E+00	1.99E-01	1.00E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	2191	8	25	1.82E-02	2.45E+00	1.99E-01	1.00E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	2556	10	25	1.82E-02	2.45E+00	1.99E-01	1.00E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	3756	14	25	1.82E-02	2.45E+00	1.99E-01	1.00E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.06E+03	8.47E-04	1.67E-01
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	1408.5	5	25	1.82E-02	2.45E+00	1.99E-01	1.00E-02	3.96E-01	1.91E-02	4.15E-01	1.09E-01	1.83E-02	1.27E-01	1.06E+03	8.47E-04	1.67E-01

							Daily Emissions												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	1705	7	25	6.67E-03	8.89E-01	7.19E-02	3.90E-03	1.43E-01	7.18E-03	1.50E-01	3.92E-02	6.87E-03	4.61E-02	4.13E+02	3.10E-04	6.49E-02
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	26	0	25	1.02E-04	1.36E-02	1.10E-03	5.95E-05	2.18E-03	1.10E-04	2.29E-03	5.98E-04	1.05E-04	7.03E-04	6.30E+00	4.72E-06	9.90E-04
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	25	2.45E-02	3.26E+00	2.64E-01	1.43E-02	5.26E-01	2.64E-02	5.52E-01	1.44E-01	2.52E-02	1.69E-01	1.52E+03	1.14E-03	2.38E-01
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	7512	29	25	2.94E-02	3.92E+00	3.17E-01	1.72E-02	6.31E-01	3.17E-02	6.63E-01	1.73E-01	3.03E-02	2.03E-01	1.82E+03	1.36E-03	2.86E-01
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	2191	8	25	8.57E-03	1.14E+00	9.24E-02	5.01E-03	1.84E-01	9.23E-03	1.93E-01	5.04E-02	8.83E-03	5.92E-02	5.31E+02	3.98E-04	8.34E-02
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	5008	19	25	1.96E-02	2.61E+00	2.11E-01	1.15E-02	4.21E-01	2.11E-02	4.42E-01	1.15E-01	2.02E-02	1.35E-01	1.21E+03	9.10E-04	1.91E-01
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	528	2	25	2.06E-03	2.75E-01	2.23E-02	1.21E-03	4.43E-02	2.22E-03	4.66E-02	1.21E-02	2.13E-03	1.43E-02	1.28E+02	9.59E-05	2.01E-02
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	624	2	25	2.44E-03	3.25E-01	2.63E-02	1.43E-03	5.24E-02	2.63E-03	5.50E-02	1.44E-02	2.52E-03	1.69E-02	1.51E+02	1.13E-04	2.38E-02
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	1705	7	25	6.63E-03	8.89E-01	7.22E-02	3.82E-03	1.43E-01	7.01E-03	1.50E-01	3.92E-02	6.70E-03	4.59E-02	4.05E+02	3.08E-04	6.36E-02
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	52	0	25	2.02E-04	2.71E-02	2.20E-03	1.17E-04	4.37E-03	2.14E-04	4.58E-03	1.20E-03	2.04E-04	1.40E-03	1.23E+01	9.39E-06	1.94E-03
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	25	2.43E-02	3.26E+00	2.65E-01	1.40E-02	5.26E-01	2.57E-02	5.51E-01	1.44E-01	2.46E-02	1.69E-01	1.49E+03	1.13E-03	2.34E-01
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	25	2.92E-02	3.92E+00	3.18E-01	1.68E-02	6.31E-01	3.09E-02	6.62E-01	1.73E-01	2.95E-02	2.02E-01	1.78E+03	1.36E-03	2.80E-01
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	7512	29	25	2.92E-02	3.92E+00	3.18E-01	1.68E-02	6.31E-01	3.09E-02	6.62E-01	1.73E-01	2.95E-02	2.02E-01	1.78E+03	1.36E-03	2.80E-01
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	25	1.95E-02	2.61E+00	2.12E-01	1.12E-02	4.21E-01	2.06E-02	4.41E-01	1.15E-01	1.97E-02	1.35E-01	1.19E+03	9.04E-04	1.87E-01
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	25	2.42E-03	3.25E-01	2.64E-02	1.40E-03	5.24E-02	2.56E-03	5.50E-02	1.44E-02	2.45E-03	1.68E-02	1.48E+02	1.13E-04	2.33E-02
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	25	2.05E-03	2.75E-01	2.23E-02	1.18E-03	4.43E-02	2.17E-03	4.65E-02	1.21E-02	2.08E-03	1.42E-02	1.25E+02	9.53E-05	1.97E-02
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	2945	11	25	1.14E-02	1.53E+00	1.25E-01	6.48E-03	2.47E-01	1.20E-02	2.59E-01	6.78E-02	1.15E-02	7.93E-02	6.86E+02	5.31E-04	1.08E-01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	26	0	25	1.01E-04	1.35E-02	1.10E-03	5.72E-05	2.18E-03	1.06E-04	2.29E-03	5.98E-04	1.02E-04	7.00E-04	6.06E+00	4.68E-06	9.52E-04
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	3442	13	25	1.34E-02	1.79E+00	1.46E-01	7.58E-03	2.89E-01	1.41E-02	3.03E-01	7.92E-02	1.35E-02	9.27E-02	8.02E+02	6.20E-04	1.26E-01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	5848.5	22	25	2.27E-02	3.05E+00	2.47E-01	1.29E-02	4.91E-01	2.39E-02	5.15E-01	1.35E-01	2.29E-02	1.57E-01	1.36E+03	1.05E-03	2.14E-01
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	25	8.50E-03	1.14E+00	9.26E-02	4.82E-03	1.84E-01	8.96E-03	1.93E-01	5.04E-02	8.57E-03	5.90E-02	5.10E+02	3.95E-04	8.02E-02
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	2556	10	25	9.91E-03	1.33E+00	1.08E-01	5.63E-03	2.15E-01	1.05E-02	2.25E-01	5.88E-02	1.00E-02	6.88E-02	5.95E+02	4.61E-04	9.36E-02
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	3756	14	25	1.46E-02	1.96E+00	1.59E-01	8.27E-03	3.15E-01	1.54E-02	3.31E-01	8.64E-02	1.47E-02	1.01E-01	8.75E+02	6.77E-04	1.38E-01
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	3130	12	25	1.21E-02	1.63E+00	1.32E-01	6.89E-03	2.63E-01	1.28E-02	2.76E-01	7.20E-02	1.22E-02	8.43E-02	7.29E+02	5.64E-04	1.15E-01
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	2816	11	25	1.09E-02	1.47E+00	1.19E-01	6.20E-03	2.36E-01	1.15E-02	2.48E-01	6.48E-02	1.10E-02	7.58E-02	6.56E+02	5.07E-04	1.03E-01
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	264	1	25	1.02E-03	1.38E-01	1.12E-02	5.81E-04	2.22E-02	1.08E-03	2.33E-02	6.07E-03	1.03E-03	7.11E-03	6.15E+01	4.76E-05	9.67E-03
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	4185	16	25	1.62E-02	2.18E+00	1.77E-01	9.05E-03	3.51E-01	1.70E-02	3.69E-01	9.63E-02	1.63E-02	1.13E-01	9.58E+02	7.53E-04	1.51E-01
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	624	2	25	2.42E-03	3.25E-01	2.64E-02	1.35E-03	5.24E-02	2.54E-03	5.49E-02	1.44E-02	2.43E-03	1.68E-02	1.43E+02	1.12E-04	2.25E-02
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	4185	16	25	1.62E-02	2.18E+00	1.77E-01	9.05E-03	3.51E-01	1.70E-02	3.69E-01	9.63E-02	1.63E-02	1.13E-01	9.58E+02	7.53E-04	1.51E-01
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	2191	8	25	8.48E-03	1.14E+00	9.25E-02	4.74E-03	1.84E-01	8.92E-03	1.93E-01	5.04E-02	8.54E-03	5.90E-02	5.02E+02	3.94E-04	7.89E-02
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	104	0	25	4.03E-04	5.41E-02	4.39E-03	2.25E-04	8.73E-03	4.24E-04	9.16E-03	2.39E-03	4.05E-04	2.80E-03	2.38E+01	1.87E-05	3.74E-03
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	7512	29	25	2.91E-02	3.91E+00	3.17E-01	1.63E-02	6.31E-01	3.06E-02	6.61E-01	1.73E-01	2.93E-02	2.02E-01	1.72E+03	1.35E-03	2.70E-01
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	6260	24	25	2.42E-02	3.26E+00	2.64E-01	1.35E-02	5.26E-01	2.55E-02	5.51E-01	1.44E-01	2.44E-02	1.68E-01	1.43E+03	1.13E-03	2.25E-01
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	5008	19	25	1.94E-02	2.60E+00	2.11E-01	1.07E-02	4.21E-01	2.03E-02	4.41E-01	1.15E-01	1.94E-02	1.35E-01	1.13E+03	8.99E-04	1.77E-01
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	2635	10	25	1.02E-02	1.37E+00	1.11E-01	5.61E-03	2.21E-01	1.07E-02	2.32E-01	6.06E-02	1.02E-02	7.08E-02	5.94E+02	4.73E-04	9.33E-02
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	3442	13	25	1.33E-02	1.79E+00	1.45E-01	7.33E-03	2.89E-01	1.39E-02	3.03E-01	7.92E-02	1.33E-02	9.25E-02	7.75E+02	6.18E-04	1.22E-01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	3442	13	25	1.33E-02	1.79E+00	1.45E-01	7.33E-03	2.89E-01	1.39E-02	3.03E-01	7.92E-02	1.33E-02	9.25E-02	7.75E+02	6.18E-04	1.22E-01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	5848.5	22	25	2.26E-02	3.04E+00	2.47E-01	1.24E-02	4.91E-01	2.37E-02	5.15E-01	1.35E-01	2.27E-02	1.57E-01	1.32E+03	1.05E-03	2.07E-01
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	2191	8	25	8.47E-03	1.14E+00	9.24E-02	4.66E-03	1.84E-01	8.87E-03	1.93E-01	5.04E-02	8.49E-03	5.89E-02	4.94E+02	3.93E-04	7.76E-02
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	2556	10	25	9.88E-03	1.33E+00	1.08E-01	5.44E-03	2.15E-01	1.04E-02	2.25E-01	5.88E-02	9.90E-03	6.87E-02	5.76E+02	4.59E-04	9.05E-02
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	3756	14	25	1.45E-02	1.95E+00	1.58E-01	7.99E-03	3.15E-01	1.52E-02	3.31E-01	8.64E-02	1.46E-02	1.01E-01	8.46E+02	6.74E-04	1.33E-01
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	1408.5	5	25	5.44E-03	7.33E-01	5.94E-02	3.00E-03	1.18E-01	5.70E-03	1.24E-01	3.24E-02	5.46E-03	3.79E-02	3.17E+02	2.53E-04	4.99E-02

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
								MT/yr			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	1705	7	25	260	4.87E+01	3.65E-05	7.66E-03	5.10E+01
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	26	0	25	260	7.43E-01	5.57E-07	1.17E-04	7.78E-01
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	25	260	1.79E+02	1.34E-04	2.81E-02	1.87E+02
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	7512	29	25	260	2.15E+02	1.61E-04	3.37E-02	2.25E+02
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	2191	8	25	260	6.26E+01	4.69E-05	9.84E-03	6.55E+01
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	5008	19	25	260	1.43E+02	1.07E-04	2.25E-02	1.50E+02
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	528	2	25	260	1.51E+01	1.13E-05	2.37E-03	1.58E+01
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	624	2	25	260	1.78E+01	1.34E-05	2.80E-03	1.87E+01
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	1705	7	25	260	4.77E+01	3.63E-05	7.50E-03	5.00E+01
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	52	0	25	260	1.46E+00	1.11E-06	2.29E-04	1.52E+00
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	25	260	1.75E+02	1.33E-04	2.75E-02	1.83E+02
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	25	260	2.10E+02	1.60E-04	3.30E-02	2.20E+02
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	7512	29	25	260	2.10E+02	1.60E-04	3.30E-02	2.20E+02
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	25	260	1.40E+02	1.07E-04	2.20E-02	1.47E+02
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	25	260	1.75E+01	1.33E-05	2.75E-03	1.83E+01
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	25	260	1.48E+01	1.12E-05	2.32E-03	1.55E+01
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	2945	11	25	260	8.09E+01	6.26E-05	1.27E-02	8.47E+01
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	26	0	25	260	7.14E-01	5.52E-07	1.12E-04	7.48E-01
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	3442	13	25	260	9.46E+01	7.31E-05	1.49E-02	9.90E+01
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	5848.5	22	25	260	1.61E+02	1.24E-04	2.53E-02	1.68E+02
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	25	260	6.02E+01	4.66E-05	9.46E-03	6.30E+01
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	2556	10	25	260	7.02E+01	5.43E-05	1.10E-02	7.35E+01
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	3756	14	25	260	1.03E+02	7.98E-05	1.62E-02	1.08E+02
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	3130	12	25	260	8.60E+01	6.65E-05	1.35E-02	9.00E+01
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	2816	11	25	260	7.74E+01	5.98E-05	1.22E-02	8.10E+01
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	264	1	25	260	7.25E+00	5.61E-06	1.14E-03	7.59E+00
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	4185	16	25	260	1.13E+02	8.88E-05	1.78E-02	1.18E+02
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	624	2	25	260	1.69E+01	1.32E-05	2.65E-03	1.76E+01
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	4185	16	25	260	1.13E+02	8.88E-05	1.78E-02	1.18E+02
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	2191	8	25	260	5.92E+01	4.65E-05	9.30E-03	6.19E+01
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	104	0	25	260	2.81E+00	2.21E-06	4.41E-04	2.94E+00
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	7512	29	25	260	2.03E+02	1.59E-04	3.19E-02	2.12E+02
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	6260	24	25	260	1.69E+02	1.33E-04	2.66E-02	1.77E+02
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	5008	19	25	260	1.33E+02	1.06E-04	2.09E-02	1.39E+02
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	2635	10	25	260	7.00E+01	5.58E-05	1.10E-02	7.33E+01
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	3442	13	25	260	9.14E+01	7.29E-05	1.44E-02	9.57E+01
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	3442	13	25	260	9.14E+01	7.29E-05	1.44E-02	9.57E+01
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	5848.5	22	25	260	1.55E+02	1.24E-04	2.44E-02	1.63E+02
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	2191	8	25	260	5.82E+01	4.64E-05	9.15E-03	6.09E+01
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	2556	10	25	260	6.79E+01	5.41E-05	1.07E-02	7.11E+01
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	3756	14	25	260	9.98E+01	7.95E-05	1.57E-02	1.04E+02
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	1408.5	5	25	260	3.74E+01	2.98E-05	5.88E-03	3.92E+01

							Haul Running Emission Factors												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission Factor (g/trip)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	1705	7	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	26	0	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	0	0	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	7512	29	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	2191	8	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	5008	19	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	528	2	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	624	2	25	3.74E-04	2.39E+00	6.02E-03	5.01E-07	0.00E+00	5.31E-07	5.31E-07	0.00E+00	4.88E-07	4.88E-07	5.06E-02	3.66E-07	3.60E-06
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	1705	7	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	52	0	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	7512	29	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	25	3.62E-04	2.39E+00	6.19E-03	5.08E-07	0.00E+00	5.37E-07	5.37E-07	0.00E+00	4.94E-07	4.94E-07	5.13E-02	3.59E-07	2.53E-06
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	2945	11	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	26	0	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	3442	13	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	5848.5	22	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	2556	10	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	3756	14	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	3130	12	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	2816	11	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	264	1	25	3.68E-04	2.38E+00	6.40E-03	5.18E-07	0.00E+00	5.62E-07	5.62E-07	0.00E+00	5.17E-07	5.17E-07	5.23E-02	3.60E-07	2.48E-06
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	4185	16	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	0	0	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	624	2	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	4185	16	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	2191	8	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	104	0	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	7512	29	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	6260	24	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	0	0	25	3.78E-04	2.38E+00	6.62E-03	5.28E-07	0.00E+00	5.86E-07	5.86E-07	0.00E+00	5.39E-07	5.39E-07	5.33E-02	3.62E-07	1.98E-06
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	5008	19	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	0	0	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	2635	10	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	3442	13	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	3442	13	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	5848.5	22	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	2191	8	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	2556	10	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	3756	14	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	1408.5	5	25	3.89E-04	2.39E+00	6.81E-03	5.36E-07	0.00E+00	6.07E-07	6.07E-07	0.00E+00	5.58E-07	5.58E-07	5.41E-02	3.62E-07	1.37E-06

							Daily Emissions												
							ROG	NOX	CO	SOX	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	CO2	CH4	N2O
PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	Emission (lb/day)												
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	1705	7	25	2.70E-06	1.72E-02	4.35E-05	3.62E-09	0.00E+00	3.84E-09	3.84E-09	0.00E+00	3.53E-09	3.53E-09	3.66E-04	2.65E-09	2.60E-08
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	26	0	25	4.12E-08	2.63E-04	6.63E-07	5.52E-11	0.00E+00	5.85E-11	5.85E-11	0.00E+00	5.38E-11	5.38E-11	5.58E-06	4.04E-11	3.97E-10
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	25	9.93E-06	6.33E-02	1.60E-04	1.33E-08	0.00E+00	1.41E-08	1.41E-08	0.00E+00	1.29E-08	1.29E-08	1.34E-03	9.73E-09	9.56E-08
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	7512	29	25	1.19E-05	7.60E-02	1.92E-04	1.60E-08	0.00E+00	1.69E-08	1.69E-08	0.00E+00	1.55E-08	1.55E-08	1.61E-03	1.17E-08	1.15E-07
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	2191	8	25	3.48E-06	2.22E-02	5.59E-05	4.65E-09	0.00E+00	4.93E-09	4.93E-09	0.00E+00	4.53E-09	4.53E-09	4.70E-04	3.40E-09	3.35E-08
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	5008	19	25	7.94E-06	5.07E-02	1.28E-04	1.06E-08	0.00E+00	1.13E-08	1.13E-08	0.00E+00	1.04E-08	1.04E-08	1.07E-03	7.78E-09	7.65E-08
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	528	2	25	8.38E-07	5.34E-03	1.35E-05	1.12E-09	0.00E+00	1.19E-09	1.19E-09	0.00E+00	1.09E-09	1.09E-09	1.13E-04	8.20E-10	8.06E-09
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	624	2	25	9.90E-07	6.31E-03	1.59E-05	1.33E-09	0.00E+00	1.40E-09	1.40E-09	0.00E+00	1.29E-09	1.29E-09	1.34E-04	9.70E-10	9.53E-09
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	1705	7	25	2.61E-06	1.72E-02	4.47E-05	3.67E-09	0.00E+00	3.88E-09	3.88E-09	0.00E+00	3.57E-09	3.57E-09	3.71E-04	2.59E-09	1.83E-08
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	52	0	25	7.97E-08	5.26E-04	1.36E-06	1.12E-10	0.00E+00	1.18E-10	1.18E-10	0.00E+00	1.09E-10	1.09E-10	1.13E-05	7.91E-11	5.58E-10
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	25	9.60E-06	6.33E-02	1.64E-04	1.35E-08	0.00E+00	1.43E-08	1.43E-08	0.00E+00	1.31E-08	1.31E-08	1.36E-03	9.52E-09	6.71E-08
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	25	1.15E-05	7.60E-02	1.97E-04	1.62E-08	0.00E+00	1.71E-08	1.71E-08	0.00E+00	1.57E-08	1.57E-08	1.63E-03	1.14E-08	8.06E-08
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	7512	29	25	1.15E-05	7.60E-02	1.97E-04	1.62E-08	0.00E+00	1.71E-08	1.71E-08	0.00E+00	1.57E-08	1.57E-08	1.63E-03	1.14E-08	8.06E-08
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	25	7.68E-06	5.07E-02	1.31E-04	1.08E-08	0.00E+00	1.14E-08	1.14E-08	0.00E+00	1.05E-08	1.05E-08	1.09E-03	7.62E-09	5.37E-08
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	25	9.56E-07	6.31E-03	1.64E-05	1.34E-09	0.00E+00	1.42E-09	1.42E-09	0.00E+00	1.31E-09	1.31E-09	1.36E-04	9.49E-10	6.69E-09
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	25	8.09E-07	5.34E-03	1.39E-05	1.14E-09	0.00E+00	1.20E-09	1.20E-09	0.00E+00	1.11E-09	1.11E-09	1.15E-04	8.03E-10	5.66E-09
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	2945	11	25	4.59E-06	2.98E-02	8.00E-05	6.46E-09	0.00E+00	7.01E-09	7.01E-09	0.00E+00	6.45E-09	6.45E-09	6.53E-04	4.49E-09	3.09E-08
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	26	0	25	4.06E-08	2.63E-04	7.06E-07	5.71E-11	0.00E+00	6.19E-11	6.19E-11	0.00E+00	5.69E-11	5.69E-11	5.77E-06	3.96E-11	2.73E-10
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	3442	13	25	5.37E-06	3.48E-02	9.35E-05	7.55E-09	0.00E+00	8.20E-09	8.20E-09	0.00E+00	7.54E-09	7.54E-09	7.63E-04	5.25E-09	3.62E-08
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	5848.5	22	25	9.12E-06	5.91E-02	1.59E-04	1.28E-08	0.00E+00	1.39E-08	1.39E-08	0.00E+00	1.28E-08	1.28E-08	1.30E-03	8.92E-09	6.14E-08
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	25	3.42E-06	2.22E-02	5.95E-05	4.81E-09	0.00E+00	5.22E-09	5.22E-09	0.00E+00	4.80E-09	4.80E-09	4.86E-04	3.34E-09	2.30E-08
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	2556	10	25	3.99E-06	2.58E-02	6.94E-05	5.61E-09	0.00E+00	6.09E-09	6.09E-09	0.00E+00	5.60E-09	5.60E-09	5.67E-04	3.90E-09	2.69E-08
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	3756	14	25	5.86E-06	3.80E-02	1.02E-04	8.24E-09	0.00E+00	8.95E-09	8.95E-09	0.00E+00	8.23E-09	8.23E-09	8.33E-04	5.73E-09	3.95E-08
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	3130	12	25	4.88E-06	3.16E-02	8.50E-05	6.87E-09	0.00E+00	7.45E-09	7.45E-09	0.00E+00	6.85E-09	6.85E-09	6.94E-04	4.77E-09	3.29E-08
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	2816	11	25	4.39E-06	2.85E-02	7.65E-05	6.18E-09	0.00E+00	6.71E-09	6.71E-09	0.00E+00	6.17E-09	6.17E-09	6.25E-04	4.29E-09	2.96E-08
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	264	1	25	4.12E-07	2.67E-03	7.17E-06	5.79E-10	0.00E+00	6.29E-10	6.29E-10	0.00E+00	5.78E-10	5.78E-10	5.85E-05	4.03E-10	2.77E-09
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	4185	16	25	6.71E-06	4.23E-02	1.17E-04	9.36E-09	0.00E+00	1.04E-08	1.04E-08	0.00E+00	9.56E-09	9.56E-09	9.46E-04	6.42E-09	3.52E-08
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	624	2	25	1.00E-06	6.31E-03	1.75E-05	1.40E-09	0.00E+00	1.55E-09	1.55E-09	0.00E+00	1.42E-09	1.42E-09	1.41E-04	9.58E-10	5.24E-09
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	4185	16	25	6.71E-06	4.23E-02	1.17E-04	9.36E-09	0.00E+00	1.04E-08	1.04E-08	0.00E+00	9.56E-09	9.56E-09	9.46E-04	6.42E-09	3.52E-08
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	2191	8	25	3.51E-06	2.22E-02	6.15E-05	4.90E-09	0.00E+00	5.44E-09	5.44E-09	0.00E+00	5.00E-09	5.00E-09	4.95E-04	3.36E-09	1.84E-08
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	104	0	25	1.67E-07	1.05E-03	2.92E-06	2.33E-10	0.00E+00	2.58E-10	2.58E-10	0.00E+00	2.37E-10	2.37E-10	2.35E-05	1.60E-10	8.74E-10
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	7512	29	25	1.20E-05	7.60E-02	2.11E-04	1.68E-08	0.00E+00	1.87E-08	1.87E-08	0.00E+00	1.72E-08	1.72E-08	1.70E-03	1.15E-08	6.31E-08
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	6260	24	25	1.00E-05	6.33E-02	1.76E-04	1.40E-08	0.00E+00	1.55E-08	1.55E-08	0.00E+00	1.43E-08	1.43E-08	1.42E-03	9.61E-09	5.26E-08
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	5008	19	25	8.26E-06	5.06E-02	1.45E-04	1.14E-08	0.00E+00	1.29E-08	1.29E-08	0.00E+00	1.18E-08	1.18E-08	1.15E-03	7.68E-09	2.91E-08
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	0	0	25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	2635	10	25	4.35E-06	2.66E-02	7.60E-05	5.99E-09	0.00E+00	6.78E-09	6.78E-09	0.00E+00	6.23E-09	6.23E-09	6.05E-04	4.04E-09	1.53E-08
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	3442	13	25	5.68E-06	3.48E-02	9.93E-05	7.82E-09	0.00E+00	8.85E-09	8.85E-09	0.00E+00	8.14E-09	8.14E-09	7.90E-04	5.28E-09	2.00E-08
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	3442	13	25	5.68E-06	3.48E-02	9.93E-05	7.82E-09	0.00E+00	8.85E-09	8.85E-09	0.00E+00	8.14E-09	8.14E-09	7.90E-04	5.28E-09	2.00E-08
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	5848.5	22	25	9.65E-06	5.91E-02	1.69E-04	1.33E-08	0.00E+00	1.50E-08	1.50E-08	0.00E+00	1.38E-08	1.38E-08	1.34E-03	8.97E-09	3.39E-08
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	2191	8	25	3.62E-06	2.22E-02	6.32E-05	4.98E-09	0.00E+00	5.64E-09	5.64E-09	0.00E+00	5.18E-09	5.18E-09	5.03E-04	3.36E-09	1.27E-08
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	2556	10	25	4.22E-06	2.58E-02	7.38E-05	5.81E-09	0.00E+00	6.57E-09	6.57E-09	0.00E+00	6.04E-09	6.04E-09	5.87E-04	3.92E-09	1.48E-08
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	3756	14	25	6.20E-06	3.80E-02	1.08E-04	8.53E-09	0.00E+00	9.66E-09	9.66E-09	0.00E+00	8.88E-09	8.88E-09	8.62E-04	5.76E-09	2.18E-08
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	1408.5	5	25	2.32E-06	1.42E-02	4.06E-05	3.20E-09	0.00E+00	3.62E-09	3.62E-09	0.00E+00	3.33E-09	3.33E-09	3.23E-04	2.16E-09	8.17E-09

GWP		
CO2	CH4	N2O
1	25	298

PhaseName	CalEEMod Phase Name	Year	Workdays	Total Haul Truck Trips (In/Out)	Daily Haul Trips (In/Out)	Trip Length (miles)	# of Workdays	CO2	CH4	N2O	CO2e
								MT/yr			
Plot 11 (2030) Mass Excavation	3.2 Plot 11 (2030) Mass Excavation - 2030	2030	260	1705	7	25	260	4.32E-05	3.12E-10	3.07E-09	4.41E-05
Plot 11 (2030) Finish Grading	3.3 Plot 11 (2030) Finish Grading - 2030	2030	260	26	0	25	260	6.58E-07	4.76E-12	4.68E-11	6.72E-07
Plot 11 (2030) Utilities	3.4 Plot 11 (2030) Utilities - 2030	2030	260	6260	24	25	260	1.58E-04	1.15E-09	1.13E-08	1.62E-04
Plot 11 (2030) Building-Concrete	3.5 Plot 11 (2030) Building-Concrete - 2030	2030	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Building-Wet Utilities	3.6 Plot 11 (2030) Building-Wet Utilities - 2030	2030	260	7512	29	25	260	1.90E-04	1.38E-09	1.35E-08	1.94E-04
Plot 11 (2030) Building-Electrical	3.7 Plot 11 (2030) Building-Electrical - 2030	2030	260	2191	8	25	260	5.55E-05	4.01E-10	3.94E-09	5.66E-05
Plot 11 (2030) Building-Landscaping	3.8 Plot 11 (2030) Building-Landscaping - 2030	2030	260	5008	19	25	260	1.27E-04	9.18E-10	9.02E-09	1.29E-04
Plot 11 (2030) Landscaping	3.9 Plot 11 (2030) Landscaping - 2030	2030	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Temporary Utilities	3.10 Plot 11 (2030) Temporary Utilities - 2030	2030	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2030) Curbing/Drive Approaches	3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030	2030	260	528	2	25	260	1.34E-05	9.67E-11	9.51E-10	1.36E-05
Plot 11 (2030) Paving	3.12 Plot 11 (2030) Paving - 2030	2030	260	624	2	25	260	1.58E-05	1.14E-10	1.12E-09	1.61E-05
Plot 11 (2031) Mass Excavation	3.13 Plot 11 (2031) Mass Excavation - 2031	2031	260	1705	7	25	260	4.37E-05	3.06E-10	2.16E-09	4.44E-05
Plot 11 (2031) Finish Grading	3.14 Plot 11 (2031) Finish Grading - 2031	2031	260	52	0	25	260	1.33E-06	9.33E-12	6.58E-11	1.35E-06
Plot 11 (2031) Utilities	3.15 Plot 11 (2031) Utilities - 2031	2031	260	6260	24	25	260	1.61E-04	1.12E-09	7.92E-09	1.63E-04
Plot 11 (2031) Building-Concrete	3.16 Plot 11 (2031) Building-Concrete - 2031	2031	260	7512	29	25	260	1.93E-04	1.35E-09	9.50E-09	1.96E-04
Plot 11 (2031) Building-Wet Utilities	3.17 Plot 11 (2031) Building-Wet Utilities - 2031	2031	260	7512	29	25	260	1.93E-04	1.35E-09	9.50E-09	1.96E-04
Plot 11 (2031) Building-Electrical	3.18 Plot 11 (2031) Building-Electrical - 2031	2031	260	5008	19	25	260	1.28E-04	8.98E-10	6.34E-09	1.30E-04
Plot 11 (2031) Building-Landscaping	3.19 Plot 11 (2031) Building-Landscaping - 2031	2031	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Landscaping	3.20 Plot 11 (2031) Landscaping - 2031	2031	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Temporary Utilities	3.21 Plot 11 (2031) Temporary Utilities - 2031	2031	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 11 (2031) Curbing/Drive Approaches	3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031	2031	260	624	2	25	260	1.60E-05	1.12E-10	7.89E-10	1.62E-05
Plot 11 (2031) Paving	3.23 Plot 11 (2031) Paving - 2031	2031	260	528	2	25	260	1.35E-05	9.47E-11	6.68E-10	1.37E-05
Plots 11 and 12 (2032) Mass Excavation	3.24 Plots 11 and 12 (2032) Mass Excavation - 2032	2032	260	2945	11	25	260	7.70E-05	5.30E-10	3.65E-09	7.81E-05
Plots 11 and 12 (2032) Finish Grading	3.25 Plots 11 and 12 (2032) Finish Grading - 2032	2032	260	26	0	25	260	6.80E-07	4.68E-12	3.22E-11	6.90E-07
Plots 11 and 12 (2032) Utilities	3.26 Plots 11 and 12 (2032) Utilities - 2032	2032	260	3442	13	25	260	9.00E-05	6.19E-10	4.26E-09	9.13E-05
Plots 11 and 12 (2032) Building-Concrete	3.27 Plots 11 and 12 (2032) Building-Concrete - 2032	2032	260	5848.5	22	25	260	1.53E-04	1.05E-09	7.25E-09	1.55E-04
Plots 11 and 12 (2032) Building-Wet Utilities	3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032	2032	260	2191	8	25	260	5.73E-05	3.94E-10	2.71E-09	5.81E-05
Plots 11 and 12 (2032) Building-Electrical	3.29 Plots 11 and 12 (2032) Building-Electrical - 2032	2032	260	2556	10	25	260	6.69E-05	4.60E-10	3.17E-09	6.78E-05
Plots 11 and 12 (2032) Building-Landscaping	3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032	2032	260	3756	14	25	260	9.82E-05	6.75E-10	4.65E-09	9.96E-05
Plots 11 and 12 (2032) Landscaping	3.31 Plots 11 and 12 (2032) Landscaping - 2032	2032	260	3130	12	25	260	8.19E-05	5.63E-10	3.88E-09	8.30E-05
Plots 11 and 12 (2032) Temporary Utilities	3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032	2032	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 11 and 12 (2032) Curbing/Drive Approaches	3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032	2032	260	2816	11	25	260	7.37E-05	5.06E-10	3.49E-09	7.47E-05
Plots 11 and 12 (2032) Paving	3.34 Plots 11 and 12 (2032) Paving - 2032	2032	260	264	1	25	260	6.90E-06	4.75E-11	3.27E-10	7.00E-06
Plot 12 (2033) Finish Grading	3.35 Plot 12 (2033) Finish Grading - 2033	2033	260	4185	16	25	260	1.12E-04	7.58E-10	4.15E-09	1.13E-04
Plot 12 (2033) Utilities	3.36 Plot 12 (2033) Utilities - 2033	2033	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Building-Concrete	3.37 Plot 12 (2033) Building-Concrete - 2033	2033	260	624	2	25	260	1.66E-05	1.13E-10	6.18E-10	1.68E-05
Plot 12 (2033) Building-Wet Utilities	3.38 Plot 12 (2033) Building-Wet Utilities - 2033	2033	260	4185	16	25	260	1.12E-04	7.58E-10	4.15E-09	1.13E-04
Plot 12 (2033) Building-Electrical	3.39 Plot 12 (2033) Building-Electrical - 2033	2033	260	2191	8	25	260	5.84E-05	3.97E-10	2.17E-09	5.91E-05
Plot 12 (2033) Building-Landscaping	3.40 Plot 12 (2033) Building-Landscaping - 2033	2033	260	104	0	25	260	2.77E-06	1.88E-11	1.03E-10	2.80E-06
Plot 12 (2033) Landscaping	3.41 Plot 12 (2033) Landscaping - 2033	2033	260	7512	29	25	260	2.00E-04	1.36E-09	7.44E-09	2.03E-04
Plot 12 (2033) Temporary Utilities	3.42 Plot 12 (2033) Temporary Utilities - 2033	2033	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plot 12 (2033) Curbing/Drive Approaches	3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033	2033	260	6260	24	25	260	1.67E-04	1.13E-09	6.20E-09	1.69E-04
Plot 12 (2033) Paving	3.44 Plot 12 (2033) Paving - 2033	2033	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Finish Grading	3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034	2034	260	5008	19	25	260	1.36E-04	9.06E-10	3.43E-09	1.37E-04
Plots 12 and 21,22 (2034) Utilities	3.46 Plots 12 and 21,22 (2034) Utilities - 2034	2034	260	0	0	25	260	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Plots 12 and 21,22 (2034) Building-Concrete	3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034	2034	260	2635	10	25	260	7.13E-05	4.77E-10	1.80E-09	7.19E-05
Plots 12 and 21,22 (2034) Building-Wet Utilities	3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034	2034	260	3442	13	25	260	9.32E-05	6.23E-10	2.36E-09	9.39E-05
Plots 12 and 21,22 (2034) Building-Electrical	3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034	2034	260	3442	13	25	260	9.32E-05	6.23E-10	2.36E-09	9.39E-05
Plots 12 and 21,22 (2034) Building-Landscaping	3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034	2034	260	5848.5	22	25	260	1.58E-04	1.06E-09	4.00E-09	1.60E-04
Plots 12 and 21,22 (2034) Landscaping	3.51 Plots 12 and 21,22 (2034) Landscaping - 2034	2034	260	2191	8	25	260	5.93E-05	3.96E-10	1.50E-09	5.98E-05
Plots 12 and 21,22 (2034) Temporary Utilities	3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034	2034	260	2556	10	25	260	6.92E-05	4.62E-10	1.75E-09	6.97E-05
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches - 2034	2034	260	3756	14	25	260	1.02E-04	6.80E-10	2.57E-09	1.02E-04
Plots 12 and 21,22 (2034) Paving	3.54 Plots 12 and 21,22 (2034) Paving - 2034	2034	260	1408.5	5	25	260	3.81E-05	2.55E-10	9.64E-10	3.84E-05

World Logistics Center-Construction Plots 11, 12, & 21,22 (2030-2034)-Mitigated

South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	40,600.00	1000sqft	2,419.90	40,600,000.00	0
Parking Lot	123.60	Acre	123.60	5,384,016.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Construction Assumptions

Construction Phase - Project schedule

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	206.00
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tblGrading	AcresOfGrading	0.00	179.00
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tblOffRoadEquipment	UsageHours	8.00	10.00

tblOffRoadEquipment	UsageHours	8.00	10.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2030	5.8171	23.8630	40.2815	0.1101	7.1176	0.7895	7.9071	2.4975	0.7895	3.2870	0.0000	10,535.7386	10,535.7386	0.4430	0.0000	10,546.8133
2031	4.7376	18.2855	36.0949	0.0935	5.1604	0.5804	5.7408	1.4217	0.5804	2.0021	0.0000	8,802.7029	8,802.7029	0.3550	0.0000	8,811.5778
2032	4.3775	16.8366	32.8984	0.0858	3.5933	0.5199	4.1131	1.2525	0.5199	1.7724	0.0000	8,100.6024	8,100.6024	0.3262	0.0000	8,108.7568
2033	3.1595	11.7537	27.7479	0.0626	1.0475	0.3361	1.3836	0.5454	0.3361	0.8814	0.0000	5,685.7977	5,685.7977	0.2280	0.0000	5,691.4976
2034	3.0717	11.3100	26.8165	0.0610	1.0735	0.3131	1.3866	0.5482	0.3131	0.8613	0.0000	5,546.5212	5,546.5212	0.2209	0.0000	5,552.0432
Maximum	**5.8171**	**23.8630**	**40.2815**	**0.1101**	**7.1176**	**0.7895**	**7.9071**	**2.4975**	**0.7895**	**3.2870**	**0.0000**	**10,535.7386**	**10,535.7386**	**0.4430**	**0.0000**	**10,546.8133**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2030	1.7668	7.6863	54.2010	0.1101	2.7759	0.1872	2.9630	0.9740	0.1872	1.1612	0.0000	10,535.7261	10,535.7261	0.4430	0.0000	10,546.8007
2031	1.5686	6.9569	47.1630	0.0935	2.0126	0.1603	2.1728	0.5545	0.1603	0.7147	0.0000	8,802.6925	8,802.6925	0.3550	0.0000	8,811.5673
2032	1.4154	6.3720	43.5953	0.0858	1.4014	0.1455	1.5468	0.4885	0.1455	0.6339	0.0000	8,100.5927	8,100.5927	0.3262	0.0000	8,108.7472

2033	1.1379	5.2988	33.5989	0.0626	0.4085	0.1080	0.5165	0.2127	0.1080	0.3207	0.0000	5,685.7910	5,685.7910	0.2280	0.0000	5,691.4908
2034	1.1138	5.0559	32.6010	0.0610	0.4187	0.1047	0.5234	0.2138	0.1047	0.3185	0.0000	5,546.5146	5,546.5146	0.2209	0.0000	5,552.0366
Maximum	**1.7668**	**7.6863**	**54.2010**	**0.1101**	**2.7759**	**0.1872**	**2.9630**	**0.9740**	**0.1872**	**1.1612**	**0.0000**	**10,535.7261**	**10,535.7261**	**0.4430**	**0.0000**	**10,546.8007**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**66.91**	**61.77**	**-28.88**	**0.00**	**61.00**	**72.21**	**62.39**	**61.00**	**72.21**	**64.23**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
41	**1-1-2030**	**3-31-2030**	7.3385	2.3373
42	**4-1-2030**	**6-30-2030**	7.4200	2.3633
43	**7-1-2030**	**9-30-2030**	7.5015	2.3892
44	**10-1-2030**	**12-31-2030**	7.4200	2.3633
45	**1-1-2031**	**3-31-2031**	5.6925	2.1080
46	**4-1-2031**	**6-30-2031**	5.7558	2.1314
47	**7-1-2031**	**9-30-2031**	5.8190	2.1548
48	**10-1-2031**	**12-31-2031**	5.7558	2.1314
49	**1-1-2032**	**3-31-2032**	5.3035	1.9468
50	**4-1-2032**	**6-30-2032**	5.3035	1.9468
51	**7-1-2032**	**9-30-2032**	5.3618	1.9682
52	**10-1-2032**	**12-31-2032**	5.2453	1.9255
53	**1-1-2033**	**3-31-2033**	3.6873	1.5915
54	**4-1-2033**	**6-30-2033**	3.7283	1.6092
55	**7-1-2033**	**9-30-2033**	3.7693	1.6268
56	**10-1-2033**	**12-31-2033**	3.7283	1.6092
57	**1-1-2034**	**3-31-2034**	3.5559	1.5255
58	**4-1-2034**	**6-30-2034**	3.5954	1.5424
59	**7-1-2034**	**9-30-2034**	3.6349	1.5594
		Highest	7.5015	2.3892

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	165.9964	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758
Energy	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	35,527.5807	35,527.5807	1.3695	0.3465	35,665.0832
Waste						0.0000	0.0000		0.0000	0.0000	7,746.9471	0.0000	7,746.9471	457.8315	0.0000	19,192.7336
Water						0.0000	0.0000		0.0000	0.0000	2,978.6172	38,951.7603	41,930.3775	307.5407	7.5564	51,870.7141
Total	**166.4408**	**4.0447**	**3.9101**	**0.0243**		**0.3089**	**0.3089**		**0.3089**	**0.3089**	**10,725.5643**	**74,480.3517**	**85,205.9160**	**766.7442**	**7.9030**	**106,729.6066**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	165.9964	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758
Energy	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	35,527.5807	35,527.5807	1.3695	0.3465	35,665.0832
Waste						0.0000	0.0000		0.0000	0.0000	7,746.9471	0.0000	7,746.9471	457.8315	0.0000	19,192.7336
Water						0.0000	0.0000		0.0000	0.0000	2,978.6172	38,951.7603	41,930.3775	307.5407	7.5564	51,870.7141
Total	**166.4408**	**4.0447**	**3.9101**	**0.0243**		**0.3089**	**0.3089**		**0.3089**	**0.3089**	**10,725.5643**	**74,480.3517**	**85,205.9160**	**766.7442**	**7.9030**	**106,729.6066**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Plot 11 (2030) Mass Excavation	Grading	1/1/2030	12/30/2030	5	260	11
2	Plot 11 (2030) Finish Grading	Grading	1/1/2030	12/30/2030	5	260	12
3	Plot 11 (2030) Utilities	Trenching	1/1/2030	12/30/2030	5	260	13
4	Plot 11 (2030) Building-Concrete	Building Construction	1/1/2030	12/30/2030	5	260	14
5	Plot 11 (2030) Building-Wet Utilities	Building Construction	1/1/2030	12/30/2030	5	260	15
6	Plot 11 (2030) Building-Electrical	Building Construction	1/1/2030	12/30/2030	5	260	16
7	Plot 11 (2030) Building-Landscaping	Building Construction	1/1/2030	12/30/2030	5	260	17
8	Plot 11 (2030) Landscaping	Building Construction	1/1/2030	12/30/2030	5	260	18
9	Plot 11 (2030) Temporary Utilities	Building Construction	1/1/2030	12/30/2030	5	260	19
10	Plot 11 (2030) Curbing/Drive Approaches	Paving	1/1/2030	12/30/2030	5	260	20
11	Plot 11 (2030) Paving	Paving	1/1/2030	12/30/2030	5	260	21
12	Plot 11 (2031) Mass Excavation	Grading	1/1/2031	12/30/2031	5	260	22
13	Plot 11 (2031) Finish Grading	Grading	1/1/2031	12/30/2031	5	260	23
14	Plot 11 (2031) Utilities	Trenching	1/1/2031	12/30/2031	5	260	24
15	Plot 11 (2031) Building-Concrete	Building Construction	1/1/2031	12/30/2031	5	260	25
16	Plot 11 (2031) Building-Wet Utilities	Building Construction	1/1/2031	12/30/2031	5	260	26
17	Plot 11 (2031) Building-Electrical	Building Construction	1/1/2031	12/30/2031	5	260	27
18	Plot 11 (2031) Building-Landscaping	Building Construction	1/1/2031	12/30/2031	5	260	28
19	Plot 11 (2031) Landscaping	Building Construction	1/1/2031	12/30/2031	5	260	29
20	Plot 11 (2031) Temporary Utilities	Building Construction	1/1/2031	12/30/2031	5	260	30
21	Plot 11 (2031) Curbing/Drive Approaches	Paving	1/1/2031	12/30/2031	5	260	31
22	Plot 11 (2031) Paving	Paving	1/1/2031	12/30/2031	5	260	32
23	Plots 11 and 12 (2032) Mass Excavation	Grading	1/1/2032	12/29/2032	5	260	33
24	Plots 11 and 12 (2032) Finish Grading	Grading	1/1/2032	12/29/2032	5	260	34
25	Plots 11 and 12 (2032) Utilities	Trenching	1/1/2032	12/29/2032	5	260	35
26	Plots 11 and 12 (2032) Building-Concrete	Building Construction	1/1/2032	12/29/2032	5	260	36
27	Plots 11 and 12 (2032) Building-Wet Utilities	Building Construction	1/1/2032	12/29/2032	5	260	37
28	Plots 11 and 12 (2032) Building-Electrical	Building Construction	1/1/2032	12/29/2032	5	260	38

29	Plots 11 and 12 (2032) Building-Landscaping	Building Construction	1/1/2032	12/29/2032	5	260	39
30	Plots 11 and 12 (2032) Landscaping	Building Construction	1/1/2032	12/29/2032	5	260	40
31	Plots 11 and 12 (2032) Temporary Utilities	Building Construction	1/1/2032	12/29/2032	5	260	41
32	Plots 11 and 12 (2032) Curbing/Drive Approaches	Paving	1/1/2032	12/29/2032	5	260	42
33	Plots 11 and 12 (2032) Paving	Paving	1/1/2032	12/29/2032	5	260	43
34	Plot 12 (2033) Finish Grading	Grading	1/1/2033	12/30/2033	5	260	45
35	Plot 12 (2033) Utilities	Trenching	1/1/2033	12/30/2033	5	260	46
36	Plot 12 (2033) Building-Concrete	Building Construction	1/1/2033	12/30/2033	5	260	47
37	Plot 12 (2033) Building-Wet Utilities	Building Construction	1/1/2033	12/30/2033	5	260	48
38	Plot 12 (2033) Building-Electrical	Building Construction	1/1/2033	12/30/2033	5	260	49
39	Plot 12 (2033) Building-Landscaping	Building Construction	1/1/2033	12/30/2033	5	260	50
40	Plot 12 (2033) Landscaping	Building Construction	1/1/2033	12/30/2033	5	260	51
41	Plot 12 (2033) Temporary Utilities	Building Construction	1/1/2033	12/30/2033	5	260	52
42	Plot 12 (2033) Curbing/Drive Approaches	Paving	1/1/2033	12/30/2033	5	260	53
43	Plot 12 (2033) Paving	Paving	1/1/2033	12/30/2033	5	260	54
44	Plots 12 and 21,22 (2034) Finish Grading	Grading	1/1/2034	12/31/2034	5	260	56
45	Plots 12 and 21,22 (2034) Utilities	Trenching	1/1/2034	12/31/2034	5	260	57
46	Plots 12 and 21,22 (2034) Building-Concrete	Building Construction	1/1/2034	12/31/2034	5	260	58
47	Plots 12 and 21,22 (2034) Building-Wet Utilities	Building Construction	1/1/2034	12/31/2034	5	260	59
48	Plots 12 and 21,22 (2034) Building-Electrical	Building Construction	1/1/2034	12/31/2034	5	260	60
49	Plots 12 and 21,22 (2034) Building-Landscaping	Building Construction	1/1/2034	12/29/2034	5	260	61
50	Plots 12 and 21,22 (2034) Landscaping	Building Construction	1/1/2034	12/29/2034	5	260	62
51	Plots 12 and 21,22 (2034) Temporary Utilities	Building Construction	1/1/2034	12/29/2034	5	260	63
52	Plots 12 and 21,22 (2034) Curbing/Drive Approaches	Paving	1/1/2034	12/29/2034	5	260	64
53	Plots 12 and 21,22 (2034) Paving	Paving	1/1/2034	12/29/2034	5	260	65

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 123.6

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Plot 11 (2030) Mass Excavation	Graders	1	10.00	193	0.41
Plot 11 (2030) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plot 11 (2030) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2030) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2030) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 11 (2030) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 11 (2030) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plot 11 (2030) Mass Excavation	Rubber Tired Dozers	2	10.00	580	0.40
Plot 11 (2030) Mass Excavation	Rubber Tired Dozers	2	10.00	410	0.40
Plot 11 (2030) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plot 11 (2030) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plot 11 (2030) Mass Excavation	Rubber Tired Dozers	1	10.00	85	0.40
Plot 11 (2030) Mass Excavation	Scrapers	6	10.00	550	0.48
Plot 11 (2030) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2030) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2030) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2030) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plot 11 (2030) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plot 11 (2030) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2030) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 11 (2030) Utilities	Excavators	1	10.00	523	0.38
Plot 11 (2030) Utilities	Excavators	5	10.00	286	0.38
Plot 11 (2030) Utilities	Excavators	1	10.00	190	0.38
Plot 11 (2030) Utilities	Excavators	2	10.00	396	0.38
Plot 11 (2030) Utilities	Excavators	1	10.00	190	0.38
Plot 11 (2030) Utilities	Excavators	1	10.00	188	0.38
Plot 11 (2030) Utilities	Excavators	4	10.00	40	0.38
Plot 11 (2030) Utilities	Forklifts	2	10.00	89	0.20
Plot 11 (2030) Utilities	Other Material Handling Equipment	4	1.00	167	0.40
Plot 11 (2030) Utilities	Other Material Handling Equipment	10	1.00	167	0.40

Plot 11 (2030)	Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2030)	Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2030)	Building-Concrete	Cement and Mortar Mixers	10	1.00	9	0.56
Plot 11 (2030)	Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2030)	Building-Concrete	Pumps	1	10.00	84	0.74
Plot 11 (2030)	Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2030)	Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plot 11 (2030)	Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plot 11 (2030)	Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plot 11 (2030)	Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 11 (2030)	Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plot 11 (2030)	Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plot 11 (2030)	Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 11 (2030)	Building-Electrical	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 11 (2030)	Building-Electrical	Excavators	4	10.00	40	0.38
Plot 11 (2030)	Building-Electrical	Forklifts	2	10.00	89	0.20
Plot 11 (2030)	Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2030)	Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2030)	Building-Landscaping	Excavators	1	10.00	29	0.38
Plot 11 (2030)	Building-Landscaping	Forklifts	1	10.00	125	0.20
Plot 11 (2030)	Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 11 (2030)	Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 11 (2030)	Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 11 (2030)	Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 11 (2030)	Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 11 (2030)	Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 11 (2030)	Building-Landscaping	Trenchers	1	10.00	39	0.50
Plot 11 (2030)	Landscaping	Excavators	1	10.00	29	0.38
Plot 11 (2030)	Landscaping	Forklifts	1	10.00	125	0.20
Plot 11 (2030)	Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2030)	Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plot 11 (2030)	Landscaping	Rubber Tired Loaders	1	10.00	149	0.36

Plot 11 (2030) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 11 (2030) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 11 (2030) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 11 (2030) Landscaping	Trenchers	1	10.00	39	0.50
Plot 11 (2030) Temporary Utilities	Cranes	1	10.00	445	0.29
Plot 11 (2030) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plot 11 (2030) Curbing/Drive Approaches	Other Material Handling Equipment	2	1.00	167	0.40
Plot 11 (2030) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2030) Paving	Pavers	1	10.00	126	0.42
Plot 11 (2030) Paving	Paving Equipment	1	10.00	131	0.36
Plot 11 (2030) Paving	Plate Compactors	1	10.00	8	0.43
Plot 11 (2030) Paving	Rollers	1	10.00	81	0.38
Plot 11 (2030) Paving	Scrapers	1	10.00	362	0.48
Plot 11 (2030) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37
Plot 11 (2031) Mass Excavation	Graders	1	10.00	193	0.41
Plot 11 (2031) Mass Excavation	Off-Highway Trucks	1	10.00	400	0.38
Plot 11 (2031) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2031) Mass Excavation	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2031) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 11 (2031) Mass Excavation	Plate Compactors	1	10.00	354	0.43
Plot 11 (2031) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plot 11 (2031) Mass Excavation	Rubber Tired Dozers	1	10.00	140	0.40
Plot 11 (2031) Mass Excavation	Rubber Tired Dozers	1	10.00	85	0.40
Plot 11 (2031) Mass Excavation	Scrapers	6	10.00	550	0.48
Plot 11 (2031) Mass Excavation	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2031) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2031) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2031) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plot 11 (2031) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plot 11 (2031) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2031) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 11 (2031) Utilities	Excavators	1	10.00	523	0.38

Plot 11 (2031) Utilities	Excavators	5	10.00	286	0.38
Plot 11 (2031) Utilities	Excavators	1	10.00	190	0.38
Plot 11 (2031) Utilities	Excavators	2	10.00	396	0.38
Plot 11 (2031) Utilities	Excavators	1	10.00	190	0.38
Plot 11 (2031) Utilities	Excavators	1	10.00	188	0.38
Plot 11 (2031) Utilities	Excavators	4	10.00	40	0.38
Plot 11 (2031) Utilities	Forklifts	2	10.00	89	0.20
Plot 11 (2031) Utilities	Other Material Handling Equipment	4	1.00	167	0.40
Plot 11 (2031) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 11 (2031) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 11 (2031) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2031) Building-Concrete	Cement and Mortar Mixers	10	1.00	9	0.56
Plot 11 (2031) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2031) Building-Concrete	Pumps	1	10.00	84	0.74
Plot 11 (2031) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2031) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plot 11 (2031) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plot 11 (2031) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plot 11 (2031) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 11 (2031) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plot 11 (2031) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plot 11 (2031) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 11 (2031) Building-Electrical	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 11 (2031) Building-Electrical	Excavators	4	10.00	40	0.38
Plot 11 (2031) Building-Electrical	Forklifts	2	10.00	89	0.20
Plot 11 (2031) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2031) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 11 (2031) Building-Landscaping	Excavators	1	10.00	29	0.38
Plot 11 (2031) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plot 11 (2031) Building-Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2031) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plot 11 (2031) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36

Plot 11 (2031) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 11 (2031) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 11 (2031) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 11 (2031) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plot 11 (2031) Landscaping	Excavators	1	10.00	29	0.38
Plot 11 (2031) Landscaping	Forklifts	1	10.00	125	0.20
Plot 11 (2031) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plot 11 (2031) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plot 11 (2031) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 11 (2031) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 11 (2031) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 11 (2031) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 11 (2031) Landscaping	Trenchers	1	10.00	39	0.50
Plot 11 (2031) Temporary Utilities	Cranes	1	10.00	445	0.29
Plot 11 (2031) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plot 11 (2031) Curbing/Drive Approaches	Other Material Handling Equipment	2	1.00	167	0.40
Plot 11 (2031) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plot 11 (2031) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plot 11 (2031) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plot 11 (2031) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plot 11 (2031) Paving	Pavers	1	10.00	126	0.42
Plot 11 (2031) Paving	Paving Equipment	1	10.00	131	0.36
Plot 11 (2031) Paving	Plate Compactors	1	10.00	8	0.43
Plot 11 (2031) Paving	Rollers	1	10.00	81	0.38
Plot 11 (2031) Paving	Scrapers	1	10.00	362	0.48
Plot 11 (2031) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37
Plots 11 and 12 (2032) Mass Excavation	Rubber Tired Dozers	1	10.00	305	0.40
Plots 11 and 12 (2032) Mass Excavation	Rubber Tired Dozers	1	10.00	85	0.40
Plots 11 and 12 (2032) Mass Excavation	Scrapers	6	10.00	550	0.48
Plots 11 and 12 (2032) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 12 (2032) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 12 (2032) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40

Plots 11 and 12 (2032) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plots 11 and 12 (2032) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 11 and 12 (2032) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plots 11 and 12 (2032) Utilities	Excavators	1	10.00	523	0.38
Plots 11 and 12 (2032) Utilities	Excavators	5	10.00	286	0.38
Plots 11 and 12 (2032) Utilities	Excavators	1	10.00	190	0.38
Plots 11 and 12 (2032) Utilities	Excavators	2	10.00	396	0.38
Plots 11 and 12 (2032) Utilities	Excavators	1	10.00	190	0.38
Plots 11 and 12 (2032) Utilities	Excavators	1	10.00	188	0.38
Plots 11 and 12 (2032) Utilities	Excavators	4	10.00	40	0.38
Plots 11 and 12 (2032) Utilities	Forklifts	2	10.00	89	0.20
Plots 11 and 12 (2032) Utilities	Other Material Handling Equipment	2	1.00	167	0.40
Plots 11 and 12 (2032) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 11 and 12 (2032) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 11 and 12 (2032) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 11 and 12 (2032) Building-Concrete	Cement and Mortar Mixers	10	1.00	9	0.56
Plots 11 and 12 (2032) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 12 (2032) Building-Concrete	Pumps	1	10.00	84	0.74
Plots 11 and 12 (2032) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 11 and 12 (2032) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plots 11 and 12 (2032) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plots 11 and 12 (2032) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plots 11 and 12 (2032) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 11 and 12 (2032) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plots 11 and 12 (2032) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plots 11 and 12 (2032) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 11 and 12 (2032) Building-Electrical	Cement and Mortar Mixers	4	1.00	9	0.56
Plots 11 and 12 (2032) Building-Electrical	Excavators	4	10.00	40	0.38
Plots 11 and 12 (2032) Building-Electrical	Forklifts	2	10.00	89	0.20
Plots 11 and 12 (2032) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plots 11 and 12 (2032) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 11 and 12 (2032) Building-Landscaping	Excavators	1	10.00	29	0.38

Plots 11 and 12 (2032) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plots 11 and 12 (2032) Building-Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 12 (2032) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 11 and 12 (2032) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 11 and 12 (2032) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 11 and 12 (2032) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 11 and 12 (2032) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 11 and 12 (2032) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plots 11 and 12 (2032) Landscaping	Excavators	1	10.00	29	0.38
Plots 11 and 12 (2032) Landscaping	Forklifts	1	10.00	125	0.20
Plots 11 and 12 (2032) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plots 11 and 12 (2032) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plots 11 and 12 (2032) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 11 and 12 (2032) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 11 and 12 (2032) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 11 and 12 (2032) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 11 and 12 (2032) Landscaping	Trenchers	1	10.00	39	0.50
Plots 11 and 12 (2032) Temporary Utilities	Cranes	1	10.00	445	0.29
Plots 11 and 12 (2032) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plots 11 and 12 (2032) Curbing/Drive Approaches	Other Material Handling Equipment	2	1.00	167	0.40
Plots 11 and 12 (2032) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plots 11 and 12 (2032) Paving	Pavers	1	10.00	126	0.42
Plots 11 and 12 (2032) Paving	Paving Equipment	1	10.00	131	0.36
Plots 11 and 12 (2032) Paving	Plate Compactors	1	10.00	8	0.43
Plots 11 and 12 (2032) Paving	Rollers	1	10.00	81	0.38
Plots 11 and 12 (2032) Paving	Scrapers	1	10.00	362	0.48
Plots 11 and 12 (2032) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37
Plot 12 (2033) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 12 (2033) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plot 12 (2033) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plot 12 (2033) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plot 12 (2033) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56

Plot 12 (2033) Utilities	Excavators	1	10.00	523	0.38
Plot 12 (2033) Utilities	Excavators	5	10.00	286	0.38
Plot 12 (2033) Utilities	Excavators	1	10.00	190	0.38
Plot 12 (2033) Utilities	Excavators	2	10.00	396	0.38
Plot 12 (2033) Utilities	Excavators	1	10.00	190	0.38
Plot 12 (2033) Utilities	Excavators	1	10.00	188	0.38
Plot 12 (2033) Utilities	Excavators	4	10.00	40	0.38
Plot 12 (2033) Utilities	Forklifts	2	10.00	89	0.20
Plot 12 (2033) Utilities	Other Material Handling Equipment	2	1.00	167	0.40
Plot 12 (2033) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 12 (2033) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plot 12 (2033) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 12 (2033) Building-Concrete	Cement and Mortar Mixers	10	1.00	9	0.56
Plot 12 (2033) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plot 12 (2033) Building-Concrete	Pumps	1	10.00	84	0.74
Plot 12 (2033) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 12 (2033) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plot 12 (2033) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plot 12 (2033) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plot 12 (2033) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plot 12 (2033) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plot 12 (2033) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plot 12 (2033) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plot 12 (2033) Building-Electrical	Cement and Mortar Mixers	4	1.00	9	0.56
Plot 12 (2033) Building-Electrical	Excavators	4	10.00	40	0.38
Plot 12 (2033) Building-Electrical	Forklifts	2	10.00	89	0.20
Plot 12 (2033) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plot 12 (2033) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plot 12 (2033) Building-Landscaping	Excavators	1	10.00	29	0.38
Plot 12 (2033) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plot 12 (2033) Building-Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plot 12 (2033) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40

Plot 12 (2033) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 12 (2033) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 12 (2033) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 12 (2033) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 12 (2033) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plot 12 (2033) Landscaping	Excavators	1	10.00	29	0.38
Plot 12 (2033) Landscaping	Forklifts	1	10.00	125	0.20
Plot 12 (2033) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plot 12 (2033) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plot 12 (2033) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plot 12 (2033) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plot 12 (2033) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plot 12 (2033) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plot 12 (2033) Landscaping	Trenchers	1	10.00	39	0.50
Plot 12 (2033) Temporary Utilities	Cranes	1	10.00	445	0.29
Plot 12 (2033) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plot 12 (2033) Curbing/Drive Approaches	Other Material Handling Equipment	2	1.00	167	0.40
Plot 12 (2033) Curbing/Drive Approaches	Paving Equipment	1	10.00	99	0.36
Plot 12 (2033) Curbing/Drive Approaches	Paving Equipment	1	10.00	131	0.36
Plot 12 (2033) Curbing/Drive Approaches	Tractors/Loaders/Backhoes	1	10.00	55	0.37
Plot 12 (2033) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plot 12 (2033) Paving	Pavers	1	10.00	126	0.42
Plot 12 (2033) Paving	Paving Equipment	1	10.00	131	0.36
Plot 12 (2033) Paving	Plate Compactors	1	10.00	8	0.43
Plot 12 (2033) Paving	Rollers	1	10.00	81	0.38
Plot 12 (2033) Paving	Scrapers	1	10.00	362	0.48
Plot 12 (2033) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37
Plots 12 and 21,22 (2034) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 12 and 21,22 (2034) Finish Grading	Other Material Handling Equipment	1	1.00	167	0.40
Plots 12 and 21,22 (2034) Finish Grading	Rubber Tired Dozers	1	10.00	140	0.40
Plots 12 and 21,22 (2034) Finish Grading	Rubber Tired Dozers	1	10.00	85	0.40
Plots 12 and 21,22 (2034) Finish Grading	Tractors/Loaders/Backhoes	1	10.00	85	0.37

Plots 12 and 21,22 (2034) Utilities	Cement and Mortar Mixers	4	1.00	9	0.56
Plots 12 and 21,22 (2034) Utilities	Excavators	1	10.00	523	0.38
Plots 12 and 21,22 (2034) Utilities	Excavators	5	10.00	286	0.38
Plots 12 and 21,22 (2034) Utilities	Excavators	1	10.00	190	0.38
Plots 12 and 21,22 (2034) Utilities	Excavators	2	10.00	396	0.38
Plots 12 and 21,22 (2034) Utilities	Excavators	1	10.00	190	0.38
Plots 12 and 21,22 (2034) Utilities	Excavators	1	10.00	188	0.38
Plots 12 and 21,22 (2034) Utilities	Excavators	4	10.00	40	0.38
Plots 12 and 21,22 (2034) Utilities	Forklifts	2	10.00	89	0.20
Plots 12 and 21,22 (2034) Utilities	Other Material Handling Equipment	1	1.00	167	0.40
Plots 12 and 21,22 (2034) Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 12 and 21,22 (2034) Utilities	Tractors/Loaders/Backhoes	1	10.00	85	0.37
Plots 12 and 21,22 (2034) Utilities	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 12 and 21,22 (2034) Building-Concrete	Cement and Mortar Mixers	5	1.00	9	0.56
Plots 12 and 21,22 (2034) Building-Concrete	Other Material Handling Equipment	1	1.00	167	0.40
Plots 12 and 21,22 (2034) Building-Concrete	Pumps	1	10.00	84	0.74
Plots 12 and 21,22 (2034) Building-Concrete	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 12 and 21,22 (2034) Building-Wet Utilities	Excavators	1	10.00	300	0.38
Plots 12 and 21,22 (2034) Building-Wet Utilities	Excavators	1	10.00	179	0.38
Plots 12 and 21,22 (2034) Building-Wet Utilities	Excavators	1	10.00	173	0.38
Plots 12 and 21,22 (2034) Building-Wet Utilities	Other Material Handling Equipment	8	1.00	167	0.40
Plots 12 and 21,22 (2034) Building-Wet Utilities	Rubber Tired Loaders	3	10.00	152	0.36
Plots 12 and 21,22 (2034) Building-Wet Utilities	Tractors/Loaders/Backhoes	3	10.00	108	0.37
Plots 12 and 21,22 (2034) Building-Wet Utilities	Tractors/Loaders/Backhoes	2	10.00	85	0.37
Plots 12 and 21,22 (2034) Building-Electrical	Cement and Mortar Mixers	4	1.00	9	0.56
Plots 12 and 21,22 (2034) Building-Electrical	Excavators	4	10.00	40	0.38
Plots 12 and 21,22 (2034) Building-Electrical	Forklifts	2	10.00	89	0.20
Plots 12 and 21,22 (2034) Building-Electrical	Other Material Handling Equipment	3	1.00	167	0.40
Plots 12 and 21,22 (2034) Building-Electrical	Tractors/Loaders/Backhoes	4	10.00	90	0.37
Plots 12 and 21,22 (2034) Building-Landscaping	Excavators	1	10.00	29	0.38
Plots 12 and 21,22 (2034) Building-Landscaping	Forklifts	1	10.00	125	0.20
Plots 12 and 21,22 (2034) Building-Landscaping	Other Material Handling Equipment	1	1.00	167	0.40

Plots 12 and 21,22 (2034) Building-Landscaping	Other Material Handling Equipment	2	1.00	167	0.40
Plots 12 and 21,22 (2034) Building-Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 12 and 21,22 (2034) Building-Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 12 and 21,22 (2034) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 12 and 21,22 (2034) Building-Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 12 and 21,22 (2034) Building-Landscaping	Trenchers	1	10.00	39	0.50
Plots 12 and 21,22 (2034) Landscaping	Excavators	1	10.00	29	0.38
Plots 12 and 21,22 (2034) Landscaping	Forklifts	1	10.00	125	0.20
Plots 12 and 21,22 (2034) Landscaping	Other Material Handling Equipment	1	1.00	167	0.40
Plots 12 and 21,22 (2034) Landscaping	Other Material Handling Equipment	5	1.00	167	0.40
Plots 12 and 21,22 (2034) Landscaping	Rubber Tired Loaders	1	10.00	149	0.36
Plots 12 and 21,22 (2034) Landscaping	Skid Steer Loaders	1	10.00	69	0.37
Plots 12 and 21,22 (2034) Landscaping	Tractors/Loaders/Backhoes	1	10.00	73	0.37
Plots 12 and 21,22 (2034) Landscaping	Tractors/Loaders/Backhoes	1	10.00	78	0.37
Plots 12 and 21,22 (2034) Landscaping	Trenchers	1	10.00	39	0.50
Plots 12 and 21,22 (2034) Temporary Utilities	Cranes	1	10.00	445	0.29
Plots 12 and 21,22 (2034) Curbing/Drive Approaches	Cement and Mortar Mixers	3	1.00	9	0.56
Plots 12 and 21,22 (2034) Paving	Other Material Handling Equipment	3	1.00	167	0.40
Plots 12 and 21,22 (2034) Paving	Pavers	1	10.00	126	0.42
Plots 12 and 21,22 (2034) Paving	Paving Equipment	1	10.00	131	0.36
Plots 12 and 21,22 (2034) Paving	Plate Compactors	1	10.00	8	0.43
Plots 12 and 21,22 (2034) Paving	Rollers	1	10.00	81	0.38
Plots 12 and 21,22 (2034) Paving	Scrapers	1	10.00	362	0.48
Plots 12 and 21,22 (2034) Paving	Tractors/Loaders/Backhoes	2	10.00	90	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Plot 11 (2030) Mass Excavation - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.0181	0.0000	6.0181	1.9466	0.0000	1.9466	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7069	12.4250	12.9283	0.0482		0.4709	0.4709		0.4709	0.4709	0.0000	4,906.5322	4,906.5322	0.2191	0.0000	4,912.0092
Total	**2.7069**	**12.4250**	**12.9283**	**0.0482**	**6.0181**	**0.4709**	**6.4890**	**1.9466**	**0.4709**	**2.4175**	**0.0000**	**4,906.5322**	**4,906.5322**	**0.2191**	**0.0000**	**4,912.0092**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3471	0.0000	2.3471	0.7592	0.0000	0.7592	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6390	2.5607	21.0083	0.0482		0.0801	0.0801		0.0801	0.0801	0.0000	4,906.5263	4,906.5263	0.2191	0.0000	4,912.0033
Total	**0.6390**	**2.5607**	**21.0083**	**0.0482**	**2.3471**	**0.0801**	**2.4271**	**0.7592**	**0.0801**	**0.8392**	**0.0000**	**4,906.5263**	**4,906.5263**	**0.2191**	**0.0000**	**4,912.0033**

3.3 Plot 11 (2030) Finish Grading - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Fugitive Dust					1.0995	0.0000	1.0995	0.5510	0.0000	0.5510	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0968	0.4973	1.0230	1.7300e-003		0.0216	0.0216		0.0216	0.0216	0.0000	148.9546	148.9546	7.7200e-003	0.0000	149.1475
Total	**0.0968**	**0.4973**	**1.0230**	**1.7300e-003**	**1.0995**	**0.0216**	**1.1211**	**0.5510**	**0.0216**	**0.5726**	**0.0000**	**148.9546**	**148.9546**	**7.7200e-003**	**0.0000**	**149.1475**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4288	0.0000	0.4288	0.2149	0.0000	0.2149	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0173	0.0751	1.0690	1.7300e-003		2.3100e-003	2.3100e-003		2.3100e-003	2.3100e-003	0.0000	148.9544	148.9544	7.7200e-003	0.0000	149.1474
Total	**0.0173**	**0.0751**	**1.0690**	**1.7300e-003**	**0.4288**	**2.3100e-003**	**0.4311**	**0.2149**	**2.3100e-003**	**0.2172**	**0.0000**	**148.9544**	**148.9544**	**7.7200e-003**	**0.0000**	**149.1474**

3.4 Plot 11 (2030) Utilities - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0544	3.2881	7.9375	0.0250		0.0891	0.0891		0.0891	0.0891	0.0000	2,387.0647	2,387.0647	0.0850	0.0000	2,389.1890
Total	**1.0544**	**3.2881**	**7.9375**	**0.0250**		**0.0891**	**0.0891**		**0.0891**	**0.0891**	**0.0000**	**2,387.0647**	**2,387.0647**	**0.0850**	**0.0000**	**2,389.1890**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2917	1.6602	11.7876	0.0250		0.0379	0.0379		0.0379	0.0379	0.0000	2,387.0619	2,387.0619	0.0850	0.0000	2,389.1862
Total	**0.2917**	**1.6602**	**11.7876**	**0.0250**		**0.0379**	**0.0379**		**0.0379**	**0.0379**	**0.0000**	**2,387.0619**	**2,387.0619**	**0.0850**	**0.0000**	**2,389.1862**

3.5 Plot 11 (2030) Building-Concrete - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1520	0.9881	2.1283	3.5900e-003		0.0207	0.0207		0.0207	0.0207	0.0000	305.9767	305.9767	0.0122	0.0000	306.2808
Total	**0.1520**	**0.9881**	**2.1283**	**3.5900e-003**		**0.0207**	**0.0207**		**0.0207**	**0.0207**	**0.0000**	**305.9767**	**305.9767**	**0.0122**	**0.0000**	**306.2808**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0443	0.2104	2.1926	3.5900e-003		6.9600e-003	6.9600e-003		6.9600e-003	6.9600e-003	0.0000	305.9764	305.9764	0.0122	0.0000	306.2804

Total	**0.0443**	**0.2104**	**2.1926**	**3.5900e-003**		**6.9600e-003**	**6.9600e-003**		**6.9600e-003**	**6.9600e-003**	**0.0000**	**305.9764**	**305.9764**	**0.0122**	**0.0000**	**306.2804**

3.6 Plot 11 (2030) Building-Wet Utilities - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4310	1.6475	5.2229	0.0108		0.0496	0.0496		0.0496	0.0496	0.0000	957.6770	957.6770	0.0344	0.0000	958.5357
Total	**0.4310**	**1.6475**	**5.2229**	**0.0108**		**0.0496**	**0.0496**		**0.0496**	**0.0496**	**0.0000**	**957.6770**	**957.6770**	**0.0344**	**0.0000**	**958.5357**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1115	0.4830	6.0905	0.0108		0.0149	0.0149		0.0149	0.0149	0.0000	957.6759	957.6759	0.0344	0.0000	958.5346
Total	**0.1115**	**0.4830**	**6.0905**	**0.0108**		**0.0149**	**0.0149**		**0.0149**	**0.0149**	**0.0000**	**957.6759**	**957.6759**	**0.0344**	**0.0000**	**958.5346**

3.7 Plot 11 (2030) Building-Electrical - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2541	1.4306	2.9391	4.5100e-003		0.0228	0.0228		0.0228	0.0228	0.0000	371.8412	371.8412	0.0205	0.0000	372.3528
Total	**0.2541**	**1.4306**	**2.9391**	**4.5100e-003**		**0.0228**	**0.0228**		**0.0228**	**0.0228**	**0.0000**	**371.8412**	**371.8412**	**0.0205**	**0.0000**	**372.3528**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0572	0.6438	2.7370	4.5100e-003		6.6500e-003	6.6500e-003		6.6500e-003	6.6500e-003	0.0000	371.8408	371.8408	0.0205	0.0000	372.3523
Total	**0.0572**	**0.6438**	**2.7370**	**4.5100e-003**		**6.6500e-003**	**6.6500e-003**		**6.6500e-003**	**6.6500e-003**	**0.0000**	**371.8408**	**371.8408**	**0.0205**	**0.0000**	**372.3523**

3.8 Plot 11 (2030) Building-Landscaping - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1926	0.8876	2.3166	3.8200e-003		0.0241	0.0241		0.0241	0.0241	0.0000	321.0480	321.0480	0.0154	0.0000	321.4337
Total	**0.1926**	**0.8876**	**2.3166**	**3.8200e-003**		**0.0241**	**0.0241**		**0.0241**	**0.0241**	**0.0000**	**321.0480**	**321.0480**	**0.0154**	**0.0000**	**321.4337**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0925	0.8138	2.4010	3.8200e-003		0.0126	0.0126		0.0126	0.0126	0.0000	321.0476	321.0476	0.0154	0.0000	321.4333
Total	**0.0925**	**0.8138**	**2.4010**	**3.8200e-003**		**0.0126**	**0.0126**		**0.0126**	**0.0126**	**0.0000**	**321.0476**	**321.0476**	**0.0154**	**0.0000**	**321.4333**

3.9 Plot 11 (2030) Landscaping - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2010	0.9121	2.4446	4.0500e-003		0.0251	0.0251		0.0251	0.0251	0.0000	340.7885	340.7885	0.0161	0.0000	341.1906
Total	**0.2010**	**0.9121**	**2.4446**	**4.0500e-003**		**0.0251**	**0.0251**		**0.0251**	**0.0251**	**0.0000**	**340.7885**	**340.7885**	**0.0161**	**0.0000**	**341.1906**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.0948	0.8237	2.5427	4.0500e-003		0.0129	0.0129		0.0129	0.0129	0.0000	340.7881	340.7881	0.0161	0.0000	341.1902
Total	**0.0948**	**0.8237**	**2.5427**	**4.0500e-003**		**0.0129**	**0.0129**		**0.0129**	**0.0129**	**0.0000**	**340.7881**	**340.7881**	**0.0161**	**0.0000**	**341.1902**

3.10 Plot 11 (2030) Temporary Utilities - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0821	0.2578	0.4032	1.8500e-003		8.5100e-003	8.5100e-003		8.5100e-003	8.5100e-003	0.0000	190.6814	190.6814	6.7100e-003	0.0000	190.8491
Total	**0.0821**	**0.2578**	**0.4032**	**1.8500e-003**		**8.5100e-003**	**8.5100e-003**		**8.5100e-003**	**8.5100e-003**	**0.0000**	**190.6814**	**190.6814**	**6.7100e-003**	**0.0000**	**190.8491**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0222	0.0962	0.8137	1.8500e-003		2.9600e-003	2.9600e-003		2.9600e-003	2.9600e-003	0.0000	190.6811	190.6811	6.7100e-003	0.0000	190.8489
Total	**0.0222**	**0.0962**	**0.8137**	**1.8500e-003**		**2.9600e-003**	**2.9600e-003**		**2.9600e-003**	**2.9600e-003**	**0.0000**	**190.6811**	**190.6811**	**6.7100e-003**	**0.0000**	**190.8489**

3.11 Plot 11 (2030) Curbing/Drive Approaches - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0113	0.0425	0.1430	2.6000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003	0.0000	21.9745	21.9745	8.9000e-004	0.0000	21.9968
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1732**	**0.0425**	**0.1430**	**2.6000e-004**		**1.7700e-003**	**1.7700e-003**		**1.7700e-003**	**1.7700e-003**	**0.0000**	**21.9745**	**21.9745**	**8.9000e-004**	**0.0000**	**21.9968**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.1600e-003	0.0279	0.1567	2.6000e-004		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	21.9745	21.9745	8.9000e-004	0.0000	21.9968
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1671**	**0.0279**	**0.1567**	**2.6000e-004**		**1.0000e-003**	**1.0000e-003**		**1.0000e-003**	**1.0000e-003**	**0.0000**	**21.9745**	**21.9745**	**8.9000e-004**	**0.0000**	**21.9968**

3.12 Plot 11 (2030) Paving - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3111	1.4863	2.7952	6.3100e-003		0.0554	0.0554		0.0554	0.0554	0.0000	583.1998	583.1998	0.0251	0.0000	583.8280
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	**0.4731**	**1.4863**	**2.7952**	**6.3100e-003**		**0.0554**	**0.0554**		**0.0554**	**0.0554**	**0.0000**	**583.1998**	**583.1998**	**0.0251**	**0.0000**	**583.8280**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0673	0.2916	3.4020	6.3100e-003		8.9700e-003	8.9700e-003		8.9700e-003	8.9700e-003	0.0000	583.1991	583.1991	0.0251	0.0000	583.8273
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2292**	**0.2916**	**3.4020**	**6.3100e-003**		**8.9700e-003**	**8.9700e-003**		**8.9700e-003**	**8.9700e-003**	**0.0000**	**583.1991**	**583.1991**	**0.0251**	**0.0000**	**583.8273**

3.13 Plot 11 (2031) Mass Excavation - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.0609	0.0000	4.0609	0.8707	0.0000	0.8707	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5451	6.3610	7.8851	0.0302		0.2406	0.2406		0.2406	0.2406	0.0000	3,050.6950	3,050.6950	0.1244	0.0000	3,053.8044
Total	**1.5451**	**6.3610**	**7.8851**	**0.0302**	**4.0609**	**0.2406**	**4.3015**	**0.8707**	**0.2406**	**1.1113**	**0.0000**	**3,050.6950**	**3,050.6950**	**0.1244**	**0.0000**	**3,053.8044**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Fugitive Dust					1.5838	0.0000	1.5838	0.3396	0.0000	0.3396	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4230	1.6248	13.0889	0.0302		0.0513	0.0513		0.0513	0.0513	0.0000	3,050.6913	3,050.6913	0.1244	0.0000	3,053.8008
Total	**0.4230**	**1.6248**	**13.0889**	**0.0302**	**1.5838**	**0.0513**	**1.6350**	**0.3396**	**0.0513**	**0.3909**	**0.0000**	**3,050.6913**	**3,050.6913**	**0.1244**	**0.0000**	**3,053.8008**

3.14 Plot 11 (2031) Finish Grading - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0995	0.0000	1.0995	0.5510	0.0000	0.5510	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0968	0.4973	1.0230	1.7300e-003		0.0216	0.0216		0.0216	0.0216	0.0000	148.9546	148.9546	7.7200e-003	0.0000	149.1475
Total	**0.0968**	**0.4973**	**1.0230**	**1.7300e-003**	**1.0995**	**0.0216**	**1.1211**	**0.5510**	**0.0216**	**0.5726**	**0.0000**	**148.9546**	**148.9546**	**7.7200e-003**	**0.0000**	**149.1475**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4288	0.0000	0.4288	0.2149	0.0000	0.2149	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0173	0.0751	1.0690	1.7300e-003		2.3100e-003	2.3100e-003		2.3100e-003	2.3100e-003	0.0000	148.9544	148.9544	7.7200e-003	0.0000	149.1474
Total	**0.0173**	**0.0751**	**1.0690**	**1.7300e-003**	**0.4288**	**2.3100e-003**	**0.4311**	**0.2149**	**2.3100e-003**	**0.2172**	**0.0000**	**148.9544**	**148.9544**	**7.7200e-003**	**0.0000**	**149.1474**

3.15 Plot 11 (2031) Utilities - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0460	3.2636	7.8096	0.0248		0.0880	0.0880		0.0880	0.0880	0.0000	2,367.3243	2,367.3243	0.0843	0.0000	2,369.4321
Total	**1.0460**	**3.2636**	**7.8096**	**0.0248**		**0.0880**	**0.0880**		**0.0880**	**0.0880**	**0.0000**	**2,367.3243**	**2,367.3243**	**0.0843**	**0.0000**	**2,369.4321**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2894	1.6502	11.6459	0.0248		0.0376	0.0376		0.0376	0.0376	0.0000	2,367.3215	2,367.3215	0.0843	0.0000	2,369.4293
Total	**0.2894**	**1.6502**	**11.6459**	**0.0248**		**0.0376**	**0.0376**		**0.0376**	**0.0376**	**0.0000**	**2,367.3215**	**2,367.3215**	**0.0843**	**0.0000**	**2,369.4293**

3.16 Plot 11 (2031) Building-Concrete - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1520	0.9881	2.1283	3.5900e-003		0.0207	0.0207		0.0207	0.0207	0.0000	305.9767	305.9767	0.0122	0.0000	306.2808

Total	**0.1520**	**0.9881**	**2.1283**	**3.5900e-003**		**0.0207**	**0.0207**		**0.0207**	**0.0207**	**0.0000**	**305.9767**	**305.9767**	**0.0122**	**0.0000**	**306.2808**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0443	0.2104	2.1926	3.5900e-003		6.9600e-003	6.9600e-003		6.9600e-003	6.9600e-003	0.0000	305.9764	305.9764	0.0122	0.0000	306.2804
Total	**0.0443**	**0.2104**	**2.1926**	**3.5900e-003**		**6.9600e-003**	**6.9600e-003**		**6.9600e-003**	**6.9600e-003**	**0.0000**	**305.9764**	**305.9764**	**0.0122**	**0.0000**	**306.2804**

3.17 Plot 11 (2031) Building-Wet Utilities - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4310	1.6475	5.2229	0.0108		0.0496	0.0496		0.0496	0.0496	0.0000	957.6770	957.6770	0.0344	0.0000	958.5357
Total	**0.4310**	**1.6475**	**5.2229**	**0.0108**		**0.0496**	**0.0496**		**0.0496**	**0.0496**	**0.0000**	**957.6770**	**957.6770**	**0.0344**	**0.0000**	**958.5357**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1115	0.4830	6.0905	0.0108		0.0149	0.0149		0.0149	0.0149	0.0000	957.6759	957.6759	0.0344	0.0000	958.5346
Total	**0.1115**	**0.4830**	**6.0905**	**0.0108**		**0.0149**	**0.0149**		**0.0149**	**0.0149**	**0.0000**	**957.6759**	**957.6759**	**0.0344**	**0.0000**	**958.5346**

3.18 Plot 11 (2031) Building-Electrical - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2541	1.4306	2.9391	4.5100e-003		0.0228	0.0228		0.0228	0.0228	0.0000	371.8412	371.8412	0.0205	0.0000	372.3528
Total	**0.2541**	**1.4306**	**2.9391**	**4.5100e-003**		**0.0228**	**0.0228**		**0.0228**	**0.0228**	**0.0000**	**371.8412**	**371.8412**	**0.0205**	**0.0000**	**372.3528**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0572	0.6438	2.7370	4.5100e-003		6.6500e-003	6.6500e-003		6.6500e-003	6.6500e-003	0.0000	371.8408	371.8408	0.0205	0.0000	372.3523
Total	**0.0572**	**0.6438**	**2.7370**	**4.5100e-003**		**6.6500e-003**	**6.6500e-003**		**6.6500e-003**	**6.6500e-003**	**0.0000**	**371.8408**	**371.8408**	**0.0205**	**0.0000**	**372.3523**

3.19 Plot 11 (2031) Building-Landscaping - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1884	0.8754	2.2527	3.7100e-003		0.0235	0.0235		0.0235	0.0235	0.0000	311.1778	311.1778	0.0151	0.0000	311.5552
Total	**0.1884**	**0.8754**	**2.2527**	**3.7100e-003**		**0.0235**	**0.0235**		**0.0235**	**0.0235**	**0.0000**	**311.1778**	**311.1778**	**0.0151**	**0.0000**	**311.5552**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0914	0.8088	2.3302	3.7100e-003		0.0124	0.0124		0.0124	0.0124	0.0000	311.1774	311.1774	0.0151	0.0000	311.5549
Total	**0.0914**	**0.8088**	**2.3302**	**3.7100e-003**		**0.0124**	**0.0124**		**0.0124**	**0.0124**	**0.0000**	**311.1774**	**311.1774**	**0.0151**	**0.0000**	**311.5549**

3.20 Plot 11 (2031) Landscaping - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.2010	0.9121	2.4446	4.0500e-003		0.0251	0.0251		0.0251	0.0251	0.0000	340.7885	340.7885	0.0161	0.0000	341.1906
Total	**0.2010**	**0.9121**	**2.4446**	**4.0500e-003**		**0.0251**	**0.0251**		**0.0251**	**0.0251**	**0.0000**	**340.7885**	**340.7885**	**0.0161**	**0.0000**	**341.1906**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0948	0.8237	2.5427	4.0500e-003		0.0129	0.0129		0.0129	0.0129	0.0000	340.7881	340.7881	0.0161	0.0000	341.1902
Total	**0.0948**	**0.8237**	**2.5427**	**4.0500e-003**		**0.0129**	**0.0129**		**0.0129**	**0.0129**	**0.0000**	**340.7881**	**340.7881**	**0.0161**	**0.0000**	**341.1902**

3.21 Plot 11 (2031) Temporary Utilities - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0821	0.2578	0.4032	1.8500e-003		8.5100e-003	8.5100e-003		8.5100e-003	8.5100e-003	0.0000	190.6814	190.6814	6.7100e-003	0.0000	190.8491
Total	**0.0821**	**0.2578**	**0.4032**	**1.8500e-003**		**8.5100e-003**	**8.5100e-003**		**8.5100e-003**	**8.5100e-003**	**0.0000**	**190.6814**	**190.6814**	**6.7100e-003**	**0.0000**	**190.8491**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0222	0.0962	0.8137	1.8500e-003		2.9600e-003	2.9600e-003		2.9600e-003	2.9600e-003	0.0000	190.6811	190.6811	6.7100e-003	0.0000	190.8489
Total	**0.0222**	**0.0962**	**0.8137**	**1.8500e-003**		**2.9600e-003**	**2.9600e-003**		**2.9600e-003**	**2.9600e-003**	**0.0000**	**190.6811**	**190.6811**	**6.7100e-003**	**0.0000**	**190.8489**

3.22 Plot 11 (2031) Curbing/Drive Approaches - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1062	0.5658	1.1914	2.0400e-003		0.0246	0.0246		0.0246	0.0246	0.0000	174.3867	174.3867	8.5900e-003	0.0000	174.6016
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2681**	**0.5658**	**1.1914**	**2.0400e-003**		**0.0246**	**0.0246**		**0.0246**	**0.0246**	**0.0000**	**174.3867**	**174.3867**	**8.5900e-003**	**0.0000**	**174.6016**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0264	0.2494	1.2505	2.0400e-003		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003	0.0000	174.3865	174.3865	8.5900e-003	0.0000	174.6014
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	**0.1883**	**0.2494**	**1.2505**	**2.0400e-003**		**3.3700e-003**	**3.3700e-003**		**3.3700e-003**	**3.3700e-003**	**0.0000**	**174.3865**	**174.3865**	**8.5900e-003**	**0.0000**	**174.6014**

3.23 Plot 11 (2031) Paving - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3111	1.4863	2.7952	6.3100e-003		0.0554	0.0554		0.0554	0.0554	0.0000	583.1998	583.1998	0.0251	0.0000	583.8280
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.4731**	**1.4863**	**2.7952**	**6.3100e-003**		**0.0554**	**0.0554**		**0.0554**	**0.0554**	**0.0000**	**583.1998**	**583.1998**	**0.0251**	**0.0000**	**583.8280**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0673	0.2916	3.4020	6.3100e-003		8.9700e-003	8.9700e-003		8.9700e-003	8.9700e-003	0.0000	583.1991	583.1991	0.0251	0.0000	583.8273
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2292**	**0.2916**	**3.4020**	**6.3100e-003**		**8.9700e-003**	**8.9700e-003**		**8.9700e-003**	**8.9700e-003**	**0.0000**	**583.1991**	**583.1991**	**0.0251**	**0.0000**	**583.8273**

3.24 Plots 11 and 12 (2032) Mass Excavation - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Fugitive Dust					2.5198	0.0000	2.5198	0.7043	0.0000	0.7043	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2884	5.4600	5.8649	0.0245		0.2040	0.2040		0.2040	0.2040	0.0000	2,520.7470	2,520.7470	0.1039	0.0000	2,523.3451
Total	**1.2884**	**5.4600**	**5.8649**	**0.0245**	**2.5198**	**0.2040**	**2.7237**	**0.7043**	**0.2040**	**0.9083**	**0.0000**	**2,520.7470**	**2,520.7470**	**0.1039**	**0.0000**	**2,523.3451**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.9827	0.0000	0.9827	0.2747	0.0000	0.2747	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2934	1.2713	10.7567	0.0245		0.0391	0.0391		0.0391	0.0391	0.0000	2,520.7441	2,520.7441	0.1039	0.0000	2,523.3421
Total	**0.2934**	**1.2713**	**10.7567**	**0.0245**	**0.9827**	**0.0391**	**1.0218**	**0.2747**	**0.0391**	**0.3138**	**0.0000**	**2,520.7441**	**2,520.7441**	**0.1039**	**0.0000**	**2,523.3421**

3.25 Plots 11 and 12 (2032) Finish Grading - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0735	0.0000	1.0735	0.5482	0.0000	0.5482	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0968	0.4973	1.0230	1.7300e-003		0.0216	0.0216		0.0216	0.0216	0.0000	148.9546	148.9546	7.7200e-003	0.0000	149.1475
Total	**0.0968**	**0.4973**	**1.0230**	**1.7300e-003**	**1.0735**	**0.0216**	**1.0951**	**0.5482**	**0.0216**	**0.5698**	**0.0000**	**148.9546**	**148.9546**	**7.7200e-003**	**0.0000**	**149.1475**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4187	0.0000	0.4187	0.2138	0.0000	0.2138	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0173	0.0751	1.0690	1.7300e-003		2.3100e-003	2.3100e-003		2.3100e-003	2.3100e-003	0.0000	148.9544	148.9544	7.7200e-003	0.0000	149.1474
Total	**0.0173**	**0.0751**	**1.0690**	**1.7300e-003**	**0.4187**	**2.3100e-003**	**0.4210**	**0.2138**	**2.3100e-003**	**0.2161**	**0.0000**	**148.9544**	**148.9544**	**7.7200e-003**	**0.0000**	**149.1474**

3.26 Plots 11 and 12 (2032) Utilities - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0375	3.2391	7.6817	0.0245		0.0869	0.0869		0.0869	0.0869	0.0000	2,347.5838	2,347.5838	0.0837	0.0000	2,349.6751
Total	**1.0375**	**3.2391**	**7.6817**	**0.0245**		**0.0869**	**0.0869**		**0.0869**	**0.0869**	**0.0000**	**2,347.5838**	**2,347.5838**	**0.0837**	**0.0000**	**2,349.6751**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2871	1.6402	11.5042	0.0245		0.0373	0.0373		0.0373	0.0373	0.0000	2,347.5811	2,347.5811	0.0837	0.0000	2,349.6724

Total	**0.2871**	**1.6402**	**11.5042**	**0.0245**		**0.0373**	**0.0373**		**0.0373**	**0.0373**	**0.0000**	**2,347.5811**	**2,347.5811**	**0.0837**	**0.0000**	**2,349.6724**

3.27 Plots 11 and 12 (2032) Building-Concrete - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1520	0.9881	2.1283	3.5900e-003		0.0207	0.0207		0.0207	0.0207	0.0000	305.9767	305.9767	0.0122	0.0000	306.2808
Total	**0.1520**	**0.9881**	**2.1283**	**3.5900e-003**		**0.0207**	**0.0207**		**0.0207**	**0.0207**	**0.0000**	**305.9767**	**305.9767**	**0.0122**	**0.0000**	**306.2808**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0443	0.2104	2.1926	3.5900e-003		6.9600e-003	6.9600e-003		6.9600e-003	6.9600e-003	0.0000	305.9764	305.9764	0.0122	0.0000	306.2804
Total	**0.0443**	**0.2104**	**2.1926**	**3.5900e-003**		**6.9600e-003**	**6.9600e-003**		**6.9600e-003**	**6.9600e-003**	**0.0000**	**305.9764**	**305.9764**	**0.0122**	**0.0000**	**306.2804**

3.28 Plots 11 and 12 (2032) Building-Wet Utilities - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4310	1.6475	5.2229	0.0108		0.0496	0.0496		0.0496	0.0496	0.0000	957.6770	957.6770	0.0344	0.0000	958.5357
Total	**0.4310**	**1.6475**	**5.2229**	**0.0108**		**0.0496**	**0.0496**		**0.0496**	**0.0496**	**0.0000**	**957.6770**	**957.6770**	**0.0344**	**0.0000**	**958.5357**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1115	0.4830	6.0905	0.0108		0.0149	0.0149		0.0149	0.0149	0.0000	957.6759	957.6759	0.0344	0.0000	958.5346
Total	**0.1115**	**0.4830**	**6.0905**	**0.0108**		**0.0149**	**0.0149**		**0.0149**	**0.0149**	**0.0000**	**957.6759**	**957.6759**	**0.0344**	**0.0000**	**958.5346**

3.29 Plots 11 and 12 (2032) Building-Electrical - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2541	1.4306	2.9391	4.5100e-003		0.0228	0.0228		0.0228	0.0228	0.0000	371.8412	371.8412	0.0205	0.0000	372.3528
Total	**0.2541**	**1.4306**	**2.9391**	**4.5100e-003**		**0.0228**	**0.0228**		**0.0228**	**0.0228**	**0.0000**	**371.8412**	**371.8412**	**0.0205**	**0.0000**	**372.3528**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0572	0.6438	2.7370	4.5100e-003		6.6500e-003	6.6500e-003		6.6500e-003	6.6500e-003	0.0000	371.8408	371.8408	0.0205	0.0000	372.3523
Total	**0.0572**	**0.6438**	**2.7370**	**4.5100e-003**		**6.6500e-003**	**6.6500e-003**		**6.6500e-003**	**6.6500e-003**	**0.0000**	**371.8408**	**371.8408**	**0.0205**	**0.0000**	**372.3523**

3.30 Plots 11 and 12 (2032) Building-Landscaping - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1884	0.8754	2.2527	3.7100e-003		0.0235	0.0235		0.0235	0.0235	0.0000	311.1778	311.1778	0.0151	0.0000	311.5552
Total	**0.1884**	**0.8754**	**2.2527**	**3.7100e-003**		**0.0235**	**0.0235**		**0.0235**	**0.0235**	**0.0000**	**311.1778**	**311.1778**	**0.0151**	**0.0000**	**311.5552**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.0914	0.8088	2.3302	3.7100e-003		0.0124	0.0124		0.0124	0.0124	0.0000	311.1774	311.1774	0.0151	0.0000	311.5549
Total	**0.0914**	**0.8088**	**2.3302**	**3.7100e-003**		**0.0124**	**0.0124**		**0.0124**	**0.0124**	**0.0000**	**311.1774**	**311.1774**	**0.0151**	**0.0000**	**311.5549**

3.31 Plots 11 and 12 (2032) Landscaping - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2010	0.9121	2.4446	4.0500e-003		0.0251	0.0251		0.0251	0.0251	0.0000	340.7885	340.7885	0.0161	0.0000	341.1906
Total	**0.2010**	**0.9121**	**2.4446**	**4.0500e-003**		**0.0251**	**0.0251**		**0.0251**	**0.0251**	**0.0000**	**340.7885**	**340.7885**	**0.0161**	**0.0000**	**341.1906**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0948	0.8237	2.5427	4.0500e-003		0.0129	0.0129		0.0129	0.0129	0.0000	340.7881	340.7881	0.0161	0.0000	341.1902
Total	**0.0948**	**0.8237**	**2.5427**	**4.0500e-003**		**0.0129**	**0.0129**		**0.0129**	**0.0129**	**0.0000**	**340.7881**	**340.7881**	**0.0161**	**0.0000**	**341.1902**

3.32 Plots 11 and 12 (2032) Temporary Utilities - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0821	0.2578	0.4032	1.8500e-003		8.5100e-003	8.5100e-003		8.5100e-003	8.5100e-003	0.0000	190.6814	190.6814	6.7100e-003	0.0000	190.8491
Total	**0.0821**	**0.2578**	**0.4032**	**1.8500e-003**		**8.5100e-003**	**8.5100e-003**		**8.5100e-003**	**8.5100e-003**	**0.0000**	**190.6814**	**190.6814**	**6.7100e-003**	**0.0000**	**190.8491**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0222	0.0962	0.8137	1.8500e-003		2.9600e-003	2.9600e-003		2.9600e-003	2.9600e-003	0.0000	190.6811	190.6811	6.7100e-003	0.0000	190.8489
Total	**0.0222**	**0.0962**	**0.8137**	**1.8500e-003**		**2.9600e-003**	**2.9600e-003**		**2.9600e-003**	**2.9600e-003**	**0.0000**	**190.6811**	**190.6811**	**6.7100e-003**	**0.0000**	**190.8489**

3.33 Plots 11 and 12 (2032) Curbing/Drive Approaches - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0113	0.0425	0.1430	2.6000e-004		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003	0.0000	21.9745	21.9745	8.9000e-004	0.0000	21.9968
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	**0.1732**	**0.0425**	**0.1430**	**2.6000e-004**		**1.7700e-003**	**1.7700e-003**		**1.7700e-003**	**1.7700e-003**	**0.0000**	**21.9745**	**21.9745**	**8.9000e-004**	**0.0000**	**21.9968**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.1600e-003	0.0279	0.1567	2.6000e-004		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	21.9745	21.9745	8.9000e-004	0.0000	21.9968
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1671**	**0.0279**	**0.1567**	**2.6000e-004**		**1.0000e-003**	**1.0000e-003**		**1.0000e-003**	**1.0000e-003**	**0.0000**	**21.9745**	**21.9745**	**8.9000e-004**	**0.0000**	**21.9968**

3.34 Plots 11 and 12 (2032) Paving - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3111	1.4863	2.7952	6.3100e-003		0.0554	0.0554		0.0554	0.0554	0.0000	583.1998	583.1998	0.0251	0.0000	583.8280
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.4731**	**1.4863**	**2.7952**	**6.3100e-003**		**0.0554**	**0.0554**		**0.0554**	**0.0554**	**0.0000**	**583.1998**	**583.1998**	**0.0251**	**0.0000**	**583.8280**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Off-Road	0.0673	0.2916	3.4020	6.3100e-003		8.9700e-003	8.9700e-003		8.9700e-003	8.9700e-003	0.0000	583.1991	583.1991	0.0251	0.0000	583.8273
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2292**	**0.2916**	**3.4020**	**6.3100e-003**		**8.9700e-003**	**8.9700e-003**		**8.9700e-003**	**8.9700e-003**	**0.0000**	**583.1991**	**583.1991**	**0.0251**	**0.0000**	**583.8273**

3.35 Plot 12 (2033) Finish Grading - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0475	0.0000	1.0475	0.5454	0.0000	0.5454	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0723	0.3510	0.6890	1.1900e-003		0.0189	0.0189		0.0189	0.0189	0.0000	102.4848	102.4848	5.7600e-003	0.0000	102.6287
Total	**0.0723**	**0.3510**	**0.6890**	**1.1900e-003**	**1.0475**	**0.0189**	**1.0664**	**0.5454**	**0.0189**	**0.5643**	**0.0000**	**102.4848**	**102.4848**	**5.7600e-003**	**0.0000**	**102.6287**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4085	0.0000	0.4085	0.2127	0.0000	0.2127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0119	0.0517	0.7355	1.1900e-003		1.5900e-003	1.5900e-003		1.5900e-003	1.5900e-003	0.0000	102.4847	102.4847	5.7600e-003	0.0000	102.6286
Total	**0.0119**	**0.0517**	**0.7355**	**1.1900e-003**	**0.4085**	**1.5900e-003**	**0.4101**	**0.2127**	**1.5900e-003**	**0.2143**	**0.0000**	**102.4847**	**102.4847**	**5.7600e-003**	**0.0000**	**102.6286**

3.36 Plot 12 (2033) Utilities - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0375	3.2391	7.6817	0.0245		0.0869	0.0869		0.0869	0.0869	0.0000	2,347.5838	2,347.5838	0.0837	0.0000	2,349.6751
Total	**1.0375**	**3.2391**	**7.6817**	**0.0245**		**0.0869**	**0.0869**		**0.0869**	**0.0869**	**0.0000**	**2,347.5838**	**2,347.5838**	**0.0837**	**0.0000**	**2,349.6751**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2871	1.6402	11.5042	0.0245		0.0373	0.0373		0.0373	0.0373	0.0000	2,347.5811	2,347.5811	0.0837	0.0000	2,349.6724
Total	**0.2871**	**1.6402**	**11.5042**	**0.0245**		**0.0373**	**0.0373**		**0.0373**	**0.0373**	**0.0000**	**2,347.5811**	**2,347.5811**	**0.0837**	**0.0000**	**2,349.6724**

3.37 Plot 12 (2033) Building-Concrete - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1520	0.9881	2.1283	3.5900e-003		0.0207	0.0207		0.0207	0.0207	0.0000	305.9767	305.9767	0.0122	0.0000	306.2808

Total	**0.1520**	**0.9881**	**2.1283**	**3.5900e-003**		**0.0207**	**0.0207**		**0.0207**	**0.0207**	**0.0000**	**305.9767**	**305.9767**	**0.0122**	**0.0000**	**306.2808**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0443	0.2104	2.1926	3.5900e-003		6.9600e-003	6.9600e-003		6.9600e-003	6.9600e-003	0.0000	305.9764	305.9764	0.0122	0.0000	306.2804
Total	**0.0443**	**0.2104**	**2.1926**	**3.5900e-003**		**6.9600e-003**	**6.9600e-003**		**6.9600e-003**	**6.9600e-003**	**0.0000**	**305.9764**	**305.9764**	**0.0122**	**0.0000**	**306.2804**

3.38 Plot 12 (2033) Building-Wet Utilities - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4310	1.6475	5.2229	0.0108		0.0496	0.0496		0.0496	0.0496	0.0000	957.6770	957.6770	0.0344	0.0000	958.5357
Total	**0.4310**	**1.6475**	**5.2229**	**0.0108**		**0.0496**	**0.0496**		**0.0496**	**0.0496**	**0.0000**	**957.6770**	**957.6770**	**0.0344**	**0.0000**	**958.5357**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1115	0.4830	6.0905	0.0108		0.0149	0.0149		0.0149	0.0149	0.0000	957.6759	957.6759	0.0344	0.0000	958.5346
Total	**0.1115**	**0.4830**	**6.0905**	**0.0108**		**0.0149**	**0.0149**		**0.0149**	**0.0149**	**0.0000**	**957.6759**	**957.6759**	**0.0344**	**0.0000**	**958.5346**

3.39 Plot 12 (2033) Building-Electrical - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2541	1.4306	2.9391	4.5100e-003		0.0228	0.0228		0.0228	0.0228	0.0000	371.8412	371.8412	0.0205	0.0000	372.3528
Total	**0.2541**	**1.4306**	**2.9391**	**4.5100e-003**		**0.0228**	**0.0228**		**0.0228**	**0.0228**	**0.0000**	**371.8412**	**371.8412**	**0.0205**	**0.0000**	**372.3528**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0572	0.6438	2.7370	4.5100e-003		6.6500e-003	6.6500e-003		6.6500e-003	6.6500e-003	0.0000	371.8408	371.8408	0.0205	0.0000	372.3523
Total	**0.0572**	**0.6438**	**2.7370**	**4.5100e-003**		**6.6500e-003**	**6.6500e-003**		**6.6500e-003**	**6.6500e-003**	**0.0000**	**371.8408**	**371.8408**	**0.0205**	**0.0000**	**372.3523**

3.40 Plot 12 (2033) Building-Landscaping - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1884	0.8754	2.2527	3.7100e-003		0.0235	0.0235		0.0235	0.0235	0.0000	311.1778	311.1778	0.0151	0.0000	311.5552
Total	**0.1884**	**0.8754**	**2.2527**	**3.7100e-003**		**0.0235**	**0.0235**		**0.0235**	**0.0235**	**0.0000**	**311.1778**	**311.1778**	**0.0151**	**0.0000**	**311.5552**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0914	0.8088	2.3302	3.7100e-003		0.0124	0.0124		0.0124	0.0124	0.0000	311.1774	311.1774	0.0151	0.0000	311.5549
Total	**0.0914**	**0.8088**	**2.3302**	**3.7100e-003**		**0.0124**	**0.0124**		**0.0124**	**0.0124**	**0.0000**	**311.1774**	**311.1774**	**0.0151**	**0.0000**	**311.5549**

3.41 Plot 12 (2033) Landscaping - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.2010	0.9121	2.4446	4.0500e-003		0.0251	0.0251		0.0251	0.0251	0.0000	340.7885	340.7885	0.0161	0.0000	341.1906
Total	**0.2010**	**0.9121**	**2.4446**	**4.0500e-003**		**0.0251**	**0.0251**		**0.0251**	**0.0251**	**0.0000**	**340.7885**	**340.7885**	**0.0161**	**0.0000**	**341.1906**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0948	0.8237	2.5427	4.0500e-003		0.0129	0.0129		0.0129	0.0129	0.0000	340.7881	340.7881	0.0161	0.0000	341.1902
Total	**0.0948**	**0.8237**	**2.5427**	**4.0500e-003**		**0.0129**	**0.0129**		**0.0129**	**0.0129**	**0.0000**	**340.7881**	**340.7881**	**0.0161**	**0.0000**	**341.1902**

3.42 Plot 12 (2033) Temporary Utilities - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0821	0.2578	0.4032	1.8500e-003		8.5100e-003	8.5100e-003		8.5100e-003	8.5100e-003	0.0000	190.6814	190.6814	6.7100e-003	0.0000	190.8491
Total	**0.0821**	**0.2578**	**0.4032**	**1.8500e-003**		**8.5100e-003**	**8.5100e-003**		**8.5100e-003**	**8.5100e-003**	**0.0000**	**190.6814**	**190.6814**	**6.7100e-003**	**0.0000**	**190.8491**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0222	0.0962	0.8137	1.8500e-003		2.9600e-003	2.9600e-003		2.9600e-003	2.9600e-003	0.0000	190.6811	190.6811	6.7100e-003	0.0000	190.8489
Total	**0.0222**	**0.0962**	**0.8137**	**1.8500e-003**		**2.9600e-003**	**2.9600e-003**		**2.9600e-003**	**2.9600e-003**	**0.0000**	**190.6811**	**190.6811**	**6.7100e-003**	**0.0000**	**190.8489**

3.43 Plot 12 (2033) Curbing/Drive Approaches - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1062	0.5658	1.1914	2.0400e-003		0.0246	0.0246		0.0246	0.0246	0.0000	174.3867	174.3867	8.5900e-003	0.0000	174.6016
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2681**	**0.5658**	**1.1914**	**2.0400e-003**		**0.0246**	**0.0246**		**0.0246**	**0.0246**	**0.0000**	**174.3867**	**174.3867**	**8.5900e-003**	**0.0000**	**174.6016**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0264	0.2494	1.2505	2.0400e-003		3.3700e-003	3.3700e-003		3.3700e-003	3.3700e-003	0.0000	174.3865	174.3865	8.5900e-003	0.0000	174.6014
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	**0.1883**	**0.2494**	**1.2505**	**2.0400e-003**		**3.3700e-003**	**3.3700e-003**		**3.3700e-003**	**3.3700e-003**	**0.0000**	**174.3865**	**174.3865**	**8.5900e-003**	**0.0000**	**174.6014**

3.44 Plot 12 (2033) Paving - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3111	1.4863	2.7952	6.3100e-003		0.0554	0.0554		0.0554	0.0554	0.0000	583.1998	583.1998	0.0251	0.0000	583.8280
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.4731**	**1.4863**	**2.7952**	**6.3100e-003**		**0.0554**	**0.0554**		**0.0554**	**0.0554**	**0.0000**	**583.1998**	**583.1998**	**0.0251**	**0.0000**	**583.8280**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0673	0.2916	3.4020	6.3100e-003		8.9700e-003	8.9700e-003		8.9700e-003	8.9700e-003	0.0000	583.1991	583.1991	0.0251	0.0000	583.8273
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2292**	**0.2916**	**3.4020**	**6.3100e-003**		**8.9700e-003**	**8.9700e-003**		**8.9700e-003**	**8.9700e-003**	**0.0000**	**583.1991**	**583.1991**	**0.0251**	**0.0000**	**583.8273**

3.45 Plots 12 and 21,22 (2034) Finish Grading - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Fugitive Dust					1.0735	0.0000	1.0735	0.5482	0.0000	0.5482	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0968	0.4973	1.0230	1.7300e-003		0.0216	0.0216		0.0216	0.0216	0.0000	148.9546	148.9546	7.7200e-003	0.0000	149.1475
Total	**0.0968**	**0.4973**	**1.0230**	**1.7300e-003**	**1.0735**	**0.0216**	**1.0951**	**0.5482**	**0.0216**	**0.5698**	**0.0000**	**148.9546**	**148.9546**	**7.7200e-003**	**0.0000**	**149.1475**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4187	0.0000	0.4187	0.2138	0.0000	0.2138	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0173	0.0751	1.0690	1.7300e-003		2.3100e-003	2.3100e-003		2.3100e-003	2.3100e-003	0.0000	148.9544	148.9544	7.7200e-003	0.0000	149.1474
Total	**0.0173**	**0.0751**	**1.0690**	**1.7300e-003**	**0.4187**	**2.3100e-003**	**0.4210**	**0.2138**	**2.3100e-003**	**0.2161**	**0.0000**	**148.9544**	**148.9544**	**7.7200e-003**	**0.0000**	**149.1474**

3.46 Plots 12 and 21,22 (2034) Utilities - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0333	3.2268	7.6177	0.0244		0.0864	0.0864		0.0864	0.0864	0.0000	2,337.7136	2,337.7136	0.0833	0.0000	2,339.7967
Total	**1.0333**	**3.2268**	**7.6177**	**0.0244**		**0.0864**	**0.0864**		**0.0864**	**0.0864**	**0.0000**	**2,337.7136**	**2,337.7136**	**0.0833**	**0.0000**	**2,339.7967**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2860	1.6353	11.4334	0.0244		0.0372	0.0372		0.0372	0.0372	0.0000	2,337.7108	2,337.7108	0.0833	0.0000	2,339.7939
Total	**0.2860**	**1.6353**	**11.4334**	**0.0244**		**0.0372**	**0.0372**		**0.0372**	**0.0372**	**0.0000**	**2,337.7108**	**2,337.7108**	**0.0833**	**0.0000**	**2,339.7939**

3.47 Plots 12 and 21,22 (2034) Building-Concrete - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1472	0.9582	2.1033	3.5300e-003		0.0196	0.0196		0.0196	0.0196	0.0000	302.2532	302.2532	0.0118	0.0000	302.5476
Total	**0.1472**	**0.9582**	**2.1033**	**3.5300e-003**		**0.0196**	**0.0196**		**0.0196**	**0.0196**	**0.0000**	**302.2532**	**302.2532**	**0.0118**	**0.0000**	**302.5476**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0395	0.1805	2.1675	3.5300e-003		5.8000e-003	5.8000e-003		5.8000e-003	5.8000e-003	0.0000	302.2529	302.2529	0.0118	0.0000	302.5473

Total	**0.0395**	**0.1805**	**2.1675**	**3.5300e-003**		**5.8000e-003**	**5.8000e-003**		**5.8000e-003**	**5.8000e-003**	**0.0000**	**302.2529**	**302.2529**	**0.0118**	**0.0000**	**302.5473**

3.48 Plots 12 and 21,22 (2034) Building-Wet Utilities - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4310	1.6475	5.2229	0.0108		0.0496	0.0496		0.0496	0.0496	0.0000	957.6770	957.6770	0.0344	0.0000	958.5357
Total	**0.4310**	**1.6475**	**5.2229**	**0.0108**		**0.0496**	**0.0496**		**0.0496**	**0.0496**	**0.0000**	**957.6770**	**957.6770**	**0.0344**	**0.0000**	**958.5357**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1115	0.4830	6.0905	0.0108		0.0149	0.0149		0.0149	0.0149	0.0000	957.6759	957.6759	0.0344	0.0000	958.5346
Total	**0.1115**	**0.4830**	**6.0905**	**0.0108**		**0.0149**	**0.0149**		**0.0149**	**0.0149**	**0.0000**	**957.6759**	**957.6759**	**0.0344**	**0.0000**	**958.5346**

3.49 Plots 12 and 21,22 (2034) Building-Electrical - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2541	1.4306	2.9391	4.5100e-003		0.0228	0.0228		0.0228	0.0228	0.0000	371.8412	371.8412	0.0205	0.0000	372.3528
Total	**0.2541**	**1.4306**	**2.9391**	**4.5100e-003**		**0.0228**	**0.0228**		**0.0228**	**0.0228**	**0.0000**	**371.8412**	**371.8412**	**0.0205**	**0.0000**	**372.3528**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0572	0.6438	2.7370	4.5100e-003		6.6500e-003	6.6500e-003		6.6500e-003	6.6500e-003	0.0000	371.8408	371.8408	0.0205	0.0000	372.3523
Total	**0.0572**	**0.6438**	**2.7370**	**4.5100e-003**		**6.6500e-003**	**6.6500e-003**		**6.6500e-003**	**6.6500e-003**	**0.0000**	**371.8408**	**371.8408**	**0.0205**	**0.0000**	**372.3523**

3.50 Plots 12 and 21,22 (2034) Building-Landscaping - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1884	0.8754	2.2527	3.7100e-003		0.0235	0.0235		0.0235	0.0235	0.0000	311.1778	311.1778	0.0151	0.0000	311.5552
Total	**0.1884**	**0.8754**	**2.2527**	**3.7100e-003**		**0.0235**	**0.0235**		**0.0235**	**0.0235**	**0.0000**	**311.1778**	**311.1778**	**0.0151**	**0.0000**	**311.5552**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0914	0.8088	2.3302	3.7100e-003		0.0124	0.0124		0.0124	0.0124	0.0000	311.1774	311.1774	0.0151	0.0000	311.5549
Total	**0.0914**	**0.8088**	**2.3302**	**3.7100e-003**		**0.0124**	**0.0124**		**0.0124**	**0.0124**	**0.0000**	**311.1774**	**311.1774**	**0.0151**	**0.0000**	**311.5549**

3.51 Plots 12 and 21,22 (2034) Landscaping - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2010	0.9121	2.4446	4.0500e-003		0.0251	0.0251		0.0251	0.0251	0.0000	340.7885	340.7885	0.0161	0.0000	341.1906
Total	**0.2010**	**0.9121**	**2.4446**	**4.0500e-003**		**0.0251**	**0.0251**		**0.0251**	**0.0251**	**0.0000**	**340.7885**	**340.7885**	**0.0161**	**0.0000**	**341.1906**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.0948	0.8237	2.5427	4.0500e-003		0.0129	0.0129		0.0129	0.0129	0.0000	340.7881	340.7881	0.0161	0.0000	341.1902
Total	**0.0948**	**0.8237**	**2.5427**	**4.0500e-003**		**0.0129**	**0.0129**		**0.0129**	**0.0129**	**0.0000**	**340.7881**	**340.7881**	**0.0161**	**0.0000**	**341.1902**

3.52 Plots 12 and 21,22 (2034) Temporary Utilities - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0821	0.2578	0.4032	1.8500e-003		8.5100e-003	8.5100e-003		8.5100e-003	8.5100e-003	0.0000	190.6814	190.6814	6.7100e-003	0.0000	190.8491
Total	**0.0821**	**0.2578**	**0.4032**	**1.8500e-003**		**8.5100e-003**	**8.5100e-003**		**8.5100e-003**	**8.5100e-003**	**0.0000**	**190.6814**	**190.6814**	**6.7100e-003**	**0.0000**	**190.8491**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0222	0.0962	0.8137	1.8500e-003		2.9600e-003	2.9600e-003		2.9600e-003	2.9600e-003	0.0000	190.6811	190.6811	6.7100e-003	0.0000	190.8489
Total	**0.0222**	**0.0962**	**0.8137**	**1.8500e-003**		**2.9600e-003**	**2.9600e-003**		**2.9600e-003**	**2.9600e-003**	**0.0000**	**190.6811**	**190.6811**	**6.7100e-003**	**0.0000**	**190.8489**

3.53 Plots 12 and 21,22 (2034) Curbing/Drive Approaches -

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8600e-003	0.0180	0.0150	3.0000e-005		7.0000e-004	7.0000e-004		7.0000e-004	7.0000e-004	0.0000	2.2341	2.2341	2.3000e-004	0.0000	2.2399
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1648**	**0.0180**	**0.0150**	**3.0000e-005**		**7.0000e-004**	**7.0000e-004**		**7.0000e-004**	**7.0000e-004**	**0.0000**	**2.2341**	**2.2341**	**2.3000e-004**	**0.0000**	**2.2399**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8600e-003	0.0180	0.0150	3.0000e-005		7.0000e-004	7.0000e-004		7.0000e-004	7.0000e-004	0.0000	2.2341	2.2341	2.3000e-004	0.0000	2.2399
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1648**	**0.0180**	**0.0150**	**3.0000e-005**		**7.0000e-004**	**7.0000e-004**		**7.0000e-004**	**7.0000e-004**	**0.0000**	**2.2341**	**2.2341**	**2.3000e-004**	**0.0000**	**2.2399**

3.54 Plots 12 and 21,22 (2034) Paving - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3111	1.4863	2.7952	6.3100e-003		0.0554	0.0554		0.0554	0.0554	0.0000	583.1998	583.1998	0.0251	0.0000	583.8280
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	**0.4731**	**1.4863**	**2.7952**	**6.3100e-003**		**0.0554**	**0.0554**		**0.0554**	**0.0554**	**0.0000**	**583.1998**	**583.1998**	**0.0251**	**0.0000**	**583.8280**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0673	0.2916	3.4020	6.3100e-003		8.9700e-003	8.9700e-003		8.9700e-003	8.9700e-003	0.0000	583.1991	583.1991	0.0251	0.0000	583.8273
Paving	0.1619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2292**	**0.2916**	**3.4020**	**6.3100e-003**		**8.9700e-003**	**8.9700e-003**		**8.9700e-003**	**8.9700e-003**	**0.0000**	**583.1991**	**583.1991**	**0.0251**	**0.0000**	**583.8273**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Total					

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	31,129.4424	31,129.4424	1.2852	0.2659	31,240.8089
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	31,129.4424	31,129.4424	1.2852	0.2659	31,240.8089
NaturalGas Mitigated	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	4,398.1384	4,398.1384	0.0843	0.0806	4,424.2743
NaturalGas Unmitigated	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	4,398.1384	4,398.1384	0.0843	0.0806	4,424.2743

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	8.2418e+007	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	4,398.1384	4,398.1384	0.0843	0.0806	4,424.2743
Total		**0.4444**	**4.0401**	**3.3937**	**0.0242**		**0.3071**	**0.3071**		**0.3071**	**0.3071**	**0.0000**	**4,398.1384**	**4,398.1384**	**0.0843**	**0.0806**	**4,424.2743**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	8.2418e+007	0.4444	4.0401	3.3937	0.0242		0.3071	0.3071		0.3071	0.3071	0.0000	4,398.1384	4,398.1384	0.0843	0.0806	4,424.2743
Total		**0.4444**	**4.0401**	**3.3937**	**0.0242**		**0.3071**	**0.3071**		**0.3071**	**0.3071**	**0.0000**	**4,398.1384**	**4,398.1384**	**0.0843**	**0.0806**	**4,424.2743**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	1.88441e+006	600.4120	0.0248	5.1300e-003	602.5600
Unrefrigerated Warehouse-No	9.5816e+007	30,529.0304	1.2604	0.2608	30,638.2489
Total		**31,129.4424**	**1.2852**	**0.2659**	**31,240.8089**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	1.88441e+006	600.4120	0.0248	5.1300e-003	602.5600
Unrefrigerated Warehouse-No	9.5816e+007	30,529.0304	1.2604	0.2608	30,638.2489

Total		**31,129.4424**	**1.2852**	**0.2659**	**31,240.8089**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	165.9964	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758
Unmitigated	165.9964	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	18.8930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	147.0561					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0473	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758
Total	**165.9963**	**4.6400e-003**	**0.5164**	**4.0000e-005**		**1.8300e-003**	**1.8300e-003**		**1.8300e-003**	**1.8300e-003**	**0.0000**	**1.0107**	**1.0107**	**2.6000e-003**	**0.0000**	**1.0758**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	18.8930					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	147.0561					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0473	4.6400e-003	0.5164	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0107	1.0107	2.6000e-003	0.0000	1.0758
Total	**165.9963**	**4.6400e-003**	**0.5164**	**4.0000e-005**		**1.8300e-003**	**1.8300e-003**		**1.8300e-003**	**1.8300e-003**	**0.0000**	**1.0107**	**1.0107**	**2.6000e-003**	**0.0000**	**1.0758**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	41,930.3775	307.5407	7.5564	51,870.7141
Unmitigated	41,930.3775	307.5407	7.5564	51,870.7141

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No [illegible]	9388.75 / 0	41,930.3775	307.5407	7.5564	51,870.7141
Total		**41,930.3775**	**307.5407**	**7.5564**	**51,870.7141**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No [illegible]	9388.75 / 0	41,930.3775	307.5407	7.5564	51,870.7141
Total		**41,930.3775**	**307.5407**	**7.5564**	**51,870.7141**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	7,746.9471	457.8315	0.0000	19,192.7336

Unmitigated	7,746.9471	457.8315	0.0000	19,192.7336

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	38164	7,746.9471	457.8315	0.0000	19,192.7336
Total		**7,746.9471**	**457.8315**	**0.0000**	**19,192.7336**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	38164	7,746.9471	457.8315	0.0000	19,192.7336
Total		**7,746.9471**	**457.8315**	**0.0000**	**19,192.7336**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

A.6 24-Hour Concrete Pour Air Quality Emissions

World Logistics Center 24 HR Concrete Pour

Regional Emissions Unmitigated

Summer	Onsite Emissions										Onsite Mobile Emissions									
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Source	lb/day										lb/day									
3.2 Plots 2 and 4 (2020) Building Concrete - 2020	17.81	154.30	164.17	0.27	0.00	8.65	8.65	0.00	8.23	8.23	0.21	0.77	0.81	0.00	11.59	0.00	11.59	1.16	0.00	1.16
3.3 Plot 4 (2021) Building-Concrete - 2021	16.56	142.80	163.45	0.27	0.00	7.57	7.57	0.00	7.21	7.21	0.19	0.74	0.80	0.00	11.61	0.00	11.62	1.16	0.00	1.16
3.4 Plots 4 and 9 (2022) Building-Concrete - 2022	15.32	130.21	162.47	0.27	0.00	6.53	6.53	0.00	6.23	6.23	0.18	0.70	0.78	0.00	11.64	0.00	11.64	1.16	0.00	1.16
3.5 Plot 9 (2023) Building-Concrete - 2023	14.53	122.17	162.13	0.27	0.00	5.77	5.77	0.00	5.52	5.52	0.16	0.64	0.79	0.00	11.64	0.00	11.64	1.16	0.00	1.16
3.6 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	13.97	116.31	162.28	0.27	0.00	5.20	5.20	0.00	4.98	4.98	0.15	0.63	0.78	0.00	11.59	0.00	11.59	1.16	0.00	1.16
3.7 Plots 5 and 10 (2025) Building-Concrete - 2025	13.21	109.07	161.94	0.27	0.00	4.49	4.49	0.00	4.31	4.31	0.15	0.63	0.77	0.00	11.61	0.00	11.61	1.16	0.00	1.16
3.8 Plots 10 and 8 (2026) Building-Concrete - 2026	13.21	109.07	161.94	0.27	0.00	4.49	4.49	0.00	4.31	4.31	0.14	0.62	0.76	0.00	11.61	0.00	11.61	1.16	0.00	1.16
3.9 Plot 8 (2027) Building-Concrete - 2027	13.21	109.07	161.94	0.27	0.00	4.49	4.49	0.00	4.31	4.31	0.13	0.62	0.75	0.00	11.61	0.00	11.61	1.16	0.00	1.16
3.10 Plots 11 and 6,7 (2028) Building-Concrete - 2028	13.21	109.07	161.94	0.27	0.00	4.49	4.49	0.00	4.31	4.31	0.13	0.62	0.74	0.00	11.64	0.00	11.64	1.16	0.00	1.16
3.11 Plot 11 (2029) Building-Concrete - 2029	13.21	109.07	161.94	0.27	0.00	4.49	4.49	0.00	4.31	4.31	0.12	0.61	0.73	0.00	11.61	0.00	11.61	1.16	0.00	1.16
3.12 Plot 11 (2030) Building-Concrete - 2030	13.87	86.49	166.66	0.30	0.00	2.31	2.31	0.00	2.31	2.31	0.12	0.61	0.72	0.00	11.61	0.00	11.61	1.16	0.00	1.16
3.13 Plot 11 (2031) Building-Concrete - 2031	13.87	86.49	166.66	0.30	0.00	2.31	2.31	0.00	2.31	2.31	0.11	0.60	0.72	0.00	11.61	0.00	11.61	1.16	0.00	1.16
3.14 Plots 11 and 12 (2032) Building-Concrete - 2032	13.87	86.49	166.66	0.30	0.00	2.31	2.31	0.00	2.31	2.31	0.11	0.60	0.71	0.00	11.59	0.00	11.59	1.16	0.00	1.16
3.15 Plot 12 (2033) Building-Concrete - 2033	13.87	86.49	166.66	0.30	0.00	2.31	2.31	0.00	2.31	2.31	0.11	0.60	0.71	0.00	11.64	0.00	11.64	1.16	0.00	1.16
3.16 Plots 12 and 21,22 (2034) Building-Concrete - 2034	13.87	86.49	166.66	0.30	0.00	2.31	2.31	0.00	2.31	2.31	0.10	0.60	0.71	0.00	11.64	0.00	11.64	1.16	0.00	1.16

World Logistics Center 24 HR Concrete Pour

Regional Emissions Unmitigated

Summer	Offsite Mobile Emissions									
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Source	lb/day									
3.2 Plots 2 and 4 (2020) Building Concrete - 2020	0.39	7.37	3.03	0.03	1.15	0.11	1.26	0.31	0.10	0.41
3.3 Plot 4 (2021) Building-Concrete - 2021	0.33	6.63	2.75	0.03	1.15	0.09	1.24	0.31	0.09	0.40
3.4 Plots 4 and 9 (2022) Building-Concrete - 2022	0.25	5.68	2.39	0.03	1.15	0.05	1.20	0.31	0.05	0.36
3.5 Plot 9 (2023) Building-Concrete - 2023	0.16	4.28	2.09	0.02	1.15	0.04	1.19	0.31	0.04	0.35
3.6 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	0.14	4.26	2.00	0.02	1.15	0.04	1.18	0.31	0.03	0.35
3.7 Plots 5 and 10 (2025) Building-Concrete - 2025	0.13	4.23	1.93	0.02	1.15	0.04	1.19	0.31	0.03	0.35
3.8 Plots 10 and 8 (2026) Building-Concrete - 2026	0.12	4.17	1.86	0.02	1.15	0.04	1.19	0.31	0.03	0.35
3.9 Plot 8 (2027) Building-Concrete - 2027	0.11	4.11	1.81	0.02	1.15	0.04	1.19	0.31	0.03	0.35
3.10 Plots 11 and 6,7 (2028) Building-Concrete - 2028	0.11	4.08	1.77	0.02	1.15	0.04	1.19	0.31	0.03	0.35
3.11 Plot 11 (2029) Building-Concrete - 2029	0.10	4.01	1.72	0.02	1.15	0.03	1.18	0.31	0.03	0.34
3.12 Plot 11 (2030) Building-Concrete - 2030	0.09	3.96	1.69	0.02	1.15	0.03	1.18	0.31	0.03	0.34
3.13 Plot 11 (2031) Building-Concrete - 2031	0.09	3.93	1.67	0.02	1.15	0.03	1.18	0.31	0.03	0.34
3.14 Plots 11 and 12 (2032) Building-Concrete - 2032	0.08	3.87	1.64	0.02	1.15	0.03	1.18	0.31	0.03	0.34
3.15 Plot 12 (2033) Building-Concrete - 2033	0.08	3.86	1.62	0.02	1.15	0.03	1.19	0.31	0.03	0.34
3.16 Plots 12 and 21,22 (2034) Building-Concrete - 2034	0.08	3.83	1.60	0.02	1.15	0.03	1.18	0.31	0.03	0.34

Regional Emissions	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
3.2 Plots 2 and 4 (2020) Building Concrete - 2020	18.41	162.44	168.00	0.30	12.74	8.76	21.50	1.47	8.34	9.81
3.3 Plot 4 (2021) Building-Concrete - 2021	17.08	150.16	166.99	0.30	12.76	7.66	20.43	1.47	7.30	8.77
3.4 Plots 4 and 9 (2022) Building-Concrete - 2022	15.74	136.60	165.64	0.30	12.79	6.58	19.37	1.47	6.28	7.76
3.5 Plot 9 (2023) Building-Concrete - 2023	14.85	127.09	165.01	0.30	12.79	5.81	18.60	1.47	5.56	7.03
3.6 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024	14.26	121.20	165.06	0.29	12.74	5.24	17.97	1.47	5.01	6.48
3.7 Plots 5 and 10 (2025) Building-Concrete - 2025	13.49	113.93	164.63	0.29	12.76	4.53	17.29	1.47	4.35	5.82
3.8 Plots 10 and 8 (2026) Building-Concrete - 2026	13.48	113.87	164.56	0.29	12.76	4.53	17.29	1.47	4.35	5.82
3.9 Plot 8 (2027) Building-Concrete - 2027	13.46	113.81	164.49	0.29	12.76	4.53	17.29	1.47	4.35	5.82
3.10 Plots 11 and 6,7 (2028) Building-Concrete - 2028	13.45	113.77	164.45	0.29	12.79	4.53	17.32	1.47	4.35	5.82
3.11 Plot 11 (2029) Building-Concrete - 2029	13.44	113.69	164.39	0.29	12.76	4.53	17.29	1.47	4.34	5.81
3.12 Plot 11 (2030) Building-Concrete - 2030	14.08	91.05	169.08	0.32	12.76	2.35	15.11	1.47	2.35	3.82
3.13 Plot 11 (2031) Building-Concrete - 2031	14.07	91.02	169.05	0.32	12.76	2.35	15.11	1.47	2.34	3.81
3.14 Plots 11 and 12 (2032) Building-Concrete - 2032	14.06	90.96	169.01	0.32	12.74	2.35	15.08	1.47	2.34	3.81
3.15 Plot 12 (2033) Building-Concrete - 2033	14.06	90.95	168.99	0.32	12.79	2.35	15.13	1.47	2.34	3.82
3.16 Plots 12 and 21,22 (2034) Building-Concrete - 2034	14.05	90.91	168.97	0.32	12.79	2.35	15.13	1.47	2.34	3.82
2020	18.41	162.44	168.00	0.30	12.74	8.76	21.50	1.47	8.34	9.81
2021	17.08	150.16	166.99	0.30	12.76	7.66	20.43	1.47	7.30	8.77
2022	15.74	136.60	165.64	0.30	12.79	6.58	19.37	1.47	6.28	7.76
2023	14.85	127.09	165.01	0.30	12.79	5.81	18.60	1.47	5.56	7.03
2024	14.26	121.20	165.06	0.29	12.74	5.24	17.97	1.47	5.01	6.48
2025	13.49	113.93	164.63	0.29	12.76	4.53	17.29	1.47	4.35	5.82
2026	13.48	113.87	164.56	0.29	12.76	4.53	17.29	1.47	4.35	5.82
2027	13.46	113.81	164.49	0.29	12.76	4.53	17.29	1.47	4.35	5.82
2028	13.45	113.77	164.45	0.29	12.79	4.53	17.32	1.47	4.35	5.82
2029	13.44	113.69	164.39	0.29	12.76	4.53	17.29	1.47	4.34	5.81
2030	14.08	91.05	169.08	0.32	12.76	2.35	15.11	1.47	2.35	3.82
2031	14.07	91.02	169.05	0.32	12.76	2.35	15.11	1.47	2.34	3.81
2032	14.06	90.96	169.01	0.32	12.74	2.35	15.08	1.47	2.34	3.81
2033	14.06	90.95	168.99	0.32	12.79	2.35	15.13	1.47	2.34	3.82
2034	14.05	90.91	168.97	0.32	12.79	2.35	15.13	1.47	2.34	3.82
Daily Maximum	**18.41**	**162.44**	**169.08**	**0.32**	**12.79**	**8.76**	**21.50**	**1.47**	**8.34**	**9.81**
SCAQMD Regional Significance Thresholds	75.00	100.00	550.00	150.00			150.00			55.00
Exceeds Threshold?	No	Yes	No	No	Yes	Yes	No	Yes	Yes	No

World Logistics Center-24HR Concrete Pour

South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	40,600.00	1000sqft	2,419.90	40,600,000.00	0
Parking Lot	123.60	Acre	123.60	5,384,016.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See Construction Assumptions

Construction Off-road Equipment Mitigation -

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tblConstructionPhase	NumDays	155,000.00	260.00
tblConstructionPhase	NumDays	155,000.00	260.00

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2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	17.8136	154.2980	164.1682	0.2664	0.0000	8.6498	8.6498	0.0000	8.2339	8.2339	0.0000	24,311.9075	24,311.9075	5.0804	0.0000	24,438.9163
2021	16.5555	142.7965	163.4473	0.2665	0.0000	7.5709	7.5709	0.0000	7.2135	7.2135	0.0000	24,316.2273	24,316.2273	5.0423	0.0000	24,442.2843
2022	15.3165	130.2123	162.4741	0.2666	0.0000	6.5268	6.5268	0.0000	6.2323	6.2323	0.0000	24,327.3302	24,327.3302	5.0196	0.0000	24,452.8192
2023	14.5279	122.1695	162.1334	0.2667	0.0000	5.7724	5.7724	0.0000	5.5194	5.5194	0.0000	24,338.3961	24,338.3961	4.9903	0.0000	24,463.1524
2024	13.9669	116.3098	162.2818	0.2668	0.0000	5.1993	5.1993	0.0000	4.9752	4.9752	0.0000	24,344.6330	24,344.6330	4.9725	0.0000	24,468.9463
2025	13.2146	109.0748	161.9412	0.2669	0.0000	4.4929	4.4929	0.0000	4.3101	4.3101	0.0000	24,354.1112	24,354.1112	4.9493	0.0000	24,477.8434
2026	13.2146	109.0748	161.9412	0.2669	0.0000	4.4929	4.4929	0.0000	4.3101	4.3101	0.0000	24,354.1112	24,354.1112	4.9493	0.0000	24,477.8434
2027	13.2146	109.0748	161.9412	0.2669	0.0000	4.4929	4.4929	0.0000	4.3101	4.3101	0.0000	24,354.1112	24,354.1112	4.9493	0.0000	24,477.8434
2028	13.2146	109.0748	161.9412	0.2669	0.0000	4.4929	4.4929	0.0000	4.3101	4.3101	0.0000	24,354.1112	24,354.1112	4.9493	0.0000	24,477.8434
2029	13.2146	109.0748	161.9412	0.2669	0.0000	4.4929	4.4929	0.0000	4.3101	4.3101	0.0000	24,354.1112	24,354.1112	4.9493	0.0000	24,477.8434
2030	13.8705	86.4871	166.6642	0.2971	0.0000	2.3114	2.3114	0.0000	2.3114	2.3114	0.0000	26,923.9939	26,923.9939	1.2270	0.0000	26,954.6695
2031	13.8705	86.4871	166.6642	0.2971	0.0000	2.3114	2.3114	0.0000	2.3114	2.3114	0.0000	26,923.9939	26,923.9939	1.2270	0.0000	26,954.6695
2032	13.8705	86.4871	166.6642	0.2971	0.0000	2.3114	2.3114	0.0000	2.3114	2.3114	0.0000	26,923.9939	26,923.9939	1.2270	0.0000	26,954.6695
2033	13.8705	86.4871	166.6642	0.2971	0.0000	2.3114	2.3114	0.0000	2.3114	2.3114	0.0000	26,923.9939	26,923.9939	1.2270	0.0000	26,954.6695
2034	13.8705	86.4871	166.6642	0.2971	0.0000	2.3114	2.3114	0.0000	2.3114	2.3114	0.0000	26,923.9939	26,923.9939	1.2270	0.0000	26,954.6695
Maximum	**17.8136**	**154.2980**	**166.6642**	**0.2971**	**0.0000**	**8.6498**	**8.6498**	**0.0000**	**8.2339**	**8.2339**	**0.0000**	**26,923.9939**	**26,923.9939**	**5.0804**	**0.0000**	**26,954.6695**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	17.8136	154.2980	164.1682	0.2664	0.0000	8.6498	8.6498	0.0000	8.2339	8.2339	0.0000	24,311.9075	24,311.9075	5.0804	0.0000	24,438.9163
2021	16.5555	142.7965	163.4473	0.2665	0.0000	7.5709	7.5709	0.0000	7.2135	7.2135	0.0000	24,316.2273	24,316.2273	5.0423	0.0000	24,442.2842
2022	15.3165	130.2123	162.4741	0.2666	0.0000	6.5268	6.5268	0.0000	6.2323	6.2323	0.0000	24,327.3302	24,327.3302	5.0196	0.0000	24,452.8191
2023	14.5279	122.1695	162.1334	0.2667	0.0000	5.7724	5.7724	0.0000	5.5194	5.5194	0.0000	24,338.3961	24,338.3961	4.9903	0.0000	24,463.1524
2024	13.9669	116.3098	162.2818	0.2668	0.0000	5.1993	5.1993	0.0000	4.9752	4.9752	0.0000	24,344.6330	24,344.6330	4.9725	0.0000	24,468.9463
2025	13.2146	109.0748	161.9412	0.2669	0.0000	4.4929	4.4929	0.0000	4.3101	4.3101	0.0000	24,354.1112	24,354.1112	4.9493	0.0000	24,477.8434
2026	13.2146	109.0748	161.9412	0.2669	0.0000	4.4929	4.4929	0.0000	4.3101	4.3101	0.0000	24,354.1112	24,354.1112	4.9493	0.0000	24,477.8434
2027	13.2146	109.0748	161.9412	0.2669	0.0000	4.4929	4.4929	0.0000	4.3101	4.3101	0.0000	24,354.1112	24,354.1112	4.9493	0.0000	24,477.8434
2028	13.2146	109.0748	161.9412	0.2669	0.0000	4.4929	4.4929	0.0000	4.3101	4.3101	0.0000	24,354.1112	24,354.1112	4.9493	0.0000	24,477.8434
2029	13.2146	109.0748	161.9412	0.2669	0.0000	4.4929	4.4929	0.0000	4.3101	4.3101	0.0000	24,354.1112	24,354.1112	4.9493	0.0000	24,477.8434
2030	13.8705	86.4871	166.6642	0.2971	0.0000	2.3114	2.3114	0.0000	2.3114	2.3114	0.0000	26,923.9939	26,923.9939	1.2270	0.0000	26,954.6695
2031	13.8705	86.4871	166.6642	0.2971	0.0000	2.3114	2.3114	0.0000	2.3114	2.3114	0.0000	26,923.9939	26,923.9939	1.2270	0.0000	26,954.6695
2032	13.8705	86.4871	166.6642	0.2971	0.0000	2.3114	2.3114	0.0000	2.3114	2.3114	0.0000	26,923.9939	26,923.9939	1.2270	0.0000	26,954.6695
2033	13.8705	86.4871	166.6642	0.2971	0.0000	2.3114	2.3114	0.0000	2.3114	2.3114	0.0000	26,923.9939	26,923.9939	1.2270	0.0000	26,954.6695
2034	13.8705	86.4871	166.6642	0.2971	0.0000	2.3114	2.3114	0.0000	2.3114	2.3114	0.0000	26,923.9939	26,923.9939	1.2270	0.0000	26,954.6695
Maximum	**17.8136**	**154.2980**	**166.6642**	**0.2971**	**0.0000**	**8.6498**	**8.6498**	**0.0000**	**8.2339**	**8.2339**	**0.0000**	**26,923.9939**	**26,923.9939**	**5.0804**	**0.0000**	**26,954.6695**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	909.6882	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Energy	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
Total	**912.1233**	**22.1746**	**22.7268**	**0.1331**		**1.6971**	**1.6971**		**1.6971**	**1.6971**		**26,573.9407**	**26,573.9407**	**0.5321**	**0.4870**	**26,732.3774**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	909.6882	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Energy	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
Total	**912.1233**	**22.1746**	**22.7268**	**0.1331**		**1.6971**	**1.6971**		**1.6971**	**1.6971**		**26,573.9407**	**26,573.9407**	**0.5321**	**0.4870**	**26,732.3774**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Plots 2 and 4 (2020) Building Concrete	Building Construction	1/1/2020	12/31/2020	5	262	11
2	Plot 4 (2021) Building-Concrete	Building Construction	1/1/2021	12/31/2021	5	261	12
3	Plots 4 and 9 (2022) Building-Concrete	Building Construction	1/1/2022	12/31/2022	5	260	13
4	Plot 9 (2023) Building-Concrete	Building Construction	1/1/2023	12/31/2023	5	260	14
5	Plots 9 and 1,3,20 (2024) Building-Concrete	Building Construction	1/1/2024	12/31/2024	5	262	15
6	Plots 5 and 10 (2025) Building-Concrete	Building Construction	1/1/2025	12/31/2025	5	261	16
7	Plots 10 and 8 (2026) Building-Concrete	Building Construction	1/1/2026	12/31/2026	5	261	17
8	Plot 8 (2027) Building-Concrete	Building Construction	1/1/2027	12/31/2027	5	261	18
9	Plots 11 and 6,7 (2028) Building-Concrete	Building Construction	1/1/2028	12/31/2028	5	260	19
10	Plot 11 (2029) Building-Concrete	Building Construction	1/1/2029	12/31/2029	5	261	20
11	Plot 11 (2030) Building-Concrete	Building Construction	1/1/2030	12/31/2030	5	260	21
12	Plot 11 (2031) Building-Concrete	Building Construction	1/1/2031	12/31/2031	5	260	22
13	Plots 11 and 12 (2032) Building-Concrete	Building Construction	1/1/2032	12/31/2032	5	260	23
14	Plot 12 (2033) Building-Concrete	Building Construction	1/1/2033	12/31/2033	5	260	24
15	Plots 12 and 21,22 (2034) Building-Concrete	Building Construction	1/1/2034	12/31/2034	5	260	25

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 123.6

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Plots 2 and 4 (2020) Building Concrete	Cement and Mortar Mixers	24	24.00	9	0.56
Plots 2 and 4 (2020) Building Concrete	Generator Sets	4	12.00	84	0.74
Plots 2 and 4 (2020) Building Concrete	Other Material Handling Equipment	2	24.00	167	0.40
Plots 2 and 4 (2020) Building Concrete	Pumps	2	24.00	84	0.74
Plots 2 and 4 (2020) Building Concrete	Tractors/Loaders/Backhoes	8	24.00	90	0.37
Plots 2 and 4 (2020) Building Concrete	Tractors/Loaders/Backhoes	4	24.00	85	0.37

Plot 4 (2021) Building-Concrete	Cement and Mortar Mixers	24	24.00	9	0.56
Plot 4 (2021) Building-Concrete	Generator Sets	4	12.00	84	0.74
Plot 4 (2021) Building-Concrete	Other Material Handling Equipment	2	24.00	167	0.40
Plot 4 (2021) Building-Concrete	Pumps	2	24.00	84	0.74
Plot 4 (2021) Building-Concrete	Tractors/Loaders/Backhoes	8	24.00	90	0.37
Plot 4 (2021) Building-Concrete	Tractors/Loaders/Backhoes	4	24.00	85	0.37
Plots 4 and 9 (2022) Building-Concrete	Cement and Mortar Mixers	24	24.00	9	0.56
Plots 4 and 9 (2022) Building-Concrete	Generator Sets	4	12.00	84	0.74
Plots 4 and 9 (2022) Building-Concrete	Other Material Handling Equipment	2	24.00	167	0.40
Plots 4 and 9 (2022) Building-Concrete	Pumps	2	24.00	84	0.74
Plots 4 and 9 (2022) Building-Concrete	Tractors/Loaders/Backhoes	8	24.00	90	0.37
Plots 4 and 9 (2022) Building-Concrete	Tractors/Loaders/Backhoes	4	24.00	85	0.37
Plot 9 (2023) Building-Concrete	Cement and Mortar Mixers	24	24.00	9	0.56
Plot 9 (2023) Building-Concrete	Generator Sets	4	12.00	84	0.74
Plot 9 (2023) Building-Concrete	Other Material Handling Equipment	2	24.00	167	0.40
Plot 9 (2023) Building-Concrete	Pumps	2	24.00	84	0.74
Plot 9 (2023) Building-Concrete	Tractors/Loaders/Backhoes	8	24.00	90	0.37
Plot 9 (2023) Building-Concrete	Tractors/Loaders/Backhoes	4	24.00	85	0.37
Plots 9 and 1,3,20 (2024) Building-Concrete	Cement and Mortar Mixers	24	24.00	9	0.56
Plots 9 and 1,3,20 (2024) Building-Concrete	Generator Sets	4	12.00	84	0.74
Plots 9 and 1,3,20 (2024) Building-Concrete	Other Material Handling Equipment	2	24.00	167	0.40
Plots 9 and 1,3,20 (2024) Building-Concrete	Pumps	2	24.00	84	0.74
Plots 9 and 1,3,20 (2024) Building-Concrete	Tractors/Loaders/Backhoes	8	24.00	90	0.37
Plots 9 and 1,3,20 (2024) Building-Concrete	Tractors/Loaders/Backhoes	4	24.00	85	0.37
Plots 5 and 10 (2025) Building-Concrete	Cement and Mortar Mixers	24	24.00	9	0.56
Plots 5 and 10 (2025) Building-Concrete	Generator Sets	4	12.00	84	0.74
Plots 5 and 10 (2025) Building-Concrete	Other Material Handling Equipment	2	24.00	167	0.40
Plots 5 and 10 (2025) Building-Concrete	Pumps	2	24.00	84	0.74
Plots 5 and 10 (2025) Building-Concrete	Tractors/Loaders/Backhoes	8	24.00	90	0.37
Plots 5 and 10 (2025) Building-Concrete	Tractors/Loaders/Backhoes	4	24.00	85	0.37

Plots 10 and 8 (2026) Building-Concrete	Cement and Mortar Mixers	24	24.00	9	0.56
Plots 10 and 8 (2026) Building-Concrete	Generator Sets	4	12.00	84	0.74
Plots 10 and 8 (2026) Building-Concrete	Other Material Handling Equipment	2	24.00	167	0.40
Plots 10 and 8 (2026) Building-Concrete	Pumps	2	24.00	84	0.74
Plots 10 and 8 (2026) Building-Concrete	Tractors/Loaders/Backhoes	8	24.00	90	0.37
Plots 10 and 8 (2026) Building-Concrete	Tractors/Loaders/Backhoes	4	24.00	85	0.37
Plot 8 (2027) Building-Concrete	Cement and Mortar Mixers	24	24.00	9	0.56
Plot 8 (2027) Building-Concrete	Generator Sets	4	12.00	84	0.74
Plot 8 (2027) Building-Concrete	Other Material Handling Equipment	2	24.00	167	0.40
Plot 8 (2027) Building-Concrete	Pumps	2	24.00	84	0.74
Plot 8 (2027) Building-Concrete	Tractors/Loaders/Backhoes	8	24.00	90	0.37
Plot 8 (2027) Building-Concrete	Tractors/Loaders/Backhoes	4	24.00	85	0.37
Plots 11 and 6,7 (2028) Building-Concrete	Cement and Mortar Mixers	24	24.00	9	0.56
Plots 11 and 6,7 (2028) Building-Concrete	Generator Sets	4	12.00	84	0.74
Plots 11 and 6,7 (2028) Building-Concrete	Other Material Handling Equipment	2	24.00	167	0.40
Plots 11 and 6,7 (2028) Building-Concrete	Pumps	2	24.00	84	0.74
Plots 11 and 6,7 (2028) Building-Concrete	Tractors/Loaders/Backhoes	8	24.00	90	0.37
Plots 11 and 6,7 (2028) Building-Concrete	Tractors/Loaders/Backhoes	4	24.00	85	0.37
Plot 11 (2029) Building-Concrete	Cement and Mortar Mixers	24	24.00	9	0.56
Plot 11 (2029) Building-Concrete	Generator Sets	4	12.00	84	0.74
Plot 11 (2029) Building-Concrete	Other Material Handling Equipment	2	24.00	167	0.40
Plot 11 (2029) Building-Concrete	Pumps	2	24.00	84	0.74
Plot 11 (2029) Building-Concrete	Tractors/Loaders/Backhoes	8	24.00	90	0.37
Plot 11 (2029) Building-Concrete	Tractors/Loaders/Backhoes	4	24.00	85	0.37
Plot 11 (2030) Building-Concrete	Cement and Mortar Mixers	24	24.00	9	0.56
Plot 11 (2030) Building-Concrete	Generator Sets	4	12.00	84	0.74
Plot 11 (2030) Building-Concrete	Other Material Handling Equipment	2	24.00	167	0.40
Plot 11 (2030) Building-Concrete	Pumps	2	24.00	84	0.74
Plot 11 (2030) Building-Concrete	Tractors/Loaders/Backhoes	8	24.00	90	0.37
Plot 11 (2030) Building-Concrete	Tractors/Loaders/Backhoes	4	24.00	85	0.37

Plot 11 (2031) Building-Concrete	Cement and Mortar Mixers	24	24.00	9	0.56
Plot 11 (2031) Building-Concrete	Generator Sets	4	12.00	84	0.74
Plot 11 (2031) Building-Concrete	Other Material Handling Equipment	2	24.00	167	0.40
Plot 11 (2031) Building-Concrete	Pumps	2	24.00	84	0.74
Plot 11 (2031) Building-Concrete	Tractors/Loaders/Backhoes	8	24.00	90	0.37
Plot 11 (2031) Building-Concrete	Tractors/Loaders/Backhoes	4	24.00	85	0.37
Plots 11 and 12 (2032) Building-Concrete	Cement and Mortar Mixers	24	24.00	9	0.56
Plots 11 and 12 (2032) Building-Concrete	Generator Sets	4	12.00	84	0.74
Plots 11 and 12 (2032) Building-Concrete	Other Material Handling Equipment	2	24.00	167	0.40
Plots 11 and 12 (2032) Building-Concrete	Pumps	2	24.00	84	0.74
Plots 11 and 12 (2032) Building-Concrete	Tractors/Loaders/Backhoes	8	24.00	90	0.37
Plots 11 and 12 (2032) Building-Concrete	Tractors/Loaders/Backhoes	4	24.00	85	0.37
Plot 12 (2033) Building-Concrete	Cement and Mortar Mixers	24	24.00	9	0.56
Plot 12 (2033) Building-Concrete	Generator Sets	4	12.00	84	0.74
Plot 12 (2033) Building-Concrete	Other Material Handling Equipment	2	24.00	167	0.40
Plot 12 (2033) Building-Concrete	Pumps	2	24.00	84	0.74
Plot 12 (2033) Building-Concrete	Tractors/Loaders/Backhoes	8	24.00	90	0.37
Plot 12 (2033) Building-Concrete	Tractors/Loaders/Backhoes	4	24.00	85	0.37
Plots 12 and 21,22 (2034) Building-Concrete	Cement and Mortar Mixers	24	24.00	9	0.56
Plots 12 and 21,22 (2034) Building-Concrete	Generator Sets	4	12.00	84	0.74
Plots 12 and 21,22 (2034) Building-Concrete	Other Material Handling Equipment	2	24.00	167	0.40
Plots 12 and 21,22 (2034) Building-Concrete	Pumps	2	24.00	84	0.74
Plots 12 and 21,22 (2034) Building-Concrete	Tractors/Loaders/Backhoes	8	24.00	90	0.37
Plots 12 and 21,22 (2034) Building-Concrete	Tractors/Loaders/Backhoes	4	24.00	85	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Plots 2 and 4 (2020) Building Concrete - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	17.8136	154.2980	164.1682	0.2664		8.6498	8.6498		8.2339	8.2339		24,311.9075	24,311.9075	5.0804		24,438.9163
Total	**17.8136**	**154.2980**	**164.1682**	**0.2664**		**8.6498**	**8.6498**		**8.2339**	**8.2339**		**24,311.9075**	**24,311.9075**	**5.0804**		**24,438.9163**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	17.8136	154.2980	164.1682	0.2664		8.6498	8.6498		8.2339	8.2339	0.0000	24,311.9075	24,311.9075	5.0804		24,438.9163
Total	**17.8136**	**154.2980**	**164.1682**	**0.2664**		**8.6498**	**8.6498**		**8.2339**	**8.2339**	**0.0000**	**24,311.9075**	**24,311.9075**	**5.0804**		**24,438.9163**

3.3 Plot 4 (2021) Building-Concrete - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	16.5555	142.7965	163.4473	0.2665		7.5709	7.5709		7.2135	7.2135		24,316.2273	24,316.2273	5.0423		24,442.2843
Total	**16.5555**	**142.7965**	**163.4473**	**0.2665**		**7.5709**	**7.5709**		**7.2135**	**7.2135**		**24,316.2273**	**24,316.2273**	**5.0423**		**24,442.2843**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	16.5555	142.7965	163.4473	0.2665		7.5709	7.5709		7.2135	7.2135	0.0000	24,316.2273	24,316.2273	5.0423		24,442.2842
Total	**16.5555**	**142.7965**	**163.4473**	**0.2665**		**7.5709**	**7.5709**		**7.2135**	**7.2135**	**0.0000**	**24,316.2273**	**24,316.2273**	**5.0423**		**24,442.2842**

3.4 Plots 4 and 9 (2022) Building-Concrete - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	15.3165	130.2123	162.4741	0.2666		6.5268	6.5268		6.2323	6.2323		24,327.3302	24,327.3302	5.0196		24,452.8192
Total	**15.3165**	**130.2123**	**162.4741**	**0.2666**		**6.5268**	**6.5268**		**6.2323**	**6.2323**		**24,327.3302**	**24,327.3302**	**5.0196**		**24,452.8192**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	15.3165	130.2123	162.4741	0.2666		6.5268	6.5268		6.2323	6.2323	0.0000	24,327.3302	24,327.3302	5.0196		24,452.8191
Total	**15.3165**	**130.2123**	**162.4741**	**0.2666**		**6.5268**	**6.5268**		**6.2323**	**6.2323**	**0.0000**	**24,327.3302**	**24,327.3302**	**5.0196**		**24,452.8191**

3.5 Plot 9 (2023) Building-Concrete - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	14.5279	122.1695	162.1334	0.2667		5.7724	5.7724		5.5194	5.5194		24,338.3961	24,338.3961	4.9903		24,463.1524
Total	**14.5279**	**122.1695**	**162.1334**	**0.2667**		**5.7724**	**5.7724**		**5.5194**	**5.5194**		**24,338.3961**	**24,338.3961**	**4.9903**		**24,463.1524**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	14.5279	122.1695	162.1334	0.2667		5.7724	5.7724		5.5194	5.5194	0.0000	24,338.3961	24,338.3961	4.9903		24,463.1524
Total	**14.5279**	**122.1695**	**162.1334**	**0.2667**		**5.7724**	**5.7724**		**5.5194**	**5.5194**	**0.0000**	**24,338.3961**	**24,338.3961**	**4.9903**		**24,463.1524**

3.6 Plots 9 and 1,3,20 (2024) Building-Concrete - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	13.9669	116.3098	162.2818	0.2668		5.1993	5.1993		4.9752	4.9752		24,344.6330	24,344.6330	4.9725		24,468.9463
Total	**13.9669**	**116.3098**	**162.2818**	**0.2668**		**5.1993**	**5.1993**		**4.9752**	**4.9752**		**24,344.6330**	**24,344.6330**	**4.9725**		**24,468.9463**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	13.9669	116.3098	162.2818	0.2668		5.1993	5.1993		4.9752	4.9752	0.0000	24,344.6330	24,344.6330	4.9725		24,468.9463
Total	**13.9669**	**116.3098**	**162.2818**	**0.2668**		**5.1993**	**5.1993**		**4.9752**	**4.9752**	**0.0000**	**24,344.6330**	**24,344.6330**	**4.9725**		**24,468.9463**

3.7 Plots 5 and 10 (2025) Building-Concrete - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	13.2146	109.0748	161.9412	0.2669		4.4929	4.4929		4.3101	4.3101		24,354.1112	24,354.1112	4.9493		24,477.8434
Total	**13.2146**	**109.0748**	**161.9412**	**0.2669**		**4.4929**	**4.4929**		**4.3101**	**4.3101**		**24,354.1112**	**24,354.1112**	**4.9493**		**24,477.8434**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	13.2146	109.0748	161.9412	0.2669		4.4929	4.4929		4.3101	4.3101	0.0000	24,354.1112	24,354.1112	4.9493		24,477.8434
Total	**13.2146**	**109.0748**	**161.9412**	**0.2669**		**4.4929**	**4.4929**		**4.3101**	**4.3101**	**0.0000**	**24,354.1112**	**24,354.1112**	**4.9493**		**24,477.8434**

3.8 Plots 10 and 8 (2026) Building-Concrete - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	13.2146	109.0748	161.9412	0.2669		4.4929	4.4929		4.3101	4.3101		24,354.1112	24,354.1112	4.9493		24,477.8434
Total	**13.2146**	**109.0748**	**161.9412**	**0.2669**		**4.4929**	**4.4929**		**4.3101**	**4.3101**		**24,354.1112**	**24,354.1112**	**4.9493**		**24,477.8434**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	13.2146	109.0748	161.9412	0.2669		4.4929	4.4929		4.3101	4.3101	0.0000	24,354.1112	24,354.1112	4.9493		24,477.8434
Total	**13.2146**	**109.0748**	**161.9412**	**0.2669**		**4.4929**	**4.4929**		**4.3101**	**4.3101**	**0.0000**	**24,354.1112**	**24,354.1112**	**4.9493**		**24,477.8434**

3.9 Plot 8 (2027) Building-Concrete - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	13.2146	109.0748	161.9412	0.2669		4.4929	4.4929		4.3101	4.3101		24,354.1112	24,354.1112	4.9493		24,477.8434
Total	**13.2146**	**109.0748**	**161.9412**	**0.2669**		**4.4929**	**4.4929**		**4.3101**	**4.3101**		**24,354.1112**	**24,354.1112**	**4.9493**		**24,477.8434**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	13.2146	109.0748	161.9412	0.2669		4.4929	4.4929		4.3101	4.3101	0.0000	24,354.11 12	24,354.111 2	4.9493		24,477.84 34
Total	**13.2146**	**109.0748**	**161.9412**	**0.2669**		**4.4929**	**4.4929**		**4.3101**	**4.3101**	**0.0000**	**24,354.11 12**	**24,354.111 2**	**4.9493**		**24,477.84 34**

3.10 Plots 11 and 6,7 (2028) Building-Concrete - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	13.2146	109.0748	161.9412	0.2669		4.4929	4.4929		4.3101	4.3101		24,354.11 12	24,354.111 2	4.9493		24,477.84 34
Total	**13.2146**	**109.0748**	**161.9412**	**0.2669**		**4.4929**	**4.4929**		**4.3101**	**4.3101**		**24,354.11 12**	**24,354.111 2**	**4.9493**		**24,477.84 34**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	13.2146	109.0748	161.9412	0.2669		4.4929	4.4929		4.3101	4.3101	0.0000	24,354.1112	24,354.1112	4.9493		24,477.8434
Total	**13.2146**	**109.0748**	**161.9412**	**0.2669**		**4.4929**	**4.4929**		**4.3101**	**4.3101**	**0.0000**	**24,354.1112**	**24,354.1112**	**4.9493**		**24,477.8434**

3.11 Plot 11 (2029) Building-Concrete - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	13.2146	109.0748	161.9412	0.2669		4.4929	4.4929		4.3101	4.3101		24,354.1112	24,354.1112	4.9493		24,477.8434
Total	**13.2146**	**109.0748**	**161.9412**	**0.2669**		**4.4929**	**4.4929**		**4.3101**	**4.3101**		**24,354.1112**	**24,354.1112**	**4.9493**		**24,477.8434**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	13.2146	109.0748	161.9412	0.2669		4.4929	4.4929		4.3101	4.3101	0.0000	24,354.1112	24,354.1112	4.9493		24,477.8434
Total	**13.2146**	**109.0748**	**161.9412**	**0.2669**		**4.4929**	**4.4929**		**4.3101**	**4.3101**	**0.0000**	**24,354.1112**	**24,354.1112**	**4.9493**		**24,477.8434**

3.12 Plot 11 (2030) Building-Concrete - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	13.8705	86.4871	166.6642	0.2971		2.3114	2.3114		2.3114	2.3114		26,923.9939	26,923.9939	1.2270		26,954.6695
Total	**13.8705**	**86.4871**	**166.6642**	**0.2971**		**2.3114**	**2.3114**		**2.3114**	**2.3114**		**26,923.9939**	**26,923.9939**	**1.2270**		**26,954.6695**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	13.8705	86.4871	166.6642	0.2971		2.3114	2.3114		2.3114	2.3114	0.0000	26,923.9939	26,923.9939	1.2270		26,954.6695
Total	**13.8705**	**86.4871**	**166.6642**	**0.2971**		**2.3114**	**2.3114**		**2.3114**	**2.3114**	**0.0000**	**26,923.9939**	**26,923.9939**	**1.2270**		**26,954.6695**

3.13 Plot 11 (2031) Building-Concrete - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	13.8705	86.4871	166.6642	0.2971		2.3114	2.3114		2.3114	2.3114		26,923.9939	26,923.9939	1.2270		26,954.6695
Total	**13.8705**	**86.4871**	**166.6642**	**0.2971**		**2.3114**	**2.3114**		**2.3114**	**2.3114**		**26,923.9939**	**26,923.9939**	**1.2270**		**26,954.6695**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	13.8705	86.4871	166.6642	0.2971		2.3114	2.3114		2.3114	2.3114	0.0000	26,923.9939	26,923.9939	1.2270		26,954.6695
Total	**13.8705**	**86.4871**	**166.6642**	**0.2971**		**2.3114**	**2.3114**		**2.3114**	**2.3114**	**0.0000**	**26,923.9939**	**26,923.9939**	**1.2270**		**26,954.6695**

3.14 Plots 11 and 12 (2032) Building-Concrete - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	13.8705	86.4871	166.6642	0.2971		2.3114	2.3114		2.3114	2.3114		26,923.9939	26,923.9939	1.2270		26,954.6695
Total	**13.8705**	**86.4871**	**166.6642**	**0.2971**		**2.3114**	**2.3114**		**2.3114**	**2.3114**		**26,923.9939**	**26,923.9939**	**1.2270**		**26,954.6695**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	13.8705	86.4871	166.6642	0.2971		2.3114	2.3114		2.3114	2.3114	0.0000	26,923.9939	26,923.9939	1.2270		26,954.6695
Total	**13.8705**	**86.4871**	**166.6642**	**0.2971**		**2.3114**	**2.3114**		**2.3114**	**2.3114**	**0.0000**	**26,923.9939**	**26,923.9939**	**1.2270**		**26,954.6695**

3.15 Plot 12 (2033) Building-Concrete - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	13.8705	86.4871	166.6642	0.2971		2.3114	2.3114		2.3114	2.3114		26,923.9939	26,923.9939	1.2270		26,954.6695
Total	**13.8705**	**86.4871**	**166.6642**	**0.2971**		**2.3114**	**2.3114**		**2.3114**	**2.3114**		**26,923.9939**	**26,923.9939**	**1.2270**		**26,954.6695**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	13.8705	86.4871	166.6642	0.2971		2.3114	2.3114		2.3114	2.3114	0.0000	26,923.9939	26,923.9939	1.2270		26,954.6695
Total	**13.8705**	**86.4871**	**166.6642**	**0.2971**		**2.3114**	**2.3114**		**2.3114**	**2.3114**	**0.0000**	**26,923.9939**	**26,923.9939**	**1.2270**		**26,954.6695**

3.16 Plots 12 and 21,22 (2034) Building-Concrete - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	13.8705	86.4871	166.6642	0.2971		2.3114	2.3114		2.3114	2.3114		26,923.9939	26,923.9939	1.2270		26,954.6695
Total	**13.8705**	**86.4871**	**166.6642**	**0.2971**		**2.3114**	**2.3114**		**2.3114**	**2.3114**		**26,923.9939**	**26,923.9939**	**1.2270**		**26,954.6695**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	13.8705	86.4871	166.6642	0.2971		2.3114	2.3114		2.3114	2.3114	0.0000	26,923.9939	26,923.9939	1.2270		26,954.6695
Total	**13.8705**	**86.4871**	**166.6642**	**0.2971**		**2.3114**	**2.3114**		**2.3114**	**2.3114**	**0.0000**	**26,923.9939**	**26,923.9939**	**1.2270**		**26,954.6695**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Total					

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

NaturalGas Mitigated	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
NaturalGas Unmitigated	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	225803	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
Total		**2.4351**	**22.1375**	**18.5955**	**0.1328**		**1.6825**	**1.6825**		**1.6825**	**1.6825**		**26,565.0282**	**26,565.0282**	**0.5092**	**0.4870**	**26,722.8909**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No Rail	225.803	2.4351	22.1375	18.5955	0.1328		1.6825	1.6825		1.6825	1.6825		26,565.0282	26,565.0282	0.5092	0.4870	26,722.8909
Total		**2.4351**	**22.1375**	**18.5955**	**0.1328**		**1.6825**	**1.6825**		**1.6825**	**1.6825**		**26,565.0282**	**26,565.0282**	**0.5092**	**0.4870**	**26,722.8909**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	909.6882	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Unmitigated	909.6882	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	103.5231					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	805.7870					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.3780	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Total	**909.6881**	**0.0371**	**4.1313**	**3.1000e-004**		**0.0147**	**0.0147**		**0.0147**	**0.0147**		**8.9125**	**8.9125**	**0.0230**		**9.4865**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	103.5231					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	805.7870					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.3780	0.0371	4.1313	3.1000e-004		0.0147	0.0147		0.0147	0.0147		8.9125	8.9125	0.0230		9.4865
Total	**909.6881**	**0.0371**	**4.1313**	**3.1000e-004**		**0.0147**	**0.0147**		**0.0147**	**0.0147**		**8.9125**	**8.9125**	**0.0230**		**9.4865**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Appendix B
Operational Emissions

ESA

B.1 Operational Summary (2020)

World Logistics Center
Criteria Pollutant Summary

Unmitigated Operational Criteria Pollutant Emissions, lbs/day

Year	VOC	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
2020	0	0	0	0	0	0	0	0	0	0
2021	51	338	111	1	29	6	34	9	6	14
2022	97	608	200	2	57	10	67	17	9	27
2023	138	808	269	3	86	11	97	26	11	37
2024	174	941	315	4	114	11	125	35	11	45
2025	181	138	53	0	0	1	1	0	1	1
2026	221	1033	417	6	161	9	169	48	9	57
2027	238	1109	494	6	185	10	195	56	9	65
2028	255	1184	570	7	210	11	220	63	10	73
2029	272	1255	639	7	234	11	245	71	11	81
2030	289	1323	705	8	258	12	271	78	12	89
2031	305	1388	766	8	283	13	296	85	12	97
2032	321	1451	825	9	307	13	321	92	13	105
2033	337	1511	879	9	331	14	346	100	14	113
2034	353	1568	930	9	356	15	371	107	14	121
2035	481	3745	1470	14	194	69	263	67	66	134

Operational Emissions Summary by Phase, lbs/day

Condition	Phase	Source	VOC	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Unmitigated	Buildout	Mobile	161	3500	1377	14	194	67	260	67	64	131
		Area	311	0	4	0	0	0	0	0	0	0
		Onsite	9	245	89	0	0	2	2	0	2	2
		Total	481	3745	1470	14	194	69	263	67	66	134
		Threshold	55	55	550	-	-	-	150	-	-	55
		Exceeded?	**Yes**	**Yes**	**Yes**	No	No	No	**Yes**	No	No	**Yes**

Operational Emissions
Worst Case - 2020 Net
Net Mobile Source Emissions
Without EV Adjustment

Net Mobile Source Emissions (without EV adjustment)

Condition	Year	Units	ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2	CO2e (metric tons for annual)
Unmitigated	2020	lb/day	161	3,500	1,377	14	67	57	137	260	64	14	53	131	49	188	41	1,482,929	1,430,680
		tons/year	29	639	251	3	12	10	25	48	12	3	10	24	9	34	8	270,635	261,099

Unmitigated

Year	ROG lbs/day	NOX lbs/day	CO lbs/day	SO2	PM10 Exhaust lbs/day	PM10 Dust lbs/day	PM10 Brake lbs/day	PM10 Total lbs/day	PM2.5 Exhaust lbs/day	PM2.5 Dust lbs/day	PM2.5 Brake lbs/day	PM2.5 Total lbs/day	Black Carbon tons/year	N2O tons/year	CH4 tons/year	CO2 tons/year	CO2e, metric tons
2020	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-
2021	14	310	100	1	6	17	11	34	5	4	4	14	1	3	1	22,837	22,089
2022	24	552	179	2	9	34	23	66	9	8	9	26	1	6	2	44,612	42,984
2023	29	725	237	3	11	52	34	96	10	13	13	36	1	9	2	65,361	62,716
2024	29	830	272	4	10	69	45	124	10	17	18	44	1	11	3	84,947	81,169
2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2026	26	884	360	6	7	98	63	168	7	24	24	56	1	14	4	108,929	103,414
2027	29	949	433	6	8	113	72	193	8	28	28	64	1	15	5	119,929	113,746
2028	32	1,013	504	7	9	129	81	219	8	32	32	72	1	16	5	130,833	123,988
2029	34	1,073	570	7	10	144	90	244	9	35	35	80	1	17	5	140,921	133,464
2030	37	1,130	631	8	10	159	99	269	10	39	39	88	1	18	6	150,556	142,515
2031	39	1,185	688	8	11	175	108	294	10	43	42	95	1	19	6	159,757	151,159
2032	41	1,236	743	9	11	190	117	318	11	47	46	103	2	20	7	168,527	159,397
2033	42	1,285	793	9	12	205	126	343	11	50	49	111	2	20	7	176,862	167,226
2034	44	1,332	839	9	12	221	135	368	12	54	53	119	2	21	8	184,755	174,639
2035	161	3,500	1,377	14	67	57	137	260	64	14	53	131	9	34	8	270,635	261,099

Operational Emissions
Worst Case - 2020 Net
Yard Trucks/Hostlers

Yard Trucks/Hostlers

Parameter	Value	Source/Reference
Number of yard trucks per facility	2	Highland Fairview, October 10, 2013
Fuel type	Propane	
Average building/facility area, sq. ft.	1,500,000	
Warehouse area (minus logistics), sq. ft.	40,400,000	
Average number of buildings	26.9	
Yard trucks	54	
Horsepower	199	Port of Los Angeles Inventory of Emissions - 2016. Starcrest Consulting Group. Table 5.1 (average HP of propane yard tractor).
WHP	155	Wheel Horsepower to Crankshaft Horsepower Guestimator (Rear-Wheel Drive). http://www.mk5cortinaestate.co.uk/calculator4.php
Load factor	0.39	CARB's Emission Inventory Development for Cargo Handling Equipment. https://www.arb.ca.gov/regact/2011/cargo11/cargoappb.pdf
Maximum daily operating hours per truck	7	
Annual days of operation	365	

Unmitigated Emission Factors and Emissions

Parameter	THC	NOx	CO	PM	CO2	MTCO2e
Emission factor, g/whp-hr	0.14	3.49	0.07	0.007	864	
Emissions per Facility, lbs/day	0.26	6.50	0.13	0.01	1,608	
Emissions per Facility, tons/year	0.05	1.19	0.02	0.00	294	
Project Buildout Emissions, lbs/day	7.02	175.01	3.51	0.35	43,319	
Project Buildout Emissions, tons/year	1.28	31.94	0.64	0.06	7,906	7,172

Emission factors from California Air Resources Board. 2005. Cargo Handling Equipment Yard Truck Emission Testing. Cummins 2004 5.9L LPG truck (page 1-5 of Appendix 1).

Phase 1 Emissions	NOx	CO	PM
Project Buildout Emissions, lbs/day	98.92799587	1.984229143	0.198423
Project Buildout Emissions, tons/year	18.05435925	0.362121819	0.036212

Mitigated Emission Factors and Emissions (Tier 4 Interim NOx standard or better)

Parameter	NOx
Emission factor (g/hp-hr)	1.29
Emissions (lbs/day) - per facility	3.08
Emissions (tons/year) - per facility	0.56
Emissions (lbs/day) - Project Build Out	83.05
Emissions (tons/year) - Project Build Out	15.16

Note: Emission factors for mitigated Tier 4 Interim (CalEEMod User's Guide, Appendix D, Table 3.5)

Worst Case Year Emissions-Unmitigated	NOx	CO	PM
Project Buildout Emissions, lbs/day	39.65741011	0.795420833	0.079542
Project Buildout Emissions, tons/year	7.237477345	0.145164302	0.014516

Worst Case Year Emissions-Mitigated	NOx	CO	PM
Project Buildout Emissions, lbs/day	18.8195836	0.795420833	0.079542
Project Buildout Emissions, tons/year	3.434574007	0.145164302	0.014516

Notes:
The most common propane fueled yard tractor at the port in 2006 was the Kalmar PT122, year 2004 (http://www.portoflosangeles.org/DOC/REPORT_Air_Emissions_Inventory_Volume2.pdf). According to www.kalmarind-northamerica.com/source.php/1390193/Kalmar%20Logistics%20brochure.pdf, for the Ottawa tractor, there are 3 types of tractors listed: 4x2 off-road terminal tractor, whic has a Tier 3 off-road engine; 4x2 DOT/EPA Terminal Tractor, which is 2010 Clean Idle Certified; 6x4 DOT/EPA Terminal Tractor, which is 2010 Clean Idle certified. According to the Technical Data for Kalmar 4-wheel Drive TR618i RoRo Tractor, it has a Tier 3 off-road engine.

Operational Emissions
Worst Case - 2020 Net
Forklifts

Forklift Assumptions

Parameter	Value	Reference/Source
Quantity of non-diesel forklifts per light logistics planning area	5	Highland Fairview 10/11/13
Number of light logistics planning areas	3	
Quantity of non-diesel forklifts	15	
Average daily operating hours per forklift	4	
Horsepower	93	Cat Lift Trucks, LG Gas Cushion Tire Lift Trucks, Model GC35K, http://www.cat-lift.com/_cat/PDFs/CLT-PDF030/CLT-PDF030.html
Load factor	0.2	
Annual days of operation	365	

Natural Gas-Fueled Forklift Emissions

Parameter	ROG	NOx	CO	SO2	PM10	PM2.5	CO2	Black Carbon	CO2e, MT	Notes
Diesel fueled forklift emission factors, g/bhp-hr	0.459	4.13299	3.75954	0.005	0.308	0.283	471.5285			CalEEMod User's Guide, Appendix D, Table 3.4, Forklifts, year 2020, HP 51-120
Percent reduction in diesel emission factors for compressed natural gas	86%	26%	-710%	100%	81%	79%	-31%			CalEEMod User's Guide, Appendix D, Table 3.6, Min Year 2020, Max Year 2024, HP 51-120 for Forklift
Compressed natural gas emission factors, g/bhp-hr	0.0652	3.0547	30.4372	0.0000	0.0594	0.0593	615.9341			
Forklift emissions, lb/day	0.16	7.50	74.73	0.00	0.15	0.15	1512	0.06	1410	
Forklift emissions, tons/year	0.03	1.37	13.64	0.00	0.03	0.03	276	0.01	257	

Note: Black carbon emissions assumed to be 38% of PM2.5 emissions with a Global Warming Potential of 760.

Operational Emissions
Worst Case - 2020 Net
Diesel-Fueled Emergency Generator Emissions

Diesel-Fueled Emergency Generator Information and Assumptions

Parameter	Value	Reference/Source
Emergency generators per 1.5 million sq. ft.	1	Highland Fairview 7/17/2013
Total project size, million sq. ft.	40.6	Project Description
Quantity of generators	27	
Generator horsepower	314.9	Highland Fairview 7/17/2013 (235 kw)
Testing schedule, hours/year/generator	50	SCAQMD Rule 1470 (c)(2)(C)(i)
Maximum daily hours of use per generator	1	

Number of Diesel-Fueled Emergency Generators Per Phase

Project Phase	Building area, sq. ft.	Percentage of total area	Number of generators
1	22,950,000	56.53%	15
2	17,650,000	43.47%	12

Emissions Rate and Emissions per Diesel-Fueled Generator

Parameter	HC	CO	NOx	PM/PM10	PM2.5	CO2	CH4
Emission rate, Tier III diesel engines, g/hp-hr	0.11	0.6	3.31	0.1	0.0994	568.3	0.017
Annual emissions per generator, g/yr	1,732	9,447	52,116	1,575	1,565	8,947,884	268
Average annual emissions per generator, g/s	5.49E-05	3.00E-04	1.65E-03	4.99E-05	4.96E-05	2.84E-01	8.49E-06

HC, NOX, CO, and PM emission factors from Kohler Power Systems, 200REOZJF, 60 HZ Diesel Industrial Generator Set, Emission Data Sheet. CO2 and CH4 emission factors from CalEEMod Appendix D, Table 3.4, OFFROAD Equipment Emission Factors for Generator Sets, for year 2020, between 251 and 500 horsepower.

PM10 assumed to be equal to PM emission factor. PM2.5 emissions are assumed to be 90% of PM10 emissions (from ARB CEIDARS Database PM Size Profiles)

Emissions from All Diesel-Fueled Emergency Generators, g/s

Project Phase	HC	CO	NOX	PM10	PM2.5
1	8.40E-04	4.58E-03	2.53E-02	7.64E-04	7.59E-04
2	6.46E-04	3.52E-03	1.94E-02	5.87E-04	5.84E-04

Daily Emissions from All Diesel-Fueled Emergency Generators, lb/day

Project Phase	HC	CO	NOX	PM10	PM2.5	Black Carbon
1	1.17	6.36	35.08	1.06	1.05	0.81
2	0.90	4.89	26.98	0.82	0.81	0.62
Total	2.06	11.25	62.07	1.88	1.86	1.44

Note: Black carbon emissions assumed to be 77% of PM2.5 emissions.

Annual Emissions from All Diesel-Fueled Emergency Generators, tons/year

Project Phase	HC	CO	NOX	PM10	PM2.5	Black Carbon	CO2	CH4	Total MTCO2e /year
1	0.03	0.16	0.88	0.03	0.03	0.02	150.91	0.00	151.02
2	0.02	0.12	0.68	0.02	0.02	0.02	116.06	0.00	116.14
Total	0.05	0.28	1.55	0.05	0.05	0.04	266.97	0.01	267.16

Note: GWP of 760 used for Black Carbon, 25 for methane.

Operational Emissions
Worst Case - 2020 Net
Natural Gas-Fueled Emergency Generator Emissions

Natural Gas-Fueled Emergency Generator Information and Assumptions

Parameter	Value	Reference/Source
Emergency generators per 1.5 million sq. ft.	1	Highland Fairview 7/17/2013
Total project size, million sq. ft.	40.6	Project Description
Quantity of generators	27	
Generator kw rating	235	Highland Fairview 7/17/2013 (235 kw)
Testing schedule, hours/year/generator	50	SCAQMD Rule 1470 (c)(2)(C)(i)
Maximum daily hours of use per generator	1	

Number of Natural Gas-Fueled Generators Per Phase

Project Phase	Building area, sq. ft.	Percentage of total area	Number of generators
1	22,950,000	56.53%	15
2	17,650,000	43.47%	12

Emissions Rate and Emissions per Natural Gas-Fueled Generator

Parameter	HC	CO	NOx	PM/PM10	PM2.5	CO2	CH4
Emission rate, g/kW-hr	0.04	2.03	0.03	0	0	898.68	0
Annual emissions per generator, g/yr	470	23,853	353	0	0	10,559,490	0
Average annual emissions per generator, g/s	1.49E-05	7.56E-04	1.12E-05	0.00E+00	0.00E+00	3.35E-01	0.00E+00

Emission factors from Kohler Power Systems, Generator Model 200REZXB, natural gas-fired.

Emissions from All Natural Gas-Fueled Emergency Generators, g/s

Project Phase	HC	CO	NOX	PM10	PM2.5
1	2.28E-04	1.16E-02	1.71E-04	0.00E+00	0.00E+00
2	1.75E-04	8.90E-03	1.32E-04	0.00E+00	0.00E+00

Daily Emissions from All Natural Gas-Fueled Emergency Generators, lb/day

Project Phase	HC	CO	NOX	PM10	PM2.5	Black Carbon
1	0.32	16.06	0.24	-	-	-
2	0.24	12.35	0.18	-	-	-
Total	0.56	28.41	0.42	-	-	-

Note: Black carbon emissions assumed to be 77% of PM2.5 emissions.

Annual Emissions from All Natural Gas-Fueled Emergency Generators, tons/year

Project Phase	HC	CO	NOX	PM10	PM2.5	Black Carbon	CO2	CH4	Total MTCO2e /year
1	0.01	0.40	0.01	-	-	-	178.09	-	161.56
2	0.01	0.31	0.00	-	-	-	136.96	-	124.25
Total	0.01	0.71	0.01	-	-	-	315.05	-	285.82

Note: GWP of 760 used for Black Carbon, 25 for methane.

Operational Emissions
Worst Case - 2020 Net
Propane-Fueled Emergency Generator Emissions

Propane-Fueled Emergency Generator Information and Assumptions

Parameter	Value	Reference/Source
Emergency generators per 1.5 million sq. ft.	1	Highland Fairview 7/17/2013
Total project size, million sq. ft.	40.6	Project Description
Quantity of generators	27	
Generator kw rating	235	Highland Fairview 7/17/2013 (235 kw)
Testing schedule, hours/year/generator	50	SCAQMD Rule 1470 (c)(2)(C)(i)
Maximum daily hours of use per generator	1	

Number of Propane-Fueled Generators Per Phase

Project Phase	Building area, sq. ft.	Percentage of total area	Number of generators
1	22,950,000	56.53%	15
2	17,650,000	43.47%	12

Emissions Rate and Emissions per Propane-Fueled Generator

Parameter	HC	CO	NOx	PM/PM10	PM2.5	CO2	CH4
Emission rate, g/kW-hr	0	0.24	0.03	0	0	591.9	0
Annual emissions per generator, g/yr	0	2,820	353	0	0	6,954,825	0
Average annual emissions per generator, g/s	0.00E+00	8.94E-05	1.12E-05	0.00E+00	0.00E+00	2.21E-01	0.00E+00

Emission factors from Kohler Power Systems, Generator Model 300REZXB, LP fueled.

Emissions from All Propane-Fueled Emergency Generators, g/s

Project Phase	HC	CO	NOX	PM10	PM2.5
1	0.00E+00	1.37E-03	1.71E-04	0.00E+00	0.00E+00
2	0.00E+00	1.05E-03	1.32E-04	0.00E+00	0.00E+00

Daily Emissions from All Propane-Fueled Emergency Generators, lb/day

Project Phase	HC	CO	NOX	PM10	PM2.5	Black Carbon
1	-	1.90	0.24	-	-	-
2	-	1.46	0.18	-	-	-
Total	-	3.36	0.42	-	-	-

Note: Black carbon emissions assumed to be 77% of PM2.5 emissions.

Annual Emissions from All Propane-Fueled Emergency Generators, tons/year

Project Phase	HC	CO	NOX	PM10	PM2.5	Black Carbon	CO2	CH4	Total MTCO2e /year
1	-	0.05	0.01	-	-	-	117.30	-	106.41
2	-	0.04	0.00	-	-	-	90.21	-	81.84
Total	-	0.08	0.01	-	-	-	207.50	-	188.25

Note: GWP of 760 used for Black Carbon, 25 for methane.

World Logistics Center
Operational Emissions
Onsite Equipment Emissions Summary

Onsite Equipment Emissions Summary by Phase, lbs/day

Condition	Phase	Source	VOC	NOX	CO	SO2	PM10	PM2.5
Unmitigated	Phase 1	Yard Trucks	4	99	2	0	0	0
		Generator	1	35	6	0	1.06	1
		Forklifts	0	4	42	0	0	0
		Total	5	138	51	0	1	1
	Buildout	Yard Trucks	7	175	4	0	0	0
		Generator	2	62	11	0	2	2
		Forklifts	0	7	75	0	0	0
		Total	9	245	89	0	2	2

Interpolated Annual Onsite Criteria Pollutant Emissions Based on Buildout, lbs/day

Condition	Year	VOC	NOX	CO	SO2	PM10	PM2.5
Unmitigated	2020	0	0	0	0	0	0
	2021	1	28	10	0	0	0
	2022	2	55	20	0	1	1
	2023	3	83	30	0	1	1
	2024	4	111	41	0	1	1
	2025	5	138	51	0	1	1
	2026	6	149	55	0	1	1
	2027	6	160	59	0	2	2
	2028	6	171	63	0	2	2
	2029	7	182	67	0	2	2
	2030	7	193	71	0	2	2
	2031	8	204	74	0	2	2
	2032	8	214	78	0	2	2
	2033	9	225	82	0	2	2
	2034	9	236	86	0	2	2
	2035	9	245	89	0	2	2
	Buildout	9	245	89	0	2	2

Operational Emissions
Worst Case - 2020 Net
Area Source Emissions

Conceptual Buildout

Year	Total, million sq. ft.	Total, sq. ft.	Percent of total	Occupied Area, sq. ft.	Percent Added During Construction
2020	0	0	0%	0	11.3%
2021	4.6	4,600,000	11%	4,600,000	11.3%
2022	9.2	9,200,000	23%	4,600,000	11.3%
2023	13.8	13,800,000	34%	4,600,000	11.3%
2024	18.4	18,400,000	45%	4,600,000	11.2%
2025	22.9455	22,945,500	57%	4,545,500	4.4%
2026	24.7455	24,745,500	61%	1,800,000	4.4%
2027	26.5455	26,545,500	65%	1,800,000	4.6%
2028	28.3955	28,395,500	70%	1,850,000	4.4%
2029	30.1955	30,195,500	74%	1,800,000	4.4%
2030	31.9955	31,995,500	79%	1,800,000	4.4%
2031	33.7955	33,795,500	83%	1,800,000	4.4%
2032	35.5955	35,595,500	88%	1,800,000	4.4%
2033	37.3955	37,395,500	92%	1,800,000	4.4%
2034	39.1955	39,195,500	97%	1,800,000	3.5%
2035	40.6	40,600,000	100%	1,404,500	0.0%
Buildout	40.6	40,600,000	100%	0	0.0%

Consumer Product and Architectural Coating Emissions

Year	Emission Factor, lb VOC/day/sf	Square Feet	Consumer Product VOC Emissions, lb/day	Architectural Coating VOC Emissions, lb/day
2021	5.10E-06	4,600,000	23	12
2022	5.10E-06	9,200,000	47	23
2023	5.10E-06	13,800,000	70	35
2024	5.10E-06	18,400,000	94	47
2025	5.10E-06	22,945,500	117	58
2026	5.10E-06	24,745,500	126	63
2027	5.10E-06	26,545,500	135	67
2028	5.10E-06	28,395,500	145	72
2029	5.10E-06	30,195,500	154	77
2030	5.10E-06	31,995,500	163	81
2031	5.10E-06	33,795,500	172	86
2032	5.10E-06	35,595,500	182	90
2033	5.10E-06	37,395,500	191	95
2034	5.10E-06	39,195,500	200	100
2035	5.10E-06	40,600,000	207	103
Buildout	5.10E-06	40,600,000	207	103

Note: Architectural coating emissions based on percentage of sq. ft. completed per year.

Landscape Area Emissions

Year	VOC, lb/day	NOX, lb/day	CO, lb/day	SOX, lb/day	PM10, lb/day	PM2.5, lb/day	Black Carbon, lb/day	Black Carbon, tons/year
2021	0.04	0.00	0.47	0.00	0.00	0.00	0.00	0.0001
2022	0.09	0.01	0.93	0.00	0.00	0.00	0.00	0.0002
2023	0.13	0.01	1.40	0.00	0.00	0.00	0.00	0.0003
2024	0.17	0.02	1.87	0.00	0.01	0.01	0.00	0.0005
2025	0.21	0.02	2.33	0.00	0.01	0.01	0.00	0.0006
2026	0.23	0.02	2.51	0.00	0.01	0.01	0.00	0.0006
2027	0.25	0.02	2.69	0.00	0.01	0.01	0.00	0.0007
2028	0.26	0.03	2.88	0.00	0.01	0.01	0.00	0.0007
2029	0.28	0.03	3.06	0.00	0.01	0.01	0.00	0.0008
2030	0.30	0.03	3.25	0.00	0.01	0.01	0.00	0.0008
2031	0.31	0.03	3.43	0.00	0.01	0.01	0.00	0.0008
2032	0.33	0.03	3.61	0.00	0.01	0.01	0.00	0.0009
2033	0.35	0.03	3.79	0.00	0.01	0.01	0.01	0.0009
2034	0.36	0.04	3.98	0.00	0.01	0.01	0.01	0.0010
2035	0.38	0.04	4.12	0.00	0.01	0.01	0.01	0.0010
Buildout	0.38	0.04	4.12	0.00	0.01	0.01	0.01	0.0010

Note: Black carbon is assumed to be 38% of PM2.5 and have a GWP of 760.
Source of Buildout emissions: CalEEMod output.

Summary of Operational Area Emissions

Year	VOC, lb/day	NOX, lb/day	CO, lb/day	SOX, lb/day	PM10, lb/day	PM2.5, lb/day	Black Carbon, lb/day	Black Carbon, tons/year
2021	35.19	0.00	0.47	0.00	0.00	0.00	0.00	0.0001
2022	70.37	0.01	0.93	0.00	0.00	0.00	0.00	0.0002
2023	105.56	0.01	1.40	0.00	0.00	0.00	0.00	0.0003
2024	140.74	0.02	1.87	0.00	0.01	0.01	0.00	0.0005
2025	175.51	0.02	2.33	0.00	0.01	0.01	0.00	0.0006
2026	189.28	0.02	2.51	0.00	0.01	0.01	0.00	0.0006
2027	203.05	0.02	2.69	0.00	0.01	0.01	0.00	0.0007
2028	217.20	0.03	2.88	0.00	0.01	0.01	0.00	0.0007
2029	230.97	0.03	3.06	0.00	0.01	0.01	0.00	0.0008
2030	244.73	0.03	3.25	0.00	0.01	0.01	0.00	0.0008
2031	258.50	0.03	3.43	0.00	0.01	0.01	0.00	0.0008
2032	272.27	0.03	3.61	0.00	0.01	0.01	0.00	0.0009
2033	286.04	0.03	3.79	0.00	0.01	0.01	0.01	0.0009
2034	299.81	0.04	3.98	0.00	0.01	0.01	0.01	0.0010
2035	310.55	0.04	4.12	0.00	0.01	0.01	0.01	0.0010
Buildout	310.55	0.04	4.12	0.00	0.01	0.01	0.01	0.0010

Greenhouse Gas Emissions
Worst Case - 2020 Net
Construction GHG Emissions

Unmitigated Construction GHG Emissions (Table 4.7.E), metric tons CO2e

Year	Construction CO2e (less Black Carbon)	Black Carbon	Construction Refrigerants and Waste	Total
2020	18,739	44	209	18,991
2021	22,172	38	209	22,418
2022	23,351	24	209	23,583
2023	23,506	16	209	23,730
2024	22,109	15	206	22,330
2025	16,404	13	102	16,518
2026	12,419	13	141	12,573
2027	11,686	14	144	11,844
2028	11,993	15	141	12,148
2029	11,445	14	141	11,600
2030	12,305	12	141	12,458
2031	10,604	12	141	10,757
2032	9,986	13	141	10,140
2033	7,445	12	141	7,598
2034	7,422	13	118	7,553
Total	221,584	266	2,393	224,244

Average over 30 years	7,386	9	80	7,475

Note: Black carbon emissions assumed to be 77% of PM2.5 emissions, with GWP of 760.

Unmitigated Construction GHG Emissions, metric tons CO2e

Year	Construction CO2e (less Black Carbon)	Black Carbon	Total
2020	18,739	44	18,782
2021	22,172	38	22,210
2022	23,351	24	23,374
2023	23,506	16	23,521
2024	22,109	15	22,124
2025	16,404	13	16,416
2026	12,419	13	12,432
2027	11,686	14	11,700
2028	11,993	15	12,007
2029	11,445	14	11,459
2030	12,305	12	12,317
2031	10,604	12	10,616
2032	9,986	13	9,999
2033	7,445	12	7,457

2034	7,422	13	7,436
Total	221,584	266	221,851

Average over 30 years	7,386	9	7,395

Note: Black carbon emissions assumed to be 77% of PM2.5 emissions, with GWP of 760.

7395

Construction Emissions
Worst Case - 2020 Net
Refrigeration Fugitive Emissions

Proposed Land Uses Square Footage

Land Use	Phase 1	Phase 2
Total conditioned space	3,780,000	5,940,000

Phase 1 Air Conditioning and Refrigeration Fugitive Emissions

Unit Type	Unit Quantity	Average charge, lbs	Average charge, kg	Annual Leak Rate, percent of capacity	Emissions, kg/year	Emissions, tons/year	Average Global Warming Potential	MTCO2e per year	MTCO2e, averaged over 30 years
Unitary A/C - small	756	100	45	3%	1029	1.13	1500	1543	51

Phase 2 Air Conditioning and Refrigeration Fugitive Emissions

Unit Type	Unit Quantity	Average charge, lbs	Average charge, kg	Annual Leak Rate, percent of capacity	Emissions, kg/year	Emissions, tons/year	Average Global Warming Potential	MTCO2e per year	MTCO2e, averaged over 30 years
Unitary A/C - small	1188	100	45	3%	1617	1.78	1500	2425	81

Methodology: U.S. Environmental Protection Agency, Climate Leaders. May 2008. Direct HFC and PFC Emissions from Use of Refrigeration and Air Conditioning Equipment. EPA430-K-03-004

One unitary A/C for every 5,000 sq. ft. of conditioned space.

Annual leak rate, average charge, and Global Warming Potential from South Coast Air Quality Management District. Draft Environmental Assessment for Proposed Amended Rule 1415 – Reduction of Refrigerant Emissions from Stationary Refrigeration and Air Conditioning Systems and Proposed Rule 1415.1 – Reduction of Refrigerant Emissions from Stationary Refrigeration Systems. November 2010.

Construction Emissions
Worst Case - 2020 Net
Construction Waste Emissions

Construction Waste Information and Assumptions

Parameter	Value
Building size, sq. ft.	1,800,000
Total mixed construction and demolition waste, tons	550.13
Mixed C&D waste diverted (recycled/reused), tons	412.7
Green waste, tons	5.0
Percent of total recycled, %	75.0%

Construction Waste Estimates

		Construction Waste Factors, tons/sq.ft.			Construction Waste, tons				
Source	Project Square Feet	Mixed C&D Waste	Recycled Waste	Green Waste	Mixed C&D Waste	Green Waste	Total Waste	Percent Recycled	Recycled Waste, tons
Construction waste	40,610,000	3.06E-04	2.29E-04	2.78E-06	12,412	113	12,524	51%	6,425

Construction Waste Percentage

	For Project			References	
Waste Type	C&D Waste, %	Waste landfilled, tons	Recycled, tons	Study 1	Study 2
Glass	1%	124	93		0.2%
Corrugated containers	8%	993	745	5.7%	2.0%
Dimensional lumber	17%	2,110	1,583	31.9%	23.3%
Medium-density fiberboard	7%	869	652	7.8%	3.8%
Food waste (non-meat)		0	0		0.9%
Yard trimmings (green waste)		113			2.3%
Grass		0	0		2.7%
Branches		0	0		1.8%
Mixed paper (general)	3%	372	279		3.6%
Mixed paper (primarily residential)		0	0		
Mixed paper (primarily from offices)		0	0		
Mixed metals	13%	1,614	1,211	13.2%	4.9%
Mixed plastics	6%	745	559	4.5%	5.5%
Mixed recyclables		0	0		
Mixed organics		0	0		
Mixed MSW	25%	3,103		26.6%	32.4%
Carpet	2%	248			3.9%
Clay bricks		0	0		
Concrete	10%	1,241	931	10.3%	2.0%
Fly ash		0	0		
Tires		0	0		
Asphalt concrete	2%	248	186		1.5%
Asphalt shingles		0	0		9.2%
Drywall	2%	248	186		
Fiberglass insulation	4%	496			
Vinyl flooring		0	0		
Wood flooring		0	0		
Total	100%	12,524	6,425	100.0%	100.0%

Waste Reduction Model (WARM) Results

Condition	Total CO2e, metric tons	Average CO2e over 30 years, metric tons
Unmitigated	-333	-11
Mitigated	-13,548	-452
Net Reduction	-13,215	-441

Note: The mitigated condition is estimated by WARM by using the recycled tons as shown above.
WARM model run provided in previous EIR appendices (Volume 2), Appendix D.

References for Construction Waste Percentages

Study 1	Tons	Percentage
Wood palettes	1,423	31.9%
Cardboard	256	5.7%
Metals	590	13.2%
Gypsum board	349	7.8%
Plastics	202	4.5%
Concrete	459	10.3%
Mixed	1,183	26.5%
Total	4,462	100.0%

Note: Waste percentages for the proposed project were estimated based on the following studies:
Study 1: California Integrated Waste Management Board. 2003. The Capitol Area East End Office Complex: A Case for Construction and Demolition Waste Diversion. Data from Table 2b. Website: http://www.calrecycle.ca.gov/Publications/Documents/GreenBuilding/43303023.pdf
Study 2: California Environmental Protection Agency. 2009. California 2008 Statewide Waste Characterization Study. Prepared by Cascadia Consulting Group. Data from Table 25: Composition of Commercial Self-Hauled Disposed Waste (includes all sources of self-hauled waste, not just from construction and demolition). Website: http://www.calrecycle.ca.gov/publications/Documents/General/2009023.pdf

Construction Emissions
Worst Case - 2020 Net
Construction Waste Emissions

Construction Waste Information and Assumptions

Parameter	Value
Building size, sq. ft.	1,800,000
Total mixed construction and demolition waste, tons	550.13
Mixed C&D waste diverted (recycled/reused), tons	412.7
Green waste, tons	5.0
Percent of total recycled, %	75.0%

Construction Waste Estimates

		Construction Waste Factors, tons/sq.ft.			Construction Waste, tons				
Source	Project Square Feet	Mixed C&D Waste	Recycled Waste	Green Waste	Mixed C&D Waste	Green Waste	Total Waste	Percent Recycled	Recycled Waste, tons
Construction waste	40,610,000	3.06E-04	2.29E-04	2.78E-06	12,412	113	12,524	51%	6,425

Construction Waste Percentage Results for 51% recycled

	For Project			References	
Waste Type	C&D Waste, %	Waste landfilled, tons	Recycled, tons	Study 1	Study 2
Glass	1%	124	93		0.2%
Corrugated containers	8%	993	745	5.7%	2.0%
Dimensional lumber	17%	2,110	1,583	31.9%	23.3%
Medium-density fiberboard	7%	869	652	7.8%	3.8%
Food waste (non-meat)		0	0		0.9%
Yard trimmings (green waste)		113			2.3%
Grass		0	0		2.7%
Branches		0	0		1.8%
Mixed paper (general)	3%	372	279		3.6%
Mixed paper (primarily residential)		0	0		
Mixed paper (primarily from offices)		0	0		
Mixed metals	13%	1,614	1,211	13.2%	4.9%
Mixed plastics	6%	745	559	4.5%	5.5%
Mixed recyclables		0	0		
Mixed organics		0	0		
Mixed MSW	25%	3,103		26.6%	32.4%
Carpet	2%	248			3.9%
Clay bricks		0	0		
Concrete	10%	1,241	931	10.3%	2.0%
Fly ash		0	0		
Tires		0	0		
Asphalt concrete	2%	248	186		1.5%
Asphalt shingles		0	0		9.2%
Drywall	2%	248	186		
Fiberglass insulation	4%	496			
Vinyl flooring		0	0		
Wood flooring		0	0		
Total	100%	12,524	6,425	100.0%	100.0%

Waste Reduction Model (WARM) Results
inclusive of lifecycle GHG benefits of recycling

Condition	Total CO2e, metric tons	Average CO2e over 30 years, metric tons
Unmitigated	-333	-11
Mitigated	-13,548	-452
Net Reduction	-13,215	-441

Note: The mitigated condition is estimated by WARM by using the recycled tons as shown above.
WARM model run provided in previous EIR appendices (Volume 2), Appendix D.

References for Construction Waste Percentages

Study 1	Tons	Percentage
Wood palettes	1,423	31.9%
Cardboard	256	5.7%
Metals	590	13.2%
Gypsum board	349	7.8%
Plastics	202	4.5%
Concrete	459	10.3%
Mixed	1,183	26.5%
Total	4,462	100.0%

Note: Waste percentages for the proposed project were estimated based on the following studies:

WARM Results - Unmitigated = 50% C&D waste diversion
(with no lifecycle GHG credit for recycling)

Commodity	Tons Recycled	Tons Landfilled	Tons Combusted	Tons Composted	Total $MTCO_2E$
Glass	-	124.0	-	NA	5
Corrugated Container	-	993.0	-	NA	(47)
Dimensional Lumber	-	2,110.0	-	NA	(1,534)
Medium-density Fibe	-	869.0	-	NA	(632)
Yard Trimmings	NA	113.0	-	-	(18)
Mixed Paper (general	-	372.0	-	NA	(25)
Mixed Metals	-	1,614.0	-	NA	63
Mixed Plastics	-	745.0	-	NA	29
Mixed MSW	NA	3,103.0	-	NA	3,052
Carpet	-	248.0	-	NA	10
Concrete	-	1,241.0	NA	NA	48
Asphalt Concrete	-	248.0	NA	NA	10
Drywall	-	248.0	NA	NA	31
Fiberglass Insulation	NA	496.0	NA	NA	19
		12,524.0		51% diversion	1,011
			over 30 years	Unmitigated	34
				75% diversion	506
			over 30 years	Mitigated	17

Study 1: California Integrated Waste Management Board. 2003. The Capitol Area East End Office Complex: A Case for Construction
and Demolition Waste Diversion. Data from Table 2b. Website:
http://www.calrecycle.ca.gov/Publications/Documents/GreenBuilding/43303023.pdf

Study 2: California Environmental Protection Agency. 2009. California 2008 Statewide Waste Characterization Study. Prepared by
Cascadia Consulting Group. Data from Table 25: Composition of Commercial Self-Hauled Disposed Waste (includes all sources of
self-hauled waste, not just from construction and demolition). Website:
http://www.calrecycle.ca.gov/publications/Documents/General/2009023.pdf

Operational Emissions
Worst Case - 2020 Net
Air Conditioning and Refrigeration Fugitive Emissions

Proposed Land Uses Square Footage

Land Use	Phase 1	Phase 2
Total conditioned space	3,780,000	5,940,000

Phase 1: Air Conditioning and Refrigeration Fugitive Emissions

Unit Type	Unit Quantity	Average charge, lbs	Average charge, kg	Annual Leak Rate, percent of capacity	Emissions, kg/year	Emissions, tons/year	Average Global Warming Potential	MTCO2e per year
Unitary A/C - small	756	100	45	5%	1715	1.89	1500	2572

Phase 2: Air Conditioning and Refrigeration Fugitive Emissions

Unit Type	Unit Quantity	Average charge, lbs	Average charge, kg	Annual Leak Rate, percent of capacity	Emissions, kg/year	Emissions, tons/year	Average Global Warming Potential	MTCO2e per year
Unitary A/C - small	1188	100	45	5%	2694	2.97	1500	4042

Methodology: U.S. Environmental Protection Agency, Climate Leaders. May 2008. Direct HFC and PFC Emissions from Use of Refrigeration and Air Conditioning Equipment. EPA430-K-03-004
One unitary A/C for every 5,000 sq. ft. of conditioned space.
Annual leak rate, average charge, and Global Warming Potential from South Coast Air Quality Management District. Draft Environmental Assessment for Proposed Amended Rule 1415 – Reduction of Refrigerant Emissions from Stationary Refrigeration and Air Conditioning Systems and Proposed Rule 1415.1 – Reduction of Refrigerant Emissions from Stationary Refrigeration Systems. November 2010.

Greenhouse Gas Emissions
Worst Case - 2020 Net
Operational Building Energy Use and EV Energy Use

Building Electricity and Natural Gas Use, and EV Use

Condition	Item	Phase 1	Phase 2	Units
Title 24 Baseline	Building annual electricity	194,287	330,649	MWh/yr
	Building annual natural gas	51,274	84,771	MMBTU/yr
	EV annual electricity	7,775	60,116	MWh/yr
	Building annual electricity GHG emissions	32,255	46,494	mtCO2e/yr
	Building annual natural gas GHG Emissions	2,723	4,510	mtCO2e/yr
	EV annual electricity GHG emissions	1,291	8,453	mtCO2e/yr
Proposed Project	Building annual electricity	174,423	298,084	MWh/yr
	Building annual natural gas	0	0	MMBTU/yr
	EV annual electricity	7,775	60,116	MWh/yr
	Building annual electricity GHG emissions	28,957	41,915	mtCO2e/yr
	Building annual natural gas GHG Emissions	0	0	mtCO2e/yr
	EV annual electricity GHG emissions	1,291	8,453	mtCO2e/yr
	Solar PV grid energy offset	7,686	24,083	MWh/yr
	Solar PV GHG offset	-1,276	-3,386	MWh/yr

Unmitigated Building Electricity and Natural Gas Use GHG Emissions (includes onsite EV charging ba

Year	Natural Gas	Percent Added
2020	0	0
2021	0	0.113054187
2022	545	0.113054187
2023	1,089	0.113054187
2024	1,634	0.113054187
2025	2,723	0.113054187
2026	3,080	0.043472906
2027	3,259	0.043472906
2028	3,438	0.043472906
2029	3,617	0.043472906
2030	3,795	0.043472906
2031	3,974	0.043472906
2032	4,153	0.043472906
2033	4,331	0.043472906
2034	4,510	0.043472906
2035	4,689	0.043472906
Buildout	4,510	0

Mitigated Building Electricity and Natural Gas Use GHG Emissions (includes EV charging based on EI

Year	Natural Gas	Percent Added
2020	0	0
2021	0	0.113054187
2022	0	0.113054187
2023	0	0.113054187
2024	0	0.113054187
2025	0	0.113054187
2026	0	0.043472906
2027	0	0.043472906
2028	0	0.043472906
2029	0	0.043472906
2030	0	0.043472906
2031	0	0.043472906
2032	0	0.043472906
2033	0	0.043472906
2034	0	0.043472906
2035	0	0.043472906
Buildout	0	0

World Logistics Center
Greenhouse Gas Emissions **Worst Case - 2020 Net**
Operational Building Energy Use and EV Energy Use

Building Electricity and Natural Gas Use, and EV Use

Condition	Item	Phase 1	Phase 2	Units	
Title 24 Baseline	Building annual electricity	194,287	330,649	MWh/yr	from Table 4.17-4 in Energy section (source WSP, 2018), which is based on table of figures in email sent by Evan Evans on 6/29/18
	Building annual natural gas	51,274	84,771	MMBTU/yr	
	EV annual electricity	7,775	60,116	MWh/yr	from ESA/CALSTART report
	Building annual electricity GH	32,255	46,494	mtCO2e/yr	
	Building annual natural gas G	2,723	4,510	mtCO2e/yr	
	EV annual electricity GHG em	1,291	8,453	mtCO2e/yr	
Proposed Project	Building annual electricity	174,423	298,084	MWh/yr	from Table 4.17-4 in Energy section (source WSP, 2018), which is based on table of figures in email sent by Derek Fehrer on 4/20/18.
	Building annual natural gas	0	0	MMBTU/yr	
	EV annual electricity	7,775	60,116	MWh/yr	from ESA/CALSTART report
	Building annual electricity GH	28,957	41,915	mtCO2e/yr	
	Building annual natural gas G	0	0	mtCO2e/yr	
	EV annual electricity GHG em	1,291	8,453	mtCO2e/yr	
	Solar PV grid energy offset	7,686	24,083	MWh/yr	
	Solar PV GHG offset	-1,276	-3,386	MWh/yr	

Building Electricity and Natural Gas Use, and EV Use

Condition	Item	Phase 1	Phase 2	Units	
Title 24 Baseline	Building annual electricity	202,062	390,765	MWh/yr	from Table 4.17-4 in Energy section (source WSP, 2018), which is based on table of figures in email sent by Evan Evans on 6/29/18
Proposed Project	Building annual electricity	182,198	358,200	MWh/yr	from Table 4.17-4 in Energy section (source WSP, 2018), which is based on table of figures in email sent by Derek Fehrer on 4/20/18.

Mitigated Building Electricity

Year	Electricity (MWh/yr)	Emissions from Electricity (CO2e)	Emissions from Water Conveyance (CO2e)	Total CO2e
2020	0	0	0	0
2021	25,508	5,591	119	5,711
2022	51,015	10,704	239	10,943
2023	85,026	17,043	398	17,441
2024	119,036	22,743	557	23,300
2025	182,198	33,153	853	34,006
2026	217,970	37,679	1,148	38,827
2027	236,857	38,789	1,304	40,093
2028	248,208	38,390	1,398	39,788
2029	259,559	37,784	1,492	39,276
2030	275,756	37,633	1,626	39,258
2031	294,124	37,463	1,778	39,241
2032	312,492	36,960	1,929	38,889
2033	330,860	36,122	2,081	38,203
2034	342,898	34,317	2,181	36,497
2035	354,937	32,292	2,280	34,572
2036	358,200	29,330	2,308	31,639
2037	358,200	26,071	2,308	28,380
2038	358,200	22,812	2,308	25,121
2039	358,200	19,554	2,308	21,862
2040	358,200	16,295	2,308	18,603
2041	358,200	13,036	2,308	15,344
2042	358,200	9,777	2,308	12,085
2043	358,200	6,518	2,308	8,826
2044	358,200	3,259	2,308	5,567
2045	358,200	0	0	0
2046	358,200	0	0	0
2047	358,200	0	0	0
2048	358,200	0	0	0
2049	358,200	0	0	0
2050	308,052	0	0	0
2051	264,925	0	0	0
2052	215,472	0	0	0
2053	175,251	0	0	0
2054	114,497	0	0	0
2055	91,226	0	0	0
2056	81,436	0	0	0
2057	76,184	0	0	0
2058	71,271	0	0	0
2059	64,712	0	0	0
2060	57,958	0	0	0
2061	51,910	0	0	0
2062	46,492	0	0	0
2063	43,312	0	0	0
2064	40,350	0	0	0
2065	39,561	0	0	0
Total	**10,093,854**	**603,313**	**40,159**	**643,472**

Percent Added	Change Per Year by Phase
0.05171	14%
0.05171	14%
0.06895	19%
0.06895	19%
0.12805	35%
0.12805	20%
0.06761	11%
0.04063	6%
0.04063	6%
0.05798	9%
0.06575	10%
0.06575	10%
0.06575	10%
0.04309	7%
0.04309	7%
0.01231	2%
0	0%

Unmitigated Building Electricity

Year	Electricity (MWh/yr)	Emissions from Electricity (CO2e)	Emissions from Water Conveyance (CO2e)	Total CO2e
2020	0	0	0	0
2021	28,289	6,201	133	6,334
2022	56,577	11,871	267	12,138
2023	94,296	18,901	445	19,345
2024	132,014	25,222	623	25,845
2025	202,062	36,767	953	37,720
2026	244,453	42,257	1,283	43,540
2027	266,835	43,698	1,458	45,156
2028	280,286	43,351	1,562	44,913
2029	293,737	42,759	1,667	44,426
2030	312,931	42,706	1,817	44,523
2031	334,697	42,631	1,986	44,618
2032	356,464	42,161	2,156	44,316
2033	378,230	41,294	2,326	43,619
2034	392,496	39,280	2,437	41,717
2035	406,762	37,007	2,548	39,555
2036	390,765	31,997	2,580	34,576
2037	390,765	28,442	2,580	31,021
2038	390,765	24,886	2,580	27,466
2039	390,765	21,331	2,580	23,911
2040	390,765	17,776	2,580	20,356
2041	390,765	14,221	2,580	16,800
2042	390,765	10,666	2,580	13,245
2043	390,765	7,110	2,580	9,690
2044	390,765	3,555	2,580	6,135
2045	390,765	0	0	0
2046	390,765	0	0	0
2047	390,765	0	0	0
2048	390,765	0	0	0
2049	390,765	0	0	0
2050	336,058	0	0	0
2051	289,010	0	0	0
2052	235,061	0	0	0
2053	191,183	0	0	0
2054	124,906	0	0	0
2055	99,519	0	0	0
2056	88,840	0	0	0
2057	83,110	0	0	0
2058	77,750	0	0	0
2059	70,595	0	0	0
2060	63,227	0	0	0
2061	56,629	0	0	0
2062	50,719	0	0	0
2063	47,250	0	0	0
2064	44,018	0	0	0
2065	43,158	0	0	0
Total	**11,151,873**	**676,091**	**44,876**	**720,967**

CO2e Intensity Factor B\ Net Emissions

Utility Provider: **SCE**

Year	RPS Mandate[2,3]	Electricity Emission Factor (MT CO2e/MWh)	Electricity Emission Factor (lbs CO2e/MWh)	lbs/metric ton
Base	0%	0.3412	752.16549	2204.623
2017[1]	32.00%	0.232	511.47254	

Year	RPS Mandate[2,3]	Electricity Emission Factor (MT CO2e/MWh)	Electricity Emission Factor (lbs CO2e/MWh)	Proportion Compared to Year 2024
2020	33.00%	0.2286	503.9509	
2021	35.75%	0.2192	483.2663	
2022	38.50%	0.2098	462.5818	
2023	41.25%	0.2004	441.8972	
2024	44.00%	0.1911	421.2127	1.00
2025	46.67%	0.1820	401.1549	0.95
2026	49.33%	0.1729	381.0972	0.90
2027	52.00%	0.1638	361.0394	0.86
2028	54.67%	0.1547	340.9817	0.81
2029	57.33%	0.1456	320.9239	0.76
2030	60.00%	0.1365	300.8662	0.71
2031	62.7%	0.1274	280.8085	0.67
2032	65.3%	0.1183	260.7507	0.62
2033	68.0%	0.1092	240.6930	0.57
2034	70.7%	0.1001	220.6352	0.52
2035	73.3%	0.0910	200.5775	0.48
2036	76.0%	0.0819	180.5197	0.43
2037	78.7%	0.0728	160.4620	0.38
2038	81.3%	0.0637	140.4042	0.33
2039	84.0%	0.0546	120.3465	0.29
2040	86.7%	0.0455	100.2887	0.24
2041	89.3%	0.0364	80.2310	0.19
2042	92.0%	0.0273	60.1732	0.14
2043	94.7%	0.0182	40.1155	0.10
2044	97.3%	0.0091	20.0577	0.05
2045	100%	0	0	0.00
2046	100%	0	0	0.00
2047	100%	0	0	0.00
2048	100%	0	0	0.00
2049	100%	0	0	0.00
2050	100%	0	0	0.00
2051	100%	0	0	0.00
2052	100%	0	0	0.00
2053	100%	0	0	0.00
2054	100%	0	0	0.00
2055	100%	0	0	0.00
2056	100%	0	0	0.00
2057	100%	0	0	0.00
2058	100%	0	0	0.00
2059	100%	0	0	0.00
2060	100%	0	0	0.00
2061	100%	0	0	0.00
2062	100%	0	0	0.00
2063	100%	0	0	0.00
2064	100%	0	0	0.00
2065	100%	0	0	0.00

[1] Southern California Edison, 2018. ESG/Sustainability Template. Report date: September 27, 2018. Available: https://www.edison.com/content/dam/eix/documents/sustainability/eix-esg-pilot-quantitative-section-sce.pdf. Accessed April 5, 2019.

[2] SCE 2017 Power Content Label https://www.sce.com/sites/default/files/inline-files/2017PCL_0.pdf

[3] SB-100 California Renewables Portfolio Standard Program: Emissions of Greenhouse Gases, https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201720180

Operational Emissions
Worst Case - 2020 Net
Land Use GHG Emissions

Land Use GHG Emissions

Parameter	Value
Initial acres	2,610
Final acres	45
Change in acres	2,565
Carbon sequestration, MTCO2e/acre/year	0.45
GHG emissions, MTCO2e/year	1,154

Note: CalEEMod has a default accumulation for "cropland" of 6.2 tons CO2e/acre/year. However, since the project site is dry farmed and therefore would have less carbon accumulation, Brown and Huggins (2010) was used and values in Table 1 of that article was used and converted (0.90 Mg C ha-1yr-1)

Greenhouse Gas Emissions
Worst Case - 2020 Net
Carbon Sequestration

Estimated Tree Inventory

Project Location	Tree Inventory Calculation Details	Tree Species	Trees
Automobile parking	1 tree/6 stalls x 10,981 stalls	Average	1,830
Building perimeters	Assuming an average of 1,500,000 sq. ft. per building; taking the square root and multiplying by 4 yields the building perimeter (4,900 feet x 27.8 buildings = 136,220 feet); 1 tree per 60 feet	Average	2,270
Redlands Boulevard, Bay Street	Length = 6,642 feet / 40 feet (1 side of road)	Pine	55
		Blue Palo Verde	55
		Sweet Acacia	55
Gilman Springs Road	Length = 12,257 feet / 40 feet (1 side of road)	Afghan Pine	306
60 Freeway	Length = 4,684 feet / 40 feet (1 side only)	Afghan Pine	59
		Date Palm (25' trunk height)	59
Street A	Length = 8,656 / 40 feet x 2 side of street	Chilean Mesquite/Algarrobo	216
		Mexican Fan Palm (30' trunk height	216
Eucalyptus Street	Length = 5,350 feet / 40 feet (1 side of road)	Brisbane Box	45
		Afghan Pine	45
		Date Palm (30' trunk height)	45
Street B	Length = 4,418 feet / 40 feet x 3 (two sides of street and median)	Brisbane Box	331
Streets C, D, E, F, G, H	Length = 38,363 feet / 40 feet x 2 sides of street	Chilean Mesquite/Algarrobo	1,918
Total			**7,506**

Note: For automobile parking, Table 9.11.040C-12 in Moreno Valley Code states that warehouse and distribution uses are required to have 1/1,000 sq. ft. of gross floor area for the first 20,000 sq. ft.; 1/2,000 sq. ft. of gross floor area for the second 20,000 sq. ft.; 1/4,000 sq. ft. of gross floor area for areas in excess of the initial 40,000 sq. ft. Assuming 27.8 buildings each 1,500,000 sq. ft. in size yields 10,981 stalls

Tree Carbon Sequestration Rates (Age of Tree)

		CO2 Sequestration (lb/tree/year)	
Tree Species	Code	5 years	10 years
Afghan pine	PIBR	47.3	161.0
Blue palo verde	CEFL	14.6	53.3
Brisbane box	TRCO	40.1	36.8
Chilean mesquite/algarrobo	PRCH	36.1	100.3
Crape myrtle sp.	LAIN	2.0	3.6
Desert willow	CHLI	4.9	15.1
Sweet acacia	ACFA	17.0	38.0
Sycamore	PLRA	41.7	109.5
Average	--	24.0	55.4

Note: The rate at five years is used in the analysis; 10 years is shown for informational purposes to demonstrate that the trees will increase sequestration rates over time. The codes are from the CUFR Tree Carbon Calculator (2012).

Tree Carbon Sequestration Rates (Height of Tree)

		CO2 Sequestration (lb/tree/year)	
Tree Species	Code	25 feet	30 feet
Date Palm	PHDA4	14.8	15.0
Mexican Fan Palm	WARO	26.9	26.4

Tree Carbon Sequestration Estimates

		CO2 Sequestration	
Tree Species	Trees	lb/tree/year	tons/year
Average	4100	24.0	49
Afghan pine	465	47.3	11
Blue palo verde	55	14.6	0
Sweet acacia	55	17.0	0
Date Palm (25' trunk height)	59	14.8	0
Date Palm (30' trunk height)	45	15.0	0
Chilean mesquite/algarrobo	2135	36.1	39
Mexican fan palm (30' trunk height)	216	26.4	3
Brisbane box	376	40.1	8
Total	7506		111

Greenhouse Gas Emissions - Net
Worst Case - 2020 Net

Unmitigated Greenhouse Gas Emissions by Year, metric tons of CO2e

	Capped										Uncapped						
Year	Construction	Net Mobile	Yard trucks	Generator	Forklifts	Electricity	Water	Natural gas	Solar	Subtotal	Construction Refrigerants and Waste	Waste	Refrigerants	Land use change	Sequestration	Subtotal	Total
2020	18,782	0	0	0	0	0	0	0	0	18,782	209	0	0	0	0	209	18,991
2021	22,210	22,089	813	30	29	6,201	133	0	0	51,505	209	2,175	291	131	-13	2,793	54,298
2022	23,374	42,984	1,625	61	58	11,871	267	545	0	80,785	209	4,349	583	262	-25	5,377	86,162
2023	23,521	62,716	2,438	91	87	18,901	445	1,089	0	109,288	209	6,524	874	392	-38	7,961	117,249
2024	22,124	81,169	3,250	121	117	25,222	623	1,634	0	134,260	206	8,698	1,166	523	-50	10,543	144,803
2025	16,416	0	4,053	151	145	36,767	953	2,723	0	61,209	102	10,847	1,454	652	-63	12,992	74,202
2026	12,432	103,414	4,371	163	157	42,257	1,283	3,080	0	167,157	141	11,698	1,568	704	-68	14,043	181,200
2027	11,700	113,746	4,689	175	168	43,698	1,458	3,259	0	178,893	144	12,549	1,682	755	-72	15,057	193,949
2028	12,007	123,988	5,016	187	180	43,351	1,562	3,438	0	189,729	141	13,423	1,799	807	-77	16,093	205,822
2029	11,459	133,464	5,334	199	191	42,759	1,667	3,617	0	198,690	141	14,274	1,913	858	-82	17,104	215,794
2030	12,317	142,515	5,652	211	203	42,706	1,817	3,795	0	209,215	141	15,125	2,027	910	-87	18,116	227,331
2031	10,616	151,159	5,970	222	214	42,631	1,986	3,974	0	216,773	141	15,976	2,141	961	-92	19,127	235,900
2032	9,999	159,397	6,288	234	226	42,161	2,156	4,153	0	224,613	141	16,827	2,255	1,012	-97	20,138	244,751
2033	7,457	167,226	6,606	246	237	41,294	2,326	4,331	0	229,723	141	17,678	2,369	1,063	-102	21,149	250,872
2034	7,436	174,639	6,924	258	248	39,280	2,437	4,510	0	235,732	118	18,529	2,483	1,114	-107	22,137	257,869
2035	0	261,099	7,172	267	257	37,007	2,548	4,689	0	313,039	166	19,193	2,572	1,154	-111	22,974	336,014
Buildout																	

Mitigated Greenhouse Gas Emissions by Year, metric tons of CO2e

	Capped										Uncapped						
Year	Construction	Net Mobile	Yard trucks	Generator	Forklifts	Electricity	Water	Natural gas	Solar	Subtotal	Construction Refrigerants and Waste	Waste	Refrigerants	Land use change	Sequestration	Subtotal	Total
2020	18,782	0	0	0	0	0	0	0	0	18,782	192	0	0	0	0	192	18,974
2021	22,210	20,982	813	32	29	5,591	119	0	-179	49,598	192	544	291	131	-13	1,145	50,743
2022	23,374	41,248	1,625	65	58	10,704	239	0	-357	76,956	192	1,087	583	262	-25	2,098	79,055
2023	23,521	60,829	2,438	97	87	17,043	398	0	-595	103,818	192	1,631	874	392	-38	3,051	106,870
2024	22,124	79,602	3,250	130	117	22,743	557	0	-834	127,689	190	2,175	1,166	523	-50	4,003	131,691
2025	16,416	0	4,053	162	145	33,153	853	0	-1,276	53,506	85	2,712	1,454	652	-63	4,840	58,346
2026	12,432	102,643	4,371	174	157	37,679	1,148	0	-1,705	156,899	124	2,924	1,568	704	-68	5,252	162,152
2027	11,700	112,971	4,689	187	168	38,789	1,304	0	-1,931	167,877	127	3,137	1,682	755	-72	5,628	173,505
2028	12,007	123,218	5,016	200	180	38,390	1,398	0	-2,068	178,342	124	3,356	1,799	807	-77	6,009	184,350
2029	11,459	132,710	5,334	213	191	37,784	1,492	0	-2,204	186,979	124	3,569	1,913	858	-82	6,382	193,361
2030	12,317	141,787	5,652	225	203	37,633	1,626	0	-2,398	197,044	124	3,781	2,027	910	-87	6,755	203,799
2031	10,616	150,466	5,970	238	214	37,463	1,778	0	-2,618	204,127	124	3,994	2,141	961	-92	7,128	211,255
2032	9,999	158,748	6,288	251	226	36,960	1,929	0	-2,838	211,563	124	4,207	2,255	1,012	-97	7,501	219,063
2033	7,457	166,632	6,606	263	237	36,122	2,081	0	-3,059	216,340	124	4,419	2,369	1,063	-102	7,874	224,213
2034	7,436	174,108	6,924	276	248	34,317	2,181	0	-3,203	222,287	101	4,632	2,483	1,114	-107	8,223	230,510
2035	0	0	7,172	286	257	32,292	2,280	0	-3,386	38,901	149	4,798	2,572	1,154	-111	8,563	47,464
Buildout																	

-274,138 0.6804

Reductions from Mitigation, metric tons of CO2e

	Capped										Uncapped						
Year	Construction	Net Mobile	Yard trucks	Generator	Forklifts	Electricity	Water	Natural gas	Solar	Subtotal	Construction Refrigerants and Waste	Waste	Refrigerants	Land use change	Sequestration	Subtotal	Total
2020	0	0	0	0	0	0	0	0	0	0	-17	0	0	0	0	-17	-17
2021	0	-1,107	0	2	0	-610	-14	0	-179	-1,907	-17	-1,631	0	0	0	-1,648	-3,555
2022	0	-1,736	0	4	0	-1,167	-28	-545	-357	-3,828	-17	-3,262	0	0	0	-3,279	-7,107
2023	0	-1,886	0	6	0	-1,858	-47	-1,089	-595	-5,469	-17	-4,893	0	0	0	-4,910	-10,379
2024	0	-1,567	0	8	0	-2,480	-65	-1,634	-834	-6,571	-17	-6,524	0	0	0	-6,540	-13,111
2025	0	0	0	11	0	-3,614	-100	-2,723	-1,276	-7,703	-17	-8,135	0	0	0	-8,152	-15,855
2026	0	-771	0	11	0	-4,578	-135	-3,080	-1,705	-10,258	-17	-8,773	0	0	0	-8,790	-19,048
2027	0	-775	0	12	0	-4,909	-153	-3,259	-1,931	-11,015	-17	-9,412	0	0	0	-9,428	-20,444
2028	0	-770	0	13	0	-4,961	-164	-3,438	-2,068	-11,388	-17	-10,067	0	0	0	-10,084	-21,472
2029	0	-754	0	14	0	-4,975	-175	-3,617	-2,204	-11,710	-17	-10,706	0	0	0	-10,723	-22,433
2030	0	-728	0	15	0	-5,073	-191	-3,795	-2,398	-12,171	-17	-11,344	0	0	0	-11,361	-23,531
2031	0	-693	0	16	0	-5,168	-209	-3,974	-2,618	-12,646	-17	-11,982	0	0	0	-11,999	-24,645
2032	0	-648	0	16	0	-5,201	-227	-4,153	-2,838	-13,050	-17	-12,620	0	0	0	-12,637	-25,687
2033	0	-594	0	17	0	-5,172	-244	-4,331	-3,059	-13,383	-17	-13,258	0	0	0	-13,275	-26,658
2034	0	-531	0	18	0	-4,964	-256	-4,510	-3,203	-13,445	-17	-13,897	0	0	0	-13,913	-27,359
2035	0	-261,099	0	19	0	-4,715	-268	-4,689	-3,386	-274,138	-17	-14,395	0	0	0	-14,411	-288,550
Buildout																	

Unmitigated Greenhouse Gas Emissions for Buildout

	Greenhouse Gas, tons per year					Total, metric
Source	CO2	CH4	N2O	HFCs	BC	tons CO2e
Net Mobile	270,635	7.54	34.24	0.00	8.93	261,099
Yard trucks	7,906	0.00	0.00	0.00	0.00	7,172
Generator	267	0.01	0.00	0.00	0.04	267
Forklifts	276	0.00	0.00	0.00	0.01	257
Electricity	40,645	41.98	106.46	-	-	37,007
Water	2,664	5.43	0.15	-	-	2,548
Natural gas	4,942	2.37	26.99	-	0.00	4,689
Construction Refrigerants and Waste	115	0.00	0.00	0.06	0.00	166
Waste	8,540	504.67	0.00	-	-	19,193
Refrigerants	0	0.00	0.00	1.89	0.00	2,572
Land use change	1,272	0.00	0.00	0.00	0.00	1,154
Sequestration	-122	0.00	0.00	0.00	0.00	-111
Total	337,138	562.00	167.84	1.95	8.98	336,013
Non-mobile emissions	66,504	554.46	133.60	1.95	0.05	74,914
Subtotal, capped	327,334	57.32	167.84	0.00	8.98	313,039
Subtotal, uncapped	9,804	504.67	0.00	1.95	0.00	22,974

B.2 Operational Summary (Net)

World Logistics Center
Criteria Pollutant Summary

Unmitigated Operational Criteria Pollutant Emissions, lbs/day

Year	VOC	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
2020	0	0	0	0	0	0	0	0	0	0
2021	51	338	111	1	29	6	34	9	6	14
2022	97	608	200	2	57	10	67	17	9	27
2023	138	808	269	3	86	11	97	26	11	37
2024	174	941	315	4	114	11	125	35	11	45
2025	205	988	330	5	129	9	138	40	9	48
2026	221	1033	417	6	161	9	169	48	9	57
2027	238	1109	494	6	185	10	195	56	9	65
2028	255	1184	570	7	210	11	220	63	10	73
2029	272	1255	639	7	234	11	245	71	11	81
2030	289	1323	705	8	258	12	271	78	12	89
2031	305	1388	766	8	283	13	296	85	12	97
2032	321	1451	825	9	307	13	321	92	13	105
2033	337	1511	879	9	331	14	346	100	14	113
2034	353	1568	930	9	356	15	371	107	14	121
2035	364	1606	961	10	375	15	390	113	15	127

Unmitigated Operational and Construction Criteria Pollutant Emissions, lbs/day

Year	VOC	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
2020	318	989	697	2	127	42	168	27	38	66
2021	382	1462	940	3	154	53	207	35	49	83
2022	428	1710	1063	4	211	54	266	54	50	105
2023	464	1817	1124	5	256	52	308	66	48	114
2024	485	1751	1083	6	265	43	309	66	40	106
2025	489	1517	904	7	252	29	282	67	27	94
2026	490	1438	816	7	252	24	276	67	23	90
2027	505	1489	869	7	225	25	250	66	23	89
2028	526	1607	967	8	382	26	408	88	25	112
2029	539	1645	1016	8	348	26	374	89	25	113
2030	560	1529	1027	9	372	18	391	96	18	114
2031	568	1551	1057	9	391	17	408	100	17	117
2032	581	1602	1090	9	410	18	428	107	17	124
2033	587	1621	1104	10	412	17	429	111	16	127
2034	603	1679	1149	10	455	17	473	120	17	137
2035	364	1606	961	10	375	15	390	113	15	127

Mitigated Operational Criteria Pollutant Emissions, lbs/day

Year	VOC	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
2020	0	0	0	0	0	0	0	0	0	0
2021	43	197	89	1	29	2	30	9	2	10
2022	85	383	169	2	57	3	60	17	3	20
2023	126	557	239	3	86	5	90	26	4	30
2024	166	721	299	4	114	6	120	35	6	40
2025	204	856	340	5	129	8	136	40	7	47
2026	220	896	427	6	161	8	168	48	7	56
2027	237	966	505	6	185	8	193	56	8	64
2028	255	1035	582	7	210	9	219	63	9	72
2029	271	1100	652	7	234	10	244	71	9	80
2030	288	1163	718	8	258	10	269	78	10	88
2031	304	1224	781	8	283	11	294	85	11	96
2032	320	1283	840	9	307	12	319	92	11	104
2033	336	1340	895	9	331	12	344	100	12	112
2034	352	1395	946	9	356	13	369	107	12	119
2035	363	1432	978	10	375	13	388	113	13	125

Mitigated Operational and Construction Criteria Pollutant Emissions, lbs/day

Year	VOC	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
2020	158	148	786	2	127	4	130	27	4	31
2021	205	369	1029	3	154	6	160	35	6	40
2022	250	574	1161	4	211	8	220	54	8	62
2023	289	729	1233	5	256	9	264	66	8	74
2024	327	885	1236	6	265	10	275	66	10	75
2025	358	982	1047	7	252	10	263	67	10	77
2026	369	983	919	7	252	10	261	67	9	76
2027	384	1036	959	7	225	10	235	66	10	76
2028	404	1138	1054	8	382	11	393	88	11	98
2029	419	1187	1101	8	348	12	360	89	11	100
2030	435	1245	1146	9	372	12	385	96	12	108
2031	450	1301	1154	9	391	12	403	100	12	112
2032	465	1355	1186	9	410	13	423	107	12	119
2033	479	1401	1164	10	412	13	426	111	13	123
2034	494	1459	1208	10	455	14	469	120	13	133
2035	363	1432	978	10	375	13	388	113	13	125

Operational Emissions Summary by Phase, lbs/day

Condition	Phase	Source	VOC	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Unmitigated	Phase 1	Mobile	24	849	277	5	129	13	141	40	7	47
		Area	203	0	3	0	0	0	0	0	0	0
		Onsite	5	138	51	0	0	1	1	0	1	1
		Total	232	988	331	5	129	14	143	40	9	48
	Buildout	Mobile	45	1361	867	10	375	13	388	113	12	125
		Area	311	0	4	0	0	0	0	0	0	0
		Onsite	9	245	89	0	0	2	2	0	2	2
		Total	364	1606	961	10	375	15	390	113	15	127
		Threshold	55	55	550	-	-	-	150	-	-	55
		Exceeded?	**Yes**	**Yes**	**Yes**	No	No	No	**Yes**	No	No	**Yes**
Mitigated	Phase 1	Mobile	24	804	277	5	129	7	136	40	7	47
		Area	203	0	3	0	0	0	0	0	0	0
		Onsite	5	59	70	0	0	0	0	0	0	0
		Total	232	864	350	5	129	8	136	40	7	47
	Buildout	Mobile	45	1341	867	10	375	13	387	113	12	125
		Area	311	0	4	0	0	0	0	0	0	0
		Onsite	8	91	107	0	0	0	0	0	0	0
		Total	363	1432	978	10	375	13	388	113	13	125
		Threshold	55	55	550	-	-	-	150	-	-	55
		Exceeded?	**Yes**	**Yes**	**Yes**	No	No	No	**Yes**	No	No	**Yes**

Operational Emissions
Net Emissions
Net Mobile Source Emissions
Without EV Adjustment

Net Mobile Source Emissions (without EV adjustment)

Condition	Year	Units	ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2	CO2e (metric tons for annual)
Unmitigated	2025	lb/day	24	849	277	5	8	73	56	136	7	18	22	47	6	76	20	559,164	532,037
		tons/year	4	155	51	1	1	13	10	25	1	3	4	9	1	14	4	102,047	97,097
Unmitigated	2035	lb/day	45	1,361	867	10	13	232	142	388	12	57	56	125	9	118	44	1,039,878	982,768
		tons/year	8	248	158	2	2	42	26	71	2	10	10	23	2	22	8	189,778	179,355
Mitigated	2025	lb/day	24	804	277	5	7	73	56	136	7	18	22	47	5	75	20	554,708	527,716
		tons/year	4	147	51	1	1	13	10	25	1	3	4	9	1	14	4	101,234	96,308
Mitigated	2035	lb/day	45	1,341	867	10	13	232	142	387	12	57	56	125	9	118	44	1,036,667	979,717
		tons/year	8	245	158	2	2	42	26	71	2	10	10	23	2	22	8	189,192	178,798

Unmitigated

Year	ROG lbs/day	NOX lbs/day	CO lbs/day	SO2	PM10 Exhaust lbs/day	PM10 Dust lbs/day	PM10 Brake lbs/day	PM10 Total lbs/day	PM2.5 Exhaust lbs/day	PM2.5 Dust lbs/day	PM2.5 Brake lbs/day	PM2.5 Total lbs/day	Black Carbon tons/year	N2O tons/year	CH4 tons/year	CO2 tons/year	CO2e, metric tons
2020	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-
2021	14	310	100	1	6	17	11	34	5	4	4	14	1	3	1	22,837	22,089
2022	24	552	179	2	9	34	23	66	9	8	9	26	1	6	2	44,612	42,984
2023	29	725	237	3	11	52	34	96	10	13	13	36	1	9	2	65,361	62,716
2024	29	830	272	4	10	69	45	124	10	17	18	44	1	11	3	84,947	81,169
2025	24	849	277	5	8	73	56	136	7	18	22	47	1	14	4	102,047	97,097
2026	26	884	360	6	7	98	63	168	7	24	24	56	1	14	4	108,929	103,414
2027	29	949	433	6	8	113	72	193	8	28	28	64	1	15	5	119,929	113,746
2028	32	1,013	504	7	9	129	81	219	8	32	32	72	1	16	5	130,833	123,988
2029	34	1,073	570	7	10	144	90	244	9	35	35	80	1	17	5	140,921	133,464
2030	37	1,130	631	8	10	159	99	269	10	39	39	88	1	18	6	150,556	142,515
2031	39	1,185	688	8	11	175	108	294	10	43	42	95	1	19	6	159,757	151,159
2032	41	1,236	743	9	11	190	117	318	11	47	46	103	2	20	7	168,527	159,397
2033	42	1,285	793	9	12	205	126	343	11	50	49	111	2	20	7	176,862	167,226
2034	44	1,332	839	9	12	221	135	368	12	54	53	119	2	21	8	184,755	174,639
2035	45	1,361	867	10	13	232	142	388	12	57	56	125	2	22	8	189,778	179,355

Mitigated

Year	ROG lbs/day	NOX lbs/day	CO lbs/day	SO2	PM10 Exhaust lbs/day	PM10 Dust lbs/day	PM10 Brake lbs/day	PM10 Total lbs/day	PM2.5 Exhaust lbs/day	PM2.5 Dust lbs/day	PM2.5 Brake lbs/day	PM2.5 Total lbs/day	Black Carbon tons/year	N2O tons/year	CH4 tons/year	CO2 tons/year	CO2e, metric tons
2020	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-
2021	7	187	77	1	2	17	11	30	1	4	4	10	0	3	1	22,066	20,982
2022	13	362	144	2	3	34	23	60	3	8	9	20	0	6	2	43,377	41,248
2023	18	526	202	3	5	52	34	90	4	13	13	30	1	9	2	63,970	60,829
2024	22	679	249	4	6	69	45	120	6	17	18	40	1	11	3	83,702	79,602
2025	24	804	277	5	7	73	56	136	7	18	22	47	1	14	4	101,234	96,308
2026	26	841	360	6	7	98	63	168	7	24	24	55	1	14	4	108,134	102,643
2027	29	906	433	6	8	113	72	193	8	28	28	63	1	15	5	119,130	112,971
2028	32	971	504	7	9	129	81	219	8	32	32	72	1	16	5	130,039	123,218
2029	35	1,032	569	7	9	144	90	244	9	35	35	80	1	17	5	140,142	132,710
2030	37	1,091	631	8	10	159	99	269	10	39	39	87	1	18	6	149,803	141,787
2031	39	1,148	688	8	11	175	108	293	10	43	42	95	1	19	6	159,041	150,466
2032	41	1,203	743	9	11	190	117	318	11	47	46	103	1	20	7	167,856	158,748
2033	43	1,256	793	9	12	205	126	343	11	50	49	111	2	20	7	176,246	166,632
2034	44	1,307	839	9	12	221	135	368	12	54	53	119	2	21	8	184,203	174,108
2035	45	1,341	867	10	13	232	142	387	12	57	56	125	2	22	8	189,192	178,798

Operational Emissions
Net Emissions
Yard Trucks/Hostlers

Yard Trucks/Hostlers

Parameter	Value	Source/Reference
Number of yard trucks per facility	2	Highland Fairview, October 10, 2013
Fuel type	Propane	
Average building/facility area, sq. ft.	1,500,000	
Warehouse area (minus logistics), sq. ft.	40,400,000	
Average number of buildings	26.9	
Yard trucks	54	
Horsepower	199	Port of Los Angeles Inventory of Emissions - 2016. Starcrest Consulting Group. Table 5.1 (average HP of propane yard tractor).
WHP	155	Wheel Horsepower to Crankshaft Horsepower Guestimator (Rear-Wheel Drive). http://www.mk5cortinaestate.co.uk/calculator4.php
Load factor	0.39	CARB's Emission Inventory Development for Cargo Handling Equipment. https://www.arb.ca.gov/regact/2011/cargo11/cargoappb.pdf
Maximum daily operating hours per truck	7	
Annual days of operation	365	

Unmitigated Emission Factors and Emissions

Parameter	THC	NOx	CO	PM	CO2	MTCO2e
Emission factor, g/whp-hr	0.14	3.49	0.07	0.007	864	
Emissions per Facility, lbs/day	0.26	6.50	0.13	0.01	1,608	
Emissions per Facility, tons/year	0.05	1.19	0.02	0.00	294	
Project Buildout Emissions, lbs/day	7.02	175.01	3.51	0.35	43,319	
Project Buildout Emissions, tons/year	1.28	31.94	0.64	0.06	7,906	7,172

Emission factors from California Air Resources Board. 2005. Cargo Handling Equipment Yard Truck Emission Testing. Cummins 2004 5.9L LPG truck (page 1-5 of Appendix 1).

Phase 1 Emissions	NOx	CO	PM
Project Buildout Emissions, lbs/day	98.92799587	1.984229143	0.198423
Project Buildout Emissions, tons/year	18.05435925	0.362121819	0.036212

Operational Emissions
Net Emissions
Forklifts

Forklift Assumptions

Parameter	Value	Reference/Source
Quantity of non-diesel forklifts per light logistics planning area	5	Highland Fairview 10/11/13
Number of light logistics planning areas	3	
Quantity of non-diesel forklifts	15	
Average daily operating hours per forklift	4	
Horsepower	93	Cat Lift Trucks, LG Gas Cushion Tire Lift Trucks, Model GC35K, http://www.cat-lift.com/_cat/PDFs/CLT-PDF030/CLT-PDF030.html
Load factor	0.2	
Annual days of operation	365	

Natural Gas-Fueled Forklift Emissions

Parameter	ROG	NOx	CO	SO2	PM10	PM2.5	CO2	Black Carbon	CO2e, MT	Notes
Diesel fueled forklift emission factors, g/bhp-hr	0.459	4.13299	3.75954	0.005	0.308	0.283	471.5285			CalEEMod User's Guide, Appendix D, Table 3.4, Forklifts, year 2020, HP 51-120
Percent reduction in diesel emission factors for compressed natural gas	86%	26%	-710%	100%	81%	79%	-31%			CalEEMod User's Guide, Appendix D, Table 3.6, Min Year 2020, Max Year 2024, HP 51-120 for Forklift
Compressed natural gas emission factors, g/bhp-hr	0.0652	3.0547	30.4372	0.0000	0.0594	0.0593	615.9341			
Forklift emissions, lb/day	0.16	7.50	74.73	0.00	0.15	0.15	1512	0.06	1410	
Forklift emissions, tons/year	0.03	1.37	13.64	0.00	0.03	0.03	276	0.01	257	

Note: Black carbon emissions assumed to be 38% of PM2.5 emissions with a Global Warming Potential of 760.

Operational Emissions
Net Emissions
Diesel-Fueled Emergency Generator Emissions

Diesel-Fueled Emergency Generator Information and Assumptions

Parameter	Value	Reference/Source
Emergency generators per 1.5 million sq. ft.	1	Highland Fairview 7/17/2013
Total project size, million sq. ft.	40.6	Project Description
Quantity of generators	27	
Generator horsepower	314.9	Highland Fairview 7/17/2013 (235 kw)
Testing schedule, hours/year/generator	50	SCAQMD Rule 1470 (c)(2)(C)(i)
Maximum daily hours of use per generator	1	

Number of Diesel-Fueled Emergency Generators Per Phase

Project Phase	Building area, sq. ft.	Percentage of total area	Number of generators
1	22,950,000	56.53%	15
2	17,650,000	43.47%	12

Emissions Rate and Emissions per Diesel-Fueled Generator

Parameter	HC	CO	NOx	PM/PM10	PM2.5	CO2	CH4
Emission rate, Tier III diesel engines, g/hp-hr	0.11	0.6	3.31	0.1	0.0994	568.3	0.017
Annual emissions per generator, g/yr	1,732	9,447	52,116	1,575	1,565	8,947,884	268
Average annual emissions per generator, g/s	5.49E-05	3.00E-04	1.65E-03	4.99E-05	4.96E-05	2.84E-01	8.49E-06

HC, NOX, CO, and PM emission factors from Kohler Power Systems, 200REOZJF, 60 HZ Diesel Industrial Generator Set, Emission Data Sheet. CO2 and CH4 emission factors from CalEEMod Appendix D, Table 3.4, OFFROAD Equipment Emission Factors for Generator Sets, for year 2020, between 251 and 500 horsepower.

PM10 assumed to be equal to PM emission factor. PM2.5 emissions are assumed to be 90% of PM10 emissions (from ARB CEIDARS Database PM Size Profiles)

Emissions from All Diesel-Fueled Emergency Generators, g/s

Project Phase	HC	CO	NOX	PM10	PM2.5
1	8.40E-04	4.58E-03	2.53E-02	7.64E-04	7.59E-04
2	6.46E-04	3.52E-03	1.94E-02	5.87E-04	5.84E-04

Daily Emissions from All Diesel-Fueled Emergency Generators, lb/day

Project Phase	HC	CO	NOX	PM10	PM2.5	Black Carbon
1	1.17	6.36	35.08	1.06	1.05	0.81
2	0.90	4.89	26.98	0.82	0.81	0.62
Total	2.06	11.25	62.07	1.88	1.86	1.44

Note: Black carbon emissions assumed to be 77% of PM2.5 emissions.

Annual Emissions from All Diesel-Fueled Emergency Generators, tons/year

Project Phase	HC	CO	NOX	PM10	PM2.5	Black Carbon	CO2	CH4	Total MTCO2e /year
1	0.03	0.16	0.88	0.03	0.03	0.02	150.91	0.00	151.02
2	0.02	0.12	0.68	0.02	0.02	0.02	116.06	0.00	116.14
Total	0.05	0.28	1.55	0.05	0.05	0.04	266.97	0.01	267.16

Note: GWP of 760 used for Black Carbon, 25 for methane.

Operational Emissions
Net Emissions
Natural Gas-Fueled Emergency Generator Emissions

Natural Gas-Fueled Emergency Generator Information and Assumptions

Parameter	Value	Reference/Source
Emergency generators per 1.5 million sq. ft.	1	Highland Fairview 7/17/2013
Total project size, million sq. ft.	40.6	Project Description
Quantity of generators	27	
Generator kw rating	235	Highland Fairview 7/17/2013 (235 kw)
Testing schedule, hours/year/generator	50	SCAQMD Rule 1470 (c)(2)(C)(i)
Maximum daily hours of use per generator	1	

Number of Natural Gas-Fueled Generators Per Phase

Project Phase	Building area, sq. ft.	Percentage of total area	Number of generators
1	22,950,000	56.53%	15
2	17,650,000	43.47%	12

Emissions Rate and Emissions per Natural Gas-Fueled Generator

Parameter	HC	CO	NOx	PM/PM10	PM2.5	CO2	CH4
Emission rate, g/kW-hr	0.04	2.03	0.03	0	0	898.68	0
Annual emissions per generator, g/yr	470	23,853	353	0	0	10,559,490	0
Average annual emissions per generator, g/s	1.49E-05	7.56E-04	1.12E-05	0.00E+00	0.00E+00	3.35E-01	0.00E+00

Emission factors from Kohler Power Systems, Generator Model 200REZXB, natural gas-fired.

Emissions from All Natural Gas-Fueled Emergency Generators, g/s

Project Phase	HC	CO	NOX	PM10	PM2.5
1	2.28E-04	1.16E-02	1.71E-04	0.00E+00	0.00E+00
2	1.75E-04	8.90E-03	1.32E-04	0.00E+00	0.00E+00

Daily Emissions from All Natural Gas-Fueled Emergency Generators, lb/day

Project Phase	HC	CO	NOX	PM10	PM2.5	Black Carbon
1	0.32	16.06	0.24	-	-	-
2	0.24	12.35	0.18	-	-	-
Total	0.56	28.41	0.42	-	-	-

Note: Black carbon emissions assumed to be 77% of PM2.5 emissions.

Annual Emissions from All Natural Gas-Fueled Emergency Generators, tons/year

Project Phase	HC	CO	NOX	PM10	PM2.5	Black Carbon	CO2	CH4	Total MTCO2e /year
1	0.01	0.40	0.01	-	-	-	178.09	-	161.56
2	0.01	0.31	0.00	-	-	-	136.96	-	124.25
Total	0.01	0.71	0.01	-	-	-	315.05	-	285.82

Note: GWP of 760 used for Black Carbon, 25 for methane.

Operational Emissions
Net Emissions
Propane-Fueled Emergency Generator Emissions

Propane-Fueled Emergency Generator Information and Assumptions

Parameter	Value	Reference/Source
Emergency generators per 1.5 million sq. ft.	1	Highland Fairview 7/17/2013
Total project size, million sq. ft.	40.6	Project Description
Quantity of generators	27	
Generator kw rating	235	Highland Fairview 7/17/2013 (235 kw)
Testing schedule, hours/year/generator	50	SCAQMD Rule 1470 (c)(2)(C)(i)
Maximum daily hours of use per generator	1	

Number of Propane-Fueled Generators Per Phase

Project Phase	Building area, sq. ft.	Percentage of total area	Number of generators
1	22,950,000	56.53%	15
2	17,650,000	43.47%	12

Emissions Rate and Emissions per Propane-Fueled Generator

Parameter	HC	CO	NOx	PM/PM10	PM2.5	CO2	CH4
Emission rate, g/kW-hr	0	0.24	0.03	0	0	591.9	0
Annual emissions per generator, g/yr	0	2,820	353	0	0	6,954,825	0
Average annual emissions per generator, g/s	0.00E+00	8.94E-05	1.12E-05	0.00E+00	0.00E+00	2.21E-01	0.00E+00

Emission factors from Kohler Power Systems, Generator Model 300REZXB, LP fueled.

Emissions from All Propane-Fueled Emergency Generators, g/s

Project Phase	HC	CO	NOX	PM10	PM2.5
1	0.00E+00	1.37E-03	1.71E-04	0.00E+00	0.00E+00
2	0.00E+00	1.05E-03	1.32E-04	0.00E+00	0.00E+00

Daily Emissions from All Propane-Fueled Emergency Generators, lb/day

Project Phase	HC	CO	NOX	PM10	PM2.5	Black Carbon
1	-	1.90	0.24	-	-	-
2	-	1.46	0.18	-	-	-
Total	-	3.36	0.42	-	-	-

Note: Black carbon emissions assumed to be 77% of PM2.5 emissions.

Annual Emissions from All Propane-Fueled Emergency Generators, tons/year

Project Phase	HC	CO	NOX	PM10	PM2.5	Black Carbon	CO2	CH4	Total MTCO2e /year
1	-	0.05	0.01	-	-	-	117.30	-	106.41
2	-	0.04	0.00	-	-	-	90.21	-	81.84
Total	-	0.08	0.01	-	-	-	207.50	-	188.25

Note: GWP of 760 used for Black Carbon, 25 for methane.

World Logistics Center
Operational Emissions
Onsite Equipment Emissions Summary

Onsite Equipment Emissions Summary by Phase, lbs/day

Condition	Phase	Source	VOC	NOX	CO	SO2	PM10	PM2.5
Unmitigated	Phase 1	Yard Trucks	4	99	2	0	0	0
		Generator	1	35	6	0	1.06	1
		Forklifts	0	4	42	0	0	0
		Total	5	138	51	0	1	1
	Buildout	Yard Trucks	7	175	4	0	0	0
		Generator	2	62	11	0	2	2
		Forklifts	0	7	75	0	0	0
		Total	9	245	89	0	2	2
Mitigated	Phase 1	Yard Trucks	5	54	2	0	0	0
		Generator	0	0	19	0	0	0
		Forklifts	0	5	49	0	0	0
		Total	5	59	70	0	0	0
	Buildout	Yard Trucks	7	83	4	0	0	0
		Generator	1	0	28	0	0	0
		Forklifts	0	7	75	0	0	0
		Total	8	91	107	0	0	0

Interpolated Annual Onsite Criteria Pollutant Emissions Based on Buildout, lbs/day

Condition	Year	VOC	NOX	CO	SO2	PM10	PM2.5
Unmitigated	2020	0	0	0	0	0	0
	2021	1	28	10	0	0	0
	2022	2	55	20	0	1	1
	2023	3	83	30	0	1	1
	2024	4	111	41	0	1	1
	2025	5	138	51	0	1	1
	2026	6	149	55	0	1	1
	2027	6	160	59	0	2	2
	2028	6	171	63	0	2	2
	2029	7	182	67	0	2	2
	2030	7	193	71	0	2	2
	2031	8	204	74	0	2	2
	2032	8	214	78	0	2	2
	2033	9	225	82	0	2	2
	2034	9	236	86	0	2	2
	2035	9	245	89	0	2	2
	Buildout	9	245	89	0	2	2
Mitigated	2020	0	0	0	0	0	0
	2021	1	10	12	0	0	0
	2022	2	21	24	0	0	0
	2023	3	31	36	0	0	0
	2024	4	41	48	0	0	0
	2025	4	51	60	0	0	0
	2026	5	55	65	0	0	0
	2027	5	59	70	0	0	0
	2028	5	64	75	0	0	0
	2029	6	68	79	0	0	0
	2030	6	72	84	0	0	0
	2031	6	76	89	0	0	0
	2032	7	80	94	0	0	0
	2033	7	84	98	0	0	0
	2034	7	88	103	0	0	0
	2035	8	91	107	0	0	0
	Buildout	8	91	107	0	0	0

Operational Emissions
Net Emissions
Area Source Emissions

Conceptual Buildout

Year	Total, million sq. ft.	Total, sq. ft.	Percent of total	Occupied Area, sq. ft.	Percent Added During Construction
2020	0	0	0%	0	11.3%
2021	4.6	4,600,000	11%	4,600,000	11.3%
2022	9.2	9,200,000	23%	4,600,000	11.3%
2023	13.8	13,800,000	34%	4,600,000	11.3%
2024	18.4	18,400,000	45%	4,600,000	11.2%
2025	22.9455	22,945,500	57%	4,545,500	4.4%
2026	24.7455	24,745,500	61%	1,800,000	4.4%
2027	26.5455	26,545,500	65%	1,800,000	4.6%
2028	28.3955	28,395,500	70%	1,850,000	4.4%
2029	30.1955	30,195,500	74%	1,800,000	4.4%
2030	31.9955	31,995,500	79%	1,800,000	4.4%
2031	33.7955	33,795,500	83%	1,800,000	4.4%
2032	35.5955	35,595,500	88%	1,800,000	4.4%
2033	37.3955	37,395,500	92%	1,800,000	4.4%
2034	39.1955	39,195,500	97%	1,800,000	3.5%
2035	40.6	40,600,000	100%	1,404,500	0.0%
Buildout	40.6	40,600,000	100%	0	0.0%

Consumer Product and Architectural Coating Emissions

Year	Emission Factor, lb VOC/day/sf	Square Feet	Consumer Product VOC Emissions, lb/day	Architectural Coating VOC Emissions, lb/day
2021	5.10E-06	4,600,000	23	12
2022	5.10E-06	9,200,000	47	23
2023	5.10E-06	13,800,000	70	35
2024	5.10E-06	18,400,000	94	47
2025	5.10E-06	22,945,500	117	58
2026	5.10E-06	24,745,500	126	63
2027	5.10E-06	26,545,500	135	67
2028	5.10E-06	28,395,500	145	72
2029	5.10E-06	30,195,500	154	77
2030	5.10E-06	31,995,500	163	81
2031	5.10E-06	33,795,500	172	86
2032	5.10E-06	35,595,500	182	90
2033	5.10E-06	37,395,500	191	95
2034	5.10E-06	39,195,500	200	100
2035	5.10E-06	40,600,000	207	103
Buildout	5.10E-06	40,600,000	207	103

Note: Architectural coating emissions based on percentage of sq. ft. completed per year.

Landscape Area Emissions

Year	VOC, lb/day	NOX, lb/day	CO, lb/day	SOX, lb/day	PM10, lb/day	PM2.5, lb/day	Black Carbon, lb/day	Black Carbon, tons/year	Black Carbon CO2e, MT/yr
2021	0.04	0.00	0.47	0.00	0.00	0.00	0.00	0.0001	0
2022	0.09	0.01	0.93	0.00	0.00	0.00	0.00	0.0002	0
2023	0.13	0.01	1.40	0.00	0.00	0.00	0.00	0.0003	0
2024	0.17	0.02	1.87	0.00	0.01	0.01	0.00	0.0005	0
2025	0.21	0.02	2.33	0.00	0.01	0.01	0.00	0.0006	0
2026	0.23	0.02	2.51	0.00	0.01	0.01	0.00	0.0006	0
2027	0.25	0.02	2.69	0.00	0.01	0.01	0.00	0.0007	0
2028	0.26	0.03	2.88	0.00	0.01	0.01	0.00	0.0007	0
2029	0.28	0.03	3.06	0.00	0.01	0.01	0.00	0.0008	1
2030	0.30	0.03	3.25	0.00	0.01	0.01	0.00	0.0008	1
2031	0.31	0.03	3.43	0.00	0.01	0.01	0.00	0.0008	1
2032	0.33	0.03	3.61	0.00	0.01	0.01	0.00	0.0009	1
2033	0.35	0.03	3.79	0.00	0.01	0.01	0.01	0.0009	1
2034	0.36	0.04	3.98	0.00	0.01	0.01	0.01	0.0010	1
2035	0.38	0.04	4.12	0.00	0.01	0.01	0.01	0.0010	1
Buildout	0.38	0.04	4.12	0.00	0.01	0.01	0.01	0.0010	1

Note: Black carbon is assumed to be 38% of PM2.5 and have a GWP of 760.
Source of Buildout emissions: CalEEMod output.

Summary of Operational Area Emissions

Year	VOC, lb/day	NOX, lb/day	CO, lb/day	SOX, lb/day	PM10, lb/day	PM2.5, lb/day	Black Carbon, lb/day	Black Carbon, tons/year	Black Carbon, MTCO2e/yr
2021	35.19	0.00	0.47	0.00	0.00	0.00	0.00	0.0001	0.08
2022	70.37	0.01	0.93	0.00	0.00	0.00	0.00	0.0002	0.16
2023	105.56	0.01	1.40	0.00	0.00	0.00	0.00	0.0003	0.24
2024	140.74	0.02	1.87	0.00	0.01	0.01	0.00	0.0005	0.32
2025	175.51	0.02	2.33	0.00	0.01	0.01	0.00	0.0006	0.39
2026	189.28	0.02	2.51	0.00	0.01	0.01	0.00	0.0006	0.43
2027	203.05	0.02	2.69	0.00	0.01	0.01	0.00	0.0007	0.46
2028	217.20	0.03	2.88	0.00	0.01	0.01	0.00	0.0007	0.49
2029	230.97	0.03	3.06	0.00	0.01	0.01	0.00	0.0008	0.52
2030	244.73	0.03	3.25	0.00	0.01	0.01	0.00	0.0008	0.55
2031	258.50	0.03	3.43	0.00	0.01	0.01	0.00	0.0008	0.58
2032	272.27	0.03	3.61	0.00	0.01	0.01	0.00	0.0009	0.61
2033	286.04	0.03	3.79	0.00	0.01	0.01	0.01	0.0009	0.64
2034	299.81	0.04	3.98	0.00	0.01	0.01	0.01	0.0010	0.67
2035	310.55	0.04	4.12	0.00	0.01	0.01	0.01	0.0010	0.70
Buildout	310.55	0.04	4.12	0.00	0.01	0.01	0.01	0.0010	0.70

Greenhouse Gas Emissions
Net Emissions
Construction GHG Emissions

Unmitigated Construction GHG Emissions (Table 4.7.E), metric tons CO2e

Year	Construction CO2e (less Black Carbon)	Black Carbon	Construction Refrigerants and Waste	Total
2020	18,739	44	209	18,991
2021	22,172	38	209	22,418
2022	23,351	24	209	23,583
2023	23,506	16	209	23,730
2024	22,109	15	206	22,330
2025	16,404	13	102	16,518
2026	12,419	13	141	12,573
2027	11,686	14	144	11,844
2028	11,993	15	141	12,148
2029	11,445	14	141	11,600
2030	12,305	12	141	12,458
2031	10,604	12	141	10,757
2032	9,986	13	141	10,140
2033	7,445	12	141	7,598
2034	7,422	13	118	7,553
Total	221,584	266	2,393	224,244

Average over 30 years	7,386	9	80	7,475

Note: Black carbon emissions assumed to be 77% of PM2.5 emissions, with GWP of 760.

Unmitigated Construction GHG Emissions, metric tons CO2e

Year	Construction CO2e (less Black Carbon)	Black Carbon	Total
2020	18,739	44	18,782
2021	22,172	38	22,210
2022	23,351	24	23,374
2023	23,506	16	23,521
2024	22,109	15	22,124
2025	16,404	13	16,416
2026	12,419	13	12,432
2027	11,686	14	11,700
2028	11,993	15	12,007
2029	11,445	14	11,459
2030	12,305	12	12,317
2031	10,604	12	10,616
2032	9,986	13	9,999
2033	7,445	12	7,457
2034	7,422	13	7,436
Total	221,584	266	221,851

Average over 30 years	7,386	9	7,395

Note: Black carbon emissions assumed to be 77% of PM2.5 emissions, with GWP of 760.

7395

Construction Emissions
Net Emissions
Refrigeration Fugitive Emissions

Proposed Land Uses Square Footage

Land Use	Phase 1	Phase 2
Total conditioned space	3,780,000	5,940,000

Phase 1 Air Conditioning and Refrigeration Fugitive Emissions

Unit Type	Unit Quantity	Average charge, lbs	Average charge, kg	Annual Leak Rate, percent of capacity	Emissions, kg/year	Emissions, tons/year	Average Global Warming Potential	MTCO2e per year	MTCO2e, averaged over 30 years
Unitary A/C - small	756	100	45	3%	1029	1.13	1500	1543	51

Phase 2 Air Conditioning and Refrigeration Fugitive Emissions

Unit Type	Unit Quantity	Average charge, lbs	Average charge, kg	Annual Leak Rate, percent of capacity	Emissions, kg/year	Emissions, tons/year	Average Global Warming Potential	MTCO2e per year	MTCO2e, averaged over 30 years
Unitary A/C - small	1188	100	45	3%	1617	1.78	1500	2425	81

Methodology: U.S. Environmental Protection Agency, Climate Leaders. May 2008. Direct HFC and PFC Emissions from Use of Refrigeration and Air Conditioning Equipment. EPA430-K-03-004

One unitary A/C for every 5,000 sq. ft. of conditioned space.

Annual leak rate, average charge, and Global Warming Potential from South Coast Air Quality Management District. Draft Environmental Assessment for Proposed Amended Rule 1415 – Reduction of Refrigerant Emissions from Stationary Refrigeration and Air Conditioning Systems and Proposed Rule 1415.1 – Reduction of Refrigerant Emissions from Stationary Refrigeration Systems. November 2010.

Construction Emissions
Net Emissions
Construction Waste Emissions

Construction Waste Information and Assumptions

Parameter	Value
Building size, sq. ft.	1,800,000
Total mixed construction and demolition waste, tons	550.13
Mixed C&D waste diverted (recycled/reused), tons	412.7
Green waste, tons	5.0
Percent of total recycled, %	75.0%

Construction Waste Estimates

		Construction Waste Factors, tons/sq.ft.			Construction Waste, tons				
Source	Project Square Feet	Mixed C&D Waste	Recycled Waste	Green Waste	Mixed C&D Waste	Green Waste	Total Waste	Percent Recycled	Recycled Waste, tons
Construction waste	40,610,000	3.06E-04	2.29E-04	2.78E-06	12,412	113	12,524	51%	6,425

Construction Waste Percentage

	For Project			References	
Waste Type	C&D Waste, %	Waste landfilled, tons	Recycled, tons	Study 1	Study 2
Glass	1%	124	93		0.2%
Corrugated containers	8%	993	745	5.7%	2.0%
Dimensional lumber	17%	2,110	1,583	31.9%	23.3%
Medium-density fiberboard	7%	869	652	7.8%	3.8%
Food waste (non-meat)		0	0		0.9%
Yard trimmings (green waste)		113			2.3%
Grass		0	0		2.7%
Branches		0	0		1.8%
Mixed paper (general)	3%	372	279		3.6%
Mixed paper (primarily residential)		0	0		
Mixed paper (primarily from offices)		0	0		
Mixed metals	13%	1,614	1,211	13.2%	4.9%
Mixed plastics	6%	745	559	4.5%	5.5%
Mixed recyclables		0	0		
Mixed organics		0	0		
Mixed MSW	25%	3,103		26.6%	32.4%
Carpet	2%	248			3.9%
Clay bricks		0	0		
Concrete	10%	1,241	931	10.3%	2.0%
Fly ash		0	0		
Tires		0	0		
Asphalt concrete	2%	248	186		1.5%
Asphalt shingles		0	0		9.2%
Drywall	2%	248	186		
Fiberglass insulation	4%	496			
Vinyl flooring		0	0		
Wood flooring		0	0		
Total	100%	12,524	6,425	100.0%	100.0%

Waste Reduction Model (WARM) Results

Condition	Total CO2e, metric tons	Average CO2e over 30 years, metric tons
Unmitigated	-333	-11
Mitigated	-13,548	-452
Net Reduction	-13,215	-441

Note: The mitigated condition is estimated by WARM by using the recycled tons as shown above.
WARM model run provided in previous EIR appendices (Volume 2), Appendix D.

References for Construction Waste Percentages

Study 1	Tons	Percentage
Wood palettes	1,423	31.9%
Cardboard	256	5.7%
Metals	590	13.2%
Gypsum board	349	7.8%
Plastics	202	4.5%
Concrete	459	10.3%
Mixed	1,183	26.5%
Total	4,462	100.0%

Note: Waste percentages for the proposed project were estimated based on the following studies:
Study 1: California Integrated Waste Management Board. 2003. The Capitol Area East End Office Complex: A Case for Construction and Demolition Waste Diversion. Data from Table 2b. Website: http://www.calrecycle.ca.gov/Publications/Documents/GreenBuilding/43303023.pdf
Study 2: California Environmental Protection Agency. 2009. California 2008 Statewide Waste Characterization Study. Prepared by Cascadia Consulting Group. Data from Table 25: Composition of Commercial Self-Hauled Disposed Waste (includes all sources of self-hauled waste, not just from construction and demolition). Website: http://www.calrecycle.ca.gov/publications/Documents/General/2009023.pdf

Construction Emissions
Net Emissions
Construction Waste Emissions

Construction Waste Information and Assumptions

Parameter	Value
Building size, sq. ft.	1,800,000
Total mixed construction and demolition waste, tons	550.13
Mixed C&D waste diverted (recycled/reused), tons	412.7
Green waste, tons	5.0
Percent of total recycled, %	75.0%

Construction Waste Estimates

		Construction Waste Factors, tons/sq.ft.			Construction Waste, tons				
Source	Project Square Feet	Mixed C&D Waste	Recycled Waste	Green Waste	Mixed C&D Waste	Green Waste	Total Waste	Percent Recycled	Recycled Waste, tons
Construction waste	40,610,000	3.06E-04	2.29E-04	2.78E-06	12,412	113	12,524	51%	6,425

Construction Waste Percentage Results for 51% recycled

	For Project			References	
Waste Type	C&D Waste, %	Waste landfilled, tons	Recycled, tons	Study 1	Study 2
Glass	1%	124	93		0.2%
Corrugated containers	8%	993	745	5.7%	2.0%
Dimensional lumber	17%	2,110	1,583	31.9%	23.3%
Medium-density fiberboard	7%	869	652	7.8%	3.8%
Food waste (non-meat)		0	0		0.9%
Yard trimmings (green waste)		113			2.3%
Grass		0	0		2.7%
Branches		0	0		1.8%
Mixed paper (general)	3%	372	279		3.6%
Mixed paper (primarily residential)		0	0		
Mixed paper (primarily from offices)		0	0		
Mixed metals	13%	1,614	1,211	13.2%	4.9%
Mixed plastics	6%	745	559	4.5%	5.5%
Mixed recyclables		0	0		
Mixed organics		0	0		
Mixed MSW	25%	3,103		26.6%	32.4%
Carpet	2%	248			3.9%
Clay bricks		0	0		
Concrete	10%	1,241	931	10.3%	2.0%
Fly ash		0	0		
Tires		0	0		
Asphalt concrete	2%	248	186		1.5%
Asphalt shingles		0	0		9.2%
Drywall	2%	248	186		
Fiberglass insulation	4%	496			
Vinyl flooring		0	0		
Wood flooring		0	0		
Total	100%	12,524	6,425	100.0%	100.0%

Waste Reduction Model (WARM) Results
inclusive of lifecycle GHG benefits of recycling

Condition	Total CO2e, metric tons	Average CO2e over 30 years, metric tons
Unmitigated	-333	-11
Mitigated	-13,548	-452
Net Reduction	-13,215	-441

Note: The mitigated condition is estimated by WARM by using the recycled tons as shown above.
WARM model run provided in previous EIR appendices (Volume 2), Appendix D.

References for Construction Waste Percentages

Study 1	Tons	Percentage
Wood palettes	1,423	31.9%
Cardboard	256	5.7%
Metals	590	13.2%
Gypsum board	349	7.8%
Plastics	202	4.5%
Concrete	459	10.3%
Mixed	1,183	26.5%
Total	4,462	100.0%

Note: Waste percentages for the proposed project were estimated based on the following studies:

WARM Results - Unmitigated = 50% C&D waste diversion
(with no lifecycle GHG credit for recycling)

Commodity	Tons Recycled	Tons Landfilled	Tons Combusted	Tons Composted	Total $MTCO_2E$
Glass	-	124.0	-	NA	5
Corrugated Container	-	993.0	-	NA	(47)
Dimensional Lumber	-	2,110.0	-	NA	(1,534)
Medium-density Fibe	-	869.0	-	NA	(632)
Yard Trimmings	NA	113.0	-	-	(18)
Mixed Paper (general	-	372.0	-	NA	(25)
Mixed Metals	-	1,614.0	-	NA	63
Mixed Plastics	-	745.0	-	NA	29
Mixed MSW	NA	3,103.0	-	NA	3,052
Carpet	-	248.0	-	NA	10
Concrete	-	1,241.0	NA	NA	48
Asphalt Concrete	-	248.0	NA	NA	10
Drywall	-	248.0	NA	NA	31
Fiberglass Insulation	NA	496.0	NA	NA	19
		12,524.0		51% diversion	1,011
			over 30 years	Unmitigated	34
				75% diversion	506
			over 30 years	Mitigated	17

Study 1: California Integrated Waste Management Board. 2003. The Capitol Area East End Office Complex: A Case for Construction
and Demolition Waste Diversion. Data from Table 2b. Website:
http://www.calrecycle.ca.gov/Publications/Documents/GreenBuilding/43303023.pdf

Study 2: California Environmental Protection Agency. 2009. California 2008 Statewide Waste Characterization Study. Prepared by
Cascadia Consulting Group. Data from Table 25: Composition of Commercial Self-Hauled Disposed Waste (includes all sources of
self-hauled waste, not just from construction and demolition). Website:
http://www.calrecycle.ca.gov/publications/Documents/General/2009023.pdf

Operational Emissions
Net Emissions
Air Conditioning and Refrigeration Fugitive Emissions

Proposed Land Uses Square Footage

Land Use	Phase 1	Phase 2
Total conditioned space	3,780,000	5,940,000

Phase 1: Air Conditioning and Refrigeration Fugitive Emissions

Unit Type	Unit Quantity	Average charge, lbs	Average charge, kg	Annual Leak Rate, percent of capacity	Emissions, kg/year	Emissions, tons/year	Average Global Warming Potential	MTCO2e per year
Unitary A/C - small	756	100	45	5%	1715	1.89	1500	2572

Phase 2: Air Conditioning and Refrigeration Fugitive Emissions

Unit Type	Unit Quantity	Average charge, lbs	Average charge, kg	Annual Leak Rate, percent of capacity	Emissions, kg/year	Emissions, tons/year	Average Global Warming Potential	MTCO2e per year
Unitary A/C - small	1188	100	45	5%	2694	2.97	1500	4042

Methodology: U.S. Environmental Protection Agency, Climate Leaders. May 2008. Direct HFC and PFC Emissions from Use of Refrigeration and Air Conditioning Equipment. EPA430-K-03-004
One unitary A/C for every 5,000 sq. ft. of conditioned space.
Annual leak rate, average charge, and Global Warming Potential from South Coast Air Quality Management District. Draft Environmental Assessment for Proposed Amended Rule 1415 – Reduction of Refrigerant Emissions from Stationary Refrigeration and Air Conditioning Systems and Proposed Rule 1415.1 – Reduction of Refrigerant Emissions from Stationary Refrigeration Systems. November 2010.

Greenhouse Gas Emissions
Net Emissions
Operational Building Energy Use and EV Energy Use

Building Electricity and Natural Gas Use, and EV Use

Condition	Item	Phase 1	Phase 2	Units
Title 24 Baseline	Building annual electricity	194,287	330,649	MWh/yr
	Building annual natural gas	51,274	84,771	MMBTU/yr
	EV annual electricity	7,775	60,116	MWh/yr
	Building annual electricity GHG emissions	32,255	46,494	mtCO2e/yr
	Building annual natural gas GHG Emissions	2,723	4,510	mtCO2e/yr
	EV annual electricity GHG emissions	1,291	8,453	mtCO2e/yr
Proposed Project	Building annual electricity	174,423	298,084	MWh/yr
	Building annual natural gas	0	0	MMBTU/yr
	EV annual electricity	7,775	60,116	MWh/yr
	Building annual electricity GHG emissions	28,957	41,915	mtCO2e/yr
	Building annual natural gas GHG Emissions	0	0	mtCO2e/yr
	EV annual electricity GHG emissions	1,291	8,453	mtCO2e/yr
	Solar PV grid energy offset	7,686	24,083	MWh/yr
	Solar PV GHG offset	-1,276	-3,386	MWh/yr

Unmitigated Building Electricity and Natural Gas Use GHG Emissions (includes onsite EV charging ba

Year	Natural Gas	Percent Added
2020	0	0
2021	0	0.113054187
2022	545	0.113054187
2023	1,089	0.113054187
2024	1,634	0.113054187
2025	2,723	0.113054187
2026	3,080	0.043472906
2027	3,259	0.043472906
2028	3,438	0.043472906
2029	3,617	0.043472906
2030	3,795	0.043472906
2031	3,974	0.043472906
2032	4,153	0.043472906
2033	4,331	0.043472906
2034	4,510	0.043472906
2035	4,689	0.043472906
Buildout	4,510	0

Mitigated Building Electricity and Natural Gas Use GHG Emissions (includes EV charging based on EI

Year	Natural Gas	Percent Added
2020	0	0
2021	0	0.113054187
2022	0	0.113054187
2023	0	0.113054187
2024	0	0.113054187
2025	0	0.113054187
2026	0	0.043472906
2027	0	0.043472906
2028	0	0.043472906
2029	0	0.043472906
2030	0	0.043472906
2031	0	0.043472906
2032	0	0.043472906
2033	0	0.043472906
2034	0	0.043472906
2035	0	0.043472906
Buildout	0	0

World Logistics Center
Greenhouse Gas Emissions **Net Emissions**
Operational Building Energy Use and EV Energy Use

Building Electricity and Natural Gas Use, and EV Use

Condition	Item	Phase 1	Phase 2	Units	
Title 24 Baseline	Building annual elec	194,287	330,649	MWh/yr	from Table 4.17-4 in Energy section (source WSP, 2018), which is based on table of figures in email sent by Evan Evans on 6/29/18
	Building annual natu	51,274	84,771	MMBTU/yr	
	EV annual electricity	4,379	28,144	MWh/yr	from ESA/CALSTART report
	Building annual elec	32,255	46,494	mtCO2e/yr	
	Building annual natu	2,723	4,510	mtCO2e/yr	
	EV annual electricity	727	3,957	mtCO2e/yr	
Proposed Project	Building annual elec	174,423	298,084	MWh/yr	from Table 4.17-4 in Energy section (source WSP, 2018), which is based on table of figures in email sent by Derek Fehrer on 4/20/18.
	Building annual natu	0	0	MMBTU/yr	
	EV annual electricity	4,379	28,144	MWh/yr	from ESA/CALSTART report
	Building annual elec	28,957	41,915	mtCO2e/yr	
	Building annual natu	0	0	mtCO2e/yr	
	EV annual electricity	727	3,957	mtCO2e/yr	
	Solar PV grid energy	7,686	24,083	MWh/yr	
	Solar PV GHG offset	-1,276	-3,386	MWh/yr	

Building Electricity and Natural Gas Use, and EV Use

Condition	Item	Phase 1	Phase 2	Units	
Title 24 Baseline	Building annual elec	198,666	358,793	MWh/yr	from Table 4.17-4 in Energy section (source WSP, 2018), which is based on table of figures in email sent by Evan Evans on 6/29/18
Proposed Project	Building annual elec	178,802	326,228	MWh/yr	from Table 4.17-4 in Energy section (source WSP, 2018), which is based on table of figures in email sent by Derek Fehrer on 4/20/18.

Mitigated Building Electricity

Year	Electricity (MWh/yr)	Emissions from Electricity (CO2e)	Emissions from Water Conveyance (CO2e)	Total CO2e
2020	0	0	0	0
2021	25,032	5,487	119	5,607
2022	50,065	10,505	239	10,743
2023	83,441	16,725	398	17,123
2024	116,817	22,319	557	22,876
2025	178,802	32,535	853	33,388
2026	208,766	36,088	1,148	37,236
2027	224,587	36,779	1,304	38,084
2028	234,095	36,207	1,398	37,605
2029	243,603	35,461	1,492	36,953
2030	257,170	35,096	1,626	36,722
2031	272,556	34,716	1,778	36,494
2032	287,941	34,056	1,929	35,985
2033	303,327	33,116	2,081	35,197
2034	313,411	31,366	2,181	33,546
2035	323,495	29,432	2,280	31,712
2036	326,228	26,712	2,308	29,021
2037	326,228	23,744	2,308	26,053
2038	326,228	20,776	2,308	23,085
2039	326,228	17,808	2,308	20,117
2040	326,228	14,840	2,308	17,149
2041	326,228	11,872	2,308	14,181
2042	326,228	8,904	2,308	11,213
2043	326,228	5,936	2,308	8,245
2044	326,228	2,968	2,308	5,276
2045	326,228	0	0	0
2046	326,228	0	0	0
2047	326,228	0	0	0
2048	326,228	0	0	0
2049	326,228	0	0	0
2050	280,556	0	0	0
2051	241,278	0	0	0
2052	196,240	0	0	0
2053	159,608	0	0	0
2054	104,277	0	0	0
2055	83,083	0	0	0
2056	74,167	0	0	0
2057	69,384	0	0	0
2058	64,909	0	0	0
2059	58,936	0	0	0
2060	52,785	0	0	0
2061	47,276	0	0	0
2062	42,343	0	0	0
2063	39,446	0	0	0
2064	36,748	0	0	0
2065	36,030	0	0	0
Total	**9,277,366**	**563,449**	**40,159**	**603,608**

Percent Added	Change Per Year by Phase
0.051711	14%
0.051711	14%
0.068949	19%
0.068949	19%
0.128047	35%
0.128047	20%
0.067607	11%
0.04063	6%
0.04063	6%
0.057978	9%
0.065747	10%
0.065747	10%
0.065747	10%
0.043093	7%
0.043093	7%
0.012312	2%
0	0%

Unmitigated Building Electricity

Year	Electricity (MWh/yr)	Emissions from Electricity (CO2e)	Emissions from Water Conveyance (CO2e)	Total CO2e
2020	0	0	0	0
2021	27,813	6,097	133	6,230
2022	55,626	11,672	267	11,939
2023	92,711	18,583	445	19,028
2024	129,795	24,799	623	25,421
2025	198,666	36,149	953	37,102
2026	235,249	40,666	1,283	41,949
2027	254,564	41,689	1,458	43,146
2028	266,172	41,168	1,562	42,730
2029	277,780	40,436	1,667	42,103
2030	294,345	40,169	1,817	41,986
2031	313,129	39,884	1,986	41,870
2032	331,913	39,257	2,156	41,413
2033	350,697	38,288	2,326	40,613
2034	363,009	36,329	2,437	38,766
2035	375,320	34,147	2,548	36,695
2036	358,793	29,379	2,580	31,958
2037	358,793	26,115	2,580	28,694
2038	358,793	22,850	2,580	25,430
2039	358,793	19,586	2,580	22,165
2040	358,793	16,322	2,580	18,901
2041	358,793	13,057	2,580	15,637
2042	358,793	9,793	2,580	12,373
2043	358,793	6,529	2,580	9,108
2044	358,793	3,264	2,580	5,844
2045	358,793	0	0	0
2046	358,793	0	0	0
2047	358,793	0	0	0
2048	358,793	0	0	0
2049	358,793	0	0	0
2050	308,562	0	0	0
2051	265,363	0	0	0
2052	215,829	0	0	0
2053	175,541	0	0	0
2054	114,687	0	0	0
2055	91,377	0	0	0
2056	81,571	0	0	0
2057	76,310	0	0	0
2058	71,389	0	0	0
2059	64,819	0	0	0
2060	58,054	0	0	0
2061	51,996	0	0	0
2062	46,569	0	0	0
2063	43,384	0	0	0
2064	40,416	0	0	0
2065	39,627	0	0	0
Total	**10,335,385**	**636,226**	**44,876**	**681,102**

CO2e Intensity Factor B\ Net Emissions

Utility Provider: **SCE**

Year	RPS Mandate[2,3]	Electricity Emission Factor (MT CO2e/MWh)	Electricity Emission Factor (lbs CO2e/MWh)	lbs/metric ton
Base	0%	0.3412	752.16549	2204.623
2017[1]	32.00%	0.232	511.47254	

Year	RPS Mandate[2,3]	Electricity Emission Factor (MT CO2e/MWh)	Electricity Emission Factor (lbs CO2e/MWh)	Proportion Compared to Year 2024
2020	33.00%	0.2286	503.9509	
2021	35.75%	0.2192	483.2663	
2022	38.50%	0.2098	462.5818	
2023	41.25%	0.2004	441.8972	
2024	44.00%	0.1911	421.2127	1.00
2025	46.67%	0.1820	401.1549	0.95
2026	49.33%	0.1729	381.0972	0.90
2027	52.00%	0.1638	361.0394	0.86
2028	54.67%	0.1547	340.9817	0.81
2029	57.33%	0.1456	320.9239	0.76
2030	60.00%	0.1365	300.8662	0.71
2031	62.7%	0.1274	280.8085	0.67
2032	65.3%	0.1183	260.7507	0.62
2033	68.0%	0.1092	240.6930	0.57
2034	70.7%	0.1001	220.6352	0.52
2035	73.3%	0.0910	200.5775	0.48
2036	76.0%	0.0819	180.5197	0.43
2037	78.7%	0.0728	160.4620	0.38
2038	81.3%	0.0637	140.4042	0.33
2039	84.0%	0.0546	120.3465	0.29
2040	86.7%	0.0455	100.2887	0.24
2041	89.3%	0.0364	80.2310	0.19
2042	92.0%	0.0273	60.1732	0.14
2043	94.7%	0.0182	40.1155	0.10
2044	97.3%	0.0091	20.0577	0.05
2045	100%	0	0	0.00
2046	100%	0	0	0.00
2047	100%	0	0	0.00
2048	100%	0	0	0.00
2049	100%	0	0	0.00
2050	100%	0	0	0.00
2051	100%	0	0	0.00
2052	100%	0	0	0.00
2053	100%	0	0	0.00
2054	100%	0	0	0.00
2055	100%	0	0	0.00
2056	100%	0	0	0.00
2057	100%	0	0	0.00
2058	100%	0	0	0.00
2059	100%	0	0	0.00
2060	100%	0	0	0.00
2061	100%	0	0	0.00
2062	100%	0	0	0.00
2063	100%	0	0	0.00
2064	100%	0	0	0.00
2065	100%	0	0	0.00

[1] Southern California Edison, 2018. ESG/Sustainability Template. Report date: September 27, 2018. Available: https://www.edison.com/content/dam/eix/documents/sustainability/eix-esg-pilot-quantitative-section-sce.pdf. Accessed April 5, 2019.

[2] SCE 2017 Power Content Label https://www.sce.com/sites/default/files/inline-files/2017PCL_0.pdf

[3] SB-100 California Renewables Portfolio Standard Program: Emissions of Greenhouse Gases, https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201720180

Operational Emissions
Net Emissions
Land Use GHG Emissions

Land Use GHG Emissions

Parameter	Value
Initial acres	2,610
Final acres	45
Change in acres	2,565
Carbon sequestration, MTCO2e/acre/year	0.45
GHG emissions, MTCO2e/year	1,154

Note: CalEEMod has a default accumulation for "cropland" of 6.2 tons CO2e/acre/year. However, since the project site is dry farmed and therefore would have less carbon accumulation, Brown and Huggins (2010) was used and values in Table 1 of that article was used and converted (0.90 Mg C ha-1yr-1)

Greenhouse Gas Emissions
Net Emissions
Carbon Sequestration

Estimated Tree Inventory

Project Location	Tree Inventory Calculation Details	Tree Species	Trees
Automobile parking	1 tree/6 stalls x 10,981 stalls	Average	1,830
Building perimeters	Assuming an average of 1,500,000 sq. ft. per building; taking the square root and multiplying by 4 yields the building perimeter (4,900 feet x 27.8 buildings = 136,220 feet); 1 tree per 60 feet	Average	2,270
Redlands Boulevard, Bay Street	Length = 6,642 feet / 40 feet (1 side of road)	Pine	55
		Blue Palo Verde	55
		Sweet Acacia	55
Gilman Springs Road	Length = 12,257 feet / 40 feet (1 side of road)	Afghan Pine	306
60 Freeway	Length = 4,684 feet / 40 feet (1 side only)	Afghan Pine	59
		Date Palm (25' trunk height)	59
Street A	Length = 8,656 / 40 feet x 2 side of street	Chilean Mesquite/Algarrobo	216
		Mexican Fan Palm (30' trunk height	216
Eucalyptus Street	Length = 5,350 feet / 40 feet (1 side of road)	Brisbane Box	45
		Afghan Pine	45
		Date Palm (30' trunk height)	45
Street B	Length = 4,418 feet / 40 feet x 3 (two sides of street and median)	Brisbane Box	331
Streets C, D, E, F, G, H	Length = 38,363 feet / 40 feet x 2 sides of street	Chilean Mesquite/Algarrobo	1,918
Total			**7,506**

Note: For automobile parking, Table 9.11.040C-12 in Moreno Valley Code states that warehouse and distribution uses are required to have 1/1,000 sq. ft. of gross floor area for the first 20,000 sq. ft.; 1/2,000 sq. ft. of gross floor area for the second 20,000 sq. ft.; 1/4,000 sq. ft. of gross floor area for areas in excess of the initial 40,000 sq. ft. Assuming 27.8 buildings each 1,500,000 sq. ft. in size yields 10,981 stalls

Tree Carbon Sequestration Rates (Age of Tree)

		CO2 Sequestration (lb/tree/year)	
Tree Species	Code	5 years	10 years
Afghan pine	PIBR	47.3	161.0
Blue palo verde	CEFL	14.6	53.3
Brisbane box	TRCO	40.1	36.8
Chilean mesquite/algarrobo	PRCH	36.1	100.3
Crape myrtle sp.	LAIN	2.0	3.6
Desert willow	CHLI	4.9	15.1
Sweet acacia	ACFA	17.0	38.0
Sycamore	PLRA	41.7	109.5
Average	--	24.0	55.4

Note: The rate at five years is used in the analysis; 10 years is shown for informational purposes to demonstrate that the trees will increase sequestration rates over time. The codes are from the CUFR Tree Carbon Calculator (2012).

Tree Carbon Sequestration Rates (Height of Tree)

		CO2 Sequestration (lb/tree/year)	
Tree Species	Code	25 feet	30 feet
Date Palm	PHDA4	14.8	15.0
Mexican Fan Palm	WARO	26.9	26.4

Tree Carbon Sequestration Estimates

		CO2 Sequestration	
Tree Species	Trees	lb/tree/year	tons/year
Average	4100	24.0	49
Afghan pine	465	47.3	11
Blue palo verde	55	14.6	0
Sweet acacia	55	17.0	0
Date Palm (25' trunk height)	59	14.8	0
Date Palm (30' trunk height)	45	15.0	0
Chilean mesquite/algarrobo	2135	36.1	39
Mexican fan palm (30' trunk height)	216	26.4	3
Brisbane box	376	40.1	8
Total	7506		111

Greenhouse Gas Emissions - Net
Net Emissions

Unmitigated Greenhouse Gas Emissions by Year, metric tons of CO2e

	Capped										Uncapped						
Year	Construction	Net Mobile	Yard trucks	Generator	Forklifts	Electricity	Water	Natural gas	Solar	Subtotal	Construction Refrigerants and Waste	Waste	Refrigerants	Land use change	Sequestration	Subtotal	Total
2020	18,782	0	0	0	0	0	0	0	0	18,782	209	0	0	0	0	209	18,991
2021	22,210	22,089	813	30	29	6,201	133	0	0	51,505	209	2,175	291	131	-13	2,793	54,298
2022	23,374	42,984	1,625	61	58	11,871	267	545	0	80,785	209	4,349	583	262	-25	5,377	86,162
2023	23,521	62,716	2,438	91	87	18,901	445	1,089	0	109,288	209	6,524	874	392	-38	7,961	117,249
2024	22,124	81,169	3,250	121	117	25,222	623	1,634	0	134,260	206	8,698	1,166	523	-50	10,543	144,803
2025	16,416	97,097	4,053	151	145	36,767	953	2,723	0	158,306	102	10,847	1,454	652	-63	12,992	171,298
2026	12,432	103,414	4,371	163	157	42,257	1,283	3,080	0	167,157	141	11,698	1,568	704	-68	14,043	181,200
2027	11,700	113,746	4,689	175	168	43,698	1,458	3,259	0	178,893	144	12,549	1,682	755	-72	15,057	193,949
2028	12,007	123,988	5,016	187	180	43,351	1,562	3,438	0	189,729	141	13,423	1,799	807	-77	16,093	205,822
2029	11,459	133,464	5,334	199	191	42,759	1,667	3,617	0	198,690	141	14,274	1,913	858	-82	17,104	215,794
2030	12,317	142,515	5,652	211	203	42,706	1,817	3,795	0	209,215	141	15,125	2,027	910	-87	18,116	227,331
2031	10,616	151,159	5,970	222	214	42,631	1,986	3,974	0	216,773	141	15,976	2,141	961	-92	19,127	235,900
2032	9,999	159,397	6,288	234	226	42,161	2,156	4,153	0	224,613	141	16,827	2,255	1,012	-97	20,138	244,751
2033	7,457	167,226	6,606	246	237	41,294	2,326	4,331	0	229,723	141	17,678	2,369	1,063	-102	21,149	250,872
2034	7,436	174,639	6,924	258	248	39,280	2,437	4,510	0	235,732	118	18,529	2,483	1,114	-107	22,137	257,869
2035	0	179,355	7,172	267	257	37,007	2,548	4,689	0	231,296	166	19,193	2,572	1,154	-111	22,974	254,270
Buildout																	

Mitigated Greenhouse Gas Emissions by Year, metric tons of CO2e

	Capped										Uncapped						
Year	Construction	Net Mobile	Yard trucks	Generator	Forklifts	Electricity	Water	Natural gas	Solar	Subtotal	Construction Refrigerants and Waste	Waste	Refrigerants	Land use change	Sequestration	Subtotal	Total
2020	18,782	0	0	0	0	0	0	0	0	18,782	192	0	0	0	0	192	18,974
2021	22,210	20,982	813	32	29	5,591	119	0	-179	49,598	192	544	291	131	-13	1,145	50,743
2022	23,374	41,248	1,625	65	58	10,704	239	0	-357	76,956	192	1,087	583	262	-25	2,098	79,055
2023	23,521	60,829	2,438	97	87	17,043	398	0	-595	103,818	192	1,631	874	392	-38	3,051	106,870
2024	22,124	79,602	3,250	130	117	22,743	557	0	-834	127,689	190	2,175	1,166	523	-50	4,003	131,691
2025	16,416	96,308	4,053	162	145	33,153	853	0	-1,276	149,814	85	2,712	1,454	652	-63	4,840	154,655
2026	12,432	102,643	4,371	174	157	37,679	1,148	0	-1,705	156,899	124	2,924	1,568	704	-68	5,252	162,152
2027	11,700	112,971	4,689	187	168	38,789	1,304	0	-1,931	167,877	127	3,137	1,682	755	-72	5,628	173,505
2028	12,007	123,218	5,016	200	180	38,390	1,398	0	-2,068	178,342	124	3,356	1,799	807	-77	6,009	184,350
2029	11,459	132,710	5,334	213	191	37,784	1,492	0	-2,204	186,979	124	3,569	1,913	858	-82	6,382	193,361
2030	12,317	141,787	5,652	225	203	37,633	1,626	0	-2,398	197,044	124	3,781	2,027	910	-87	6,755	203,799
2031	10,616	150,466	5,970	238	214	37,463	1,778	0	-2,618	204,127	124	3,994	2,141	961	-92	7,128	211,255
2032	9,999	158,748	6,288	251	226	36,960	1,929	0	-2,838	211,563	124	4,207	2,255	1,012	-97	7,501	219,063
2033	7,457	166,632	6,606	263	237	36,122	2,081	0	-3,059	216,340	124	4,419	2,369	1,063	-102	7,874	224,213
2034	7,436	174,108	6,924	276	248	34,317	2,181	0	-3,203	222,287	101	4,632	2,483	1,114	-107	8,223	230,510
2035	0	178,798	7,172	286	257	32,292	2,280	0	-3,386	217,700	149	4,798	2,572	1,154	-111	8,563	226,262
Buildout																	

-13,596 0.1427

Reductions from Mitigation, metric tons of CO2e

	Capped										Uncapped						
Year	Construction	Net Mobile	Yard trucks	Generator	Forklifts	Electricity	Water	Natural gas	Solar	Subtotal	Construction Refrigerants and Waste	Waste	Refrigerants	Land use change	Sequestration	Subtotal	Total
2020	0	0	0	0	0	0	0	0	0	0	-17	0	0	0	0	-17	-17
2021	0	-1,107	0	2	0	-610	-14	0	-179	-1,907	-17	-1,631	0	0	0	-1,648	-3,555
2022	0	-1,736	0	4	0	-1,167	-28	-545	-357	-3,828	-17	-3,262	0	0	0	-3,279	-7,107
2023	0	-1,886	0	6	0	-1,858	-47	-1,089	-595	-5,469	-17	-4,893	0	0	0	-4,910	-10,379
2024	0	-1,567	0	8	0	-2,480	-65	-1,634	-834	-6,571	-17	-6,524	0	0	0	-6,540	-13,111
2025	0	-789	0	11	0	-3,614	-100	-2,723	-1,276	-8,492	-17	-8,135	0	0	0	-8,152	-16,644
2026	0	-771	0	11	0	-4,578	-135	-3,080	-1,705	-10,258	-17	-8,773	0	0	0	-8,790	-19,048
2027	0	-775	0	12	0	-4,909	-153	-3,259	-1,931	-11,015	-17	-9,412	0	0	0	-9,428	-20,444
2028	0	-770	0	13	0	-4,961	-164	-3,438	-2,068	-11,388	-17	-10,067	0	0	0	-10,084	-21,472
2029	0	-754	0	14	0	-4,975	-175	-3,617	-2,204	-11,710	-17	-10,706	0	0	0	-10,723	-22,433
2030	0	-728	0	15	0	-5,073	-191	-3,795	-2,398	-12,171	-17	-11,344	0	0	0	-11,361	-23,531
2031	0	-693	0	16	0	-5,168	-209	-3,974	-2,618	-12,646	-17	-11,982	0	0	0	-11,999	-24,645
2032	0	-648	0	16	0	-5,201	-227	-4,153	-2,838	-13,050	-17	-12,620	0	0	0	-12,637	-25,687
2033	0	-594	0	17	0	-5,172	-244	-4,331	-3,059	-13,383	-17	-13,258	0	0	0	-13,275	-26,658
2034	0	-531	0	18	0	-4,964	-256	-4,510	-3,203	-13,445	-17	-13,897	0	0	0	-13,913	-27,359
2035	0	-557	0	19	0	-4,715	-268	-4,689	-3,386	-13,596	-17	-14,395	0	0	0	-14,411	-28,008
Buildout																	

Unmitigated Greenhouse Gas Emissions for Buildout

	Greenhouse Gas, tons per year					Total, metric
Source	CO2	CH4	N2O	HFCs	BC	tons CO2e
Construction	7,395	0.00	0.00	0.00	0.01	7,395
Net Mobile	189,778	7.97	21.62	0.00	1.69	179,355
Yard trucks	7,906	0.00	0.00	0.00	0.00	7,172
Generator	267	0.01	0.00	0.00	0.04	267
Forklifts	276	0.00	0.00	0.00	0.01	257
Electricity	40,645	41.98	106.46	-	-	37,007
Water	2,664	5.43	0.15	-	-	2,548
Natural gas	4,942	2.37	26.99	-	0.00	4,689
Construction Refrigerants and Waste	115	0.00	0.00	0.06	0.00	166
Waste	8,540	504.67	0.00	-	-	19,193
Refrigerants	0	0.00	0.00	1.89	0.00	2,572
Land use change	1,272	0.00	0.00	0.00	0.00	1,154
Sequestration	-122	0.00	0.00	0.00	0.00	-111
Total	263,677	562.43	155.22	1.95	1.75	261,665
Non-mobile emissions	73,899	554.46	133.60	1.95	0.06	82,309
Subtotal, capped	253,872	57.76	155.22	0.00	1.75	238,691
Subtotal, uncapped	9,804	504.67	0.00	1.95	0.00	22,974

B.3 Operational Summary (Project)

World Logistics Center
Criteria Pollutant Summary

Operational Emissions Summary by Phase, lbs/day

Condition	Phase	Source	VOC	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	Total PM10	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Unmitigated	Phase 1	Mobile	24	849	277	5	129	13	141	40	7	47
		Area	203	0	3	0	0	0	0	0	0	0
		Onsite	5	138	51	0	0	1	1	0	1	1
		Total	232	988	331	5	129	14	143	40	9	48
	Buildout	Mobile	45	1361	867	10	375	13	388	113	12	125
		Area	311	0	4	0	0	0	0	0	0	0
		Onsite	9	245	89	0	0	2	2	0	2	2
		Total	364	1606	961	10	375	15	390	113	15	127
		Threshold	55	55	550	-	-	-	150	-	-	55
		Exceeded?	**Yes**	**Yes**	**Yes**	No	No	No	**Yes**	No	No	**Yes**
Mitigated	Phase 1	Mobile	24	804	277	5	129	7	136	40	7	47
		Area	203	0	3	0	0	0	0	0	0	0
		Onsite	5	59	70	0	0	0	0	0	0	0
		Total	232	864	350	5	129	8	136	40	7	47
	Buildout	Mobile	45	1341	867	10	375	13	387	113	12	125
		Area	311	0	4	0	0	0	0	0	0	0
		Onsite	8	91	107	0	0	0	0	0	0	0
		Total	363	1432	978	10	375	13	388	113	13	125
		Threshold	55	55	550	-	-	-	150	-	-	55
		Exceeded?	**Yes**	**Yes**	**Yes**	No	No	No	**Yes**	No	No	**Yes**

Operational Emissions
Project Emissions
Project Mobile Source Emissions
Without EV Adjustment, Without Consideration of Net Regional Traffic

Project Mobile Source Emissions (without EV adjustment)

Condition	Year	Units	ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2	CO2e (metric tons for annual)
Unmitigated	2025	lb/day	80	1,353	1,211	11	13	293	141	448	12	72	56	140	9	123	36	1,174,611	532,037
		tons/year	15	247	221	2	2	54	26	82	2	13	10	26	2	22	7	214,366	97,097
Unmitigated	2035	lb/day	106	1,994	1,711	16	19	603	249	872	18	148	98	264	14	176	66	1,699,243	982,768
		tons/year	19	364	312	3	3	110	45	159	3	27	18	48	3	32	12	310,112	179,355
Mitigated	2025	lb/day	80	1,284	1,211	11	13	293	141	448	12	72	56	140	9	122	36	1,167,473	527,716
		tons/year	15	234	221	2	2	54	26	82	2	13	10	26	2	22	7	213,064	96,308
Mitigated	2035	lb/day	106	1,965	1,711	16	19	603	249	871	18	148	98	264	14	176	66	1,695,352	979,717
		tons/year	19	359	312	3	3	110	45	159	3	27	18	48	2	32	12	309,402	178,798

B.4 Mobile Source Emissions (Net) Unmitigated

World Logistics Center
Mobile Emissions - 2020 Buildout (Net) - Unmitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
161.28	3,500.38	1,376.68	13.88	66.65	56.88	136.93	260.46	63.73	13.96	53.48	131.17	48.93	187.60	41.31	1,482,928.93

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
29.43	638.82	251.24	2.53	12.16	10.38	24.99	47.53	11.63	2.55	9.76	23.94	8.93	34.24	7.54	270,634.53

World Logistics Center
Mobile Emissions - 2020 Buildout (Net) - Unmitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	2,926.0	23.6	42.2	74,524.8	601.4	1,074.3
LDT1	219.8	0.1	0.8	5,598.3	3.6	20.2
LDT2	1,092.6	5.7	6.3	27,828.3	146.2	161.4
MDT	2,714.6	48.0	6.9	49,226.6	870.9	125.6
LHDT1	1,059.2	630.4	0.0	30,785.9	18,322.7	0.0
LHDT2	337.0	475.3	0.0	9,796.2	13,814.2	0.0
MHDT	485.5	2,303.2	0.0	25,812.5	122,454.9	0.0
HHDT	4.1	4,440.9	204.9	217.8	236,116.6	10,894.0

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	81,542.3	658.1	1,175.5	-7,017.5	-56.6	-101.2
LDT1	6,125.5	4.0	22.1	-527.2	-0.3	-1.9
LDT2	30,448.7	159.9	176.6	-2,620.4	-13.8	-15.2
MDT	21,384.0	378.3	54.6	27,842.7	492.6	71.1
LHDT1	10,390.3	6,183.9	0.0	20,395.7	12,138.8	0.0
LHDT2	3,306.2	4,662.3	0.0	6,490.0	9,151.9	0.0
MHDT	4,710.1	22,344.8	0.0	21,102.4	100,110.1	0.0
HHDT	39.7	43,085.0	1,987.9	178.0	193,031.5	8,906.1

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
15	9%	8%	0%	0%
25	32%	31%	1%	3%
35	38%	30%	8%	10%
45	7%	15%	21%	13%
55	9%	13%	19%	4%
65	5%	3%	52%	70%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15 mph	7,338.8	551.3	2,740.4	1,924.6	935.1	297.6	376.8	3.2	14,167.7
25 mph	26,093.5	1,960.2	9,743.6	6,842.9	3,324.9	1,058.0	1,460.1	12.3	50,495.5
35 mph	30,986.1	2,327.7	11,570.5	8,125.9	3,948.3	1,256.4	1,413.0	11.9	59,639.8
45 mph	5,708.0	428.8	2,131.4	1,496.9	727.3	231.4	706.5	6.0	11,436.3
55 mph	7,338.8	551.3	2,740.4	1,924.6	935.1	297.6	612.3	5.2	14,405.2
65 mph	4,077.1	306.3	1,522.4	1,069.2	519.5	165.3	141.3	1.2	7,802.3
total	81,542.3	6,125.5	30,448.7	21,384.0	10,390.3	3,306.2	4,710.1	39.7	157,946.8

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15 mph	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 mph	-70.2	-5.3	-26.2	278.4	204.0	64.9	633.1	5.3	1,084.0
35 mph	-561.4	-42.2	-209.6	2,227.4	1,631.7	519.2	2,110.2	17.8	5,693.1
45 mph	-1,438.6	-108.1	-537.2	5,707.7	4,181.1	1,330.4	2,743.3	23.1	11,901.9
55 mph	-1,298.2	-97.5	-484.8	5,150.9	3,773.2	1,200.6	844.1	7.1	9,095.4
65 mph	-3,649.1	-274.1	-1,362.6	14,478.2	10,605.8	3,374.8	14,771.7	124.6	38,069.2
total	-7,017.5	-527.2	-2,620.4	27,842.7	20,395.7	6,490.0	21,102.4	178.0	65,843.7

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	0.0	0.0	0.0	0.0	69.3	22.0	30.5	0.4	122.2
15 mph	5,592.7	420.1	2,088.4	622.0	347.9	110.7	148.6	1.3	9,331.6
25 mph	0.0	0.0	0.0	0.0	349.1	111.1	677.2	5.7	1,143.1
35 mph	20,101.5	1,510.0	7,506.1	3,217.5	0.0	0.0	0.0	0.0	32,335.1
total	25,694.1	1,930.2	9,594.5	3,839.5	697.0	221.8	825.8	7.0	42,809.7

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	0.0	0.0	0.0	0.0	69.3	22.0	30.5	0.4	122.2
15 mph	12,931.5	971.4	4,828.8	2,546.5	1,283.0	408.3	525.4	4.4	23,499.3
25 mph	26,023.3	1,954.9	9,717.4	7,121.3	3,877.9	1,234.0	2,770.4	23.4	52,722.6
35 mph	50,526.1	3,795.5	18,867.0	13,570.8	5,580.0	1,775.6	3,523.3	29.7	97,668.0
45 mph	4,269.4	320.7	1,594.2	7,204.6	4,908.4	1,561.9	3,449.8	29.1	23,338.2
55 mph	6,040.6	453.8	2,255.6	7,075.4	4,708.3	1,498.2	1,456.4	12.3	23,500.6
65 mph	428.0	32.2	159.8	15,547.4	11,125.3	3,540.1	14,913.0	125.8	45,871.6
total	100,218.9	7,528.5	37,422.8	53,066.1	31,482.9	10,018.0	26,638.3	224.7	266,600.3

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15 mph	59.2	0.4	14.4	34.0	556.6	419.6	1,787.6	3,446.8	6,318.6
25 mph	210.6	1.3	51.2	121.1	1,978.9	1,491.9	6,926.9	13,356.4	24,138.1
35 mph	250.1	1.5	60.8	143.8	2,349.9	1,771.7	6,703.4	12,925.5	24,206.6
45 mph	46.1	0.3	11.2	26.5	432.9	326.4	3,351.7	6,462.8	10,657.7
55 mph	59.2	0.4	14.4	34.0	556.6	419.6	2,904.8	5,601.1	9,590.1
65 mph	32.9	0.2	8.0	18.9	309.2	233.1	670.3	1,292.6	2,565.2
total	658.1	4.0	159.9	378.3	6,183.9	4,662.3	22,344.8	43,085.0	77,476.3

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15 mph	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 mph	-0.6	0.0	-0.1	4.9	121.4	91.5	3,003.3	5,790.9	9,011.4
35 mph	-4.5	0.0	-1.1	39.4	971.1	732.2	10,011.0	19,303.2	31,051.2
45 mph	-11.6	-0.1	-2.8	101.0	2,488.5	1,876.1	13,014.3	25,094.1	42,559.5
55 mph	-10.5	-0.1	-2.5	91.1	2,245.7	1,693.1	4,004.4	7,721.3	15,742.5
65 mph	-29.4	-0.2	-7.2	256.2	6,312.2	4,759.0	70,077.1	135,122.1	216,489.7
total	-56.6	-0.3	-13.8	492.6	12,138.8	9,151.9	100,110.1	193,031.5	314,854.2

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	0.0	0.0	0.0	0.0	41.2	31.1	144.6	278.9	495.8
15 mph	45.1	0.3	11.0	11.0	207.0	156.1	705.0	1,359.4	2,494.9
25 mph	0.0	0.0	0.0	0.0	207.8	156.6	3,212.7	6,194.6	9,771.7
35 mph	162.2	1.0	39.4	56.9	0.0	0.0	0.0	0.0	259.5
total	207.4	1.3	50.4	67.9	414.8	312.7	3,917.7	7,554.0	12,526.1

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	0.0	0.0	0.0	0.0	41.2	31.1	144.6	278.9	495.8
15 mph	104.4	0.6	25.4	45.1	763.6	575.7	2,492.6	4,806.2	8,813.4
25 mph	210.0	1.3	51.0	126.0	2,308.0	1,740.1	13,142.9	25,342.0	42,921.2
35 mph	407.8	2.5	99.1	240.1	3,321.0	2,503.8	16,714.4	32,228.7	55,517.3
45 mph	34.5	0.2	8.4	127.5	2,921.3	2,202.5	16,366.0	31,556.9	53,217.2
55 mph	48.7	0.3	11.8	125.2	2,802.2	2,112.7	6,909.2	13,322.3	25,332.6
65 mph	3.5	0.0	0.8	275.1	6,621.4	4,992.1	70,747.4	136,414.6	219,054.9
total	808.8	4.9	196.6	938.9	18,737.5	14,127.0	126,372.5	243,670.6	404,856.7

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15 mph	105.8	2.0	15.9	4.9	0.0	0.0	0.0	159.0	287.6
25 mph	376.2	7.1	56.5	17.5	0.0	0.0	0.0	616.2	1,073.4
35 mph	446.7	8.4	67.1	20.7	0.0	0.0	0.0	596.4	1,139.3
45 mph	82.3	1.5	12.4	3.8	0.0	0.0	0.0	298.2	398.2
55 mph	105.8	2.0	15.9	4.9	0.0	0.0	0.0	258.4	387.0
65 mph	58.8	1.1	8.8	2.7	0.0	0.0	0.0	59.6	131.1
total	1,175.5	22.1	176.6	54.6	0.0	0.0	0.0	1,987.9	3,416.6

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15 mph	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 mph	-1.0	0.0	-0.2	0.7	0.0	0.0	0.0	267.2	266.7
35 mph	-8.1	-0.2	-1.2	5.7	0.0	0.0	0.0	890.6	886.8
45 mph	-20.7	-0.4	-3.1	14.6	0.0	0.0	0.0	1,157.8	1,148.1
55 mph	-18.7	-0.4	-2.8	13.1	0.0	0.0	0.0	356.2	347.5
65 mph	-52.6	-1.0	-7.9	36.9	0.0	0.0	0.0	6,234.3	6,209.8
total	-101.2	-1.9	-15.2	71.1	0.0	0.0	0.0	8,906.1	8,858.9

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.9	12.9
15 mph	80.6	1.5	12.1	1.6	0.0	0.0	0.0	62.7	158.6
25 mph	0.0	0.0	0.0	0.0	0.0	0.0	0.0	285.8	285.8
35 mph	289.8	5.4	43.5	8.2	0.0	0.0	0.0	0.0	347.0
total	370.4	7.0	55.7	9.8	0.0	0.0	0.0	348.5	791.3

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.9	12.9
15 mph	186.4	3.5	28.0	6.5	0.0	0.0	0.0	221.7	446.2
25 mph	375.2	7.0	56.4	18.2	0.0	0.0	0.0	1,169.2	1,626.0
35 mph	728.4	13.7	109.4	34.6	0.0	0.0	0.0	1,487.0	2,373.1
45 mph	61.5	1.2	9.2	18.4	0.0	0.0	0.0	1,456.0	1,546.3
55 mph	87.1	1.6	13.1	18.1	0.0	0.0	0.0	614.7	734.5
65 mph	6.2	0.1	0.9	39.7	0.0	0.0	0.0	6,293.9	6,340.8
total	1,444.8	27.1	217.1	135.4	0.0	0.0	0.0	11,242.5	13,066.9

World Logistics Center
Mobile Emissions - 2020 Buildout (Net) - Unmitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15.00	26,957.41	330.00	0.21	5,661.06	5,536.56	44.68	79.81
	LDT1	15.00	1,988.94	330.00	0.21	417.68	415.91	0.27	1.50
	LDT2	15.00	9,953.63	330.00	0.21	2,090.26	2,067.41	10.86	11.99
	MDT	15.00	2,998.96	330.00	0.21	629.78	617.29	10.92	1.58
	LHDT1	15.00	2,634.85	330.00	0.21	553.32	346.87	206.45	-
	LHDT2	15.00	1,266.78	330.00	0.21	266.02	110.38	155.65	-
	MHDT	15.00	4,033.75	330.00	0.21	847.09	147.47	699.61	-
	HHDT	15.00	6,726.07	330.00	0.21	1,412.47	1.24	1,348.99	62.24
Travel at Light Logistics	LDA	15.00	193.65	175.00	0.11	21.30	20.83	0.17	0.30
	LDT1	15.00	14.29	175.00	0.11	1.57	1.57	0.00	0.01
	LDT2	15.00	71.50	175.00	0.11	7.87	7.78	0.04	0.05
	MDT	15.00	18.10	175.00	0.11	1.99	1.95	0.03	0.00
	LHDT1	15.00	10.58	175.00	0.11	1.16	0.73	0.43	-
	LHDT2	15.00	5.08	175.00	0.11	0.56	0.23	0.33	-
	MHDT	15.00	13.05	175.00	0.11	1.44	0.25	1.19	-
	HHDT	15.00	21.75	175.00	0.11	2.39	0.00	2.29	0.11
Travel at Utility	LDA	15.00	219.14	100.00	0.06	13.15	12.86	0.10	0.19
	LDT1	15.00	16.17	100.00	0.06	0.97	0.97	0.00	0.00
	LDT2	15.00	80.91	100.00	0.06	4.85	4.80	0.03	0.03
	MDT	15.00	46.78	100.00	0.06	2.81	2.75	0.05	0.01
	LHDT1	15.00	7.12	100.00	0.06	0.43	0.27	0.16	-
	LHDT2	15.00	3.42	100.00	0.06	0.21	0.09	0.12	-
	MHDT	15.00	13.58	100.00	0.06	0.81	0.14	0.67	-
	HHDT	15.00	22.65	100.00	0.06	1.36	0.00	1.30	0.06
Travel at Gas Station/Convenience Store	LDA	15.00	-	50.00	0.03	-	-	-	-
	LDT1	15.00	-	50.00	0.03	-	-	-	-
	LDT2	15.00	-	50.00	0.03	-	-	-	-
	MDT	15.00	-	50.00	0.03	-	-	-	-
	LHDT1	15.00	-	50.00	0.03	-	-	-	-
	LHDT2	15.00	-	50.00	0.03	-	-	-	-
	MHDT	15.00	142.22	50.00	0.03	4.27	0.74	3.52	-
	HHDT	15.00	237.14	50.00	0.03	7.11	0.01	6.79	0.31
Travel at Convenience Store	LDA	15.00	669.17	50.00	0.03	20.08	19.63	0.16	0.28
	LDT1	15.00	49.37	50.00	0.03	1.48	1.47	0.00	0.01
	LDT2	15.00	247.08	50.00	0.03	7.41	7.33	0.04	0.04
	MDT	15.00	-	50.00	0.03	-	-	-	-
	LHDT1	15.00	-	50.00	0.03	-	-	-	-
	LHDT2	15.00	-	50.00	0.03	-	-	-	-
	MHDT	15.00	-	50.00	0.03	-	-	-	-
	HHDT	15.00	-	50.00	0.03	-	-	-	-
Travel at Fire Station	LDA	15.00	94.94	50.00	0.03	2.85	2.79	0.02	0.04
	LDT1	15.00	7.00	50.00	0.03	0.21	0.21	0.00	0.00
	LDT2	15.00	35.06	50.00	0.03	1.05	1.04	0.01	0.01
	MDT	15.00	-	50.00	0.03	-	-	-	-
	LHDT1	15.00	-	50.00	0.03	-	-	-	-
	LHDT2	15.00	-	50.00	0.03	-	-	-	-
	MHDT	15.00	-	50.00	0.03	-	-	-	-
	HHDT	15.00	-	50.00	0.03	-	-	-	-

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5,592.67	420.12	2,088.36	621.99	347.87	110.69	148.61	1.25
Diesel	45.13	0.27	10.97	11.00	207.04	156.10	705.00	1,359.37
Electric/Natural Gas (HHDT only)	80.62	1.51	12.11	1.59	-	-	-	62.72

World Logistics Center
Mobile Emissions - 2020 Buildout (Net) - Unmitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5.00	1,317.42	825.89	491.54	-	4,129.43	2,457.69	-
	LHDT2	5.00	633.39	262.80	370.59	-	1,314.00	1,852.95	-
	MHDT	5.00	2,016.87	351.13	1,665.75	-	1,755.63	8,328.74	-
	HHDT	5.00	3,363.04	2.96	3,211.88	148.19	14.81	16,059.41	740.95
Travel at Light Logistics	LHDT1	5.00	5.29	3.31	1.97	-	16.57	9.86	-
	LHDT2	5.00	2.54	1.05	1.49	-	5.27	7.44	-
	MHDT	5.00	6.52	1.14	5.39	-	5.68	26.94	-
	HHDT	5.00	10.88	0.01	10.39	0.48	0.05	51.94	2.40
Travel at Utility	LHDT1	5.00	3.56	2.23	1.33	-	11.16	6.64	-
	LHDT2	5.00	1.71	0.71	1.00	-	3.55	5.01	-
	MHDT	5.00	6.79	1.18	5.61	-	5.91	28.04	-
	HHDT	5.00	11.32	0.01	10.82	0.50	0.05	54.08	2.49
Travel at Gas Station/Convenience Store	LHDT1	5.00	-	-	-	-	-	-	-
	LHDT2	5.00	-	-	-	-	-	-	-
	MHDT	5.00	71.11	12.38	58.73	-	61.90	293.65	-
	HHDT	5.00	118.57	0.10	113.24	5.22	0.52	566.21	26.12
Travel at Convenience Store	LHDT1	5.00	-	-	-	-	-	-	-
	LHDT2	5.00	-	-	-	-	-	-	-
	MHDT	5.00	-	-	-	-	-	-	-
	HHDT	5.00	-	-	-	-	-	-	-
Travel at Fire Station	LHDT1	5.00	-	-	-	-	-	-	-
	LHDT2	5.00	-	-	-	-	-	-	-
	MHDT	5.00	-	-	-	-	-	-	-
	HHDT	5.00	-	-	-	-	-	-	-

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	69.29	22.05	30.49	0.35
Diesel	41.24	31.09	144.62	278.86
Electric/Natural Gas (HHDT only)	-	-	-	12.87

World Logistics Center
Mobile Emissions - 2020 Buildout (Net) - Unmitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	-	-	-	-	18.9132	18.9978	26.7849	21.2256
15 mph	0.0375	0.1013	0.0598	0.0951	0.1024	0.0766	0.2252	1.8509
25 mph	0.0194	0.0547	0.0314	0.0509	0.0563	0.0407	0.1133	0.9974
35 mph	0.0123	0.0361	0.0200	0.0326	0.0380	0.0264	0.0701	0.6764
45 mph	0.0098	0.0291	0.0161	0.0266	0.0320	0.0216	0.0562	0.5583
55 mph	0.0096	0.0283	0.0156	0.0264	0.0331	0.0220	0.0589	0.5590
65 mph	0.0111	0.0323	0.0179	0.0308	0.0412	0.0273	0.0746	0.6733

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	-	-	-	-	3.1731	3.1731	1.0239	2.4124
15 mph	0.0899	0.4130	0.0982	0.0768	0.2952	0.2925	0.6086	0.5539
25 mph	0.0293	0.2453	0.0261	0.0206	0.1094	0.1045	0.2189	0.2199
35 mph	0.0186	0.1841	0.0163	0.0129	0.0765	0.0716	0.1471	0.1366
45 mph	0.0146	0.1608	0.0120	0.0096	0.0635	0.0585	0.1079	0.0951
55 mph	0.0134	0.1686	0.0102	0.0081	0.0617	0.0562	0.1015	0.0816
65 mph	0.0148	0.2160	0.0107	0.0086	0.0766	0.0685	0.1070	0.0903

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.1286
15 mph								0.7096
25 mph								0.3256
35 mph								0.1949
45 mph								0.1220
55 mph								-
65 mph								-

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph *5

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	0.6062	0.1231	0.3613	0.4036	0.2111	0.0503	0.1871	0.0130	1.9557
25 mph	1.1188	0.2363	0.6745	0.7687	0.4130	0.0949	0.3649	0.0271	3.6983
35 mph	0.8379	0.1851	0.5107	0.5844	0.3307	0.0730	0.2184	0.0178	2.7579
45 mph	0.1235	0.0275	0.0754	0.0877	0.0513	0.0110	0.0876	0.0073	0.4714
55 mph	0.1552	0.0344	0.0945	0.1120	0.0682	0.0144	0.0796	0.0064	0.5647
65 mph	0.1000	0.0218	0.0601	0.0726	0.0472	0.0100	0.0232	0.0018	0.3367
total	2.9417	0.6283	1.7766	2.0290	1.1214	0.2536	0.9608	0.0733	9.7848

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
25 mph	(0.0030)	(0.0006)	(0.0018)	0.0313	0.0253	0.0058	0.1582	0.0117	0.2269
35 mph	(0.0152)	(0.0034)	(0.0093)	0.1602	0.1366	0.0302	0.3262	0.0266	0.6520
45 mph	(0.0311)	(0.0069)	(0.0190)	0.3344	0.2950	0.0634	0.3401	0.0285	1.0043
55 mph	(0.0275)	(0.0061)	(0.0167)	0.2998	0.2750	0.0582	0.1097	0.0088	0.7012
65 mph	(0.0895)	(0.0196)	(0.0538)	0.9829	0.9629	0.2032	2.4283	0.1850	4.5994
total	(0.1663)	(0.0366)	(0.1006)	1.8086	1.6948	0.3607	3.3625	0.2606	7.1838

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.8895	0.9236	1.8005	0.0164	5.6299
15 mph	0.4620	0.0938	0.2754	0.1304	0.0785	0.0187	0.0738	0.0051	1.1378
25 mph	-	-	-	-	0.0434	0.0100	0.1692	0.0126	0.2351
35 mph	0.5435	0.1201	0.3313	0.2314	-	-	-	-	1.2263
total	1.0055	0.2139	0.6067	0.3618	3.0114	0.9522	2.0435	0.0341	8.2292

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.8895	0.9236	1.8005	0.0164	5.6299
15 mph	1.0682	0.2169	0.6367	0.5341	0.2897	0.0689	0.2609	0.0181	3.0935
25 mph	1.1158	0.2357	0.6727	0.8000	0.4817	0.1107	0.6924	0.0514	4.1604
35 mph	1.3662	0.3018	0.8328	0.9759	0.4673	0.1032	0.5446	0.0443	4.6362
45 mph	0.0924	0.0206	0.0564	0.4221	0.3463	0.0744	0.4277	0.0358	1.4757
55 mph	0.1278	0.0284	0.0777	0.4119	0.3431	0.0726	0.1892	0.0151	1.2659
65 mph	0.0105	0.0023	0.0063	1.0555	1.0100	0.2132	2.4516	0.1868	4.9361
total	3.7809	0.8057	2.2827	4.1995	5.8276	1.5666	6.3668	0.3680	25.1978

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	0.0117	0.0003	0.0031	0.0058	0.3623	0.2707	2.3988	4.2094	7.2621
25 mph	0.0136	0.0007	0.0029	0.0055	0.4776	0.3439	3.3442	6.4752	10.6635
35 mph	0.0103	0.0006	0.0022	0.0041	0.3965	0.2796	2.1737	3.8921	6.7591
45 mph	0.0015	0.0001	0.0003	0.0006	0.0606	0.0421	0.7976	1.3551	2.2578
55 mph	0.0018	0.0001	0.0003	0.0006	0.0757	0.0520	0.6498	1.0078	1.7881
65 mph	0.0011	0.0001	0.0002	0.0004	0.0522	0.0352	0.1582	0.2572	0.5045
total	0.0399	0.0019	0.0090	0.0169	1.4249	1.0234	9.5223	17.1968	29.2352

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
25 mph	(0.0000)	(0.0000)	(0.0000)	0.0002	0.0293	0.0211	1.4499	2.8074	4.3080
35 mph	(0.0002)	(0.0000)	(0.0000)	0.0011	0.1639	0.1156	3.2463	5.8125	9.3391
45 mph	(0.0004)	(0.0000)	(0.0001)	0.0021	0.3486	0.2419	3.0969	5.2618	8.9508
55 mph	(0.0003)	(0.0000)	(0.0001)	0.0016	0.3054	0.2099	0.8958	1.3893	2.8016
65 mph	(0.0010)	(0.0001)	(0.0002)	0.0048	1.0657	0.7183	16.5338	26.8910	45.2124
total	(0.0019)	(0.0001)	(0.0003)	0.0100	1.9128	1.3068	25.2227	42.1620	70.6119

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2885	0.2175	0.3265	1.4834	2.3160
15 mph	0.0089	0.0002	0.0024	0.0019	0.1348	0.1007	0.9461	1.6601	2.8551
25 mph	-	-	-	-	0.0501	0.0361	1.5510	3.0032	4.6404
35 mph	0.0067	0.0004	0.0014	0.0016	-	-	-	-	0.0101
total	0.0156	0.0006	0.0038	0.0035	0.4734	0.3543	2.8236	6.1467	9.8215

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2885	0.2175	0.3265	1.4834	2.3160
15 mph	0.0207	0.0006	0.0055	0.0076	0.4970	0.3714	3.3449	5.8695	10.1172
25 mph	0.0136	0.0007	0.0029	0.0057	0.5570	0.4011	6.3451	12.2858	19.6119
35 mph	0.0167	0.0010	0.0036	0.0069	0.5604	0.3952	5.4200	9.7046	16.1084
45 mph	0.0011	0.0001	0.0002	0.0027	0.4092	0.2840	3.8944	6.6169	11.2086
55 mph	0.0014	0.0001	0.0003	0.0022	0.3811	0.2619	1.5456	2.3971	4.5897
65 mph	0.0001	0.0000	0.0000	0.0052	1.1179	0.7535	16.6920	27.1482	45.7169
total	0.0537	0.0024	0.0125	0.0303	3.8111	2.6846	37.5686	65.5054	109.6686

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	0.2488	0.2488
25 mph	-	-	-	-	-	-	-	0.4424	0.4424
35 mph	-	-	-	-	-	-	-	0.2563	0.2563
45 mph	-	-	-	-	-	-	-	0.0802	0.0802
55 mph	-	-	-	-	-	-	-	-	-
65 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	1.0277	1.0277

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
25 mph	-	-	-	-	-	-	-	0.1918	0.1918
35 mph	-	-	-	-	-	-	-	0.3828	0.3828
45 mph	-	-	-	-	-	-	-	0.3115	0.3115
55 mph	-	-	-	-	-	-	-	-	-
65 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	0.8861	0.8861

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	0.0036	0.0036
15 mph	-	-	-	-	-	-	-	0.0981	0.0981
25 mph	-	-	-	-	-	-	-	0.2052	0.2052
35 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	0.3069	0.3069

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	0.0036	0.0036
15 mph	-	-	-	-	-	-	-	0.3469	0.3469
25 mph	-	-	-	-	-	-	-	0.8393	0.8393
35 mph	-	-	-	-	-	-	-	0.6392	0.6392
45 mph	-	-	-	-	-	-	-	0.3917	0.3917
55 mph	-	-	-	-	-	-	-	-	-
65 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	2.2208	2.2208

ROG Emissions

EMFAC2017 RUNLOSS Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3464	1.0748	0.5851	0.6415	1.0230	0.9642	0.5424	1.1776
Electric	0.0049	0.0049	0.0049	0.0049	-	-	-	-

RUNLOSS Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.2350	0.5209	1.4097	3.8398	2.3891	0.7165	0.5806	0.0106
Electric	0.0005	0.0000	0.0001	0.0001	-	-	-	-
Total	**2.2354**	**0.5209**	**1.4098**	**3.8399**	**2.3891**	**0.7165**	**0.5806**	**0.0106**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.5631	1.3300	0.7710	0.9052	0.1014	0.0908	0.0736	0.1629
Electric	0.0312	0.0309	0.0312	0.0313	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.8165	0.3223	0.9287	2.7092	0.1184	0.0337	0.0394	0.0007
Electric	0.0014	0.0000	0.0002	0.0002	-	-	-	-
Total	**1.8180**	**0.3223**	**0.9289**	**2.7094**	**0.1184**	**0.0337**	**0.0394**	**0.0007**

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2724	0.4482	0.3765	0.4969	0.1393	0.1378	0.2195	0.0014
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.7574	0.2172	0.9071	2.9744	0.3254	0.1024	0.2350	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	1.7574	0.2172	0.9071	2.9744	0.3254	0.1024	0.2350	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.1780	1.1411	2.1270	1.5035	7.9495
15 mph	1.0889	0.2175	0.6422	0.5417	0.7867	0.4403	3.6057	6.2345	13.5576
25 mph	1.1294	0.2364	0.6756	0.8057	1.0387	0.5118	7.0375	13.1765	24.6116
35 mph	1.3829	0.3028	0.8364	0.9828	1.0277	0.4984	5.9646	10.3881	21.3837
45 mph	0.0935	0.0206	0.0567	0.4248	0.7555	0.3584	4.3221	7.0444	13.0761
55 mph	0.1292	0.0285	0.0780	0.4141	0.7243	0.3345	1.7348	2.4122	5.8556
65 mph	0.0106	0.0023	0.0063	1.0607	2.1279	0.9667	19.1435	27.3350	50.6530
RUNLOSS	2.2354	0.5209	1.4098	3.8399	2.3891	0.7165	0.5806	0.0106	11.7029
RESTLOSS DIU	1.8180	0.3223	0.9289	2.7094	0.1184	0.0337	0.0394	0.0007	5.9709
STREX	1.7574	0.2172	0.9071	2.9744	0.3254	0.1024	0.2350	0.0000	6.5191
total	9.6454	1.8686	5.5410	13.7536	12.4717	5.1038	44.7904	68.1056	**161.2800**

World Logistics Center
Mobile Emissions - 2020 Buildout (Net) - Unmitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.6513	1.6581	2.3853	38.4707
15 mph	0.0694	0.2076	0.1484	0.1983	0.3085	0.3305	0.8005	6.2917
25 mph	0.0561	0.1634	0.1179	0.1610	0.2620	0.2738	0.6335	5.4757
35 mph	0.0484	0.1422	0.1012	0.1400	0.2395	0.2415	0.5327	5.1715
45 mph	0.0449	0.1344	0.0945	0.1326	0.2303	0.2265	0.4933	5.0442
55 mph	0.0452	0.1414	0.0967	0.1365	0.2395	0.2309	0.5200	5.1758
65 mph	0.0493	0.1647	0.1080	0.1517	0.2644	0.2539	0.5822	5.5457

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					64.5354	64.7191	68.6861	34.9892
15 mph	0.1390	0.9568	0.0970	0.1038	1.5754	1.4476	5.8240	9.8384
25 mph	0.1061	1.0407	0.0588	0.0679	1.6176	1.4581	3.9567	6.2046
35 mph	0.0982	1.1424	0.0495	0.0615	1.8332	1.6104	3.0483	4.6041
45 mph	0.0991	1.2414	0.0460	0.0592	2.0295	1.7632	2.5600	3.6090
55 mph	0.1030	1.3454	0.0455	0.0597	2.1982	1.9153	2.5617	3.4093
65 mph	0.1066	1.4578	0.0472	0.0636	2.5077	2.1620	2.9001	3.8734

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								40.1254
15 mph								5.0908
25 mph								3.5706
35 mph								3.0730
45 mph								2.7808
55 mph								-
65 mph								-

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	1.1228	0.2524	0.8965	0.8416	0.6362	0.2169	0.6651	0.0441	4.6755
25 mph	3.2299	0.7060	2.5321	2.4293	1.9210	0.6388	2.0396	0.1487	13.6453
35 mph	3.3082	0.7297	2.5808	2.5083	2.0854	0.6690	1.6598	0.1359	13.6772
45 mph	0.5656	0.1271	0.4439	0.4376	0.3694	0.1156	0.7685	0.0663	2.8940
55 mph	0.7315	0.1719	0.5841	0.5793	0.4937	0.1515	0.7021	0.0590	3.4731
65 mph	0.4435	0.1112	0.3624	0.3577	0.3029	0.0926	0.1814	0.0146	1.8663
total	9.4016	2.0983	7.3998	7.1538	5.8086	1.8842	6.0165	0.4686	40.2314

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
25 mph	(0.0087)	(0.0019)	(0.0068)	0.0988	0.1178	0.0392	0.8843	0.0645	1.1873
35 mph	(0.0599)	(0.0132)	(0.0468)	0.6876	0.8618	0.2765	2.4788	0.2030	4.3877
45 mph	(0.1426)	(0.0320)	(0.1119)	1.6685	2.1234	0.6645	2.9841	0.2574	7.4115
55 mph	(0.1294)	(0.0304)	(0.1033)	1.5505	1.9922	0.6112	0.9679	0.0813	4.9400
65 mph	(0.3970)	(0.0995)	(0.3244)	4.8438	6.1832	1.8897	18.9625	1.5239	32.5823
total	(0.7376)	(0.1771)	(0.5931)	8.8492	11.2785	3.4811	26.2776	2.1302	50.5087

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2523	0.0806	0.1603	0.0298	0.5230
15 mph	0.8557	0.1923	0.6832	0.2720	0.2367	0.0807	0.2623	0.0174	2.6002
25 mph	-	-	-	-	0.2017	0.0671	0.9460	0.0690	1.2837
35 mph	2.1461	0.4734	1.6742	0.9932	-	-	-	-	5.2869
total	3.0018	0.6657	2.3574	1.2652	0.6906	0.2283	1.3686	0.1162	9.6938

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2523	0.0806	0.1603	0.0298	0.5230
15 mph	1.9785	0.4447	1.5797	1.1136	0.8728	0.2976	0.9274	0.0615	7.2757
25 mph	3.2212	0.7041	2.5253	2.5281	2.2405	0.7450	3.8699	0.2822	16.1163
35 mph	5.3945	1.1899	4.2082	4.1891	2.9472	0.9454	4.1385	0.3390	23.3518
45 mph	0.4231	0.0951	0.3320	2.1060	2.4928	0.7801	3.7526	0.3237	10.3055
55 mph	0.6021	0.1415	0.4808	2.1298	2.4860	0.7627	1.6700	0.1402	8.4131
65 mph	0.0466	0.0117	0.0380	5.2015	6.4861	1.9823	19.1439	1.5385	34.4486
total	11.6658	2.5869	9.1640	17.2681	17.7777	5.5937	33.6627	2.7149	100.4339

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	0.0181	0.0008	0.0031	0.0078	1.9333	1.3394	22.9559	74.7739	101.0323
25 mph	0.0493	0.0029	0.0066	0.0181	7.0580	4.7966	60.4333	182.7305	255.0954
35 mph	0.0541	0.0038	0.0066	0.0195	9.4985	6.2912	45.0578	131.2210	192.1526
45 mph	0.0101	0.0008	0.0011	0.0035	1.9372	1.2688	18.9199	51.4303	73.5716
55 mph	0.0135	0.0011	0.0014	0.0045	2.6976	1.7721	16.4079	42.1059	63.0039
65 mph	0.0077	0.0006	0.0008	0.0027	1.7097	1.1113	4.2866	11.0396	18.1590
total	0.1528	0.0099	0.0198	0.0560	24.8342	16.5794	168.0615	493.3012	703.0149

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
25 mph	(0.0001)	(0.0000)	(0.0000)	0.0007	0.4330	0.2942	26.2022	79.2269	106.1568
35 mph	(0.0010)	(0.0001)	(0.0001)	0.0053	3.9253	2.5999	67.2900	195.9675	269.7869
45 mph	(0.0025)	(0.0002)	(0.0003)	0.0132	11.1361	7.2940	73.4638	199.6975	291.6015
55 mph	(0.0024)	(0.0002)	(0.0003)	0.0120	10.8846	7.1504	22.6189	58.0445	98.7076
65 mph	(0.0069)	(0.0006)	(0.0007)	0.0359	34.9028	22.6873	448.1182	1,154.0669	1,659.8028
total	(0.0130)	(0.0010)	(0.0014)	0.0671	61.2818	40.0257	637.6931	1,687.0033	2,426.0557

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	5.8680	4.4367	21.9035	21.5144	53.7227
15 mph	0.0138	0.0006	0.0023	0.0025	0.7192	0.4983	9.0535	29.4897	39.7799
25 mph	-	-	-	-	0.7410	0.5036	28.0288	84.7499	114.0234
35 mph	0.0351	0.0025	0.0043	0.0077	-	-	-	-	0.0496
total	0.0489	0.0030	0.0067	0.0102	7.3282	5.4386	58.9858	135.7541	207.5756

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	5.8680	4.4367	21.9035	21.5144	53.7227
15 mph	0.0320	0.0013	0.0054	0.0103	2.6525	1.8376	32.0094	104.2637	140.8122
25 mph	0.0491	0.0029	0.0066	0.0189	8.2320	5.5945	114.6644	346.7073	475.2756
35 mph	0.0883	0.0062	0.0108	0.0325	13.4238	8.8911	112.3478	327.1886	461.9891
45 mph	0.0075	0.0006	0.0008	0.0166	13.0732	8.5628	92.3837	251.1278	365.1731
55 mph	0.0111	0.0009	0.0012	0.0165	13.5822	8.9225	39.0268	100.1504	161.7115
65 mph	0.0008	0.0001	0.0001	0.0385	36.6125	23.7986	452.4048	1,165.1065	1,677.9618
total	0.1888	0.0119	0.0250	0.1334	93.4442	62.0437	864.7405	2,316.0586	3,336.6461

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	1.7851	1.7851
25 mph	-	-	-	-	-	-	-	4.8518	4.8518
35 mph	-	-	-	-	-	-	-	4.0409	4.0409
45 mph	-	-	-	-	-	-	-	1.8283	1.8283
55 mph	-	-	-	-	-	-	-	-	-
65 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	12.5062	12.5062

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
25 mph	-	-	-	-	-	-	-	2.1036	2.1036
35 mph	-	-	-	-	-	-	-	6.0347	6.0347
45 mph	-	-	-	-	-	-	-	7.0992	7.0992
55 mph	-	-	-	-	-	-	-	-	-
65 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	15.2376	15.2376

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	1.1384	1.1384
15 mph	-	-	-	-	-	-	-	0.7040	0.7040
25 mph	-	-	-	-	-	-	-	2.2503	2.2503
35 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	4.0926	4.0926

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	1.1384	1.1384
15 mph	-	-	-	-	-	-	-	2.4892	2.4892
25 mph	-	-	-	-	-	-	-	9.2057	9.2057
35 mph	-	-	-	-	-	-	-	10.0756	10.0756
45 mph	-	-	-	-	-	-	-	8.9275	8.9275
55 mph	-	-	-	-	-	-	-	-	-
65 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	31.8364	31.8364

NOX Emissions

Total NOX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	6.1203	4.5173	22.0639	22.6826	55.3840
15 mph	2.0105	0.4460	1.5851	1.1239	3.5253	2.1352	32.9368	106.8143	150.5771
25 mph	3.2703	0.7070	2.5319	2.5470	10.4725	6.3395	118.5342	356.1952	500.5976
35 mph	5.4827	1.1961	4.2190	4.2216	16.3710	9.8365	116.4864	337.6032	495.4165
45 mph	0.4306	0.0956	0.3329	2.1227	15.5660	9.3430	96.1364	260.3790	384.4062
55 mph	0.6132	0.1424	0.4820	2.1463	16.0682	9.6851	40.6968	100.2906	170.1246
65 mph	0.0474	0.0117	0.0381	5.2401	43.0986	25.7808	471.5487	1,166.6450	1,712.4104
STREX	1.3654	0.1496	0.8293	2.5693	1.2776	0.4135	7.0005	17.8586	31.4636
total	13.2201	2.7484	10.0182	19.9708	112.4994	68.0509	905.4037	2,368.4685	**3,500.3800**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2116	0.3086	0.3442	0.4292	0.5470	0.5564	0.3692	0.8349
Diesel	-	-	-	-	-	-	1.3006	1.8230
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.3654	0.1496	0.8293	2.5693	1.2776	0.4135	0.3953	0.0075
Diesel	-	-	-	-	-	-	6.6052	17.8511
Electric/NG	-	-	-	-	-	-	-	-
Total	1.3654	0.1496	0.8293	2.5693	1.2776	0.4135	7.0005	17.8586

World Logistics Center
Mobile Emissions - 2020 Buildout (Net) - Unmitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					153.7101	154.0097	383.6679	398.9145
15 mph	1.2086	2.5948	1.7223	2.2989	1.6467	1.2071	3.3877	60.7362
25 mph	1.0017	2.0843	1.4097	1.8092	1.1735	0.9086	2.6342	47.4153
35 mph	0.8392	1.7473	1.1761	1.4850	0.9497	0.7347	2.1121	39.5079
45 mph	0.7278	1.5281	1.0226	1.3087	0.8780	0.6559	1.8341	35.0703
55 mph	0.6362	1.3814	0.9021	1.2118	0.9348	0.6479	1.7573	33.3297
65 mph	0.5455	1.2577	0.7860	1.1701	1.1820	0.7359	1.7696	34.9410

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	19.2216	31.1387
15 mph	1.2836	2.0510	0.7933	1.2827	1.1300	1.1272	1.2991	1.7550
25 mph	0.3459	1.2544	0.1982	0.3177	0.4717	0.4480	0.6930	0.8794
35 mph	0.2197	1.0170	0.1230	0.1983	0.3635	0.3363	0.5166	0.5650
45 mph	0.1689	0.9990	0.0906	0.1450	0.3413	0.3093	0.4223	0.3951
55 mph	0.1527	1.2089	0.0767	0.1205	0.3878	0.3474	0.4138	0.3265
65 mph	0.1764	1.8231	0.0835	0.1296	0.5825	0.5118	0.4349	0.3824

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								31.1387
15 mph								22.8855
25 mph								12.1323
35 mph								6.6089
45 mph								3.6107
55 mph								-
65 mph								-

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	19.5569	3.1543	10.4070	9.7556	3.3954	0.7920	2.8147	0.4257	50.3016
25 mph	57.6325	9.0085	30.2860	27.2988	8.6033	2.1197	8.4810	1.2879	144.7177
35 mph	57.3367	8.9679	30.0069	26.6070	8.2682	2.0352	6.5807	1.0385	140.8410
45 mph	9.1604	1.4447	4.8058	4.3196	1.4081	0.3347	2.8572	0.4609	24.7916
55 mph	10.2948	1.6792	5.4510	5.1423	1.9274	0.4251	2.3726	0.3797	27.6720
65 mph	4.9043	0.8494	2.6385	2.7586	1.3540	0.2683	0.5514	0.0918	13.4161
total	158.8854	25.1040	83.5952	75.8819	24.9563	5.9750	23.6576	3.6846	401.7401

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
25 mph	(0.1550)	(0.0242)	(0.0814)	1.1107	0.5277	0.1300	3.6771	0.5584	5.7434
35 mph	(1.0388)	(0.1625)	(0.5437)	7.2933	3.4169	0.8411	9.8277	1.5509	21.1849
45 mph	(2.3087)	(0.3641)	(1.2112)	16.4712	8.0949	1.9242	11.0943	1.7898	35.4904
55 mph	(1.8211)	(0.2971)	(0.9643)	13.7629	7.7770	1.7152	3.2707	0.5234	23.9668
65 mph	(4.3894)	(0.7602)	(2.3615)	37.3541	27.6410	5.4764	57.6388	9.6017	130.2010
total	(9.7130)	(1.6081)	(5.1621)	75.9923	47.4576	10.0869	85.5087	14.0242	216.5865

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	23.4832	7.4870	25.7902	0.3088	57.0692
15 mph	14.9037	2.4038	7.9309	3.1529	1.2631	0.2946	1.1101	0.1679	31.2269
25 mph	-	-	-	-	0.9033	0.2226	3.9335	0.5973	5.6566
35 mph	37.1958	5.8177	19.4662	10.5352	-	-	-	-	73.0149
total	52.0995	8.2215	27.3971	13.6880	25.6495	8.0042	30.8338	1.0740	166.9676

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	23.4832	7.4870	25.7902	0.3088	57.0692
15 mph	34.4605	5.5580	18.3379	12.9085	4.6585	1.0866	3.9248	0.5937	81.5284
25 mph	57.4775	8.9843	30.2046	28.4095	10.0343	2.4723	16.0917	2.4437	156.1178
35 mph	93.4937	14.6231	48.9295	44.4355	11.6851	2.8763	16.4083	2.5895	235.0409
45 mph	6.8517	1.0806	3.5946	20.7909	9.5030	2.2589	13.9516	2.2507	60.2820
55 mph	8.4736	1.3822	4.4867	18.9052	9.7045	2.1403	5.6433	0.9030	51.6389
65 mph	0.5149	0.0892	0.2770	40.1127	28.9950	5.7447	58.1902	9.6935	143.6171
total	201.2718	31.7174	105.8302	165.5623	98.0634	24.0661	140.0001	18.7828	785.2942

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	0.1676	0.0016	0.0252	0.0963	1.3868	1.0429	5.1207	13.3386	21.1797
25 mph	0.1606	0.0035	0.0224	0.0848	2.0581	1.4740	10.5843	25.8992	40.2870
35 mph	0.1211	0.0034	0.0165	0.0629	1.8834	1.3138	7.6363	16.1018	27.1391
45 mph	0.0172	0.0006	0.0022	0.0085	0.3257	0.2226	3.1210	5.6303	9.3281
55 mph	0.0199	0.0010	0.0024	0.0090	0.4759	0.3215	2.6506	4.0329	7.5133
65 mph	0.0128	0.0008	0.0015	0.0054	0.3971	0.2631	0.6428	1.0898	2.4133
total	0.4993	0.0109	0.0702	0.2669	6.5270	4.6378	29.7559	66.0926	107.8605

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
25 mph	(0.0004)	(0.0000)	(0.0001)	0.0035	0.1263	0.0904	4.5891	11.2292	16.0379
35 mph	(0.0022)	(0.0001)	(0.0003)	0.0172	0.7783	0.5429	11.4042	24.0467	36.7868
45 mph	(0.0043)	(0.0002)	(0.0006)	0.0323	1.8726	1.2796	12.1186	21.8618	37.1598
55 mph	(0.0035)	(0.0002)	(0.0004)	0.0242	1.9204	1.2971	3.6540	5.5594	12.4510
65 mph	(0.0115)	(0.0007)	(0.0013)	0.0732	8.1070	5.3708	67.1963	113.9277	194.6614
total	(0.0219)	(0.0011)	(0.0027)	0.1504	12.8045	8.5808	98.9622	176.6248	297.0970

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.3914	1.8030	6.1296	19.1468	29.4707
15 mph	0.1277	0.0012	0.0192	0.0311	0.5159	0.3880	2.0195	5.2605	8.3632
25 mph	-	-	-	-	0.2161	0.1548	4.9090	12.0120	17.2918
35 mph	0.0786	0.0022	0.0107	0.0249	-	-	-	-	0.1164
total	0.2063	0.0034	0.0299	0.0560	3.1233	2.3457	13.0582	36.4193	55.2422

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.3914	1.8030	6.1296	19.1468	29.4707
15 mph	0.2954	0.0028	0.0444	0.1274	1.9027	1.4308	7.1403	18.5991	29.5429
25 mph	0.1602	0.0035	0.0223	0.0883	2.4005	1.7191	20.0824	49.1404	73.6167
35 mph	0.1975	0.0055	0.0269	0.1050	2.6617	1.8567	19.0405	40.1485	64.0423
45 mph	0.0128	0.0005	0.0017	0.0407	2.1984	1.5022	15.2396	27.4921	46.4880
55 mph	0.0164	0.0008	0.0020	0.0333	2.3963	1.6186	6.3047	9.5923	19.9643
65 mph	0.0013	0.0001	0.0002	0.0786	8.5041	5.6339	67.8390	115.0175	197.0747
total	0.6837	0.0132	0.0974	0.4733	22.4549	15.5643	141.7762	279.1367	460.1996

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	8.0250	8.0250
25 mph	-	-	-	-	-	-	-	16.4855	16.4855
35 mph	-	-	-	-	-	-	-	8.6905	8.6905
45 mph	-	-	-	-	-	-	-	2.3740	2.3740
55 mph	-	-	-	-	-	-	-	-	-
65 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	35.5750	35.5750

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
25 mph	-	-	-	-	-	-	-	7.1477	7.1477
35 mph	-	-	-	-	-	-	-	12.9785	12.9785
45 mph	-	-	-	-	-	-	-	9.2180	9.2180
55 mph	-	-	-	-	-	-	-	-	-
65 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	29.3441	29.3441

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	0.8834	0.8834
15 mph	-	-	-	-	-	-	-	3.1650	3.1650
25 mph	-	-	-	-	-	-	-	7.6459	7.6459
35 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	11.6943	11.6943

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	0.8834	0.8834
15 mph	-	-	-	-	-	-	-	11.1900	11.1900
25 mph	-	-	-	-	-	-	-	31.2791	31.2791
35 mph	-	-	-	-	-	-	-	21.6690	21.6690
45 mph	-	-	-	-	-	-	-	11.5920	11.5920
55 mph	-	-	-	-	-	-	-	-	-
65 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	76.6135	76.6135

CO Emissions

Total CO Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	25.8746	9.2900	31.9199	20.3390	87.4233
15 mph	34.7559	5.5609	18.3822	13.0359	6.5611	2.5175	11.0651	30.3828	122.2614
25 mph	57.6377	8.9878	30.2269	28.4978	12.4347	4.1914	36.1741	82.8632	261.0136
35 mph	93.6912	14.6286	48.9563	44.5405	14.3467	4.7330	35.4489	64.4069	320.7521
45 mph	6.8645	1.0811	3.5963	20.8316	11.7014	3.7611	29.1912	41.3347	118.3619
55 mph	8.4900	1.3830	4.4887	18.9385	12.1008	3.7589	11.9480	10.4953	71.6031
65 mph	0.5162	0.0893	0.2771	40.1913	37.4991	11.3785	126.0292	124.7110	340.6918
STREX	14.6503	1.1961	6.9492	21.0764	4.2021	1.3297	5.1230	0.0475	54.5742
total	216.6058	32.9266	112.8768	187.1120	124.7205	40.9600	286.8993	374.5804	**1,376.6815**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.2708	2.4679	2.8845	3.5212	1.7993	1.7892	4.7856	5.2571
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	14.6503	1.1961	6.9492	21.0764	4.2021	1.3297	5.1230	0.0475
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	14.6503	1.1961	6.9492	21.0764	4.2021	1.3297	5.1230	0.0475

World Logistics Center
Mobile Emissions - 2020 Buildout (Net) - Unmitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0498	0.0575	0.1468	0.2534
15 mph	0.0044	0.0050	0.0055	0.0068	0.0126	0.0145	0.0266	0.0338
25 mph	0.0031	0.0036	0.0039	0.0048	0.0090	0.0103	0.0189	0.0240
35 mph	0.0025	0.0030	0.0032	0.0040	0.0074	0.0085	0.0155	0.0198
45 mph	0.0025	0.0029	0.0032	0.0039	0.0072	0.0082	0.0151	0.0191
55 mph	0.0027	0.0031	0.0034	0.0041	0.0077	0.0088	0.0162	0.0205
65 mph	0.0028	0.0033	0.0036	0.0044	0.0082	0.0095	0.0173	0.0220

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0371	0.0595	0.0643	0.0589
15 mph	0.0035	0.0073	0.0048	0.0061	0.0063	0.0072	0.0155	0.0247
25 mph	0.0024	0.0050	0.0033	0.0043	0.0048	0.0055	0.0116	0.0174
35 mph	0.0019	0.0039	0.0026	0.0034	0.0043	0.0049	0.0094	0.0144
45 mph	0.0017	0.0035	0.0023	0.0030	0.0041	0.0046	0.0083	0.0125
55 mph	0.0018	0.0036	0.0024	0.0032	0.0045	0.0049	0.0082	0.0121
65 mph	0.0022	0.0044	0.0029	0.0039	0.0046	0.0050	0.0092	0.0133

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
15 mph								-
25 mph								-
35 mph								-
45 mph								-
55 mph								-
65 mph								-

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	0.0705	0.0061	0.0334	0.0287	0.0260	0.0095	0.0221	0.0002	0.1966
25 mph	0.1782	0.0155	0.0845	0.0726	0.0658	0.0240	0.0608	0.0007	0.5020
35 mph	0.1741	0.0152	0.0826	0.0711	0.0643	0.0235	0.0484	0.0005	0.4797
45 mph	0.0313	0.0027	0.0148	0.0128	0.0115	0.0042	0.0235	0.0003	0.1010
55 mph	0.0430	0.0037	0.0204	0.0176	0.0159	0.0058	0.0218	0.0002	0.1284
65 mph	0.0252	0.0022	0.0120	0.0104	0.0094	0.0034	0.0054	0.0001	0.0682
total	0.5223	0.0455	0.2477	0.2131	0.1929	0.0705	0.1820	0.0020	1.4759

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
25 mph	(0.0005)	(0.0000)	(0.0002)	0.0030	0.0040	0.0015	0.0264	0.0003	0.0344
35 mph	(0.0032)	(0.0003)	(0.0015)	0.0195	0.0266	0.0097	0.0723	0.0008	0.1239
45 mph	(0.0079)	(0.0007)	(0.0037)	0.0486	0.0661	0.0242	0.0912	0.0010	0.2189
55 mph	(0.0076)	(0.0007)	(0.0036)	0.0471	0.0640	0.0234	0.0301	0.0003	0.1529
65 mph	(0.0226)	(0.0020)	(0.0107)	0.1405	0.1929	0.0704	0.5641	0.0060	0.9386
total	(0.0417)	(0.0036)	(0.0198)	0.2586	0.3536	0.1291	0.7840	0.0084	1.4686

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0076	0.0028	0.0099	0.0002	0.0205
15 mph	0.0537	0.0047	0.0255	0.0093	0.0097	0.0035	0.0087	0.0001	0.1152
25 mph	-	-	-	-	0.0069	0.0025	0.0282	0.0003	0.0379
35 mph	0.1129	0.0098	0.0536	0.0282	-	-	-	-	0.2045
total	0.1667	0.0145	0.0791	0.0374	0.0242	0.0089	0.0468	0.0006	0.3781

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0076	0.0028	0.0099	0.0002	0.0205
15 mph	0.1242	0.0108	0.0589	0.0380	0.0357	0.0130	0.0308	0.0003	0.3118
25 mph	0.1777	0.0155	0.0843	0.0755	0.0767	0.0280	0.1153	0.0012	0.5743
35 mph	0.2839	0.0248	0.1347	0.1188	0.0909	0.0332	0.1206	0.0013	0.8081
45 mph	0.0234	0.0020	0.0111	0.0614	0.0777	0.0284	0.1147	0.0012	0.3199
55 mph	0.0354	0.0031	0.0168	0.0646	0.0798	0.0292	0.0519	0.0006	0.2813
65 mph	0.0026	0.0002	0.0013	0.1509	0.2024	0.0738	0.5695	0.0061	1.0068
total	0.6472	0.0564	0.3070	0.5092	0.5708	0.2084	1.0127	0.0109	3.3226

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	0.0005	0.0000	0.0002	0.0005	0.0077	0.0066	0.0610	0.1877	0.2642
25 mph	0.0011	0.0000	0.0004	0.0011	0.0208	0.0180	0.1769	0.5129	0.7312
35 mph	0.0010	0.0000	0.0003	0.0011	0.0225	0.0193	0.1388	0.4098	0.5929
45 mph	0.0002	0.0000	0.0001	0.0002	0.0039	0.0033	0.0612	0.1775	0.2463
55 mph	0.0002	0.0000	0.0001	0.0002	0.0056	0.0046	0.0528	0.1495	0.2129
65 mph	0.0002	0.0000	0.0001	0.0002	0.0032	0.0026	0.0136	0.0380	0.0577
total	0.0032	0.0000	0.0010	0.0032	0.0637	0.0544	0.5043	1.4754	2.1053

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
25 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0013	0.0011	0.0767	0.2224	0.3015
35 mph	(0.0000)	(0.0000)	(0.0000)	0.0003	0.0093	0.0080	0.2074	0.6120	0.8369
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0007	0.0227	0.0190	0.2376	0.6890	0.9689
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0006	0.0224	0.0184	0.0727	0.2061	0.3202
65 mph	(0.0001)	(0.0000)	(0.0000)	0.0022	0.0646	0.0521	1.4239	3.9757	5.5184
total	(0.0002)	(0.0000)	(0.0001)	0.0039	0.1203	0.0986	2.0183	5.7052	7.9459

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0034	0.0041	0.0205	0.0362	0.0642
15 mph	0.0003	0.0000	0.0001	0.0001	0.0029	0.0025	0.0241	0.0740	0.1041
25 mph	-	-	-	-	0.0022	0.0019	0.0820	0.2379	0.3240
35 mph	0.0007	0.0000	0.0002	0.0004	-	-	-	-	0.0013
total	0.0010	0.0000	0.0003	0.0006	0.0084	0.0084	0.1266	0.3481	0.4935

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0034	0.0041	0.0205	0.0362	0.0642
15 mph	0.0008	0.0000	0.0003	0.0006	0.0106	0.0091	0.0851	0.2617	0.3682
25 mph	0.0011	0.0000	0.0004	0.0012	0.0243	0.0210	0.3356	0.9732	1.3567
35 mph	0.0017	0.0000	0.0006	0.0018	0.0318	0.0273	0.3462	1.0218	1.4311
45 mph	0.0001	0.0000	0.0000	0.0009	0.0266	0.0223	0.2988	0.8665	1.2152
55 mph	0.0002	0.0000	0.0001	0.0009	0.0280	0.0229	0.1255	0.3555	0.5331
65 mph	0.0000	0.0000	0.0000	0.0024	0.0678	0.0547	1.4375	4.0137	5.5761
total	0.0039	0.0000	0.0013	0.0077	0.1924	0.1614	2.6492	7.5287	10.5447

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
25 mph	-	-	-	-	-	-	-	-	-
35 mph	-	-	-	-	-	-	-	-	-
45 mph	-	-	-	-	-	-	-	-	-
55 mph	-	-	-	-	-	-	-	-	-
65 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
25 mph	-	-	-	-	-	-	-	-	-
35 mph	-	-	-	-	-	-	-	-	-
45 mph	-	-	-	-	-	-	-	-	-
55 mph	-	-	-	-	-	-	-	-	-
65 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
25 mph	-	-	-	-	-	-	-	-	-
35 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
25 mph	-	-	-	-	-	-	-	-	-
35 mph	-	-	-	-	-	-	-	-	-
45 mph	-	-	-	-	-	-	-	-	-
55 mph	-	-	-	-	-	-	-	-	-
65 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0110	0.0069	0.0304	0.0364	0.0846
15 mph	0.1250	0.0108	0.0592	0.0386	0.0463	0.0222	0.1158	0.2621	0.6800
25 mph	0.1788	0.0155	0.0846	0.0767	0.1010	0.0490	0.4509	0.9745	1.9310
35 mph	0.2855	0.0248	0.1352	0.1206	0.1227	0.0605	0.4668	1.0230	2.2392
45 mph	0.0235	0.0020	0.0111	0.0623	0.1043	0.0506	0.4135	0.8677	1.5351
55 mph	0.0356	0.0031	0.0168	0.0655	0.1078	0.0521	0.1774	0.3561	0.8144
65 mph	0.0027	0.0002	0.0013	0.1532	0.2701	0.1285	2.0070	4.0198	6.5829
Strex	0.0037	0.0003	0.0018	0.0055	0.0004	0.0002	0.0004	0.0000	0.0123
total	0.6548	0.0568	0.3100	0.5223	0.7637	0.3700	3.6623	7.5397	**13.8796**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0006	0.0007	0.0007	0.0009	0.0002	0.0002	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0037	0.0003	0.0018	0.0055	0.0004	0.0002	0.0004	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0037	0.0003	0.0018	0.0055	0.0004	0.0002	0.0004	0.0000

World Logistics Center
Mobile Emissions - 2020 Buildout (Net) - Unmitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					-	-	-	0.0419
15 mph	0.0046	0.0072	0.0048	0.0052	0.0035	0.0032	0.0028	0.0038
25 mph	0.0024	0.0038	0.0025	0.0027	0.0019	0.0017	0.0015	0.0021
35 mph	0.0015	0.0024	0.0016	0.0017	0.0012	0.0011	0.0009	0.0014
45 mph	0.0012	0.0020	0.0013	0.0014	0.0010	0.0008	0.0007	0.0012
55 mph	0.0012	0.0019	0.0013	0.0013	0.0010	0.0008	0.0007	0.0012
65 mph	0.0014	0.0023	0.0015	0.0016	0.0012	0.0010	0.0009	0.0014

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.8028	0.8160	0.2530	0.0299
15 mph	0.0237	0.3021	0.0127	0.0116	0.0340	0.0348	0.1375	0.0691
25 mph	0.0148	0.1862	0.0084	0.0078	0.0220	0.0226	0.0822	0.0525
35 mph	0.0105	0.1411	0.0064	0.0060	0.0171	0.0174	0.0702	0.0456
45 mph	0.0090	0.1237	0.0056	0.0052	0.0151	0.0152	0.0743	0.0498
55 mph	0.0090	0.1300	0.0054	0.0049	0.0150	0.0150	0.0966	0.0636
65 mph	0.0101	0.1672	0.0060	0.0054	0.0182	0.0177	0.1084	0.0826

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0907
15 mph								0.0090
25 mph								0.0066
35 mph								0.0059
45 mph								0.0060
55 mph								-
65 mph								-

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	0.0744	0.0087	0.0293	0.0219	0.0073	0.0021	0.0024	0.0000	0.1461
25 mph	0.1374	0.0164	0.0540	0.0406	0.0136	0.0039	0.0047	0.0001	0.2706
35 mph	0.1044	0.0126	0.0409	0.0305	0.0104	0.0029	0.0029	0.0000	0.2047
45 mph	0.0153	0.0018	0.0060	0.0045	0.0015	0.0004	0.0012	0.0000	0.0307
55 mph	0.0193	0.0023	0.0076	0.0057	0.0020	0.0006	0.0010	0.0000	0.0384
65 mph	0.0130	0.0015	0.0051	0.0038	0.0014	0.0004	0.0003	0.0000	0.0253
total	0.3637	0.0433	0.1428	0.1070	0.0363	0.0103	0.0124	0.0002	0.7159

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
25 mph	(0.0004)	(0.0000)	(0.0001)	0.0017	0.0008	0.0002	0.0020	0.0000	0.0042
35 mph	(0.0019)	(0.0002)	(0.0007)	0.0084	0.0043	0.0012	0.0043	0.0001	0.0154
45 mph	(0.0038)	(0.0005)	(0.0015)	0.0171	0.0089	0.0025	0.0045	0.0001	0.0272
55 mph	(0.0034)	(0.0004)	(0.0013)	0.0152	0.0080	0.0022	0.0014	0.0000	0.0217
65 mph	(0.0116)	(0.0014)	(0.0045)	0.0511	0.0278	0.0077	0.0301	0.0004	0.0996
total	(0.0211)	(0.0025)	(0.0083)	0.0934	0.0499	0.0138	0.0423	0.0005	0.1681

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	0.0000	0.0000
15 mph	0.0567	0.0066	0.0223	0.0071	0.0027	0.0008	0.0009	0.0000	0.0972
25 mph	-	-	-	-	0.0014	0.0004	0.0022	0.0000	0.0040
35 mph	0.0677	0.0081	0.0265	0.0121	-	-	-	-	0.1145
total	0.1244	0.0148	0.0489	0.0192	0.0041	0.0012	0.0031	0.0001	0.2158

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	0.0000	0.0000
15 mph	0.1311	0.0153	0.0516	0.0290	0.0100	0.0029	0.0033	0.0000	0.2433
25 mph	0.1370	0.0163	0.0539	0.0422	0.0159	0.0045	0.0089	0.0001	0.2788
35 mph	0.1702	0.0205	0.0667	0.0510	0.0148	0.0041	0.0072	0.0001	0.3346
45 mph	0.0114	0.0014	0.0045	0.0216	0.0105	0.0029	0.0056	0.0001	0.0580
55 mph	0.0159	0.0019	0.0062	0.0209	0.0100	0.0028	0.0024	0.0000	0.0601
65 mph	0.0014	0.0002	0.0005	0.0548	0.0292	0.0081	0.0304	0.0004	0.1249
total	0.4671	0.0556	0.1834	0.2196	0.0903	0.0253	0.0578	0.0008	1.0998

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	0.0031	0.0002	0.0004	0.0009	0.0418	0.0322	0.5418	0.5252	1.1456
25 mph	0.0069	0.0005	0.0010	0.0021	0.0959	0.0742	1.2548	1.5466	2.9820
35 mph	0.0058	0.0005	0.0009	0.0019	0.0888	0.0679	1.0380	1.2992	2.5029
45 mph	0.0009	0.0001	0.0001	0.0003	0.0144	0.0109	0.5491	0.7104	1.2863
55 mph	0.0012	0.0001	0.0002	0.0004	0.0184	0.0138	0.6187	0.7857	1.4385
65 mph	0.0007	0.0001	0.0001	0.0002	0.0124	0.0091	0.1602	0.2354	0.4183
total	0.0185	0.0015	0.0026	0.0058	0.2717	0.2083	4.1626	5.1025	9.7735

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
25 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0059	0.0046	0.5441	0.6706	1.2251
35 mph	(0.0001)	(0.0000)	(0.0000)	0.0005	0.0367	0.0281	1.5502	1.9403	3.5556
45 mph	(0.0002)	(0.0000)	(0.0000)	0.0012	0.0828	0.0628	2.1321	2.7583	5.0369
55 mph	(0.0002)	(0.0000)	(0.0000)	0.0010	0.0742	0.0559	0.8529	1.0831	2.0669
65 mph	(0.0007)	(0.0001)	(0.0001)	0.0030	0.2540	0.1863	16.7461	24.6075	41.7961
total	(0.0012)	(0.0001)	(0.0002)	0.0058	0.4536	0.3376	21.8253	31.0598	53.6806

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0730	0.0559	0.0807	0.0184	0.2280
15 mph	0.0024	0.0002	0.0003	0.0003	0.0155	0.0120	0.2137	0.2071	0.4515
25 mph	-	-	-	-	0.0101	0.0078	0.5820	0.7173	1.3172
35 mph	0.0037	0.0003	0.0006	0.0008	-	-	-	-	0.0054
total	0.0061	0.0005	0.0009	0.0010	0.0986	0.0757	0.8763	0.9428	2.0020

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0730	0.0559	0.0807	0.0184	0.2280
15 mph	0.0055	0.0004	0.0007	0.0012	0.0573	0.0442	0.7555	0.7323	1.5971
25 mph	0.0068	0.0005	0.0009	0.0022	0.1118	0.0866	2.3809	2.9345	5.5243
35 mph	0.0094	0.0008	0.0014	0.0032	0.1254	0.0960	2.5882	3.2395	6.0639
45 mph	0.0007	0.0001	0.0001	0.0015	0.0972	0.0738	2.6812	3.4687	6.3232
55 mph	0.0010	0.0001	0.0001	0.0014	0.0926	0.0697	1.4716	1.8688	3.5053
65 mph	0.0001	0.0000	0.0000	0.0033	0.2664	0.1954	16.9063	24.8429	42.2144
total	0.0234	0.0019	0.0033	0.0126	0.8239	0.6216	26.8643	37.1051	65.4561

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	0.0031	0.0031
25 mph	-	-	-	-	-	-	-	0.0090	0.0090
35 mph	-	-	-	-	-	-	-	0.0078	0.0078
45 mph	-	-	-	-	-	-	-	0.0040	0.0040
55 mph	-	-	-	-	-	-	-	-	-
65 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	0.0239	0.0239

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
25 mph	-	-	-	-	-	-	-	0.0039	0.0039
35 mph	-	-	-	-	-	-	-	0.0117	0.0117
45 mph	-	-	-	-	-	-	-	0.0154	0.0154
55 mph	-	-	-	-	-	-	-	-	-
65 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	0.0310	0.0310

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	0.0026	0.0026
15 mph	-	-	-	-	-	-	-	0.0012	0.0012
25 mph	-	-	-	-	-	-	-	0.0042	0.0042
35 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	0.0080	0.0080

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	0.0026	0.0026
15 mph	-	-	-	-	-	-	-	0.0044	0.0044
25 mph	-	-	-	-	-	-	-	0.0171	0.0171
35 mph	-	-	-	-	-	-	-	0.0195	0.0195
45 mph	-	-	-	-	-	-	-	0.0194	0.0194
55 mph	-	-	-	-	-	-	-	-	-
65 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	0.0629	0.0629

PM10 Emissions

Total PM10 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0730	0.0559	0.0807	0.0210	0.2306
15 mph	0.1366	0.0157	0.0523	0.0302	0.0674	0.0471	0.7588	0.7368	1.8448
25 mph	0.1439	0.0168	0.0548	0.0444	0.1277	0.0911	2.3898	2.9516	5.8202
35 mph	0.1796	0.0213	0.0681	0.0542	0.1402	0.1001	2.5954	3.2591	6.4180
45 mph	0.0121	0.0014	0.0046	0.0231	0.1077	0.0767	2.6868	3.4882	6.4006
55 mph	0.0168	0.0020	0.0064	0.0222	0.1027	0.0725	1.4740	1.8688	3.5654
65 mph	0.0014	0.0002	0.0005	0.0581	0.2956	0.2035	16.9366	24.8433	42.3393
STREX	0.0135	0.0015	0.0050	0.0138	0.0011	0.0003	0.0005	0.0000	0.0357
total	0.5040	0.0589	0.1917	0.2460	0.9153	0.6471	26.9226	37.1688	**66.6545**

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0021	0.0031	0.0021	0.0023	0.0005	0.0004	0.0005	0.0012
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0135	0.0015	0.0050	0.0138	0.0011	0.0003	0.0005	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0135	0.0015	0.0050	0.0138	0.0011	0.0003	0.0005	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	8.0461	0.6044	3.0045	2.1100	1.9346	0.7085	1.4783	0.0072
Diesel	0.0649	0.0004	0.0158	0.0373	1.2059	1.0402	7.0131	9.1401
Electric/NG	0.1160	0.0022	0.0174	0.0054	-	-	-	0.4284
Total	8.2270	0.6070	3.0377	2.1528	3.1405	1.7486	8.4914	9.5757

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	(0.6924)	(0.0520)	(0.2586)	2.7473	3.7975	1.3907	6.6232	0.0321
Diesel	(0.0056)	(0.0000)	(0.0014)	0.0486	2.3672	2.0418	31.4205	40.9498
Electric/NG	(0.0100)	(0.0002)	(0.0015)	0.0070	-	-	-	1.9194
Total	(0.7080)	(0.0522)	(0.2614)	2.8030	6.1647	3.4325	38.0437	42.9013

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.5353	0.1905	0.9467	0.3789	0.1298	0.0475	0.2592	0.0013
Diesel	0.0205	0.0001	0.0050	0.0067	0.0809	0.0698	1.2296	1.6025
Electric/NG	0.0365	0.0007	0.0055	0.0010	-	-	-	0.0751
Total	2.5923	0.1913	0.9572	0.3865	0.2107	0.1173	1.4888	1.6789

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	9.8890	0.7429	3.6926	5.2362	5.8618	2.1467	8.3607	0.0405	35.9704
Diesel	0.0798	0.0005	0.0194	0.0926	3.6540	3.1518	39.6633	51.6923	98.3537
Electric	0.1426	0.0027	0.0214	0.0134	-	-	-	2.4230	2.6030
Total	10.1113	0.7460	3.7335	5.3422	9.5158	5.2984	48.0240	54.1558	**136.9271**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	55.9798
Internal	0.8958
Total	**56.8756**

World Logistics Center
Mobile Emissions - 2020 Buildout (Net) - Unmitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					-	-	-	0.0386
15 mph	0.0042	0.0066	0.0045	0.0048	0.0033	0.0029	0.0026	0.0035
25 mph	0.0022	0.0035	0.0023	0.0025	0.0017	0.0015	0.0013	0.0019
35 mph	0.0014	0.0023	0.0015	0.0016	0.0011	0.0010	0.0009	0.0013
45 mph	0.0011	0.0018	0.0012	0.0013	0.0009	0.0008	0.0007	0.0011
55 mph	0.0011	0.0018	0.0012	0.0012	0.0009	0.0008	0.0007	0.0011
65 mph	0.0013	0.0021	0.0014	0.0015	0.0011	0.0010	0.0008	0.0013

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7680	0.7807	0.2421	0.0286
15 mph	0.0227	0.2890	0.0122	0.0111	0.0326	0.0333	0.1315	0.0661
25 mph	0.0141	0.1782	0.0081	0.0075	0.0210	0.0216	0.0786	0.0502
35 mph	0.0100	0.1350	0.0061	0.0058	0.0164	0.0166	0.0672	0.0436
45 mph	0.0087	0.1183	0.0053	0.0050	0.0144	0.0145	0.0711	0.0477
55 mph	0.0086	0.1244	0.0052	0.0047	0.0143	0.0143	0.0924	0.0609
65 mph	0.0097	0.1600	0.0057	0.0051	0.0175	0.0170	0.1037	0.0790

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0868
15 mph								0.0086
25 mph								0.0063
35 mph								0.0057
45 mph								0.0058
55 mph								-
65 mph								-

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	0.0684	0.0080	0.0269	0.0202	0.0067	0.0019	0.0022	0.0000	0.1344
25 mph	0.1263	0.0150	0.0497	0.0374	0.0125	0.0036	0.0043	0.0001	0.2488
35 mph	0.0960	0.0116	0.0376	0.0281	0.0096	0.0027	0.0027	0.0000	0.1883
45 mph	0.0140	0.0017	0.0055	0.0041	0.0014	0.0004	0.0011	0.0000	0.0283
55 mph	0.0177	0.0021	0.0070	0.0052	0.0018	0.0005	0.0009	0.0000	0.0353
65 mph	0.0119	0.0014	0.0046	0.0035	0.0013	0.0003	0.0003	0.0000	0.0233
total	0.3345	0.0398	0.1313	0.0985	0.0333	0.0094	0.0114	0.0001	0.6584

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
25 mph	(0.0003)	(0.0000)	(0.0001)	0.0015	0.0008	0.0002	0.0019	0.0000	0.0039
35 mph	(0.0017)	(0.0002)	(0.0007)	0.0077	0.0040	0.0011	0.0040	0.0001	0.0142
45 mph	(0.0035)	(0.0004)	(0.0014)	0.0158	0.0082	0.0023	0.0041	0.0001	0.0250
55 mph	(0.0031)	(0.0004)	(0.0012)	0.0140	0.0074	0.0020	0.0013	0.0000	0.0200
65 mph	(0.0107)	(0.0013)	(0.0042)	0.0470	0.0256	0.0071	0.0277	0.0004	0.0916
total	(0.0194)	(0.0023)	(0.0076)	0.0860	0.0459	0.0127	0.0389	0.0005	0.1547

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	0.0000	0.0000
15 mph	0.0522	0.0061	0.0205	0.0065	0.0025	0.0007	0.0009	0.0000	0.0894
25 mph	-	-	-	-	0.0013	0.0004	0.0020	0.0000	0.0037
35 mph	0.0623	0.0075	0.0244	0.0111	-	-	-	-	0.1053
total	0.1144	0.0136	0.0449	0.0177	0.0038	0.0011	0.0029	0.0001	0.1984

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	0.0000	0.0000
15 mph	0.1206	0.0141	0.0475	0.0267	0.0092	0.0027	0.0030	0.0000	0.2238
25 mph	0.1260	0.0150	0.0495	0.0389	0.0146	0.0041	0.0082	0.0001	0.2564
35 mph	0.1565	0.0188	0.0613	0.0470	0.0136	0.0038	0.0066	0.0001	0.3077
45 mph	0.0105	0.0013	0.0041	0.0199	0.0096	0.0027	0.0052	0.0001	0.0533
55 mph	0.0146	0.0018	0.0057	0.0192	0.0092	0.0025	0.0022	0.0000	0.0553
65 mph	0.0013	0.0001	0.0005	0.0505	0.0269	0.0074	0.0279	0.0004	0.1149
total	0.4295	0.0511	0.1686	0.2021	0.0831	0.0232	0.0532	0.0007	1.0115

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	0.0030	0.0002	0.0004	0.0008	0.0400	0.0308	0.5184	0.5025	1.0960
25 mph	0.0066	0.0005	0.0009	0.0020	0.0917	0.0710	1.2006	1.4797	2.8530
35 mph	0.0055	0.0004	0.0008	0.0018	0.0849	0.0650	0.9931	1.2430	2.3947
45 mph	0.0009	0.0001	0.0001	0.0003	0.0138	0.0105	0.5253	0.6796	1.2306
55 mph	0.0011	0.0001	0.0002	0.0004	0.0176	0.0132	0.5920	0.7517	1.3762
65 mph	0.0007	0.0001	0.0001	0.0002	0.0119	0.0087	0.1533	0.2252	0.4002
total	0.0177	0.0014	0.0025	0.0055	0.2599	0.1993	3.9826	4.8818	9.3507

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
25 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0056	0.0044	0.5205	0.6416	1.1721
35 mph	(0.0001)	(0.0000)	(0.0000)	0.0005	0.0351	0.0269	1.4831	1.8564	3.4018
45 mph	(0.0002)	(0.0000)	(0.0000)	0.0011	0.0792	0.0601	2.0399	2.6390	4.8190
55 mph	(0.0002)	(0.0000)	(0.0000)	0.0009	0.0710	0.0534	0.8160	1.0363	1.9775
65 mph	(0.0006)	(0.0001)	(0.0001)	0.0029	0.2430	0.1782	16.0217	23.5430	39.9880
total	(0.0012)	(0.0001)	(0.0002)	0.0055	0.4340	0.3230	20.8812	29.7161	51.3584

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0698	0.0535	0.0772	0.0176	0.2181
15 mph	0.0023	0.0002	0.0003	0.0003	0.0149	0.0115	0.2044	0.1982	0.4319
25 mph	-	-	-	-	0.0096	0.0075	0.5568	0.6863	1.2602
35 mph	0.0036	0.0003	0.0005	0.0007	-	-	-	-	0.0051
total	0.0058	0.0005	0.0008	0.0010	0.0943	0.0724	0.8384	0.9020	1.9154

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0698	0.0535	0.0772	0.0176	0.2181
15 mph	0.0052	0.0004	0.0007	0.0011	0.0548	0.0423	0.7228	0.7007	1.5280
25 mph	0.0065	0.0005	0.0009	0.0021	0.1070	0.0828	2.2779	2.8075	5.2853
35 mph	0.0090	0.0007	0.0013	0.0031	0.1200	0.0919	2.4762	3.0994	5.8016
45 mph	0.0007	0.0001	0.0001	0.0014	0.0930	0.0706	2.5652	3.3186	6.0496
55 mph	0.0009	0.0001	0.0001	0.0013	0.0886	0.0667	1.4080	1.7880	3.3537
65 mph	0.0001	0.0000	0.0000	0.0031	0.2549	0.1869	16.1749	23.7682	40.3882
total	0.0224	0.0018	0.0032	0.0120	0.7883	0.5947	25.7022	35.4999	62.6245

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	0.0030	0.0030
25 mph	-	-	-	-	-	-	-	0.0086	0.0086
35 mph	-	-	-	-	-	-	-	0.0075	0.0075
45 mph	-	-	-	-	-	-	-	0.0038	0.0038
55 mph	-	-	-	-	-	-	-	-	-
65 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	0.0229	0.0229

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
25 mph	-	-	-	-	-	-	-	0.0037	0.0037
35 mph	-	-	-	-	-	-	-	0.0112	0.0112
45 mph	-	-	-	-	-	-	-	0.0148	0.0148
55 mph	-	-	-	-	-	-	-	-	-
65 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	0.0297	0.0297

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	0.0025	0.0025
15 mph	-	-	-	-	-	-	-	0.0012	0.0012
25 mph	-	-	-	-	-	-	-	0.0040	0.0040
35 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	0.0076	0.0076

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	0.0025	0.0025
15 mph	-	-	-	-	-	-	-	0.0042	0.0042
25 mph	-	-	-	-	-	-	-	0.0163	0.0163
35 mph	-	-	-	-	-	-	-	0.0186	0.0186
45 mph	-	-	-	-	-	-	-	0.0186	0.0186
55 mph	-	-	-	-	-	-	-	-	-
65 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	0.0602	0.0602

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0698	0.0535	0.0772	0.0201	0.2206
15 mph	0.1258	0.0145	0.0481	0.0278	0.0641	0.0449	0.7258	0.7049	1.7559
25 mph	0.1325	0.0155	0.0504	0.0410	0.1216	0.0870	2.2861	2.8239	5.5580
35 mph	0.1655	0.0196	0.0627	0.0500	0.1336	0.0957	2.4828	3.1181	6.1280
45 mph	0.0112	0.0013	0.0042	0.0213	0.1026	0.0733	2.5704	3.3373	6.1215
55 mph	0.0155	0.0018	0.0059	0.0205	0.0979	0.0692	1.4102	1.7880	3.4090
65 mph	0.0013	0.0002	0.0005	0.0536	0.2818	0.1944	16.2028	23.7686	40.5031
STREX	0.0125	0.0014	0.0046	0.0127	0.0010	0.0003	0.0004	0.0000	0.0329
total	0.4643	0.0542	0.1764	0.2269	0.8724	0.6182	25.7558	35.5608	**63.7291**

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0019	0.0028	0.0019	0.0021	0.0004	0.0003	0.0004	0.0011
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0125	0.0014	0.0046	0.0127	0.0010	0.0003	0.0004	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0125	0.0014	0.0046	0.0127	0.0010	0.0003	0.0004	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	3.1915	0.2397	1.1917	0.8369	0.7964	0.2932	0.6113	0.0028
Diesel	0.0258	0.0002	0.0063	0.0148	0.4876	0.4238	2.9000	3.3160
Electric/NG	0.0460	0.0009	0.0069	0.0021	-	-	-	0.1554
Total	3.2632	0.2408	1.2049	0.8539	1.2840	0.7170	3.5114	3.4742

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	(0.2747)	(0.0206)	(0.1026)	1.0897	1.5632	0.5756	2.7388	0.0124
Diesel	(0.0022)	(0.0000)	(0.0005)	0.0193	0.9572	0.8318	12.9929	14.8565
Electric/NG	(0.0040)	(0.0001)	(0.0006)	0.0028	-	-	-	0.6964
Total	(0.2808)	(0.0207)	(0.1037)	1.1118	2.5204	1.4074	15.7317	15.5653

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.0056	0.0755	0.3755	0.1503	0.0534	0.0197	0.1072	0.0005
Diesel	0.0081	0.0000	0.0020	0.0027	0.0327	0.0284	0.5085	0.5814
Electric/NG	0.0145	0.0003	0.0022	0.0004	-	-	-	0.0273
Total	1.0282	0.0759	0.3797	0.1533	0.0861	0.0481	0.6156	0.6091

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	3.9224	0.2947	1.4647	2.0769	2.4130	0.8884	3.4573	0.0156	14.5331
Diesel	0.0317	0.0002	0.0077	0.0367	1.4775	1.2840	16.4014	18.7539	37.9931
Electric/NG	0.0565	0.0011	0.0085	0.0053	-	-	-	0.8790	0.9505
Total	4.0106	0.2959	1.4809	2.1190	3.8905	2.1724	19.8587	19.6486	**53.4767**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	13.7405
Internal	0.2199
Total	**13.9604**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0538	0.0412	0.0594	0.0155	0.1699
15 mph	0.0805	0.0093	0.0308	0.0178	0.0493	0.0346	0.5589	0.5428	1.3240
25 mph	0.0848	0.0099	0.0323	0.0262	0.0936	0.0670	1.7603	2.1744	4.2486
35 mph	0.1059	0.0125	0.0401	0.0320	0.1029	0.0737	1.9118	2.4009	4.6798
45 mph	0.0071	0.0008	0.0027	0.0136	0.0790	0.0564	1.9792	2.5697	4.7086
55 mph	0.0099	0.0012	0.0038	0.0131	0.0753	0.0533	1.0858	1.3767	2.6192
65 mph	0.0008	0.0001	0.0003	0.0343	0.2170	0.1497	12.4762	18.3018	31.1802
total	0.2892	0.0338	0.1100	0.1371	0.6710	0.4758	19.8316	27.3818	48.9303

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2020 Buildout (Net) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	3,272	2.40	0.32	0.0005	1.5	0.0019	6.2
2	L	4,264	2.40	0.32	0.0005	2.0	0.0019	8.1
3	L	6,139	2.40	0.32	0.0005	2.9	0.0019	11.7
5	L	2,984	2.40	0.32	0.0005	1.4	0.0019	5.7
6	L	12,413	2.40	0.32	0.0005	5.8	0.0019	23.6
8	L	3,435	2.40	0.32	0.0005	1.6	0.0019	6.5
11	L	(423)	2.40	0.32	0.0005	-0.2	0.0019	-0.8
12	L	(420)	2.40	0.32	0.0005	-0.2	0.0019	-0.8
14	L	2,990	2.40	0.32	0.0005	1.4	0.0019	5.7
18	L	1,694	2.40	0.32	0.0005	0.8	0.0019	3.2
19	L	3,648	2.40	0.32	0.0005	1.7	0.0019	6.9
21	L	86	2.40	0.32	0.0005	0.0	0.0019	0.2
24	L	1,704	2.40	0.32	0.0005	0.8	0.0019	3.2
30	L	4,655	2.40	0.32	0.0005	2.2	0.0019	8.9
29	L	(2,768)	2.40	0.32	0.0005	-1.3	0.0019	-5.3
31	L	470	2.40	0.32	0.0005	0.2	0.0019	0.9
TOTAL						20.6		84.1

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2020 Buildout (Net) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	238,840	2.40	0.03	0.0001	13.7	0.0002	56.0
Freeway	F	389,557	2.40	0.02	0.0000	11.2	0.0001	45.8
TOTAL		628,397				25.0		101.8

World Logistics Center
Mobile Emissions - 2020 Buildout (Net) - Unmitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
15 mph	0.0072	0.0145	0.0114	0.0144	0.0192	0.0213	0.0385	0.2169
25 mph	0.0059	0.0116	0.0092	0.0117	0.0160	0.0175	0.0306	0.1839
35 mph	0.0051	0.0101	0.0079	0.0102	0.0145	0.0154	0.0259	0.1684
45 mph	0.0047	0.0095	0.0074	0.0095	0.0137	0.0144	0.0240	0.1607
55 mph	0.0047	0.0099	0.0075	0.0097	0.0141	0.0146	0.0250	0.1631
65 mph	0.0052	0.0114	0.0083	0.0108	0.0155	0.0159	0.0277	0.1749

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
15 mph	0.0577	0.1210	0.0791	0.1009	0.1049	0.1195	0.2575	0.4109
25 mph	0.0397	0.0831	0.0545	0.0710	0.0793	0.0909	0.1927	0.2898
35 mph	0.0311	0.0643	0.0426	0.0559	0.0723	0.0822	0.1563	0.2392
45 mph	0.0281	0.0579	0.0383	0.0504	0.0687	0.0763	0.1378	0.2072
55 mph	0.0295	0.0606	0.0401	0.0534	0.0752	0.0819	0.1371	0.2014
65 mph	0.0359	0.0734	0.0487	0.0651	0.0772	0.0826	0.1533	0.2220

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
15 mph								0.8620
25 mph								0.6907
35 mph								0.6209
45 mph								0.5746
55 mph								-
65 mph								-

*US EPA Emission Factors for Greenhouse Gas Inventories. (idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	0.1168	0.0176	0.0688	0.0612	0.0395	0.0140	0.0320	0.0015	0.3514
25 mph	0.3380	0.0499	0.1966	0.1762	0.1176	0.0409	0.0986	0.0050	1.0229
35 mph	0.3499	0.0520	0.2024	0.1826	0.1259	0.0427	0.0807	0.0044	1.0405
45 mph	0.0597	0.0090	0.0347	0.0315	0.0220	0.0073	0.0373	0.0021	0.2037
55 mph	0.0769	0.0120	0.0452	0.0413	0.0291	0.0096	0.0337	0.0019	0.2496
65 mph	0.0466	0.0077	0.0278	0.0255	0.0178	0.0058	0.0086	0.0005	0.1403
total	0.9878	0.1482	0.5755	0.5183	0.3519	0.1203	0.2909	0.0154	3.0084

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
25 mph	(0.0009)	(0.0001)	(0.0005)	0.0072	0.0072	0.0025	0.0427	0.0022	0.0602
35 mph	(0.0063)	(0.0009)	(0.0037)	0.0500	0.0520	0.0177	0.1205	0.0066	0.2359
45 mph	(0.0150)	(0.0023)	(0.0087)	0.1202	0.1266	0.0422	0.1449	0.0082	0.4161
55 mph	(0.0136)	(0.0021)	(0.0080)	0.1105	0.1175	0.0386	0.0465	0.0026	0.2920
65 mph	(0.0417)	(0.0069)	(0.0249)	0.3449	0.3629	0.1187	0.9038	0.0481	1.7049
total	(0.0776)	(0.0123)	(0.0458)	0.6328	0.6663	0.2196	1.2584	0.0676	2.7091

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0020	0.0007	0.0009	0.0000	0.0036
15 mph	0.0890	0.0135	0.0525	0.0198	0.0147	0.0052	0.0126	0.0006	0.2078
25 mph	-	-	-	-	0.0123	0.0043	0.0457	0.0023	0.0647
35 mph	0.2270	0.0337	0.1313	0.0723	-	-	-	-	0.4642
total	0.3160	0.0472	0.1837	0.0921	0.0291	0.0101	0.0592	0.0029	0.7403

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0020	0.0007	0.0009	0.0000	0.0036
15 mph	0.2058	0.0311	0.1213	0.0809	0.0542	0.0192	0.0446	0.0021	0.5592
25 mph	0.3371	0.0498	0.1961	0.1834	0.1371	0.0477	0.1870	0.0095	1.1477
35 mph	0.5705	0.0847	0.3300	0.3049	0.1780	0.0604	0.2012	0.0110	1.7407
45 mph	0.0446	0.0067	0.0259	0.1517	0.1487	0.0496	0.1822	0.0103	0.6197
55 mph	0.0633	0.0099	0.0372	0.1518	0.1467	0.0481	0.0802	0.0044	0.5416
65 mph	0.0049	0.0008	0.0029	0.3704	0.3807	0.1245	0.9125	0.0485	1.8452
total	1.2262	0.1830	0.7134	1.2432	1.0473	0.3501	1.6086	0.0859	6.4577

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	0.0075	0.0001	0.0025	0.0076	0.1287	0.1106	1.0149	3.1232	4.3951
25 mph	0.0184	0.0002	0.0062	0.0190	0.3460	0.2990	2.9427	8.5343	12.1658
35 mph	0.0171	0.0002	0.0057	0.0177	0.3745	0.3213	2.3101	6.8179	9.8645
45 mph	0.0029	0.0000	0.0009	0.0029	0.0656	0.0549	1.0181	2.9525	4.0979
55 mph	0.0038	0.0000	0.0013	0.0040	0.0923	0.0757	0.8780	2.4869	3.5421
65 mph	0.0026	0.0000	0.0009	0.0027	0.0526	0.0424	0.2266	0.6328	0.9607
total	0.0524	0.0007	0.0174	0.0539	1.0597	0.9039	8.3905	24.5475	35.0261

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
25 mph	(0.0000)	(0.0000)	(0.0000)	0.0008	0.0212	0.0183	1.2759	3.7002	5.0164
35 mph	(0.0003)	(0.0000)	(0.0001)	0.0049	0.1548	0.1328	3.4500	10.1819	13.9239
45 mph	(0.0007)	(0.0000)	(0.0002)	0.0112	0.3769	0.3156	3.9533	11.4642	16.1203
55 mph	(0.0007)	(0.0000)	(0.0002)	0.0107	0.3725	0.3056	1.2103	3.4283	5.3266
65 mph	(0.0023)	(0.0000)	(0.0008)	0.0368	1.0742	0.8666	23.6909	66.1471	91.8126
total	(0.0041)	(0.0001)	(0.0014)	0.0644	1.9997	1.6389	33.5804	94.9218	132.1996

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0003	0.0015	0.0030	0.0052
15 mph	0.0057	0.0001	0.0019	0.0024	0.0479	0.0411	0.4003	1.2317	1.7312
25 mph	-	-	-	-	0.0363	0.0314	1.3648	3.9582	5.3907
35 mph	0.0111	0.0001	0.0037	0.0070	-	-	-	-	0.0220
total	0.0169	0.0002	0.0056	0.0095	0.0846	0.0728	1.7666	5.1929	7.1491

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0003	0.0015	0.0030	0.0052
15 mph	0.0133	0.0002	0.0044	0.0100	0.1765	0.1517	1.4152	4.3549	6.1263
25 mph	0.0184	0.0002	0.0061	0.0197	0.4036	0.3487	5.5833	16.1928	22.5729
35 mph	0.0279	0.0003	0.0093	0.0296	0.5293	0.4540	5.7601	16.9998	23.8104
45 mph	0.0021	0.0000	0.0007	0.0142	0.4425	0.3705	4.9715	14.4166	20.2181
55 mph	0.0032	0.0000	0.0010	0.0148	0.4649	0.3813	2.0883	5.9153	8.8687
65 mph	0.0003	0.0000	0.0001	0.0395	1.1269	0.9090	23.9176	66.7799	92.7732
total	0.0652	0.0008	0.0217	0.1278	3.1441	2.6156	43.7375	124.6622	174.3748

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	0.3023	0.3023
25 mph	-	-	-	-	-	-	-	0.9385	0.9385
35 mph	-	-	-	-	-	-	-	0.8164	0.8164
45 mph	-	-	-	-	-	-	-	0.3778	0.3778
55 mph	-	-	-	-	-	-	-	-	-
65 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	2.4351	2.4351

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
25 mph	-	-	-	-	-	-	-	0.4069	0.4069
35 mph	-	-	-	-	-	-	-	1.2193	1.2193
45 mph	-	-	-	-	-	-	-	1.4670	1.4670
55 mph	-	-	-	-	-	-	-	-	-
65 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	3.0932	3.0932

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	0.0004	0.0004
15 mph	-	-	-	-	-	-	-	0.1192	0.1192
25 mph	-	-	-	-	-	-	-	0.4353	0.4353
35 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	0.5549	0.5549

Total Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	0.0004	0.0004
15 mph	-	-	-	-	-	-	-	0.4215	0.4215
25 mph	-	-	-	-	-	-	-	1.7808	1.7808
35 mph	-	-	-	-	-	-	-	2.0357	2.0357
45 mph	-	-	-	-	-	-	-	1.8448	1.8448
55 mph	-	-	-	-	-	-	-	-	-
65 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	6.0832	6.0832

N2O Emissions

Total N2O Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0025	0.0010	0.0024	0.0033	0.0092
15 mph	0.2191	0.0313	0.1257	0.0910	0.2307	0.1709	1.4598	4.7785	7.1070
25 mph	0.3555	0.0500	0.2022	0.2031	0.5407	0.3964	5.7703	17.9830	25.5014
35 mph	0.5984	0.0851	0.3393	0.3345	0.7073	0.5144	5.9613	19.0465	27.5868
45 mph	0.0468	0.0068	0.0266	0.1658	0.5911	0.4200	5.1537	16.2718	22.6827
55 mph	0.0664	0.0099	0.0383	0.1666	0.6115	0.4295	2.1685	5.9197	9.4103
65 mph	0.0052	0.0008	0.0030	0.4099	1.5075	1.0335	24.8300	66.8284	94.6184
STREX	0.1782	0.0153	0.0874	0.2397	0.1015	0.0321	0.0308	0.0002	0.6852
total	1.4695	0.1992	0.8225	1.6106	4.2929	2.9978	45.3770	130.8315	**187.6009**

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0276	0.0316	0.0363	0.0400	0.0435	0.0432	0.0288	0.0222
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1782	0.0153	0.0874	0.2397	0.1015	0.0321	0.0308	0.0002
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1782	0.0153	0.0874	0.2397	0.1015	0.0321	0.0308	0.0002

World Logistics Center
Mobile Emissions - 2020 Buildout (Net) - Unmitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					2.4624	2.4726	3.3291	4.0199
15 mph	0.0093	0.0226	0.0143	0.0203	0.0213	0.0172	0.0461	0.3452
25 mph	0.0048	0.0122	0.0075	0.0108	0.0116	0.0091	0.0232	0.1847
35 mph	0.0031	0.0080	0.0048	0.0069	0.0078	0.0058	0.0143	0.1244
45 mph	0.0025	0.0065	0.0038	0.0056	0.0065	0.0048	0.0115	0.1021
55 mph	0.0024	0.0063	0.0037	0.0055	0.0067	0.0048	0.0120	0.1020
65 mph	0.0028	0.0072	0.0043	0.0064	0.0083	0.0060	0.0151	0.1227

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0476	0.1121
15 mph	0.0042	0.0192	0.0046	0.0036	0.0137	0.0136	0.0283	0.0257
25 mph	0.0014	0.0114	0.0012	0.0010	0.0051	0.0049	0.0102	0.0102
35 mph	0.0009	0.0086	0.0008	0.0006	0.0036	0.0033	0.0068	0.0063
45 mph	0.0007	0.0075	0.0006	0.0004	0.0030	0.0027	0.0050	0.0044
55 mph	0.0006	0.0078	0.0005	0.0004	0.0029	0.0026	0.0047	0.0038
65 mph	0.0007	0.0100	0.0005	0.0004	0.0036	0.0032	0.0050	0.0042

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								2.0970
15 mph								9.2457
25 mph								4.6164
35 mph								2.6092
45 mph								1.5079
55 mph								-
65 mph								-

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	0.1509	0.0275	0.0865	0.0863	0.0440	0.0113	0.0383	0.0024	0.4471
25 mph	0.2782	0.0526	0.1612	0.1627	0.0850	0.0211	0.0747	0.0050	0.8405
35 mph	0.2093	0.0412	0.1223	0.1238	0.0675	0.0162	0.0447	0.0033	0.6283
45 mph	0.0308	0.0061	0.0181	0.0184	0.0104	0.0024	0.0179	0.0013	0.1055
55 mph	0.0388	0.0077	0.0226	0.0234	0.0137	0.0032	0.0162	0.0012	0.1267
65 mph	0.0252	0.0049	0.0145	0.0151	0.0095	0.0022	0.0047	0.0003	0.0763
total	0.7332	0.1399	0.4252	0.4298	0.2301	0.0564	0.1964	0.0135	2.2246

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
25 mph	(0.0007)	(0.0001)	(0.0004)	0.0066	0.0052	0.0013	0.0324	0.0022	0.0464
35 mph	(0.0038)	(0.0007)	(0.0022)	0.0339	0.0279	0.0067	0.0667	0.0049	0.1334
45 mph	(0.0078)	(0.0015)	(0.0045)	0.0703	0.0598	0.0140	0.0694	0.0052	0.2049
55 mph	(0.0069)	(0.0014)	(0.0040)	0.0627	0.0554	0.0127	0.0223	0.0016	0.1424
65 mph	(0.0225)	(0.0044)	(0.0130)	0.2051	0.1930	0.0443	0.4916	0.0337	0.9278
total	(0.0417)	(0.0082)	(0.0242)	0.3787	0.3413	0.0790	0.6824	0.0476	1.4549

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3762	0.1202	0.2238	0.0031	0.7233
15 mph	0.1150	0.0209	0.0659	0.0279	0.0164	0.0042	0.0151	0.0010	0.2663
25 mph	-	-	-	-	0.0089	0.0022	0.0346	0.0023	0.0481
35 mph	0.1358	0.0267	0.0793	0.0490	-	-	-	-	0.2909
total	0.2508	0.0477	0.1453	0.0769	0.4015	0.1266	0.2735	0.0064	1.3286

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3762	0.1202	0.2238	0.0031	0.7233
15 mph	0.2658	0.0484	0.1525	0.1142	0.0603	0.0155	0.0534	0.0034	0.7135
25 mph	0.2774	0.0525	0.1607	0.1693	0.0992	0.0247	0.1417	0.0095	0.9350
35 mph	0.3413	0.0672	0.1994	0.2068	0.0954	0.0229	0.1114	0.0082	1.0526
45 mph	0.0231	0.0046	0.0135	0.0888	0.0702	0.0164	0.0873	0.0066	0.3104
55 mph	0.0320	0.0063	0.0186	0.0861	0.0691	0.0159	0.0384	0.0028	0.2692
65 mph	0.0026	0.0005	0.0015	0.2203	0.2024	0.0464	0.4963	0.0340	1.0041
total	0.9423	0.1794	0.5463	0.8854	0.9728	0.2619	1.1524	0.0675	5.0080

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	0.0005	0.0000	0.0001	0.0003	0.0168	0.0126	0.1114	0.1955	0.3373
25 mph	0.0006	0.0000	0.0001	0.0003	0.0222	0.0160	0.1553	0.3008	0.4953
35 mph	0.0005	0.0000	0.0001	0.0002	0.0184	0.0130	0.1010	0.1808	0.3139
45 mph	0.0001	0.0000	0.0000	0.0000	0.0028	0.0020	0.0370	0.0629	0.1049
55 mph	0.0001	0.0000	0.0000	0.0000	0.0035	0.0024	0.0302	0.0468	0.0831
65 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0016	0.0073	0.0119	0.0234
total	0.0019	0.0001	0.0004	0.0008	0.0662	0.0475	0.4423	0.7987	1.3579

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
25 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0014	0.0010	0.0673	0.1304	0.2001
35 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0076	0.0054	0.1508	0.2700	0.4338
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0162	0.0112	0.1438	0.2444	0.4157
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0142	0.0097	0.0416	0.0645	0.1301
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0002	0.0495	0.0334	0.7680	1.2490	2.1000
total	(0.0001)	(0.0000)	(0.0000)	0.0005	0.0888	0.0607	1.1715	1.9583	3.2797

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0134	0.0101	0.0152	0.0689	0.1076
15 mph	0.0004	0.0000	0.0001	0.0001	0.0063	0.0047	0.0439	0.0771	0.1326
25 mph	-	-	-	-	0.0023	0.0017	0.0720	0.1395	0.2155
35 mph	0.0003	0.0000	0.0001	0.0001	-	-	-	-	0.0005
total	0.0007	0.0000	0.0002	0.0002	0.0220	0.0165	0.1311	0.2855	0.4562

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0134	0.0101	0.0152	0.0689	0.1076
15 mph	0.0010	0.0000	0.0003	0.0004	0.0231	0.0172	0.1554	0.2726	0.4699
25 mph	0.0006	0.0000	0.0001	0.0003	0.0259	0.0186	0.2947	0.5706	0.9109
35 mph	0.0008	0.0000	0.0002	0.0003	0.0260	0.0184	0.2517	0.4508	0.7482
45 mph	0.0001	0.0000	0.0000	0.0001	0.0190	0.0132	0.1809	0.3073	0.5206
55 mph	0.0001	0.0000	0.0000	0.0001	0.0177	0.0122	0.0718	0.1113	0.2132
65 mph	0.0000	0.0000	0.0000	0.0002	0.0519	0.0350	0.7753	1.2610	2.1234
total	0.0025	0.0001	0.0006	0.0014	0.1770	0.1247	1.7450	3.0426	5.0938

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	3.2421	3.2421
25 mph	-	-	-	-	-	-	-	6.2729	6.2729
35 mph	-	-	-	-	-	-	-	3.4311	3.4311
45 mph	-	-	-	-	-	-	-	0.9914	0.9914
55 mph	-	-	-	-	-	-	-	-	-
65 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	13.9375	13.9375

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
25 mph	-	-	-	-	-	-	-	2.7197	2.7197
35 mph	-	-	-	-	-	-	-	5.1240	5.1240
45 mph	-	-	-	-	-	-	-	3.8497	3.8497
55 mph	-	-	-	-	-	-	-	-	-
65 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	11.6934	11.6934

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	0.0595	0.0595
15 mph	-	-	-	-	-	-	-	1.2786	1.2786
25 mph	-	-	-	-	-	-	-	2.9093	2.9093
35 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	4.2475	4.2475

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	0.0595	0.0595
15 mph	-	-	-	-	-	-	-	4.5207	4.5207
25 mph	-	-	-	-	-	-	-	11.9019	11.9019
35 mph	-	-	-	-	-	-	-	8.5550	8.5550
45 mph	-	-	-	-	-	-	-	4.8411	4.8411
55 mph	-	-	-	-	-	-	-	-	-
65 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	29.8783	29.8783

CH4 Emissions

Total CH4 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3896	0.1303	0.2389	0.1315	0.8904
15 mph	0.2668	0.0484	0.1527	0.1145	0.0834	0.0327	0.2088	4.7967	5.7041
25 mph	0.2781	0.0525	0.1609	0.1696	0.1250	0.0433	0.4364	12.4821	13.7478
35 mph	0.3421	0.0672	0.1996	0.2071	0.1215	0.0412	0.3632	9.0139	10.3558
45 mph	0.0231	0.0046	0.0135	0.0889	0.0892	0.0296	0.2682	5.1550	5.6721
55 mph	0.0320	0.0063	0.0186	0.0862	0.0868	0.0281	0.1102	0.1141	0.4824
65 mph	0.0026	0.0005	0.0015	0.2205	0.2543	0.0814	1.2716	1.2950	3.1276
STREX	0.3812	0.0421	0.1906	0.5881	0.0653	0.0207	0.0438	0.0000	1.3318
total	1.3259	0.2217	0.7374	1.4749	1.2152	0.4074	2.9411	32.9884	**41.3120**

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0591	0.0869	0.0791	0.0983	0.0280	0.0279	0.0409	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3812	0.0421	0.1906	0.5881	0.0653	0.0207	0.0438	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.3812	0.0421	0.1906	0.5881	0.0653	0.0207	0.0438	0.0000

World Logistics Center
Mobile Emissions - 2020 Buildout (Net) - Unmitigated
CO2 Emissions

EMFAC2014 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,670.10	5,442.70	13,992.02	25,606.82
15 mph	440.26	510.07	558.88	683.12	1,276.22	1,464.88	2,685.03	3,413.57
25 mph	312.94	362.76	397.36	486.03	906.72	1,040.91	1,908.07	2,428.83
35 mph	257.47	298.92	327.17	401.17	746.24	856.70	1,569.23	1,996.11
45 mph	250.94	291.16	318.63	390.61	725.03	832.36	1,524.03	1,933.04
55 mph	268.63	311.67	341.02	418.62	777.16	891.71	1,632.24	2,069.83
65 mph	283.48	329.91	361.27	444.72	833.58	956.01	1,750.00	2,221.39

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,886.04	6,235.31	6,743.50	6,170.11
15 mph	367.12	769.77	503.38	641.98	667.06	760.26	1,638.14	2,614.32
25 mph	252.46	528.57	346.93	451.93	504.53	578.16	1,225.69	1,843.56
35 mph	197.61	409.23	270.71	355.86	459.84	523.17	994.30	1,521.87
45 mph	178.62	368.19	243.53	320.39	437.02	485.31	876.44	1,318.10
55 mph	187.47	385.57	254.88	339.98	478.62	520.76	872.04	1,281.07
65 mph	228.45	466.72	310.06	414.39	491.02	525.37	975.40	1,412.41

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								6,263.76
15 mph								4,228.54
25 mph								3,388.20
35 mph								3,045.69
45 mph								2,818.80
55 mph								-
65 mph								-

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	7,124.30	620.05	3,377.06	2,898.90	2,631.51	961.14	2,230.89	23.93	19,867.76
25 mph	18,005.27	1,567.91	8,537.08	7,333.53	6,647.51	2,428.30	6,143.22	65.97	50,728.80
35 mph	17,591.62	1,534.20	8,347.03	7,188.00	6,496.76	2,373.31	4,889.29	52.47	48,472.69
45 mph	3,158.37	275.28	1,497.50	1,289.26	1,162.76	424.77	2,374.24	25.41	10,207.59
55 mph	4,346.99	378.87	2,060.66	1,776.48	1,602.45	585.07	2,203.78	23.58	12,977.87
65 mph	2,548.45	222.80	1,212.76	1,048.46	954.89	348.48	545.25	5.84	6,886.93
total	52,775.01	4,599.10	25,032.09	21,534.64	19,495.88	7,121.06	18,386.67	197.20	149,141.64

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
25 mph	(48.42)	(4.22)	(22.96)	298.39	407.77	148.96	2,663.53	28.60	3,471.66
35 mph	(318.72)	(27.80)	(151.23)	1,970.32	2,684.82	980.78	7,301.75	78.36	12,518.28
45 mph	(796.01)	(69.38)	(377.42)	4,916.09	6,684.33	2,441.83	9,218.88	98.65	22,116.98
55 mph	(768.98)	(67.02)	(364.53)	4,754.57	6,465.86	2,360.74	3,037.99	32.50	15,451.12
65 mph	(2,280.91)	(199.41)	(1,085.44)	14,197.33	19,493.85	7,114.07	57,000.32	610.43	94,850.23
total	(4,213.05)	(367.82)	(2,001.58)	26,136.70	35,736.64	13,046.38	79,222.47	848.55	148,408.28

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	713.48	264.59	940.55	19.82	1,938.44
15 mph	5,429.21	472.52	2,573.55	936.88	978.93	357.55	879.83	9.44	11,637.90
25 mph	-	-	-	-	697.93	254.95	2,849.21	30.60	3,832.69
35 mph	11,412.14	995.27	5,414.93	2,846.13	-	-	-	-	20,668.48
total	16,841.35	1,467.79	7,988.48	3,783.01	2,390.34	877.09	4,669.59	59.86	38,077.50

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	713.48	264.59	940.55	19.82	1,938.44
15 mph	12,553.51	1,092.56	5,950.60	3,835.79	3,610.43	1,318.68	3,110.72	33.37	31,505.66
25 mph	17,956.85	1,563.69	8,514.12	7,631.93	7,753.22	2,832.21	11,655.96	125.18	58,033.16
35 mph	28,685.04	2,501.67	13,610.73	12,004.46	9,181.58	3,354.09	12,191.04	130.83	81,659.44
45 mph	2,362.36	205.90	1,120.08	6,205.35	7,847.09	2,866.60	11,593.12	124.06	32,324.57
55 mph	3,578.01	311.85	1,696.13	6,531.04	8,068.32	2,945.81	5,241.77	56.08	28,429.99
65 mph	267.54	23.39	127.32	15,245.78	20,448.74	7,462.55	57,545.57	616.27	101,737.17
total	65,403.32	5,699.07	31,018.99	51,454.34	57,622.86	21,044.52	102,278.73	1,105.60	335,627.43

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	47.94	0.61	15.98	48.20	818.62	703.42	6,456.91	19,869.38	27,961.04
25 mph	117.22	1.48	39.15	120.64	2,201.46	1,901.98	18,720.97	54,294.35	77,397.26
35 mph	108.96	1.36	36.28	112.81	2,382.66	2,043.79	14,696.80	43,374.45	62,757.10
45 mph	18.14	0.23	6.01	18.71	417.13	349.24	6,477.34	18,783.39	26,070.20
55 mph	24.48	0.30	8.09	25.53	587.36	481.83	5,585.53	15,821.60	22,534.72
65 mph	16.57	0.20	5.47	17.28	334.77	270.05	1,441.75	4,025.49	6,111.58
total	333.32	4.18	110.97	343.17	6,741.99	5,750.32	53,379.31	156,168.65	222,831.91

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
25 mph	(0.32)	(0.00)	(0.11)	4.91	135.04	116.67	8,116.89	23,540.52	31,913.61
35 mph	(1.97)	(0.02)	(0.66)	30.92	984.65	844.60	21,948.43	64,776.07	88,582.02
45 mph	(4.57)	(0.06)	(1.52)	71.34	2,397.95	2,007.69	25,150.74	72,933.64	102,555.22
55 mph	(4.33)	(0.05)	(1.43)	68.32	2,369.99	1,944.16	7,699.87	21,810.67	33,887.18
65 mph	(14.83)	(0.18)	(4.89)	234.06	6,834.17	5,513.06	150,719.08	420,820.63	584,101.08
total	(26.03)	(0.32)	(8.60)	409.54	12,721.80	10,426.19	213,635.01	603,881.52	841,039.11

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	353.35	427.45	2,150.46	3,793.92	6,725.17
15 mph	36.54	0.46	12.17	15.58	304.53	261.68	2,546.51	7,836.19	11,013.65
25 mph	-	-	-	-	231.13	199.69	8,682.74	25,181.58	34,295.14
35 mph	70.68	0.88	23.53	44.67	-	-	-	-	139.77
total	107.22	1.34	35.71	60.24	889.01	888.82	13,379.70	36,811.69	52,173.73

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	353.35	427.45	2,150.46	3,793.92	6,725.17
15 mph	84.48	1.07	28.15	63.78	1,123.14	965.10	9,003.41	27,705.57	38,974.70
25 mph	116.91	1.48	39.04	125.55	2,567.63	2,218.35	35,520.61	103,016.44	143,606.01
35 mph	177.67	2.22	59.15	188.40	3,367.30	2,888.39	36,645.24	108,150.52	151,478.89
45 mph	13.57	0.17	4.50	90.05	2,815.08	2,356.94	31,628.09	91,717.03	128,625.41
55 mph	20.15	0.25	6.66	93.84	2,957.35	2,425.98	13,285.40	37,632.27	56,421.91
65 mph	1.74	0.02	0.57	251.34	7,168.94	5,783.11	152,160.82	424,846.11	590,212.67
total	414.51	5.20	138.07	812.96	20,352.79	17,065.32	280,394.02	796,861.87	1,116,044.75

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	1,482.78	1,482.78
25 mph	-	-	-	-	-	-	-	4,603.92	4,603.92
35 mph	-	-	-	-	-	-	-	4,005.00	4,005.00
45 mph	-	-	-	-	-	-	-	1,853.32	1,853.32
55 mph	-	-	-	-	-	-	-	-	-
65 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	11,945.03	11,945.03

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
25 mph	-	-	-	-	-	-	-	1,996.13	1,996.13
35 mph	-	-	-	-	-	-	-	5,981.14	5,981.14
45 mph	-	-	-	-	-	-	-	7,196.23	7,196.23
55 mph	-	-	-	-	-	-	-	-	-
65 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	15,173.50	15,173.50

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	177.70	177.70
15 mph	-	-	-	-	-	-	-	584.79	584.79
25 mph	-	-	-	-	-	-	-	2,135.29	2,135.29
35 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	2,897.78	2,897.78

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	177.70	177.70
15 mph	-	-	-	-	-	-	-	2,067.57	2,067.57
25 mph	-	-	-	-	-	-	-	8,735.34	8,735.34
35 mph	-	-	-	-	-	-	-	9,986.14	9,986.14
45 mph	-	-	-	-	-	-	-	9,049.56	9,049.56
55 mph	-	-	-	-	-	-	-	-	-
65 mph	-	-	-	-	-	-	-	-	-
total	-	-	-	-	-	-	-	30,016.31	30,016.31

CO2 Emissions

Total CO2 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1,066.82	692.04	3,091.00	3,991.44	8,841.31
15 mph	12,637.99	1,093.63	5,978.75	3,899.56	4,733.58	2,283.78	12,114.13	29,806.50	72,547.93
25 mph	18,073.76	1,565.17	8,553.16	7,757.48	10,320.85	5,050.56	47,176.57	111,876.96	210,374.51
35 mph	28,862.71	2,503.89	13,669.89	12,192.85	12,548.88	6,242.48	48,836.27	118,267.49	243,124.47
45 mph	2,375.93	206.07	1,124.58	6,295.40	10,662.17	5,223.54	43,221.21	100,890.65	169,999.54
55 mph	3,598.16	312.10	1,702.79	6,624.88	11,025.67	5,371.79	18,527.17	37,688.35	84,850.90
65 mph	269.28	23.41	127.89	15,497.12	27,617.68	13,245.66	209,706.40	425,462.39	691,949.83
STREX	372.13	32.76	180.08	551.13	44.95	16.24	42.70	0.45	1,240.44
total	66,189.96	5,737.03	31,337.14	52,818.43	78,020.60	38,126.09	382,715.44	827,984.23	**1,482,928.93**

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	57.68	67.59	74.75	92.08	19.25	21.86	39.88	50.30
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	372.13	32.76	180.08	551.13	44.95	16.24	42.70	0.45
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	372.13	32.76	180.08	551.13	44.95	16.24	42.70	0.45

World Logistics Center
Mobile Emissions - 2021 (Net) - Unmitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
14.45	310.50	100.20	1.16	5.57	17.20	11.32	34.09	5.33	4.22	4.41	13.97	4.10	16.96	4.56	125,135.33

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
2.64	56.67	18.29	0.21	1.02	3.14	2.07	6.22	0.97	0.77	0.81	2.55	0.75	3.09	0.83	22,837.20

World Logistics Center
Mobile Emissions - 2021 (Net) - Unmitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	208.20	1.78	3.48	(5,306.33)	(45.41)	(88.79)
LDT1	15.66	0.01	0.08	(399.05)	(0.23)	(2.12)
LDT2	77.76	0.45	0.60	(1,981.92)	(11.53)	(15.39)
MDT	296.76	5.78	1.41	4,543.06	88.43	21.66
LHDT1	111.68	70.99	-	2,845.30	1,808.69	-
LHDT2	35.19	52.63	-	896.61	1,340.93	-
MHDT	53.35	257.37	-	2,401.26	11,583.85	-
HHDT	0.42	493.80	23.89	18.70	22,225.32	1,075.46

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	2,381.26	20.38	39.84	(7,687.58)	(65.79)	(128.63)
LDT1	179.08	0.10	0.95	(578.13)	(0.34)	(3.07)
LDT2	889.40	5.17	6.91	(2,871.32)	(16.70)	(22.29)
MDT	2,037.59	39.66	9.71	2,505.47	48.77	11.94
LHDT1	917.40	583.17	-	1,927.90	1,225.52	-
LHDT2	289.09	432.35	-	607.52	908.58	-
MHDT	422.39	2,037.62	-	1,978.88	9,546.24	-
HHDT	3.29	3,909.47	189.17	15.41	18,315.85	886.28

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	119.06	8.95	44.47	101.88	45.87	14.45	25.34	0.20	360.23
15 mph	47.63	3.58	17.79	40.75	18.35	5.78	8.45	0.07	142.39
20 mph	95.25	7.16	35.58	81.50	36.70	11.56	16.90	0.13	284.78
25 mph	476.25	35.82	177.88	407.52	183.48	57.82	92.92	0.72	1,432.41
30 mph	523.88	39.40	195.67	448.27	201.83	63.60	84.48	0.66	1,557.78
35 mph	428.63	32.23	160.09	366.77	165.13	52.04	38.01	0.30	1,243.20
40 mph	142.88	10.74	53.36	122.26	55.04	17.35	42.24	0.33	444.20
45 mph	119.06	8.95	44.47	101.88	45.87	14.45	33.79	0.26	368.75
50 mph	119.06	8.95	44.47	101.88	45.87	14.45	54.91	0.43	390.03
55 mph	95.25	7.16	35.58	81.50	36.70	11.56	12.67	0.10	280.52
60 mph	190.50	14.33	71.15	163.01	73.39	23.13	12.67	0.10	548.28
65 mph	23.81	1.79	8.89	20.38	9.17	2.89	-	-	66.94
70 mph	-	-	-	-	-	-	-	-	-
total	2,381.26	179.08	889.40	2,037.59	917.40	289.09	422.39	3.29	7,119.50

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(76.88)	(5.78)	(28.71)	25.05	19.28	6.08	-	-	(60.96)
15 mph	(76.88)	(5.78)	(28.71)	25.05	19.28	6.08	-	-	(60.96)
20 mph	(76.88)	(5.78)	(28.71)	25.05	19.28	6.08	39.58	0.31	(21.08)
25 mph	(153.75)	(11.56)	(57.43)	50.11	38.56	12.15	69.26	0.54	(52.12)
30 mph	(307.50)	(23.13)	(114.85)	100.22	77.12	24.30	118.73	0.92	(124.19)
35 mph	(691.88)	(52.03)	(258.42)	225.49	173.51	54.68	118.73	0.92	(429.00)
40 mph	(768.76)	(57.81)	(287.13)	250.55	192.79	60.75	108.84	0.85	(499.93)
45 mph	(615.01)	(46.25)	(229.71)	200.44	154.23	48.60	79.16	0.62	(407.92)
50 mph	(691.88)	(52.03)	(258.42)	225.49	173.51	54.68	39.58	0.31	(508.77)
55 mph	(384.38)	(28.91)	(143.57)	125.27	96.40	30.38	19.79	0.15	(284.86)
60 mph	(230.63)	(17.34)	(86.14)	75.16	57.84	18.23	1,385.22	10.79	1,213.12
65 mph	(76.88)	(5.78)	(28.71)	25.05	19.28	6.08	-	-	(60.96)
70 mph	(3,536.29)	(265.94)	(1,320.81)	1,152.52	886.84	279.46	-	-	(2,804.23)
total	(7,687.58)	(578.13)	(2,871.32)	2,505.47	1,927.90	607.52	1,978.88	15.41	(4,101.85)

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	7.66	2.41	3.41	0.04	13.51
15 mph	631.92	47.52	236.02	70.20	38.44	12.11	16.61	0.13	1,052.95
25 mph	-	-	-	-	73.00	23.00	72.67	0.57	169.24
35 mph	2,718.92	204.47	1,015.52	277.55	-	-	-	-	4,216.45
total	3,350.84	251.99	1,251.54	347.74	111.44	35.12	89.27	0.70	5,438.64

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	7.66	2.41	3.41	0.04	13.51
10 mph	42.19	3.17	15.76	126.93	65.15	20.53	25.34	0.20	299.27
15 mph	602.67	45.32	225.10	136.00	76.06	23.97	25.05	0.20	1,134.38
20 mph	18.37	1.38	6.86	106.56	55.98	17.64	56.47	0.44	263.70
25 mph	322.50	24.25	120.45	457.63	295.04	92.97	234.85	1.83	1,549.53
30 mph	216.37	16.27	80.82	548.49	278.94	87.90	203.21	1.58	1,433.59
35 mph	2,455.66	184.67	917.19	869.80	338.64	106.71	156.75	1.22	5,030.66
40 mph	(625.88)	(47.07)	(233.77)	372.80	247.83	78.10	151.08	1.18	(55.73)
45 mph	(495.94)	(37.30)	(185.24)	302.32	200.10	63.06	112.95	0.88	(39.17)
50 mph	(572.82)	(43.08)	(213.95)	327.37	219.38	69.13	94.49	0.74	(118.74)
55 mph	(289.13)	(21.74)	(107.99)	206.78	133.09	41.94	32.46	0.25	(4.34)
60 mph	(40.13)	(3.02)	(14.99)	238.17	131.23	41.35	1,397.89	10.88	1,761.39
65 mph	(53.06)	(3.99)	(19.82)	45.43	28.45	8.97	-	-	5.98
70 mph	(3,536.29)	(265.94)	(1,320.81)	1,152.52	886.84	279.46	-	-	(2,804.23)
total	(1,955.49)	(147.06)	(730.38)	4,890.80	2,956.74	931.73	2,490.54	19.39	8,456.28

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	1.02	0.01	0.26	1.98	29.16	21.62	122.26	234.57	410.87
15 mph	0.41	0.00	0.10	0.79	11.66	8.65	40.75	78.19	140.56
20 mph	0.82	0.00	0.21	1.59	23.33	17.29	81.50	156.38	281.12
25 mph	4.08	0.02	1.03	7.93	116.63	86.47	448.28	860.08	1,524.53
30 mph	4.48	0.02	1.14	8.73	128.30	95.12	407.52	781.89	1,427.20
35 mph	3.67	0.02	0.93	7.14	104.97	77.82	183.39	351.85	729.79
40 mph	1.22	0.01	0.31	2.38	34.99	25.94	203.76	390.95	659.56
45 mph	1.02	0.01	0.26	1.98	29.16	21.62	163.01	312.76	529.81
50 mph	1.02	0.01	0.26	1.98	29.16	21.62	264.89	508.23	827.16
55 mph	0.82	0.00	0.21	1.59	23.33	17.29	61.13	117.28	221.65
60 mph	1.63	0.01	0.41	3.17	46.65	34.59	61.13	117.28	264.88
65 mph	0.20	0.00	0.05	0.40	5.83	4.32	-	-	10.81
70 mph	-	-	-	-	-	-	-	-	-
total	20.38	0.10	5.17	39.66	583.17	432.35	2,037.62	3,909.47	7,027.93

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.66)	(0.00)	(0.17)	0.49	12.26	9.09	-	-	21.00
15 mph	(0.66)	(0.00)	(0.17)	0.49	12.26	9.09	-	-	21.00
20 mph	(0.66)	(0.00)	(0.17)	0.49	12.26	9.09	190.92	366.32	578.24
25 mph	(1.32)	(0.01)	(0.33)	0.98	24.51	18.17	334.12	641.05	1,017.17
30 mph	(2.63)	(0.01)	(0.67)	1.95	49.02	36.34	572.77	1,098.95	1,755.73
35 mph	(5.92)	(0.03)	(1.50)	4.39	110.30	81.77	572.77	1,098.95	1,860.73
40 mph	(6.58)	(0.03)	(1.67)	4.88	122.55	90.86	525.04	1,007.37	1,742.42
45 mph	(5.26)	(0.03)	(1.34)	3.90	98.04	72.69	381.85	732.63	1,282.49
50 mph	(5.92)	(0.03)	(1.50)	4.39	110.30	81.77	190.92	366.32	746.25
55 mph	(3.29)	(0.02)	(0.83)	2.44	61.28	45.43	95.46	183.16	383.62
60 mph	(1.97)	(0.01)	(0.50)	1.46	36.77	27.26	6,682.37	12,821.10	19,566.46
65 mph	(0.66)	(0.00)	(0.17)	0.49	12.26	9.09	-	-	21.00
70 mph	(30.26)	(0.16)	(7.68)	22.43	563.74	417.95	-	-	966.02
total	(65.79)	(0.34)	(16.70)	48.77	1,225.52	908.58	9,546.24	18,315.85	29,962.14

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	4.87	3.61	16.43	31.53	56.44
15 mph	5.41	0.03	1.37	1.37	24.43	18.11	80.11	153.70	284.53
25 mph	-	-	-	-	46.40	34.40	350.55	672.58	1,103.94
35 mph	23.27	0.12	5.91	5.40	-	-	-	-	34.69
total	28.68	0.15	7.28	6.77	70.84	52.52	430.66	826.28	1,423.16

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	4.87	3.61	16.43	31.53	56.44
10 mph	0.36	0.00	0.09	2.47	41.41	30.70	122.26	234.57	431.87
15 mph	5.16	0.03	1.31	2.65	48.35	35.85	120.86	231.89	446.09
20 mph	0.16	0.00	0.04	2.07	35.58	26.38	272.43	522.70	859.36
25 mph	2.76	0.01	0.70	8.91	187.55	139.05	1,132.94	2,173.72	3,645.64
30 mph	1.85	0.01	0.47	10.68	177.32	131.46	980.30	1,880.84	3,182.93
35 mph	21.01	0.11	5.33	16.93	215.27	159.60	756.16	1,450.80	2,625.21
40 mph	(5.36)	(0.03)	(1.36)	7.26	157.54	116.80	728.80	1,398.32	2,401.98
45 mph	(4.24)	(0.02)	(1.08)	5.88	127.20	94.30	544.86	1,045.39	1,812.30
50 mph	(4.90)	(0.03)	(1.24)	6.37	139.46	103.39	455.82	874.55	1,573.41
55 mph	(2.47)	(0.01)	(0.63)	4.02	84.60	62.72	156.59	300.44	605.27
60 mph	(0.34)	(0.00)	(0.09)	4.64	83.42	61.85	6,743.49	12,938.38	19,831.34
65 mph	(0.45)	(0.00)	(0.12)	0.88	18.09	13.41	-	-	31.81
70 mph	(30.26)	(0.16)	(7.68)	22.43	563.74	417.95	-	-	966.02
total	(16.73)	(0.09)	(4.25)	95.20	1,879.53	1,393.45	12,014.51	23,051.60	38,413.23

Surface Street VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	1.99	0.05	0.35	0.49	-	-	-	11.35	14.22
15 mph	0.80	0.02	0.14	0.19	-	-	-	3.78	4.93
20 mph	1.59	0.04	0.28	0.39	-	-	-	7.57	9.86
25 mph	7.97	0.19	1.38	1.94	-	-	-	41.62	53.10
30 mph	8.77	0.21	1.52	2.14	-	-	-	37.83	50.47
35 mph	7.17	0.17	1.24	1.75	-	-	-	17.03	27.36
40 mph	2.39	0.06	0.41	0.58	-	-	-	18.92	22.36
45 mph	1.99	0.05	0.35	0.49	-	-	-	15.13	18.00
50 mph	1.99	0.05	0.35	0.49	-	-	-	24.59	27.46
55 mph	1.59	0.04	0.28	0.39	-	-	-	5.68	7.97
60 mph	3.19	0.08	0.55	0.78	-	-	-	5.68	10.27
65 mph	0.40	0.01	0.07	0.10	-	-	-	-	0.57
70 mph	-	-	-	-	-	-	-	-	-
total	39.84	0.95	6.91	9.71	-	-	-	189.17	246.59

Freeway VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(1.29)	(0.03)	(0.22)	0.12	-	-	-	-	(1.42)
15 mph	(1.29)	(0.03)	(0.22)	0.12	-	-	-	-	(1.42)
20 mph	(1.29)	(0.03)	(0.22)	0.12	-	-	-	17.73	16.31
25 mph	(2.57)	(0.06)	(0.45)	0.24	-	-	-	31.02	28.18
30 mph	(5.15)	(0.12)	(0.89)	0.48	-	-	-	53.18	47.50
35 mph	(11.58)	(0.28)	(2.01)	1.07	-	-	-	53.18	40.39
40 mph	(12.86)	(0.31)	(2.23)	1.19	-	-	-	48.75	34.54
45 mph	(10.29)	(0.25)	(1.78)	0.96	-	-	-	35.45	24.09
50 mph	(11.58)	(0.28)	(2.01)	1.07	-	-	-	17.73	4.94
55 mph	(6.43)	(0.15)	(1.11)	0.60	-	-	-	8.86	1.76
60 mph	(3.86)	(0.09)	(0.67)	0.36	-	-	-	620.40	616.14
65 mph	(1.29)	(0.03)	(0.22)	0.12	-	-	-	-	(1.42)
70 mph	(59.17)	(1.41)	(10.25)	5.49	-	-	-	-	(65.34)
total	(128.63)	(3.07)	(22.29)	11.94	-	-	-	886.28	744.23

Internal VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	1.53	1.53
15 mph	10.57	0.25	1.83	0.33	-	-	-	7.44	20.43
25 mph	-	-	-	-	-	-	-	32.55	32.55
35 mph	45.49	1.09	7.88	1.32	-	-	-	-	55.79
total	56.07	1.34	9.72	1.66	-	-	-	39.98	108.76

Total VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	1.53	1.53
10 mph	0.71	0.02	0.12	0.61	-	-	-	11.35	12.80
15 mph	10.08	0.24	1.75	0.65	-	-	-	11.22	23.94
20 mph	0.31	0.01	0.05	0.51	-	-	-	25.29	26.17
25 mph	5.40	0.13	0.94	2.18	-	-	-	105.18	113.83
30 mph	3.62	0.09	0.63	2.61	-	-	-	91.01	97.96
35 mph	41.09	0.98	7.12	4.15	-	-	-	70.20	123.54
40 mph	(10.47)	(0.25)	(1.81)	1.78	-	-	-	67.66	56.90
45 mph	(8.30)	(0.20)	(1.44)	1.44	-	-	-	50.59	42.09
50 mph	(9.58)	(0.23)	(1.66)	1.56	-	-	-	42.32	32.40
55 mph	(4.84)	(0.12)	(0.84)	0.99	-	-	-	14.54	9.73
60 mph	(0.67)	(0.02)	(0.12)	1.14	-	-	-	626.07	626.40
65 mph	(0.89)	(0.02)	(0.15)	0.22	-	-	-	-	(0.85)
70 mph	(59.17)	(1.41)	(10.25)	5.49	-	-	-	-	(65.34)
total	61.20	1.46	10.61	10.70	-	-	-	314.26	1,099.58

World Logistics Center
Mobile Emissions - 2021 (Net) - Unmitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	3054	330	0.21	641.4	625.6	5.4	10.5
	LDT1	15	225	330	0.21	47.3	47.0	0.0	0.2
	LDT2	15	1128	330	0.21	236.8	233.7	1.4	1.8
	MDT	15	340	330	0.21	71.4	69.7	1.4	0.3
	LHDT1	15	299	330	0.21	62.7	38.3	24.4	0.0
	LHDT2	15	144	330	0.21	30.1	12.1	18.1	0.0
	MHDT	15	457	330	0.21	96.0	16.5	79.5	0.0
	HHDT	15	762	330	0.21	160.0	0.1	152.5	7.4
Travel at Light Logistics	LDA	15	22	175	0.11	2.4	2.4	0.0	0.0
	LDT1	15	2	175	0.11	0.2	0.2	0.0	0.0
	LDT2	15	8	175	0.11	0.9	0.9	0.0	0.0
	MDT	15	2	175	0.11	0.2	0.2	0.0	0.0
	LHDT1	15	1	175	0.11	0.1	0.1	0.1	0.0
	LHDT2	15	1	175	0.11	0.1	0.0	0.0	0.0
	MHDT	15	1	175	0.11	0.2	0.0	0.1	0.0
	HHDT	15	2	175	0.11	0.3	0.0	0.3	0.0
Travel at Utility	LDA	15	25	100	0.06	1.5	1.5	0.0	0.0
	LDT1	15	2	100	0.06	0.1	0.1	0.0	0.0
	LDT2	15	9	100	0.06	0.6	0.5	0.0	0.0
	MDT	15	5	100	0.06	0.3	0.3	0.0	0.0
	LHDT1	15	1	100	0.06	0.0	0.0	0.0	0.0
	LHDT2	15	0	100	0.06	0.0	0.0	0.0	0.0
	MHDT	15	2	100	0.06	0.1	0.0	0.1	0.0
	HHDT	15	3	100	0.06	0.2	0.0	0.1	0.0
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	16	50	0.03	0.5	0.1	0.4	0.0
	HHDT	15	27	50	0.03	0.8	0.0	0.8	0.0
Travel at Convenience Store	LDA	15	76	50	0.03	2.3	2.2	0.0	0.0
	LDT1	15	6	50	0.03	0.2	0.2	0.0	0.0
	LDT2	15	28	50	0.03	0.8	0.8	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	11	50	0.03	0.3	0.3	0.0	0.0
	LDT1	15	1	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	4	50	0.03	0.1	0.1	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	631.9	47.5	236.0	70.2	38.4	12.1	16.6	0.1
Diesel	5.4	0.0	1.4	1.4	24.4	18.1	80.1	153.7
Electric/Natural Gas (HHDT Only)	10.6	0.3	1.8	0.3	0.0	0.0	0.0	7.4

World Logistics Center
Mobile Emissions - 2021 (Net) - Unmitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	149	91	58	0	456.3	290.0	0.0
	LHDT2	5	72	29	43	0	143.8	215.0	0.0
	MHDT	5	229	39	189	0	196.2	946.4	0.0
	HHDT	5	381	0	363	18	1.5	1815.8	87.9
Travel at Light Logistics	LHDT1	5	1	0	0	0	1.8	1.2	0.0
	LHDT2	5	0	0	0	0	0.6	0.9	0.0
	MHDT	5	1	0	1	0	0.6	3.1	0.0
	HHDT	5	1	0	1	0	0.0	5.9	0.3
Travel at Utility	LHDT1	5	0	0	0	0	1.2	0.8	0.0
	LHDT2	5	0	0	0	0	0.4	0.6	0.0
	MHDT	5	1	0	1	0	0.7	3.2	0.0
	HHDT	5	1	0	1	0	0.0	6.1	0.3
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	8	1	7	0	6.9	33.4	0.0
	HHDT	5	13	0	13	1	0.1	64.0	3.1
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	7.7	2.4	3.4	0.0
Diesel	4.9	3.6	16.4	31.5
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	1.5

World Logistics Center
Mobile Emissions - 2021 (Net) - Unmitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					18.2177	18.3279	26.8242	24.4585
10 mph	0.0577	0.1505	0.0917	0.1319	0.1437	0.1089	0.3391	3.1546
15 mph	0.0389	0.1030	0.0622	0.0907	0.0992	0.0744	0.2244	2.1322
20 mph	0.0275	0.0742	0.0444	0.0654	0.0726	0.0537	0.1591	1.5270
25 mph	0.0203	0.0561	0.0329	0.0485	0.0552	0.0399	0.1157	1.1856
30 mph	0.0157	0.0444	0.0257	0.0379	0.0442	0.0313	0.0887	0.9608
35 mph	0.0128	0.0370	0.0211	0.0309	0.0373	0.0259	0.0719	0.8238
40 mph	0.0112	0.0325	0.0184	0.0271	0.0335	0.0230	0.0636	0.7284
45 mph	0.0103	0.0298	0.0169	0.0250	0.0312	0.0211	0.0572	0.6899
50 mph	0.0099	0.0290	0.0164	0.0245	0.0311	0.0208	0.0577	0.6680
55 mph	0.0100	0.0291	0.0165	0.0247	0.0317	0.0209	0.0569	0.7031
60 mph	0.0106	0.0303	0.0174	0.0266	0.0346	0.0229	0.0641	0.7368
65 mph	0.0117	0.0332	0.0190	0.0287	0.0401	0.0264		
70 mph	0.0120	0.0396	0.0200	0.0284	0.0404	0.0234		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.9856	2.4689
10 mph	0.1501	0.5790	0.1989	0.1350	0.5354	0.5472	1.0016	0.6603
15 mph	0.0817	0.4070	0.1007	0.0684	0.2960	0.2937	0.5227	0.4583
20 mph	0.0411	0.3003	0.0431	0.0295	0.1545	0.1502	0.2542	0.3068
25 mph	0.0279	0.2394	0.0274	0.0189	0.1097	0.1050	0.1862	0.1968
30 mph	0.0218	0.2011	0.0211	0.0146	0.0887	0.0843	0.1518	0.1562
35 mph	0.0178	0.1778	0.0172	0.0120	0.0760	0.0714	0.1247	0.1222
40 mph	0.0155	0.1627	0.0146	0.0102	0.0676	0.0631	0.1053	0.1005
45 mph	0.0141	0.1551	0.0128	0.0089	0.0626	0.0580	0.0918	0.0857
50 mph	0.0134	0.1551	0.0118	0.0082	0.0612	0.0562	0.0870	0.0791
55 mph	0.0130	0.1631	0.0110	0.0077	0.0613	0.0558	0.0869	0.0744
60 mph	0.0138	0.1771	0.0110	0.0077	0.0637	0.0582	0.0904	0.0801
65 mph	0.0146	0.2071	0.0117	0.0082	0.0747	0.0670		
70 mph	0.0135	0.2522	0.0151	0.0090	0.1037	0.0855		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.1249
10 mph								1.1266
15 mph								0.6837
20 mph								0.4220
25 mph								0.3125
30 mph								0.2413
35 mph								0.1875
40 mph								0.1472
45 mph								0.1177
50 mph								0.0967
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0151	0.0030	0.0090	0.0296	0.0145	0.0035	0.0189	0.0014	0.0951
15 mph	0.0041	0.0008	0.0024	0.0082	0.0040	0.0009	0.0042	0.0003	0.0249
20 mph	0.0058	0.0012	0.0035	0.0117	0.0059	0.0014	0.0059	0.0004	0.0358
25 mph	0.0213	0.0044	0.0129	0.0436	0.0223	0.0051	0.0237	0.0019	0.1353
30 mph	0.0182	0.0039	0.0111	0.0375	0.0197	0.0044	0.0165	0.0014	0.1126
35 mph	0.0121	0.0026	0.0074	0.0250	0.0136	0.0030	0.0060	0.0005	0.0703
40 mph	0.0035	0.0008	0.0022	0.0073	0.0041	0.0009	0.0059	0.0005	0.0251
45 mph	0.0027	0.0006	0.0017	0.0056	0.0032	0.0007	0.0043	0.0004	0.0191
50 mph	0.0026	0.0006	0.0016	0.0055	0.0031	0.0007	0.0070	0.0006	0.0217
55 mph	0.0021	0.0005	0.0013	0.0044	0.0026	0.0005	0.0016	0.0002	0.0131
60 mph	0.0045	0.0010	0.0027	0.0096	0.0056	0.0012	0.0018	0.0002	0.0264
65 mph	0.0006	0.0001	0.0004	0.0013	0.0008	0.0002	-	-	0.0034
70 mph	-	-	-	-	-	-	-	-	-
total	0.0926	0.0194	0.0562	0.1893	0.0994	0.0223	0.0959	0.0078	0.5828

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0098)	(0.0019)	(0.0058)	0.0073	0.0061	0.0015	-	-	(0.0026)
15 mph	(0.0066)	(0.0013)	(0.0039)	0.0050	0.0042	0.0010	-	-	(0.0016)
20 mph	(0.0047)	(0.0009)	(0.0028)	0.0036	0.0031	0.0007	0.0139	0.0010	0.0139
25 mph	(0.0069)	(0.0014)	(0.0042)	0.0054	0.0047	0.0011	0.0177	0.0014	0.0177
30 mph	(0.0107)	(0.0023)	(0.0065)	0.0084	0.0075	0.0017	0.0232	0.0020	0.0233
35 mph	(0.0196)	(0.0042)	(0.0120)	0.0154	0.0143	0.0031	0.0188	0.0017	0.0175
40 mph	(0.0189)	(0.0041)	(0.0117)	0.0150	0.0142	0.0031	0.0153	0.0014	0.0142
45 mph	(0.0139)	(0.0030)	(0.0086)	0.0111	0.0106	0.0023	0.0100	0.0009	0.0094
50 mph	(0.0152)	(0.0033)	(0.0094)	0.0122	0.0119	0.0025	0.0050	0.0005	0.0042
55 mph	(0.0085)	(0.0019)	(0.0052)	0.0068	0.0067	0.0014	0.0025	0.0002	0.0021
60 mph	(0.0054)	(0.0012)	(0.0033)	0.0044	0.0044	0.0009	0.1957	0.0175	0.2131
65 mph	(0.0020)	(0.0004)	(0.0012)	0.0016	0.0017	0.0004	-	-	0.0000
70 mph	(0.0932)	(0.0232)	(0.0582)	0.0722	0.0790	0.0144	-	-	(0.0089)
total	(0.2152)	(0.0493)	(0.1328)	0.1683	0.1685	0.0340	0.3021	0.0266	0.3022

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3075	0.0975	0.2015	0.0020	0.6085
15 mph	0.0541	0.0108	0.0324	0.0140	0.0084	0.0020	0.0082	0.0006	0.1306
25 mph	-	-	-	-	0.0089	0.0020	0.0185	0.0015	0.0309
35 mph	0.0769	0.0167	0.0472	0.0189	-	-	-	-	0.1597
total	0.1310	0.0275	0.0796	0.0330	0.3248	0.1015	0.2282	0.0041	0.9297

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3075	0.0975	0.2015	0.0020	0.6085
10 mph	0.0054	0.0011	0.0032	0.0369	0.0206	0.0049	0.0189	0.0014	0.0924
15 mph	0.0516	0.0103	0.0309	0.0272	0.0166	0.0039	0.0124	0.0009	0.1539
20 mph	0.0011	0.0002	0.0007	0.0154	0.0090	0.0021	0.0198	0.0015	0.0497
25 mph	0.0144	0.0030	0.0088	0.0490	0.0359	0.0082	0.0599	0.0048	0.1839
30 mph	0.0075	0.0016	0.0046	0.0458	0.0272	0.0061	0.0398	0.0034	0.1359
35 mph	0.0694	0.0151	0.0426	0.0593	0.0278	0.0061	0.0249	0.0022	0.2475
40 mph	(0.0154)	(0.0034)	(0.0095)	0.0223	0.0183	0.0040	0.0212	0.0019	0.0393
45 mph	(0.0112)	(0.0024)	(0.0069)	0.0167	0.0138	0.0029	0.0142	0.0013	0.0284
50 mph	(0.0126)	(0.0028)	(0.0077)	0.0177	0.0151	0.0032	0.0120	0.0011	0.0259
55 mph	(0.0064)	(0.0014)	(0.0039)	0.0113	0.0093	0.0019	0.0041	0.0004	0.0152
60 mph	(0.0009)	(0.0002)	(0.0006)	0.0140	0.0100	0.0021	0.1975	0.0177	0.2395
65 mph	(0.0014)	(0.0003)	(0.0008)	0.0029	0.0025	0.0005	-	-	0.0034
70 mph	(0.0932)	(0.0232)	(0.0582)	0.0722	0.0790	0.0144	-	-	(0.0089)
total	0.0084	(0.0024)	0.0030	0.3906	0.5928	0.1578	0.6262	0.0385	1.8147

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0003	0.0000	0.0001	0.0006	0.0344	0.0261	0.2700	0.3415	0.6731
15 mph	0.0001	0.0000	0.0000	0.0001	0.0076	0.0056	0.0470	0.0790	0.1394
20 mph	0.0001	0.0000	0.0000	0.0001	0.0079	0.0057	0.0457	0.1058	0.1653
25 mph	0.0003	0.0000	0.0001	0.0003	0.0282	0.0200	0.1841	0.3733	0.6062
30 mph	0.0002	0.0000	0.0001	0.0003	0.0251	0.0177	0.1364	0.2693	0.4490
35 mph	0.0001	0.0000	0.0000	0.0002	0.0176	0.0122	0.0504	0.0948	0.1754
40 mph	0.0000	0.0000	0.0000	0.0001	0.0052	0.0036	0.0473	0.0866	0.1429
45 mph	0.0000	0.0000	0.0000	0.0000	0.0040	0.0028	0.0330	0.0591	0.0990
50 mph	0.0000	0.0000	0.0000	0.0000	0.0039	0.0027	0.0508	0.0886	0.1461
55 mph	0.0000	0.0000	0.0000	0.0000	0.0032	0.0021	0.0117	0.0192	0.0363
60 mph	0.0000	0.0000	0.0000	0.0001	0.0066	0.0044	0.0122	0.0207	0.0440
65 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0006	-	-	0.0016
70 mph	-	-	-	-	-	-	-	-	-
total	0.0013	0.0001	0.0003	0.0018	0.1447	0.1036	0.8886	1.5380	2.6784

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0145	0.0110	-	-	0.0253
15 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0080	0.0059	-	-	0.0138
20 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0042	0.0030	0.1070	0.2478	0.3620
25 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0059	0.0042	0.1372	0.2782	0.4255
30 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0096	0.0068	0.1917	0.3784	0.5864
35 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0185	0.0129	0.1575	0.2961	0.4848
40 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0183	0.0126	0.1220	0.2233	0.3760
45 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0135	0.0093	0.0773	0.1385	0.2385
50 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0149	0.0101	0.0366	0.0639	0.1254
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0083	0.0056	0.0183	0.0300	0.0621
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0052	0.0035	1.3318	2.2643	3.6047
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0020	0.0013	-	-	0.0033
70 mph	(0.0009)	(0.0001)	(0.0003)	0.0004	0.1289	0.0788	-	-	0.2069
total	(0.0025)	(0.0002)	(0.0007)	0.0013	0.2517	0.1650	2.1794	3.9205	6.5146

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0340	0.0252	0.0357	0.1716	0.2667
15 mph	0.0010	0.0000	0.0003	0.0002	0.0159	0.0117	0.0923	0.1553	0.2768
25 mph	-	-	-	-	0.0112	0.0080	0.1439	0.2919	0.4550
35 mph	0.0009	0.0000	0.0002	0.0001	-	-	-	-	0.0013
total	0.0019	0.0001	0.0005	0.0003	0.0612	0.0449	0.2720	0.6188	0.9998

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0340	0.0252	0.0357	0.1716	0.2667
10 mph	0.0001	0.0000	0.0000	0.0007	0.0489	0.0370	0.2700	0.3415	0.6984
15 mph	0.0009	0.0000	0.0003	0.0004	0.0316	0.0232	0.1393	0.2343	0.4300
20 mph	0.0000	0.0000	0.0000	0.0001	0.0121	0.0087	0.1527	0.3536	0.5273
25 mph	0.0002	0.0000	0.0000	0.0004	0.0454	0.0322	0.4652	0.9434	1.4867
30 mph	0.0001	0.0000	0.0000	0.0003	0.0347	0.0244	0.3280	0.6477	1.0353
35 mph	0.0008	0.0000	0.0002	0.0004	0.0361	0.0251	0.2080	0.3909	0.6615
40 mph	(0.0002)	(0.0000)	(0.0000)	0.0002	0.0235	0.0162	0.1693	0.3099	0.5189
45 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0176	0.0121	0.1103	0.1976	0.3375
50 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0188	0.0128	0.0874	0.1525	0.2715
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0114	0.0077	0.0300	0.0493	0.0984
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0117	0.0079	1.3440	2.2850	3.6487
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0030	0.0020	-	-	0.0050
70 mph	(0.0009)	(0.0001)	(0.0003)	0.0004	0.1289	0.0788	-	-	0.2069
total	0.0007	(0.0000)	0.0002	0.0034	0.4576	0.3136	3.3400	6.0774	10.1928

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0282	0.0282
15 mph								0.0057	0.0057
20 mph								0.0070	0.0070
25 mph								0.0287	0.0287
30 mph								0.0201	0.0201
35 mph								0.0070	0.0070
40 mph								0.0061	0.0061
45 mph								0.0039	0.0039
50 mph								0.0052	0.0052
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.1121	0.1121

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0165	0.0165
25 mph								0.0214	0.0214
30 mph								0.0283	0.0283
35 mph								0.0220	0.0220
40 mph								0.0158	0.0158
45 mph								0.0092	0.0092
50 mph								0.0038	0.0038
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0882	0.0882

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0004	0.0004
15 mph								0.0112	0.0112
25 mph								0.0224	0.0224
35 mph								-	-
total	-	-	-	-	-	-	-	0.0341	0.0341

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0004	0.0004
10 mph								0.0282	0.0282
15 mph								0.0169	0.0169
20 mph								0.0235	0.0235
25 mph								0.0725	0.0725
30 mph								0.0484	0.0484
35 mph								0.0290	0.0290
40 mph								0.0220	0.0220
45 mph								0.0131	0.0131
50 mph								0.0090	0.0090
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.2631	0.2631

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3458	1.0528	0.5785	0.6264	0.9954	0.9083	0.5413	1.3759
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1587	0.0363	0.0992	0.4099	0.2451	0.0705	0.0637	0.0013
Electric/NG	-	-	-	-	-	-	-	-
Total	**0.1587**	**0.0363**	**0.0992**	**0.4099**	**0.2451**	**0.0705**	**0.0637**	**0.0013**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.5553	1.2831	0.7584	0.8793	0.0976	0.0873	0.0743	0.1754
Electric/NG	0.0312	0.0309	0.0312	0.0313	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1275	0.0221	0.0650	0.2877	0.0120	0.0034	0.0044	0.0001
Electric/NG	0.0001	0.0000	0.0000	0.0000	-	-	-	-
Total	0.1276	0.0222	0.0650	0.2877	0.0120	0.0034	0.0044	0.0001

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2654	0.4337	0.3638	0.4691	0.1346	0.1306	0.2247	0.0012
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1218	0.0150	0.0624	0.3069	0.0331	0.0101	0.0264	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1218	0.0150	0.0624	0.3069	0.0331	0.0101	0.0264	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3416	0.1227	0.2372	0.1741	0.8756
10 mph	0.0055	0.0011	0.0032	0.0377	0.0695	0.0420	0.2890	0.3711	0.8190
15 mph	0.0526	0.0103	0.0312	0.0276	0.0482	0.0271	0.1517	0.2521	0.6008
20 mph	0.0011	0.0002	0.0007	0.0155	0.0211	0.0108	0.1725	0.3786	0.6005
25 mph	0.0146	0.0030	0.0088	0.0493	0.0813	0.0404	0.5251	1.0206	1.7432
30 mph	0.0076	0.0016	0.0046	0.0462	0.0619	0.0305	0.3678	0.6995	1.2197
35 mph	0.0703	0.0151	0.0428	0.0598	0.0639	0.0312	0.2328	0.4221	0.9380
40 mph	(0.0156)	(0.0034)	(0.0095)	0.0224	0.0418	0.0202	0.1905	0.3338	0.5802
45 mph	(0.0114)	(0.0025)	(0.0069)	0.0168	0.0313	0.0150	0.1246	0.2121	0.3791
50 mph	(0.0127)	(0.0028)	(0.0078)	0.0178	0.0339	0.0160	0.0994	0.1626	0.3064
55 mph	(0.0065)	(0.0014)	(0.0039)	0.0113	0.0207	0.0096	0.0341	0.0497	0.1137
60 mph	(0.0010)	(0.0002)	(0.0006)	0.0141	0.0217	0.0100	1.5414	2.3027	3.8882
65 mph	(0.0014)	(0.0003)	(0.0008)	0.0029	0.0055	0.0025	-	-	0.0084
70 mph	(0.0941)	(0.0233)	(0.0585)	0.0727	0.2079	0.0933	-	-	0.1980
RL+HS	0.1587	0.0363	0.0992	0.4099	0.2451	0.0705	0.0637	0.0013	1.0847
RL+DIURN	0.1276	0.0222	0.0650	0.2877	0.0120	0.0034	0.0044	0.0001	0.5224
STREX	0.1218	0.0150	0.0624	0.3069	0.0331	0.0101	0.0264	0.0000	0.5758
total	0.4172	0.0710	0.2298	1.3986	1.3407	0.5554	4.0606	6.3803	**14.4536**

World Logistics Center
Mobile Emissions - 2021 (Net) - Unmitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.5899	1.5995	2.3860	38.8493
10 mph	0.0807	0.2412	0.1725	0.2171	0.3257	0.3507	0.8827	7.1413
15 mph	0.0709	0.2061	0.1495	0.1899	0.2910	0.3121	0.7722	6.4109
20 mph	0.0636	0.1815	0.1328	0.1701	0.2677	0.2847	0.6969	5.9198
25 mph	0.0575	0.1630	0.1192	0.1535	0.2493	0.2602	0.6225	5.6676
30 mph	0.0531	0.1502	0.1094	0.1416	0.2364	0.2430	0.5666	5.4716
35 mph	0.0497	0.1417	0.1022	0.1327	0.2277	0.2300	0.5243	5.3792
40 mph	0.0475	0.1365	0.0978	0.1276	0.2221	0.2220	0.5067	5.2777
45 mph	0.0461	0.1333	0.0950	0.1248	0.2177	0.2152	0.4806	5.2741
50 mph	0.0457	0.1357	0.0954	0.1255	0.2211	0.2151	0.4915	5.3027
55 mph	0.0463	0.1402	0.0971	0.1278	0.2244	0.2162	0.4816	5.4728
60 mph	0.0487	0.1503	0.1032	0.1363	0.2357	0.2289	0.5227	5.5990
65 mph	0.0505	0.1621	0.1079	0.1419	0.2484	0.2402		
70 mph	0.0504	0.1889	0.1110	0.1442	0.2706	0.2299		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					61.1639	61.3945	60.9661	34.7038
10 mph	0.1576	0.8775	0.1386	0.1247	1.6313	1.5092	7.7102	14.2780
15 mph	0.1310	0.9079	0.1000	0.0934	1.5606	1.4384	5.5087	9.3481
20 mph	0.1133	0.9436	0.0737	0.0725	1.5563	1.4280	4.3596	7.1835
25 mph	0.1052	0.9846	0.0619	0.0642	1.6294	1.4719	3.7090	5.9631
30 mph	0.1017	1.0284	0.0562	0.0607	1.7100	1.5314	3.1919	4.9437
35 mph	0.0994	1.0743	0.0529	0.0595	1.8201	1.6073	2.7801	4.3241
40 mph	0.0999	1.1198	0.0510	0.0587	1.9127	1.6798	2.4846	3.6872
45 mph	0.1014	1.1654	0.0495	0.0582	1.9990	1.7466	2.2761	3.2851
50 mph	0.1042	1.2121	0.0499	0.0591	2.1273	1.8519	2.2236	3.0104
55 mph	0.1055	1.2634	0.0495	0.0597	2.1985	1.9098	2.2426	3.0409
60 mph	0.1098	1.3100	0.0497	0.0604	2.2253	1.9492	2.3733	3.2730
65 mph	0.1096	1.3617	0.0511	0.0634	2.4535	2.1207		
70 mph	0.1083	1.4124	0.0697	0.0765	3.4000	2.7075		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								39.6781
10 mph								6.5506
15 mph								4.9171
20 mph								3.8993
25 mph								3.4402
30 mph								3.1663
35 mph								2.9571
40 mph								2.7961
45 mph								2.6746
50 mph								2.5874
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0212	0.0048	0.0169	0.0488	0.0329	0.0112	0.0493	0.0031	0.1882
15 mph	0.0074	0.0016	0.0059	0.0171	0.0118	0.0040	0.0144	0.0009	0.0631
20 mph	0.0133	0.0029	0.0104	0.0306	0.0217	0.0073	0.0260	0.0017	0.1138
25 mph	0.0604	0.0129	0.0467	0.1380	0.1009	0.0332	0.1276	0.0090	0.5286
30 mph	0.0613	0.0130	0.0472	0.1400	0.1052	0.0341	0.1055	0.0079	0.5143
35 mph	0.0470	0.0101	0.0361	0.1073	0.0829	0.0264	0.0440	0.0035	0.3572
40 mph	0.0150	0.0032	0.0115	0.0344	0.0270	0.0085	0.0472	0.0038	0.1506
45 mph	0.0121	0.0026	0.0093	0.0280	0.0220	0.0069	0.0358	0.0031	0.1198
50 mph	0.0120	0.0027	0.0093	0.0282	0.0224	0.0069	0.0595	0.0050	0.1459
55 mph	0.0097	0.0022	0.0076	0.0230	0.0182	0.0055	0.0135	0.0012	0.0808
60 mph	0.0205	0.0047	0.0162	0.0490	0.0381	0.0117	0.0146	0.0012	0.1560
65 mph	0.0027	0.0006	0.0021	0.0064	0.0050	0.0015	-	-	0.0183
70 mph	-	-	-	-	-	-	-	-	-
total	0.2825	0.0614	0.2193	0.6506	0.4880	0.1570	0.5373	0.0405	2.4367

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0137)	(0.0031)	(0.0109)	0.0120	0.0138	0.0047	-	-	0.0029
15 mph	(0.0120)	(0.0026)	(0.0095)	0.0105	0.0124	0.0042	-	-	0.0029
20 mph	(0.0108)	(0.0023)	(0.0084)	0.0094	0.0114	0.0038	0.0608	0.0040	0.0679
25 mph	(0.0195)	(0.0042)	(0.0151)	0.0170	0.0212	0.0070	0.0951	0.0067	0.1082
30 mph	(0.0360)	(0.0077)	(0.0277)	0.0313	0.0402	0.0130	0.1483	0.0112	0.1727
35 mph	(0.0758)	(0.0163)	(0.0582)	0.0660	0.0871	0.0277	0.1373	0.0110	0.1788
40 mph	(0.0805)	(0.0174)	(0.0619)	0.0705	0.0944	0.0297	0.1216	0.0099	0.1663
45 mph	(0.0625)	(0.0136)	(0.0481)	0.0551	0.0740	0.0231	0.0839	0.0072	0.1191
50 mph	(0.0698)	(0.0156)	(0.0543)	0.0624	0.0846	0.0259	0.0429	0.0036	0.0797
55 mph	(0.0392)	(0.0089)	(0.0307)	0.0353	0.0477	0.0145	0.0210	0.0019	0.0414
60 mph	(0.0248)	(0.0057)	(0.0196)	0.0226	0.0301	0.0092	1.5966	0.1332	1.7414
65 mph	(0.0086)	(0.0021)	(0.0068)	0.0078	0.0106	0.0032	-	-	0.0042
70 mph	(0.3930)	(0.1108)	(0.3234)	0.3666	0.5291	0.1417	-	-	0.2102
total	(0.8461)	(0.2102)	(0.6747)	0.7664	1.0566	0.3077	2.3074	0.1885	2.8957

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0268	0.0085	0.0179	0.0032	0.0564
15 mph	0.0988	0.0216	0.0778	0.0294	0.0247	0.0083	0.0283	0.0018	0.2907
25 mph	-	-	-	-	0.0401	0.0132	0.0997	0.0071	0.1601
35 mph	0.2979	0.0639	0.2288	0.0812	-	-	-	-	0.6718
total	0.3967	0.0855	0.3066	0.1106	0.0916	0.0300	0.1459	0.0121	1.1791

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0268	0.0085	0.0179	0.0032	0.0564
10 mph	0.0075	0.0017	0.0060	0.0608	0.0468	0.0159	0.0493	0.0031	0.1910
15 mph	0.0942	0.0206	0.0742	0.0570	0.0488	0.0165	0.0427	0.0028	0.3567
20 mph	0.0026	0.0006	0.0020	0.0400	0.0330	0.0111	0.0868	0.0057	0.1818
25 mph	0.0409	0.0087	0.0317	0.1549	0.1622	0.0533	0.3224	0.0229	0.7970
30 mph	0.0253	0.0054	0.0195	0.1713	0.1454	0.0471	0.2539	0.0191	0.6869
35 mph	0.2691	0.0577	0.2066	0.2545	0.1701	0.0541	0.1812	0.0145	1.2078
40 mph	(0.0655)	(0.0142)	(0.0504)	0.1049	0.1213	0.0382	0.1688	0.0137	0.3169
45 mph	(0.0504)	(0.0110)	(0.0388)	0.0832	0.0961	0.0299	0.1197	0.0102	0.2389
50 mph	(0.0578)	(0.0129)	(0.0450)	0.0906	0.1069	0.0328	0.1024	0.0086	0.2256
55 mph	(0.0295)	(0.0067)	(0.0231)	0.0583	0.0658	0.0200	0.0345	0.0031	0.1223
60 mph	(0.0043)	(0.0010)	(0.0034)	0.0716	0.0682	0.0209	1.6112	0.1344	1.8975
65 mph	(0.0059)	(0.0014)	(0.0047)	0.0142	0.0156	0.0047	-	-	0.0225
70 mph	(0.3930)	(0.1108)	(0.3234)	0.3666	0.5291	0.1417	-	-	0.2102
total	(0.1668)	(0.0633)	(0.1488)	1.5276	1.6363	0.4947	2.9907	0.2411	6.5115

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0004	0.0000	0.0001	0.0005	0.1049	0.0719	2.0785	7.3849	9.6412
15 mph	0.0001	0.0000	0.0000	0.0002	0.0401	0.0274	0.4950	1.6117	2.1746
20 mph	0.0002	0.0000	0.0000	0.0003	0.0800	0.0545	0.7835	2.4770	3.3955
25 mph	0.0009	0.0000	0.0001	0.0011	0.4191	0.2806	3.6662	11.3090	15.6772
30 mph	0.0010	0.0001	0.0001	0.0012	0.4838	0.3212	2.8682	8.5232	12.1988
35 mph	0.0008	0.0000	0.0001	0.0009	0.4213	0.2758	1.1242	3.3548	5.1780
40 mph	0.0003	0.0000	0.0000	0.0003	0.1476	0.0961	1.1163	3.1785	4.5391
45 mph	0.0002	0.0000	0.0000	0.0003	0.1285	0.0833	0.8181	2.2655	3.2959
50 mph	0.0002	0.0000	0.0000	0.0003	0.1368	0.0883	1.2988	3.3736	4.8980
55 mph	0.0002	0.0000	0.0000	0.0002	0.1131	0.0728	0.3023	0.7864	1.2750
60 mph	0.0004	0.0000	0.0000	0.0004	0.2289	0.1487	0.3199	0.8464	1.5448
65 mph	0.0000	0.0000	0.0000	0.0001	0.0315	0.0202	-	-	0.0519
70 mph	-	-	-	-	-	-	-	-	-
total	0.0048	0.0002	0.0007	0.0057	2.3356	1.5408	14.8709	45.1111	63.8699

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0441	0.0302	-	-	0.0742
15 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0422	0.0288	-	-	0.0709
20 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0421	0.0286	1.8353	5.8023	7.7082
25 mph	(0.0003)	(0.0000)	(0.0000)	0.0001	0.0881	0.0590	2.7326	8.4291	11.3084
30 mph	(0.0006)	(0.0000)	(0.0001)	0.0003	0.1848	0.1227	4.0313	11.9794	16.3178
35 mph	(0.0013)	(0.0001)	(0.0002)	0.0006	0.4427	0.2898	3.5112	10.4782	14.7209
40 mph	(0.0014)	(0.0001)	(0.0002)	0.0006	0.5169	0.3365	2.8764	8.1903	11.9191
45 mph	(0.0012)	(0.0001)	(0.0001)	0.0005	0.4321	0.2799	1.9164	5.3069	7.9345
50 mph	(0.0014)	(0.0001)	(0.0002)	0.0006	0.5174	0.3339	0.9361	2.4316	4.2180
55 mph	(0.0008)	(0.0000)	(0.0001)	0.0003	0.2971	0.1913	0.4720	1.2281	2.1879
60 mph	(0.0005)	(0.0000)	(0.0001)	0.0002	0.1804	0.1172	34.9691	92.5296	127.7960
65 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0663	0.0425	-	-	0.1087
70 mph	(0.0072)	(0.0005)	(0.0012)	0.0038	4.2263	2.4952	-	-	6.7164
total	(0.0154)	(0.0009)	(0.0023)	0.0074	7.0803	4.3557	53.2805	146.3755	211.0809

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.6563	0.4884	2.2091	2.4127	5.7666
15 mph	0.0016	0.0001	0.0003	0.0003	0.0841	0.0575	0.9730	3.1681	4.2849
25 mph	-	-	-	-	0.1667	0.1117	2.8669	8.8436	11.9889
35 mph	0.0051	0.0003	0.0007	0.0007	-	-	-	-	0.0068
total	0.0067	0.0003	0.0010	0.0010	0.9071	0.6575	6.0491	14.4244	22.0472

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.6563	0.4884	2.2091	2.4127	5.7666
10 mph	0.0001	0.0000	0.0000	0.0007	0.1490	0.1022	2.0785	7.3849	9.7154
15 mph	0.0015	0.0001	0.0003	0.0005	0.1664	0.1137	1.4681	4.7798	6.5303
20 mph	0.0000	0.0000	0.0000	0.0003	0.1221	0.0831	2.6188	8.2792	11.1036
25 mph	0.0006	0.0000	0.0001	0.0013	0.6738	0.4513	9.2657	28.5817	38.9745
30 mph	0.0004	0.0000	0.0001	0.0014	0.6686	0.4439	6.8995	20.5026	28.5166
35 mph	0.0046	0.0003	0.0006	0.0022	0.8639	0.5656	4.6354	13.8330	19.9057
40 mph	(0.0012)	(0.0001)	(0.0002)	0.0009	0.6645	0.4326	3.9927	11.3689	16.4582
45 mph	(0.0009)	(0.0001)	(0.0001)	0.0008	0.5607	0.3632	2.7345	7.5724	11.2304
50 mph	(0.0011)	(0.0001)	(0.0001)	0.0008	0.6541	0.4222	2.2349	5.8052	9.1159
55 mph	(0.0006)	(0.0000)	(0.0001)	0.0005	0.4101	0.2641	0.7743	2.0145	3.4630
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0006	0.4093	0.2658	35.2890	93.3761	129.3408
65 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0979	0.0627	-	-	0.1605
70 mph	(0.0072)	(0.0005)	(0.0012)	0.0038	4.2263	2.4952	-	-	6.7164
total	(0.0039)	(0.0004)	(0.0006)	0.0140	10.3231	6.5541	74.2006	205.9110	296.9979

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1639	0.1639
15 mph								0.0410	0.0410
20 mph								0.0651	0.0651
25 mph								0.3157	0.3157
30 mph								0.2641	0.2641
35 mph								0.1110	0.1110
40 mph								0.1166	0.1166
45 mph								0.0893	0.0893
50 mph								0.1403	0.1403
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.3071	1.3071

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.1524	0.1524
25 mph								0.2353	0.2353
30 mph								0.3713	0.3713
35 mph								0.3467	0.3467
40 mph								0.3005	0.3005
45 mph								0.2091	0.2091
50 mph								0.1011	0.1011
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.1057	1.1057

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.1335	0.1335
15 mph								0.0806	0.0806
25 mph								0.2469	0.2469
35 mph								-	-
total	-	-	-	-	-	-	-	0.4610	0.4610

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.1335	0.1335
10 mph								0.1639	0.1639
15 mph								0.1217	0.1217
20 mph								0.2175	0.2175
25 mph								0.7979	0.7979
30 mph								0.6354	0.6354
35 mph								0.4577	0.4577
40 mph								0.4172	0.4172
45 mph								0.2983	0.2983
50 mph								0.2414	0.2414
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.4845	3.4845

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.6832	0.4969	2.2271	2.5494	5.9565
10 mph	0.0076	0.0017	0.0060	0.0614	0.1958	0.1181	2.1278	7.5519	10.0703
15 mph	0.0957	0.0206	0.0745	0.0575	0.2152	0.1302	1.5107	4.9042	7.0087
20 mph	0.0026	0.0006	0.0020	0.0403	0.1551	0.0941	2.7056	8.5025	11.5029
25 mph	0.0415	0.0087	0.0318	0.1562	0.8360	0.5046	9.5881	29.4024	40.5694
30 mph	0.0257	0.0054	0.0196	0.1727	0.8140	0.4910	7.1533	21.1571	29.8389
35 mph	0.2737	0.0580	0.2073	0.2567	1.0340	0.6197	4.8166	14.3052	21.5712
40 mph	(0.0667)	(0.0142)	(0.0506)	0.1058	0.7858	0.4709	4.1615	11.7997	17.1922
45 mph	(0.0513)	(0.0110)	(0.0389)	0.0839	0.6567	0.3931	2.8542	7.8810	11.7677
50 mph	(0.0589)	(0.0130)	(0.0451)	0.0914	0.7611	0.4550	2.3373	6.0552	9.5830
55 mph	(0.0301)	(0.0068)	(0.0232)	0.0588	0.4760	0.2841	0.8088	2.0176	3.5853
60 mph	(0.0044)	(0.0010)	(0.0034)	0.0722	0.4775	0.2867	36.9002	93.5105	131.2382
65 mph	(0.0060)	(0.0014)	(0.0047)	0.0143	0.1134	0.0675	-	-	0.1830
70 mph	(0.4002)	(0.1113)	(0.3245)	0.3703	4.7554	2.6369	-	-	6.9266
STREX	0.0947	0.0104	0.0573	0.2660	0.1291	0.0412	0.8972	2.0101	3.5060
total	(0.0760)	(0.0533)	(0.0921)	1.8077	12.0884	7.0900	78.0885	211.6467	**310.4999**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2063	0.3001	0.3344	0.4065	0.5241	0.5312	0.3664	0.6989
Diesel	-	-	-	-	-	-	1.5050	1.8455
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0947	0.0104	0.0573	0.2660	0.1291	0.0412	0.0431	0.0006
Diesel	-	-	-	-	-	-	0.8541	2.0094
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0947	0.0104	0.0573	0.2660	0.1291	0.0412	0.8972	2.0101

World Logistics Center
Mobile Emissions - 2021 (Net) - Unmitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					153.7752	154.0836	383.7727	466.4531
10 mph	1.3459	2.9249	1.9338	2.4400	2.0081	1.4161	3.9641	78.6498
15 mph	1.2218	2.5793	1.7361	2.1467	1.6087	1.1902	3.4228	66.4163
20 mph	1.1122	2.3040	1.5694	1.9117	1.3502	1.0332	3.0571	57.8328
25 mph	1.0129	2.0762	1.4200	1.7058	1.1589	0.8964	2.6891	51.7873
30 mph	0.9258	1.8883	1.2922	1.5404	1.0265	0.7979	2.3919	46.9977
35 mph	0.8487	1.7370	1.1819	1.4023	0.9380	0.7232	2.1526	43.4156
40 mph	0.7872	1.6166	1.0970	1.3038	0.8903	0.6806	2.0244	40.7128
45 mph	0.7352	1.5120	1.0247	1.2270	0.8615	0.6437	1.8551	38.9334
50 mph	0.6891	1.4440	0.9667	1.1720	0.8776	0.6330	1.8296	37.6881
55 mph	0.6427	1.3693	0.9057	1.1185	0.9036	0.6212	1.7027	37.6234
60 mph	0.5942	1.2906	0.8441	1.0866	0.9932	0.6562	1.7534	38.2788
65 mph	0.5528	1.2464	0.7927	1.0505	1.1585	0.7257		
70 mph	0.5233	1.3398	0.7701	0.9821	1.1567	0.6006		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	19.7688	31.7805
10 mph	2.3971	2.8642	1.6451	2.4635	2.0509	2.0792	1.7783	2.2219
15 mph	1.2130	1.9992	0.8165	1.2163	1.1618	1.1594	1.1386	1.5401
20 mph	0.5206	1.4690	0.3320	0.4907	0.6427	0.6239	0.7717	1.2007
25 mph	0.3332	1.2003	0.2057	0.3037	0.4792	0.4562	0.6195	0.8572
30 mph	0.2596	1.0466	0.1581	0.2338	0.4037	0.3807	0.5265	0.6939
35 mph	0.2130	0.9652	0.1282	0.1902	0.3635	0.3379	0.4526	0.5507
40 mph	0.1837	0.9319	0.1085	0.1605	0.3418	0.3148	0.3989	0.4539
45 mph	0.1654	0.9448	0.0950	0.1398	0.3374	0.3076	0.3596	0.3827
50 mph	0.1553	1.0104	0.0867	0.1263	0.3555	0.3209	0.3449	0.3466
55 mph	0.1511	1.1436	0.0814	0.1176	0.3862	0.3456	0.3420	0.3106
60 mph	0.1608	1.3495	0.0823	0.1177	0.4373	0.3918	0.3502	0.3316
65 mph	0.1773	1.7119	0.0894	0.1276	0.5668	0.4998		
70 mph	0.1800	2.0907	0.1134	0.1453	0.8560	0.6994		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								31.3404
10 mph								32.7062
15 mph								23.0164
20 mph								16.6392
25 mph								12.2018
30 mph								9.0032
35 mph								6.6462
40 mph								4.9096
45 mph								3.6305
50 mph								2.6890
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.3534	0.0577	0.1896	0.5481	0.2031	0.0451	0.2215	0.0342	1.6528
15 mph	0.1283	0.0204	0.0681	0.1929	0.0651	0.0152	0.0638	0.0096	0.5633
20 mph	0.2336	0.0364	0.1231	0.3436	0.1093	0.0263	0.1139	0.0168	1.0029
25 mph	1.0637	0.1640	0.5569	1.5328	0.4688	0.1143	0.5510	0.0826	4.5342
30 mph	1.0694	0.1640	0.5575	1.5226	0.4568	0.1119	0.4456	0.0682	4.3959
35 mph	0.8021	0.1235	0.4172	1.1340	0.3415	0.0830	0.1804	0.0283	3.1101
40 mph	0.2480	0.0383	0.1291	0.3515	0.1081	0.0260	0.1885	0.0295	1.1190
45 mph	0.1930	0.0299	0.1005	0.2756	0.0871	0.0205	0.1382	0.0226	0.8674
50 mph	0.1809	0.0285	0.0948	0.2633	0.0888	0.0202	0.2215	0.0355	0.9335
55 mph	0.1350	0.0216	0.0710	0.2010	0.0731	0.0158	0.0476	0.0082	0.5734
60 mph	0.2496	0.0408	0.1324	0.3906	0.1607	0.0335	0.0490	0.0083	1.0649
65 mph	0.0290	0.0049	0.0155	0.0472	0.0234	0.0046	-	-	0.1247
70 mph	-	-	-	-	-	-	-	-	-
total	4.6860	0.7300	2.4558	6.8032	2.1859	0.5165	2.2210	0.3439	19.9423

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.2282)	(0.0373)	(0.1224)	0.1348	0.0854	0.0190	-	-	(0.1487)
15 mph	(0.2071)	(0.0329)	(0.1099)	0.1186	0.0684	0.0159	-	-	(0.1470)
20 mph	(0.1885)	(0.0294)	(0.0994)	0.1056	0.0574	0.0138	0.2668	0.0393	0.1657
25 mph	(0.3434)	(0.0529)	(0.1798)	0.1885	0.0985	0.0240	0.4107	0.0616	0.2071
30 mph	(0.6277)	(0.0963)	(0.3272)	0.3404	0.1746	0.0428	0.6262	0.0958	0.2285
35 mph	(1.2948)	(0.1993)	(0.6734)	0.6972	0.3589	0.0872	0.5636	0.0885	(0.3722)
40 mph	(1.3344)	(0.2061)	(0.6945)	0.7203	0.3785	0.0912	0.4858	0.0761	(0.4832)
45 mph	(0.9970)	(0.1542)	(0.5190)	0.5423	0.2930	0.0690	0.3238	0.0529	(0.3892)
50 mph	(1.0513)	(0.1657)	(0.5509)	0.5827	0.3358	0.0763	0.1597	0.0256	(0.5877)
55 mph	(0.5448)	(0.0873)	(0.2867)	0.3090	0.1921	0.0416	0.0743	0.0128	(0.2890)
60 mph	(0.3022)	(0.0494)	(0.1603)	0.1801	0.1267	0.0264	5.3555	0.9104	6.0871
65 mph	(0.0937)	(0.0159)	(0.0502)	0.0580	0.0492	0.0097	-	-	(0.0428)
70 mph	(4.0801)	(0.7857)	(2.2427)	2.4958	2.2619	0.3701	-	-	(1.9807)
total	(11.2931)	(1.9122)	(6.0165)	6.4733	4.4802	0.8870	8.2663	1.3630	2.2479

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.5959	0.8196	2.8827	0.0381	6.3362
15 mph	1.7025	0.2703	0.9035	0.3323	0.1363	0.0318	0.1253	0.0189	3.5209
25 mph	-	-	-	-	0.1865	0.0455	0.4309	0.0646	0.7275
35 mph	5.0883	0.7831	2.6465	0.8582	-	-	-	-	9.3760
total	6.7907	1.0534	3.5500	1.1905	2.9187	0.8969	3.4389	0.1216	19.9607

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.5959	0.8196	2.8827	0.0381	6.3362
10 mph	0.1252	0.0205	0.0672	0.6829	0.2885	0.0641	0.2215	0.0342	1.5041
15 mph	1.6236	0.2578	0.8617	0.6438	0.2698	0.0629	0.1891	0.0286	3.9373
20 mph	0.0451	0.0070	0.0237	0.4492	0.1667	0.0402	0.3807	0.0561	1.1686
25 mph	0.7203	0.1110	0.3771	1.7213	0.7539	0.1838	1.3925	0.2088	5.4688
30 mph	0.4417	0.0678	0.2303	1.8630	0.6314	0.1547	1.0718	0.1640	4.6244
35 mph	4.5956	0.7073	2.3902	2.6895	0.7004	0.1702	0.7440	0.1168	12.1140
40 mph	(1.0864)	(0.1678)	(0.5654)	1.0718	0.4865	0.1172	0.6744	0.1056	0.6359
45 mph	(0.8039)	(0.1243)	(0.4185)	0.8179	0.3801	0.0895	0.4620	0.0755	0.4782
50 mph	(0.8704)	(0.1372)	(0.4561)	0.8460	0.4245	0.0965	0.3812	0.0611	0.3458
55 mph	(0.4098)	(0.0656)	(0.2157)	0.5100	0.2652	0.0574	0.1219	0.0210	0.2844
60 mph	(0.0526)	(0.0086)	(0.0279)	0.5707	0.2874	0.0598	5.4044	0.9187	7.1520
65 mph	(0.0647)	(0.0110)	(0.0346)	0.1052	0.0727	0.0143	-	-	0.0820
70 mph	(4.0801)	(0.7857)	(2.2427)	2.4958	2.2619	0.3701	-	-	(1.9807)
total	0.1837	(0.1288)	(0.0107)	14.4669	9.5849	2.3003	13.9262	1.8285	42.1509

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0054	0.0000	0.0009	0.0108	0.1319	0.0991	0.4794	1.1492	1.8767
15 mph	0.0011	0.0000	0.0002	0.0021	0.0299	0.0221	0.1023	0.2655	0.4232
20 mph	0.0009	0.0000	0.0002	0.0017	0.0331	0.0238	0.1387	0.4140	0.6124
25 mph	0.0030	0.0001	0.0005	0.0053	0.1232	0.0870	0.6124	1.6257	2.4571
30 mph	0.0026	0.0001	0.0004	0.0045	0.1142	0.0798	0.4731	1.1963	1.8710
35 mph	0.0017	0.0000	0.0003	0.0030	0.0841	0.0580	0.1830	0.4272	0.7574
40 mph	0.0005	0.0000	0.0001	0.0008	0.0264	0.0180	0.1792	0.3913	0.6163
45 mph	0.0004	0.0000	0.0001	0.0006	0.0217	0.0147	0.1292	0.2639	0.4306
50 mph	0.0003	0.0000	0.0000	0.0006	0.0229	0.0153	0.2014	0.3884	0.6289
55 mph	0.0003	0.0000	0.0000	0.0004	0.0199	0.0132	0.0461	0.0803	0.1602
60 mph	0.0006	0.0000	0.0001	0.0008	0.0450	0.0299	0.0472	0.0858	0.2093
65 mph	0.0001	0.0000	0.0000	0.0001	0.0073	0.0048	-	-	0.0123
70 mph	-	-	-	-	-	-	-	-	-
total	0.0168	0.0003	0.0027	0.0308	0.6594	0.4656	2.5921	6.2878	10.0555

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0035)	(0.0000)	(0.0006)	0.0026	0.0554	0.0417	-	-	0.0956
15 mph	(0.0018)	(0.0000)	(0.0003)	0.0013	0.0314	0.0232	-	-	0.0539
20 mph	(0.0008)	(0.0000)	(0.0001)	0.0005	0.0174	0.0125	0.3249	0.9699	1.3243
25 mph	(0.0010)	(0.0000)	(0.0002)	0.0007	0.0259	0.0183	0.4564	1.2117	1.7118
30 mph	(0.0015)	(0.0000)	(0.0002)	0.0010	0.0436	0.0305	0.6650	1.6814	2.4198
35 mph	(0.0028)	(0.0001)	(0.0004)	0.0018	0.0884	0.0609	0.5716	1.3344	2.0539
40 mph	(0.0027)	(0.0001)	(0.0004)	0.0017	0.0924	0.0631	0.4618	1.0083	1.6241
45 mph	(0.0019)	(0.0001)	(0.0003)	0.0012	0.0729	0.0493	0.3028	0.6183	1.0422
50 mph	(0.0020)	(0.0001)	(0.0003)	0.0012	0.0864	0.0579	0.1452	0.2799	0.5683
55 mph	(0.0011)	(0.0000)	(0.0001)	0.0006	0.0522	0.0346	0.0720	0.1255	0.2836
60 mph	(0.0007)	(0.0000)	(0.0001)	0.0004	0.0355	0.0235	5.1598	9.3757	14.5941
65 mph	(0.0003)	(0.0000)	(0.0000)	0.0001	0.0153	0.0100	-	-	0.0252
70 mph	(0.0120)	(0.0007)	(0.0019)	0.0072	1.0640	0.6446	-	-	1.7011
total	(0.0319)	(0.0012)	(0.0050)	0.0205	1.6808	1.0701	8.1595	16.6050	27.4978

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2822	0.2092	0.7163	2.2095	3.4173
15 mph	0.0145	0.0001	0.0025	0.0037	0.0626	0.0463	0.2011	0.5220	0.8527
25 mph	-	-	-	-	0.0490	0.0346	0.4789	1.2713	1.8338
35 mph	0.0109	0.0003	0.0017	0.0023	-	-	-	-	0.0151
total	0.0254	0.0004	0.0041	0.0059	0.3938	0.2901	1.3963	4.0027	6.1189

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2822	0.2092	0.7163	2.2095	3.4173
10 mph	0.0019	0.0000	0.0003	0.0134	0.1873	0.1408	0.4794	1.1492	1.9723
15 mph	0.0138	0.0001	0.0024	0.0071	0.1239	0.0916	0.3034	0.7875	1.3298
20 mph	0.0002	0.0000	0.0000	0.0022	0.0504	0.0363	0.4636	1.3839	1.9366
25 mph	0.0020	0.0000	0.0003	0.0060	0.1982	0.1399	1.5477	4.1087	6.0027
30 mph	0.0011	0.0000	0.0002	0.0055	0.1579	0.1103	1.1381	2.8777	4.2908
35 mph	0.0099	0.0002	0.0015	0.0071	0.1725	0.1189	0.7546	1.7616	2.8264
40 mph	(0.0022)	(0.0001)	(0.0003)	0.0026	0.1187	0.0811	0.6410	1.3996	2.2404
45 mph	(0.0015)	(0.0000)	(0.0002)	0.0018	0.0946	0.0640	0.4320	0.8822	1.4728
50 mph	(0.0017)	(0.0001)	(0.0002)	0.0018	0.1093	0.0732	0.3466	0.6683	1.1972
55 mph	(0.0008)	(0.0000)	(0.0001)	0.0010	0.0721	0.0478	0.1181	0.2058	0.4438
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0012	0.0804	0.0534	5.2071	9.4615	14.8034
65 mph	(0.0002)	(0.0000)	(0.0000)	0.0002	0.0226	0.0148	-	-	0.0374
70 mph	(0.0120)	(0.0007)	(0.0019)	0.0072	1.0640	0.6446	-	-	1.7011
total	0.0103	(0.0005)	0.0018	0.0572	2.7341	1.8258	12.1479	26.8955	43.6722

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.8186	0.8186
15 mph								0.1920	0.1920
20 mph								0.2776	0.2776
25 mph								1.1197	1.1197
30 mph								0.7511	0.7511
35 mph								0.2495	0.2495
40 mph								0.2048	0.2048
45 mph								0.1212	0.1212
50 mph								0.1458	0.1458
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.8803	3.8803

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.6503	0.6503
25 mph								0.8346	0.8346
30 mph								1.0557	1.0557
35 mph								0.7793	0.7793
40 mph								0.5277	0.5277
45 mph								0.2838	0.2838
50 mph								0.1051	0.1051
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.3199	3.3199

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.1054	0.1054
15 mph								0.3775	0.3775
25 mph								0.8756	0.8756
35 mph								-	-
total	-	-	-	-	-	-	-	1.3585	1.3585

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.1054	0.1054
10 mph								0.8186	0.8186
15 mph								0.5695	0.5695
20 mph								0.9280	0.9280
25 mph								2.8299	2.8299
30 mph								1.8068	1.8068
35 mph								1.0288	1.0288
40 mph								0.7325	0.7325
45 mph								0.4050	0.4050
50 mph								0.2509	0.2509
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	9.4753	9.4753

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.8781	1.0289	3.5990	2.3530	9.8589
10 mph	0.1271	0.0205	0.0675	0.6963	0.4758	0.2049	0.7009	2.0020	4.2950
15 mph	1.6374	0.2579	0.8641	0.6509	0.3937	0.1545	0.4925	1.3855	5.8365
20 mph	0.0452	0.0070	0.0238	0.4514	0.2171	0.0765	0.8443	2.3679	4.0332
25 mph	0.7223	0.1111	0.3775	1.7272	0.9521	0.3236	2.9402	7.1475	14.3015
30 mph	0.4427	0.0678	0.2304	1.8685	0.7892	0.2650	2.2099	4.8484	10.7220
35 mph	4.6055	0.7075	2.3917	2.6966	0.8729	0.2891	1.4986	2.9073	15.9692
40 mph	(1.0886)	(0.1678)	(0.5658)	1.0744	0.6053	0.1983	1.3153	2.2377	3.6087
45 mph	(0.8055)	(0.1244)	(0.4187)	0.8197	0.4748	0.1535	0.8940	1.3627	2.3560
50 mph	(0.8721)	(0.1372)	(0.4563)	0.8478	0.5338	0.1696	0.7278	0.9804	1.7939
55 mph	(0.4106)	(0.0657)	(0.2158)	0.5110	0.3372	0.1052	0.2399	0.2268	0.7281
60 mph	(0.0527)	(0.0086)	(0.0279)	0.5719	0.3678	0.1133	10.6115	10.3802	21.9554
65 mph	(0.0649)	(0.0110)	(0.0347)	0.1055	0.0953	0.0291	-	-	0.1194
70 mph	(4.0921)	(0.7864)	(2.2447)	2.5030	3.3259	1.0147	-	-	(0.2796)
STREX	1.0137	0.0831	0.4849	2.2013	0.4384	0.1364	0.5437	0.0044	4.9058
total	1.2076	(0.0462)	0.4761	16.7254	12.7574	4.2626	26.6177	38.2037	**100.2042**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.2080	2.4077	2.8278	3.3641	1.7803	1.7574	4.6216	4.7964
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.0137	0.0831	0.4849	2.2013	0.4384	0.1364	0.5437	0.0044
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	1.0137	0.0831	0.4849	2.2013	0.4384	0.1364	0.5437	0.0044

World Logistics Center
Mobile Emissions - 2021 (Net) - Unmitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0569	0.0569	0.1445	0.2468
10 mph	0.0052	0.0060	0.0066	0.0080	0.0152	0.0175	0.0318	0.0401
15 mph	0.0042	0.0049	0.0054	0.0065	0.0124	0.0143	0.0260	0.0328
20 mph	0.0035	0.0041	0.0045	0.0054	0.0103	0.0119	0.0216	0.0273
25 mph	0.0030	0.0035	0.0038	0.0047	0.0088	0.0101	0.0185	0.0234
30 mph	0.0027	0.0031	0.0034	0.0041	0.0078	0.0090	0.0164	0.0207
35 mph	0.0025	0.0029	0.0031	0.0038	0.0073	0.0084	0.0152	0.0192
40 mph	0.0024	0.0028	0.0030	0.0037	0.0070	0.0081	0.0147	0.0186
45 mph	0.0024	0.0028	0.0031	0.0037	0.0071	0.0081	0.0148	0.0186
50 mph	0.0025	0.0029	0.0031	0.0039	0.0073	0.0084	0.0152	0.0191
55 mph	0.0026	0.0030	0.0033	0.0040	0.0076	0.0087	0.0158	0.0199
60 mph	0.0027	0.0031	0.0034	0.0041	0.0079	0.0090	0.0164	0.0207
65 mph	0.0027	0.0032	0.0035	0.0043	0.0081	0.0093		
70 mph	0.0028	0.0032	0.0035	0.0043	0.0082	0.0094		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0366	0.0587	0.0621	0.0574
10 mph	0.0041	0.0086	0.0056	0.0070	0.0095	0.0107	0.0188	0.0331
15 mph	0.0034	0.0071	0.0047	0.0059	0.0062	0.0071	0.0150	0.0237
20 mph	0.0028	0.0058	0.0038	0.0049	0.0053	0.0060	0.0127	0.0193
25 mph	0.0023	0.0049	0.0032	0.0042	0.0047	0.0054	0.0112	0.0168
30 mph	0.0020	0.0042	0.0028	0.0036	0.0043	0.0049	0.0100	0.0148
35 mph	0.0018	0.0038	0.0025	0.0033	0.0043	0.0049	0.0090	0.0138
40 mph	0.0017	0.0035	0.0023	0.0031	0.0042	0.0047	0.0084	0.0126
45 mph	0.0017	0.0034	0.0023	0.0030	0.0041	0.0045	0.0080	0.0119
50 mph	0.0017	0.0034	0.0023	0.0030	0.0043	0.0047	0.0078	0.0114
55 mph	0.0017	0.0036	0.0024	0.0031	0.0045	0.0049	0.0079	0.0116
60 mph	0.0019	0.0039	0.0026	0.0034	0.0045	0.0049	0.0083	0.0121
65 mph	0.0021	0.0043	0.0029	0.0038	0.0046	0.0049		
70 mph	0.0023	0.0045	0.0031	0.0042	0.0046	0.0050		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0014	0.0001	0.0006	0.0018	0.0015	0.0006	0.0018	0.0000	0.0078
15 mph	0.0004	0.0000	0.0002	0.0006	0.0005	0.0002	0.0005	0.0000	0.0025
20 mph	0.0007	0.0001	0.0003	0.0010	0.0008	0.0003	0.0008	0.0000	0.0041
25 mph	0.0032	0.0003	0.0015	0.0042	0.0036	0.0013	0.0038	0.0000	0.0178
30 mph	0.0031	0.0003	0.0015	0.0041	0.0035	0.0013	0.0031	0.0000	0.0167
35 mph	0.0023	0.0002	0.0011	0.0031	0.0026	0.0010	0.0013	0.0000	0.0117
40 mph	0.0008	0.0001	0.0004	0.0010	0.0009	0.0003	0.0014	0.0000	0.0047
45 mph	0.0006	0.0001	0.0003	0.0008	0.0007	0.0003	0.0011	0.0000	0.0039
50 mph	0.0007	0.0001	0.0003	0.0009	0.0007	0.0003	0.0018	0.0000	0.0047
55 mph	0.0005	0.0000	0.0003	0.0007	0.0006	0.0002	0.0004	0.0000	0.0028
60 mph	0.0011	0.0001	0.0005	0.0015	0.0013	0.0005	0.0005	0.0000	0.0054
65 mph	0.0001	0.0000	0.0001	0.0002	0.0002	0.0001	-	-	0.0006
70 mph	-	-	-	-	-	-	-	-	-
total	0.0150	0.0013	0.0071	0.0198	0.0169	0.0061	0.0164	0.0002	0.0829

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0009)	(0.0001)	(0.0004)	0.0004	0.0006	0.0002	-	-	(0.0000)
15 mph	(0.0007)	(0.0001)	(0.0003)	0.0004	0.0005	0.0002	-	-	(0.0000)
20 mph	(0.0006)	(0.0001)	(0.0003)	0.0003	0.0004	0.0002	0.0019	0.0000	0.0019
25 mph	(0.0010)	(0.0001)	(0.0005)	0.0005	0.0008	0.0003	0.0028	0.0000	0.0028
30 mph	(0.0018)	(0.0002)	(0.0009)	0.0009	0.0013	0.0005	0.0043	0.0000	0.0042
35 mph	(0.0038)	(0.0003)	(0.0018)	0.0019	0.0028	0.0010	0.0040	0.0000	0.0038
40 mph	(0.0041)	(0.0004)	(0.0019)	0.0021	0.0030	0.0011	0.0035	0.0000	0.0033
45 mph	(0.0033)	(0.0003)	(0.0015)	0.0017	0.0024	0.0009	0.0026	0.0000	0.0024
50 mph	(0.0038)	(0.0003)	(0.0018)	0.0019	0.0028	0.0010	0.0013	0.0000	0.0011
55 mph	(0.0022)	(0.0002)	(0.0010)	0.0011	0.0016	0.0006	0.0007	0.0000	0.0006
60 mph	(0.0014)	(0.0001)	(0.0006)	0.0007	0.0010	0.0004	0.0502	0.0005	0.0506
65 mph	(0.0005)	(0.0000)	(0.0002)	0.0002	0.0003	0.0001	-	-	(0.0000)
70 mph	(0.0215)	(0.0019)	(0.0102)	0.0110	0.0161	0.0058	-	-	(0.0006)
total	(0.0454)	(0.0040)	(0.0215)	0.0231	0.0337	0.0122	0.0713	0.0007	0.0701

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0010	0.0003	0.0011	0.0000	0.0024
15 mph	0.0059	0.0005	0.0028	0.0010	0.0011	0.0004	0.0010	0.0000	0.0126
25 mph	-	-	-	-	0.0014	0.0005	0.0030	0.0000	0.0049
35 mph	0.0149	0.0013	0.0070	0.0024	-	-	-	-	0.0256
total	0.0208	0.0018	0.0098	0.0034	0.0034	0.0012	0.0050	0.0001	0.0455

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0010	0.0003	0.0011	0.0000	0.0024
10 mph	0.0005	0.0000	0.0002	0.0022	0.0022	0.0008	0.0018	0.0000	0.0078
15 mph	0.0056	0.0005	0.0027	0.0020	0.0021	0.0008	0.0014	0.0000	0.0150
20 mph	0.0001	0.0000	0.0001	0.0013	0.0013	0.0005	0.0027	0.0000	0.0060
25 mph	0.0021	0.0002	0.0010	0.0047	0.0057	0.0021	0.0096	0.0001	0.0255
30 mph	0.0013	0.0001	0.0006	0.0050	0.0048	0.0017	0.0073	0.0001	0.0210
35 mph	0.0134	0.0012	0.0064	0.0074	0.0054	0.0020	0.0052	0.0001	0.0410
40 mph	(0.0033)	(0.0003)	(0.0016)	0.0031	0.0038	0.0014	0.0049	0.0000	0.0081
45 mph	(0.0026)	(0.0002)	(0.0012)	0.0025	0.0031	0.0011	0.0037	0.0000	0.0063
50 mph	(0.0031)	(0.0003)	(0.0015)	0.0028	0.0035	0.0013	0.0032	0.0000	0.0059
55 mph	(0.0016)	(0.0001)	(0.0008)	0.0018	0.0022	0.0008	0.0011	0.0000	0.0034
60 mph	(0.0002)	(0.0000)	(0.0001)	0.0022	0.0023	0.0008	0.0506	0.0005	0.0561
65 mph	(0.0003)	(0.0000)	(0.0002)	0.0004	0.0005	0.0002	-	-	0.0006
70 mph	(0.0215)	(0.0019)	(0.0102)	0.0110	0.0161	0.0058	-	-	(0.0006)
total	(0.0097)	(0.0009)	(0.0046)	0.0463	0.0541	0.0195	0.0926	0.0009	0.1984

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0005	0.0051	0.0171	0.0234
15 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0001	0.0013	0.0041	0.0057
20 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	0.0023	0.0067	0.0095
25 mph	0.0000	0.0000	0.0000	0.0001	0.0012	0.0010	0.0111	0.0318	0.0452
30 mph	0.0000	0.0000	0.0000	0.0001	0.0012	0.0010	0.0090	0.0256	0.0369
35 mph	0.0000	0.0000	0.0000	0.0001	0.0010	0.0008	0.0037	0.0107	0.0163
40 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0038	0.0109	0.0153
45 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	0.0029	0.0082	0.0116
50 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	0.0046	0.0128	0.0179
55 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0011	0.0030	0.0045
60 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0004	0.0011	0.0031	0.0051
65 mph	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	-	-	0.0001
70 mph	-	-	-	-	-	-	-	-	-
total	0.0001	0.0000	0.0000	0.0003	0.0061	0.0051	0.0458	0.1340	0.1914

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0003	0.0002	-	-	0.0005
15 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0002	0.0001	-	-	0.0003
20 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0001	0.0001	0.0054	0.0156	0.0212
25 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0003	0.0002	0.0083	0.0237	0.0324
30 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0005	0.0004	0.0126	0.0360	0.0494
35 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0010	0.0009	0.0114	0.0334	0.0468
40 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0011	0.0009	0.0097	0.0280	0.0398
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0009	0.0007	0.0067	0.0193	0.0276
50 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0010	0.0008	0.0033	0.0092	0.0144
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0006	0.0005	0.0017	0.0047	0.0075
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0004	0.0003	0.1227	0.3428	0.4661
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0001	0.0001	-	-	0.0002
70 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0058	0.0046	-	-	0.0103
total	(0.0003)	(0.0000)	(0.0001)	0.0004	0.0122	0.0099	0.1817	0.5127	0.7166

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0005	0.0023	0.0040	0.0071
15 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0026	0.0080	0.0114
25 mph	-	-	-	-	0.0005	0.0004	0.0087	0.0249	0.0344
35 mph	0.0001	0.0000	0.0000	0.0000	-	-	-	-	0.0002
total	0.0001	0.0000	0.0000	0.0001	0.0012	0.0012	0.0136	0.0369	0.0531

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0005	0.0023	0.0040	0.0071
10 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0007	0.0051	0.0171	0.0238
15 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0006	0.0040	0.0121	0.0174
20 mph	0.0000	0.0000	0.0000	0.0000	0.0004	0.0004	0.0077	0.0223	0.0307
25 mph	0.0000	0.0000	0.0000	0.0001	0.0019	0.0017	0.0280	0.0804	0.1121
30 mph	0.0000	0.0000	0.0000	0.0001	0.0017	0.0014	0.0216	0.0615	0.0863
35 mph	0.0001	0.0000	0.0000	0.0001	0.0020	0.0017	0.0151	0.0441	0.0632
40 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0014	0.0012	0.0135	0.0389	0.0551
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0011	0.0009	0.0096	0.0275	0.0391
50 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0013	0.0011	0.0079	0.0220	0.0323
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0008	0.0007	0.0027	0.0077	0.0120
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0008	0.0007	0.1238	0.3459	0.4713
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0002	0.0001	-	-	0.0003
70 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0058	0.0046	-	-	0.0103
total	(0.0001)	(0.0000)	(0.0000)	0.0008	0.0195	0.0162	0.2411	0.6836	0.9610

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
15 mph									-	-
25 mph									-	-
35 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0014	0.0008	0.0033	0.0040	0.0095
10 mph	0.0005	0.0000	0.0002	0.0023	0.0031	0.0015	0.0068	0.0171	0.0316
15 mph	0.0057	0.0005	0.0027	0.0020	0.0027	0.0013	0.0054	0.0121	0.0325
20 mph	0.0001	0.0000	0.0001	0.0013	0.0017	0.0008	0.0103	0.0223	0.0367
25 mph	0.0022	0.0002	0.0010	0.0048	0.0077	0.0037	0.0376	0.0805	0.1376
30 mph	0.0013	0.0001	0.0006	0.0051	0.0065	0.0032	0.0289	0.0616	0.1073
35 mph	0.0135	0.0012	0.0064	0.0075	0.0075	0.0037	0.0203	0.0442	0.1042
40 mph	(0.0033)	(0.0003)	(0.0016)	0.0031	0.0053	0.0026	0.0184	0.0390	0.0631
45 mph	(0.0027)	(0.0002)	(0.0013)	0.0025	0.0043	0.0021	0.0132	0.0275	0.0455
50 mph	(0.0032)	(0.0003)	(0.0015)	0.0028	0.0048	0.0023	0.0110	0.0221	0.0381
55 mph	(0.0017)	(0.0001)	(0.0008)	0.0019	0.0031	0.0015	0.0039	0.0077	0.0154
60 mph	(0.0002)	(0.0000)	(0.0001)	0.0022	0.0031	0.0015	0.1744	0.3464	0.5273
65 mph	(0.0003)	(0.0000)	(0.0002)	0.0004	0.0007	0.0003	-	-	0.0010
70 mph	(0.0216)	(0.0019)	(0.0102)	0.0112	0.0219	0.0104	-	-	0.0097
STREX	0.0003	0.0000	0.0001	0.0006	0.0000	0.0000	0.0000	0.0000	0.0011
total	(0.0095)	(0.0008)	(0.0045)	0.0477	0.0737	0.0357	0.3338	0.6845	**1.1605**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0006	0.0007	0.0007	0.0009	0.0002	0.0002	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0003	0.0000	0.0001	0.0006	0.0000	0.0000	0.0000	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0003	0.0000	0.0001	0.0006	0.0000	0.0000	0.0000	0.0000

World Logistics Center
Mobile Emissions - 2021 (Net) - Unmitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0413	0.0374	0.0342	0.0535
10 mph	0.0064	0.0100	0.0067	0.0071	0.0053	0.0048	0.0045	0.0071
15 mph	0.0042	0.0067	0.0045	0.0047	0.0036	0.0032	0.0030	0.0048
20 mph	0.0030	0.0048	0.0032	0.0034	0.0025	0.0023	0.0021	0.0035
25 mph	0.0022	0.0036	0.0023	0.0025	0.0019	0.0017	0.0015	0.0027
30 mph	0.0017	0.0028	0.0018	0.0019	0.0015	0.0013	0.0012	0.0022
35 mph	0.0014	0.0023	0.0015	0.0016	0.0012	0.0011	0.0010	0.0019
40 mph	0.0012	0.0020	0.0013	0.0014	0.0011	0.0009	0.0009	0.0017
45 mph	0.0011	0.0018	0.0012	0.0012	0.0010	0.0008	0.0008	0.0016
50 mph	0.0011	0.0018	0.0011	0.0012	0.0010	0.0008	0.0008	0.0015
55 mph	0.0011	0.0018	0.0012	0.0012	0.0010	0.0008	0.0008	0.0016
60 mph	0.0012	0.0019	0.0012	0.0013	0.0010	0.0009	0.0008	0.0017
65 mph	0.0013	0.0021	0.0014	0.0013	0.0012	0.0010		
70 mph	0.0014	0.0024	0.0015	0.0015	0.0013	0.0011		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.8043	0.8177	0.2272	0.0407
10 mph	0.0311	0.4047	0.0184	0.0141	0.0449	0.0467	0.1825	0.0742
15 mph	0.0237	0.2936	0.0144	0.0112	0.0335	0.0355	0.1274	0.0699
20 mph	0.0185	0.2241	0.0115	0.0090	0.0263	0.0282	0.0899	0.0833
25 mph	0.0146	0.1807	0.0094	0.0074	0.0217	0.0232	0.0743	0.0543
30 mph	0.0120	0.1526	0.0080	0.0064	0.0187	0.0199	0.0664	0.0489
35 mph	0.0102	0.1356	0.0071	0.0056	0.0168	0.0178	0.0620	0.0453
40 mph	0.0093	0.1244	0.0066	0.0052	0.0155	0.0163	0.0614	0.0455
45 mph	0.0088	0.1189	0.0062	0.0049	0.0147	0.0154	0.0638	0.0482
50 mph	0.0087	0.1191	0.0061	0.0047	0.0146	0.0152	0.0712	0.0550
55 mph	0.0087	0.1255	0.0060	0.0047	0.0148	0.0152	0.0814	0.0601
60 mph	0.0095	0.1363	0.0062	0.0048	0.0154	0.0158	0.0890	0.0704
65 mph	0.0100	0.1601	0.0067	0.0051	0.0177	0.0178		
70 mph	0.0090	0.1982	0.0091	0.0056	0.0239	0.0214		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0878
10 mph								0.0111
15 mph								0.0089
20 mph								0.0073
25 mph								0.0066
30 mph								0.0061
35 mph								0.0059
40 mph								0.0058
45 mph								0.0060
50 mph								0.0063
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0017	0.0002	0.0007	0.0016	0.0005	0.0002	0.0003	0.0000	0.0051
15 mph	0.0004	0.0001	0.0002	0.0004	0.0001	0.0000	0.0001	0.0000	0.0013
20 mph	0.0006	0.0001	0.0002	0.0006	0.0002	0.0001	0.0001	0.0000	0.0019
25 mph	0.0023	0.0003	0.0009	0.0022	0.0008	0.0002	0.0003	0.0000	0.0070
30 mph	0.0020	0.0002	0.0008	0.0019	0.0007	0.0002	0.0002	0.0000	0.0060
35 mph	0.0013	0.0002	0.0005	0.0013	0.0004	0.0001	0.0001	0.0000	0.0039
40 mph	0.0004	0.0000	0.0002	0.0004	0.0001	0.0000	0.0001	0.0000	0.0012
45 mph	0.0003	0.0000	0.0001	0.0003	0.0001	0.0000	0.0001	0.0000	0.0009
50 mph	0.0003	0.0000	0.0001	0.0003	0.0001	0.0000	0.0001	0.0000	0.0009
55 mph	0.0002	0.0000	0.0001	0.0002	0.0001	0.0000	0.0000	0.0000	0.0007
60 mph	0.0005	0.0001	0.0002	0.0005	0.0002	0.0000	0.0000	0.0000	0.0015
65 mph	0.0001	0.0000	0.0000	0.0001	0.0000	0.0000	-	-	0.0002
70 mph	-	-	-	-	-	-	-	-	-
total	0.0101	0.0012	0.0040	0.0097	0.0033	0.0009	0.0013	0.0000	0.0306

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0011)	(0.0001)	(0.0004)	0.0004	0.0002	0.0001	-	-	(0.0010)
15 mph	(0.0007)	(0.0001)	(0.0003)	0.0003	0.0002	0.0000	-	-	(0.0006)
20 mph	(0.0005)	(0.0001)	(0.0002)	0.0002	0.0001	0.0000	0.0002	0.0000	(0.0003)
25 mph	(0.0007)	(0.0001)	(0.0003)	0.0003	0.0002	0.0000	0.0002	0.0000	(0.0004)
30 mph	(0.0012)	(0.0001)	(0.0005)	0.0004	0.0003	0.0001	0.0003	0.0000	(0.0007)
35 mph	(0.0021)	(0.0003)	(0.0008)	0.0008	0.0005	0.0001	0.0003	0.0000	(0.0016)
40 mph	(0.0021)	(0.0003)	(0.0008)	0.0008	0.0005	0.0001	0.0002	0.0000	(0.0016)
45 mph	(0.0015)	(0.0002)	(0.0006)	0.0006	0.0003	0.0001	0.0001	0.0000	(0.0012)
50 mph	(0.0016)	(0.0002)	(0.0007)	0.0006	0.0004	0.0001	0.0001	0.0000	(0.0014)
55 mph	(0.0009)	(0.0001)	(0.0004)	0.0003	0.0002	0.0001	0.0000	0.0000	(0.0008)
60 mph	(0.0006)	(0.0001)	(0.0002)	0.0002	0.0001	0.0000	0.0026	0.0000	0.0021
65 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0001	0.0000	-	-	(0.0002)
70 mph	(0.0110)	(0.0014)	(0.0044)	0.0038	0.0025	0.0007	-	-	(0.0097)
total	(0.0243)	(0.0030)	(0.0096)	0.0087	0.0054	0.0015	0.0040	0.0001	(0.0173)

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0007	0.0002	0.0003	0.0000	0.0012
15 mph	0.0059	0.0007	0.0023	0.0007	0.0003	0.0001	0.0001	0.0000	0.0102
25 mph	-	-	-	-	0.0003	0.0001	0.0002	0.0000	0.0006
35 mph	0.0084	0.0010	0.0033	0.0010	-	-	-	-	0.0138
total	0.0143	0.0017	0.0057	0.0017	0.0013	0.0004	0.0006	0.0000	0.0257

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0007	0.0002	0.0003	0.0000	0.0012
10 mph	0.0006	0.0001	0.0002	0.0020	0.0008	0.0002	0.0003	0.0000	0.0041
15 mph	0.0056	0.0007	0.0022	0.0014	0.0006	0.0002	0.0002	0.0000	0.0109
20 mph	0.0001	0.0000	0.0000	0.0008	0.0003	0.0001	0.0003	0.0000	0.0016
25 mph	0.0016	0.0002	0.0006	0.0025	0.0012	0.0003	0.0008	0.0000	0.0072
30 mph	0.0008	0.0001	0.0003	0.0023	0.0009	0.0003	0.0005	0.0000	0.0053
35 mph	0.0076	0.0009	0.0030	0.0030	0.0009	0.0003	0.0003	0.0000	0.0161
40 mph	(0.0017)	(0.0002)	(0.0007)	0.0011	0.0006	0.0002	0.0003	0.0000	(0.0004)
45 mph	(0.0012)	(0.0002)	(0.0005)	0.0008	0.0004	0.0001	0.0002	0.0000	(0.0003)
50 mph	(0.0014)	(0.0002)	(0.0005)	0.0009	0.0005	0.0001	0.0002	0.0000	(0.0004)
55 mph	(0.0007)	(0.0001)	(0.0003)	0.0006	0.0003	0.0001	0.0001	0.0000	(0.0001)
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0007	0.0003	0.0001	0.0026	0.0000	0.0036
65 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0001	0.0000	-	-	(0.0000)
70 mph	(0.0110)	(0.0014)	(0.0044)	0.0038	0.0025	0.0007	-	-	(0.0097)
total	0.0001	(0.0000)	0.0001	0.0201	0.0100	0.0028	0.0059	0.0001	0.0390

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0001	0.0029	0.0022	0.0492	0.0384	0.0928
15 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0007	0.0114	0.0120	0.0251
20 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0011	0.0162	0.0287	0.0474
25 mph	0.0001	0.0000	0.0000	0.0001	0.0056	0.0044	0.0735	0.1029	0.1867
30 mph	0.0001	0.0000	0.0000	0.0001	0.0053	0.0042	0.0596	0.0843	0.1537
35 mph	0.0001	0.0000	0.0000	0.0001	0.0039	0.0030	0.0251	0.0352	0.0674
40 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0009	0.0276	0.0392	0.0690
45 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0007	0.0229	0.0332	0.0579
50 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0007	0.0416	0.0616	0.1049
55 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	0.0110	0.0155	0.0279
60 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0012	0.0120	0.0182	0.0331
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0006	0.0000	0.0001	0.0006	0.0255	0.0200	0.3501	0.4693	0.8662

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0012	0.0009	-	-	0.0021
15 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0009	0.0007	-	-	0.0016
20 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0007	0.0006	0.0378	0.0673	0.1064
25 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0012	0.0009	0.0548	0.0767	0.1335
30 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0020	0.0016	0.0838	0.1185	0.2059
35 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0041	0.0032	0.0783	0.1098	0.1953
40 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0042	0.0033	0.0711	0.1010	0.1794
45 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0032	0.0025	0.0538	0.0779	0.1372
50 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0036	0.0027	0.0300	0.0444	0.0806
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0020	0.0015	0.0171	0.0243	0.0448
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0012	0.0010	1.3116	1.9909	3.3046
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0005	0.0004	-	-	0.0008
70 mph	(0.0006)	(0.0001)	(0.0002)	0.0003	0.0297	0.0198	-	-	0.0490
total	(0.0014)	(0.0001)	(0.0003)	0.0006	0.0545	0.0390	1.7382	2.6108	4.4412

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0086	0.0065	0.0082	0.0028	0.0262
15 mph	0.0003	0.0000	0.0000	0.0000	0.0018	0.0014	0.0225	0.0237	0.0498
25 mph	-	-	-	-	0.0022	0.0018	0.0575	0.0805	0.1419
35 mph	0.0005	0.0000	0.0001	0.0001	-	-	-	-	0.0007
total	0.0008	0.0001	0.0001	0.0001	0.0127	0.0097	0.0882	0.1070	0.2186

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0086	0.0065	0.0082	0.0028	0.0262
10 mph	0.0000	0.0000	0.0000	0.0001	0.0041	0.0032	0.0492	0.0384	0.0949
15 mph	0.0003	0.0000	0.0000	0.0001	0.0036	0.0028	0.0340	0.0357	0.0765
20 mph	0.0000	0.0000	0.0000	0.0000	0.0021	0.0016	0.0540	0.0960	0.1538
25 mph	0.0001	0.0000	0.0000	0.0001	0.0090	0.0071	0.1857	0.2601	0.4621
30 mph	0.0000	0.0000	0.0000	0.0001	0.0073	0.0058	0.1435	0.2028	0.3595
35 mph	0.0005	0.0000	0.0001	0.0002	0.0080	0.0063	0.1033	0.1450	0.2634
40 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0054	0.0042	0.0986	0.1402	0.2484
45 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0041	0.0032	0.0767	0.1111	0.1951
50 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0045	0.0035	0.0716	0.1061	0.1855
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0028	0.0021	0.0281	0.0398	0.0727
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0028	0.0022	1.3236	2.0091	3.3377
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0007	0.0005	-	-	0.0012
70 mph	(0.0006)	(0.0001)	(0.0002)	0.0003	0.0297	0.0198	-	-	0.0490
total	(0.0000)	(0.0000)	(0.0001)	0.0013	0.0927	0.0687	2.1765	3.1871	5.5260

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0003	0.0003
15 mph								0.0001	0.0001
20 mph								0.0001	0.0001
25 mph								0.0006	0.0006
30 mph								0.0005	0.0005
35 mph								0.0002	0.0002
40 mph								0.0002	0.0002
45 mph								0.0002	0.0002
50 mph								0.0003	0.0003
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0026	0.0026

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0003	0.0003
25 mph								0.0004	0.0004
30 mph								0.0007	0.0007
35 mph								0.0007	0.0007
40 mph								0.0006	0.0006
45 mph								0.0005	0.0005
50 mph								0.0002	0.0002
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0021	0.0021

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
15 mph								0.0001	0.0001
25 mph								0.0005	0.0005
35 mph								-	-
total	-	-	-	-	-	-	-	0.0009	0.0009

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
10 mph								0.0003	0.0003
15 mph								0.0002	0.0002
20 mph								0.0004	0.0004
25 mph								0.0015	0.0015
30 mph								0.0012	0.0012
35 mph								0.0009	0.0009
40 mph								0.0009	0.0009
45 mph								0.0007	0.0007
50 mph								0.0006	0.0006
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0070	0.0070

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0093	0.0067	0.0085	0.0031	0.0276
10 mph	0.0006	0.0001	0.0002	0.0021	0.0049	0.0034	0.0495	0.0387	0.0993
15 mph	0.0059	0.0007	0.0023	0.0015	0.0042	0.0030	0.0341	0.0360	0.0876
20 mph	0.0001	0.0000	0.0000	0.0008	0.0024	0.0017	0.0543	0.0964	0.1558
25 mph	0.0017	0.0002	0.0006	0.0026	0.0102	0.0075	0.1865	0.2616	0.4709
30 mph	0.0009	0.0001	0.0003	0.0025	0.0082	0.0060	0.1440	0.2040	0.3660
35 mph	0.0081	0.0010	0.0031	0.0032	0.0089	0.0065	0.1037	0.1459	0.2803
40 mph	(0.0018)	(0.0002)	(0.0007)	0.0012	0.0060	0.0044	0.0989	0.1411	0.2489
45 mph	(0.0013)	(0.0002)	(0.0005)	0.0009	0.0046	0.0033	0.0769	0.1118	0.1955
50 mph	(0.0015)	(0.0002)	(0.0006)	0.0009	0.0050	0.0036	0.0717	0.1066	0.1857
55 mph	(0.0007)	(0.0001)	(0.0003)	0.0006	0.0030	0.0022	0.0281	0.0398	0.0726
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0007	0.0031	0.0022	1.3262	2.0091	3.3412
65 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0008	0.0005	-	-	0.0012
70 mph	(0.0116)	(0.0015)	(0.0045)	0.0041	0.0322	0.0204	-	-	0.0392
STREX	0.0009	0.0001	0.0003	0.0014	0.0001	0.0000	0.0001	0.0000	0.0029
total	0.0010	0.0000	0.0003	0.0227	0.1028	0.0715	2.1824	3.1942	**5.5750**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0020	0.0029	0.0020	0.0021	0.0005	0.0004	0.0005	0.0019
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0009	0.0001	0.0003	0.0014	0.0001	0.0000	0.0001	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0009	0.0001	0.0003	0.0014	0.0001	0.0000	0.0001	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2350	0.0177	0.0878	0.2011	0.1708	0.0619	0.1326	0.0006
Diesel	0.0020	0.0000	0.0005	0.0039	0.1137	0.0965	0.6395	0.8294
Electric/NG	0.0039	0.0001	0.0007	0.0010	-	-	-	0.0408
Total	0.2409	0.0178	0.0890	0.2059	0.2845	0.1584	0.7721	0.8707

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	(0.7586)	(0.0570)	(0.2833)	0.2472	0.3590	0.1302	0.6211	0.0028
Diesel	(0.0065)	(0.0000)	(0.0016)	0.0048	0.2390	0.2027	2.9962	3.8856
Electric/NG	(0.0127)	(0.0003)	(0.0022)	0.0012	-	-	-	0.1910
Total	(0.7777)	(0.0574)	(0.2872)	0.2532	0.5979	0.3329	3.6173	4.0794

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3306	0.0249	0.1235	0.0343	0.0207	0.0075	0.0280	0.0001
Diesel	0.0028	0.0000	0.0007	0.0007	0.0138	0.0117	0.1352	0.1753
Electric/NG	0.0055	0.0001	0.0010	0.0002	-	-	-	0.0086
Total	0.3390	0.0250	0.1252	0.0351	0.0346	0.0192	0.1632	0.1840

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	(0.1930)	(0.0145)	(0.0721)	0.4826	0.5505	0.1997	0.7817	0.0035	1.7384
Diesel	(0.0017)	(0.0000)	(0.0004)	0.0094	0.3665	0.3109	3.7709	4.8902	9.3458
Electric/NG	(0.0032)	(0.0001)	(0.0006)	0.0023	-	-	-	0.2404	0.2388
Total	(0.1978)	(0.0146)	(0.0730)	0.4943	0.9170	0.5105	4.5526	5.1341	**11.3231**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	6.5029
Internal	10.6928
Total	**17.1958**

World Logistics Center
Mobile Emissions - 2021 (Net) - Unmitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0380	0.0343	0.0315	0.0496
10 mph	0.0058	0.0092	0.0062	0.0065	0.0049	0.0044	0.0041	0.0066
15 mph	0.0039	0.0062	0.0041	0.0044	0.0033	0.0030	0.0027	0.0045
20 mph	0.0027	0.0044	0.0029	0.0031	0.0023	0.0021	0.0019	0.0032
25 mph	0.0020	0.0033	0.0022	0.0023	0.0017	0.0015	0.0014	0.0025
30 mph	0.0016	0.0026	0.0017	0.0018	0.0014	0.0012	0.0011	0.0020
35 mph	0.0013	0.0021	0.0014	0.0014	0.0011	0.0010	0.0009	0.0018
40 mph	0.0011	0.0018	0.0012	0.0013	0.0010	0.0009	0.0008	0.0016
45 mph	0.0010	0.0017	0.0011	0.0011	0.0009	0.0008	0.0007	0.0015
50 mph	0.0010	0.0016	0.0011	0.0011	0.0009	0.0008	0.0007	0.0014
55 mph	0.0010	0.0016	0.0011	0.0011	0.0009	0.0008	0.0007	0.0015
60 mph	0.0011	0.0017	0.0011	0.0012	0.0010	0.0008	0.0008	0.0016
65 mph	0.0012	0.0019	0.0013	0.0013	0.0011	0.0010		
70 mph	0.0013	0.0022	0.0014	0.0014	0.0012	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7695	0.7823	0.2174	0.0389
10 mph	0.0297	0.3872	0.0176	0.0135	0.0429	0.0446	0.1746	0.0710
15 mph	0.0227	0.2809	0.0138	0.0107	0.0320	0.0340	0.1219	0.0669
20 mph	0.0177	0.2144	0.0110	0.0086	0.0252	0.0270	0.0860	0.0797
25 mph	0.0139	0.1729	0.0090	0.0071	0.0208	0.0222	0.0711	0.0519
30 mph	0.0115	0.1460	0.0077	0.0061	0.0179	0.0191	0.0635	0.0468
35 mph	0.0098	0.1297	0.0068	0.0054	0.0161	0.0170	0.0593	0.0434
40 mph	0.0089	0.1191	0.0063	0.0049	0.0148	0.0156	0.0587	0.0435
45 mph	0.0084	0.1137	0.0059	0.0046	0.0141	0.0148	0.0611	0.0461
50 mph	0.0083	0.1139	0.0058	0.0045	0.0140	0.0145	0.0681	0.0526
55 mph	0.0084	0.1201	0.0058	0.0044	0.0141	0.0145	0.0778	0.0575
60 mph	0.0090	0.1304	0.0060	0.0046	0.0147	0.0152	0.0852	0.0674
65 mph	0.0095	0.1531	0.0064	0.0049	0.0170	0.0170		
70 mph	0.0087	0.1896	0.0087	0.0054	0.0229	0.0205		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0840
10 mph								0.0106
15 mph								0.0085
20 mph								0.0070
25 mph								0.0063
30 mph								0.0059
35 mph								0.0056
40 mph								0.0056
45 mph								0.0057
50 mph								0.0060
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0015	0.0002	0.0006	0.0015	0.0005	0.0001	0.0002	0.0000	0.0047
15 mph	0.0004	0.0000	0.0002	0.0004	0.0001	0.0000	0.0001	0.0000	0.0012
20 mph	0.0006	0.0001	0.0002	0.0006	0.0002	0.0001	0.0001	0.0000	0.0017
25 mph	0.0021	0.0003	0.0008	0.0020	0.0007	0.0002	0.0003	0.0000	0.0065
30 mph	0.0018	0.0002	0.0007	0.0017	0.0006	0.0002	0.0002	0.0000	0.0055
35 mph	0.0012	0.0002	0.0005	0.0012	0.0004	0.0001	0.0001	0.0000	0.0036
40 mph	0.0004	0.0000	0.0001	0.0003	0.0001	0.0000	0.0001	0.0000	0.0011
45 mph	0.0003	0.0000	0.0001	0.0003	0.0001	0.0000	0.0001	0.0000	0.0008
50 mph	0.0003	0.0000	0.0001	0.0002	0.0001	0.0000	0.0001	0.0000	0.0008
55 mph	0.0002	0.0000	0.0001	0.0002	0.0001	0.0000	0.0000	0.0000	0.0006
60 mph	0.0005	0.0001	0.0002	0.0004	0.0002	0.0000	0.0000	0.0000	0.0013
65 mph	0.0001	0.0000	0.0000	0.0001	0.0000	0.0000	-	-	0.0002
70 mph	-	-	-	-	-	-	-	-	-
total	0.0093	0.0011	0.0037	0.0089	0.0031	0.0009	0.0012	0.0000	0.0282

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0010)	(0.0001)	(0.0004)	0.0004	0.0002	0.0001	-	-	(0.0009)
15 mph	(0.0007)	(0.0001)	(0.0003)	0.0002	0.0001	0.0000	-	-	(0.0006)
20 mph	(0.0005)	(0.0001)	(0.0002)	0.0002	0.0001	0.0000	0.0002	0.0000	(0.0002)
25 mph	(0.0007)	(0.0001)	(0.0003)	0.0003	0.0001	0.0000	0.0002	0.0000	(0.0004)
30 mph	(0.0011)	(0.0001)	(0.0004)	0.0004	0.0002	0.0001	0.0003	0.0000	(0.0006)
35 mph	(0.0020)	(0.0002)	(0.0008)	0.0007	0.0004	0.0001	0.0002	0.0000	(0.0015)
40 mph	(0.0019)	(0.0002)	(0.0008)	0.0007	0.0004	0.0001	0.0002	0.0000	(0.0015)
45 mph	(0.0014)	(0.0002)	(0.0006)	0.0005	0.0003	0.0001	0.0001	0.0000	(0.0011)
50 mph	(0.0015)	(0.0002)	(0.0006)	0.0006	0.0003	0.0001	0.0001	0.0000	(0.0013)
55 mph	(0.0009)	(0.0001)	(0.0003)	0.0003	0.0002	0.0001	0.0000	0.0000	(0.0007)
60 mph	(0.0005)	(0.0001)	(0.0002)	0.0002	0.0001	0.0000	0.0024	0.0000	0.0019
65 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0000	0.0000	-	-	(0.0002)
70 mph	(0.0101)	(0.0013)	(0.0040)	0.0035	0.0023	0.0006	-	-	(0.0089)
total	(0.0224)	(0.0028)	(0.0089)	0.0080	0.0050	0.0013	0.0037	0.0001	(0.0159)

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0006	0.0002	0.0002	0.0000	0.0011
15 mph	0.0054	0.0006	0.0022	0.0007	0.0003	0.0001	0.0001	0.0000	0.0094
25 mph	-	-	-	-	0.0003	0.0001	0.0002	0.0000	0.0006
35 mph	0.0077	0.0010	0.0031	0.0009	-	-	-	-	0.0127
total	0.0132	0.0016	0.0052	0.0016	0.0012	0.0003	0.0006	0.0000	0.0237

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0006	0.0002	0.0002	0.0000	0.0011
10 mph	0.0005	0.0001	0.0002	0.0018	0.0007	0.0002	0.0002	0.0000	0.0038
15 mph	0.0052	0.0006	0.0021	0.0013	0.0006	0.0002	0.0002	0.0000	0.0100
20 mph	0.0001	0.0000	0.0000	0.0007	0.0003	0.0001	0.0002	0.0000	0.0015
25 mph	0.0014	0.0002	0.0006	0.0023	0.0011	0.0003	0.0007	0.0000	0.0067
30 mph	0.0008	0.0001	0.0003	0.0021	0.0008	0.0002	0.0005	0.0000	0.0048
35 mph	0.0070	0.0009	0.0028	0.0028	0.0008	0.0002	0.0003	0.0000	0.0148
40 mph	(0.0015)	(0.0002)	(0.0006)	0.0010	0.0005	0.0001	0.0003	0.0000	(0.0004)
45 mph	(0.0011)	(0.0001)	(0.0004)	0.0008	0.0004	0.0001	0.0002	0.0000	(0.0003)
50 mph	(0.0013)	(0.0002)	(0.0005)	0.0008	0.0004	0.0001	0.0001	0.0000	(0.0004)
55 mph	(0.0006)	(0.0001)	(0.0003)	0.0005	0.0003	0.0001	0.0001	0.0000	(0.0001)
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0006	0.0003	0.0001	0.0024	0.0000	0.0033
65 mph	(0.0001)	(0.0000)	(0.0001)	0.0001	0.0001	0.0000	-	-	0.0000
70 mph	(0.0101)	(0.0013)	(0.0040)	0.0035	0.0023	0.0006	-	-	(0.0089)
total	0.0001	(0.0000)	0.0001	0.0185	0.0092	0.0025	0.0054	0.0001	0.0359

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0001	0.0028	0.0021	0.0471	0.0367	0.0888
15 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	0.0110	0.0115	0.0240
20 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0010	0.0155	0.0275	0.0453
25 mph	0.0001	0.0000	0.0000	0.0001	0.0053	0.0042	0.0703	0.0984	0.1786
30 mph	0.0001	0.0000	0.0000	0.0001	0.0051	0.0040	0.0571	0.0807	0.1470
35 mph	0.0001	0.0000	0.0000	0.0001	0.0037	0.0029	0.0240	0.0336	0.0644
40 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0009	0.0264	0.0375	0.0660
45 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0007	0.0220	0.0318	0.0554
50 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0007	0.0398	0.0590	0.1004
55 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0006	0.0105	0.0149	0.0267
60 mph	0.0000	0.0000	0.0000	0.0000	0.0015	0.0012	0.0115	0.0174	0.0316
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0006	0.0000	0.0001	0.0006	0.0244	0.0191	0.3349	0.4490	0.8287

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0012	0.0009	-	-	0.0020
15 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0009	0.0007	-	-	0.0015
20 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0007	0.0005	0.0362	0.0644	0.1018
25 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0011	0.0009	0.0524	0.0734	0.1278
30 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0019	0.0015	0.0802	0.1134	0.1970
35 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0039	0.0031	0.0749	0.1051	0.1868
40 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0040	0.0031	0.0680	0.0967	0.1717
45 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0030	0.0024	0.0514	0.0745	0.1313
50 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0034	0.0026	0.0287	0.0425	0.0771
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0019	0.0015	0.0164	0.0232	0.0429
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0012	0.0009	1.2548	1.9048	3.1616
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0005	0.0003	-	-	0.0008
70 mph	(0.0006)	(0.0001)	(0.0001)	0.0003	0.0285	0.0189	-	-	0.0468
total	(0.0014)	(0.0001)	(0.0003)	0.0006	0.0521	0.0373	1.6630	2.4978	4.2491

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0083	0.0062	0.0079	0.0027	0.0251
15 mph	0.0003	0.0000	0.0000	0.0000	0.0017	0.0014	0.0215	0.0227	0.0476
25 mph	-	-	-	-	0.0021	0.0017	0.0550	0.0770	0.1358
35 mph	0.0005	0.0000	0.0001	0.0001	-	-	-	-	0.0007
total	0.0008	0.0001	0.0001	0.0001	0.0121	0.0093	0.0844	0.1023	0.2092

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0083	0.0062	0.0079	0.0027	0.0251
10 mph	0.0000	0.0000	0.0000	0.0001	0.0039	0.0030	0.0471	0.0367	0.0908
15 mph	0.0003	0.0000	0.0000	0.0001	0.0034	0.0027	0.0325	0.0342	0.0732
20 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0016	0.0517	0.0918	0.1471
25 mph	0.0001	0.0000	0.0000	0.0001	0.0086	0.0068	0.1777	0.2488	0.4421
30 mph	0.0000	0.0000	0.0000	0.0001	0.0070	0.0055	0.1373	0.1940	0.3440
35 mph	0.0005	0.0000	0.0001	0.0002	0.0076	0.0060	0.0989	0.1387	0.2520
40 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0051	0.0040	0.0944	0.1342	0.2376
45 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0039	0.0031	0.0734	0.1063	0.1867
50 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0043	0.0033	0.0685	0.1015	0.1775
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0026	0.0020	0.0269	0.0381	0.0696
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0027	0.0021	1.2663	1.9222	3.1933
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0007	0.0005	-	-	0.0012
70 mph	(0.0006)	(0.0001)	(0.0001)	0.0003	0.0285	0.0189	-	-	0.0468
total	(0.0000)	(0.0000)	(0.0001)	0.0012	0.0886	0.0657	2.0823	3.0492	5.2870

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0003	0.0003
15 mph								0.0001	0.0001
20 mph								0.0001	0.0001
25 mph								0.0006	0.0006
30 mph								0.0005	0.0005
35 mph								0.0002	0.0002
40 mph								0.0002	
45 mph								0.0002	
50 mph								0.0003	
55 mph								-	
60 mph								-	
65 mph								-	
70 mph								-	
total	-	-	-	-	-	-	-	0.0025	0.0017

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0003	0.0003
25 mph								0.0004	0.0004
30 mph								0.0007	0.0007
35 mph								0.0007	0.0007
40 mph								0.0006	
45 mph								0.0004	
50 mph								0.0002	
55 mph								-	
60 mph								-	
65 mph								-	
70 mph								-	
total	-	-	-	-	-	-	-	0.0020	0.0020

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
15 mph								0.0001	0.0001
25 mph								0.0005	0.0005
35 mph								-	-
total	-	-	-	-	-	-	-	0.0009	0.0009

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
10 mph								0.0003	0.0003
15 mph								0.0002	0.0002
20 mph								0.0004	0.0004
25 mph								0.0015	0.0015
30 mph								0.0012	0.0012
35 mph								0.0009	0.0009
40 mph								0.0008	0.0008
45 mph								0.0006	0.0006
50 mph								0.0006	0.0006
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0067	0.0067

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0089	0.0064	0.0081	0.0030	0.0264
10 mph	0.0006	0.0001	0.0002	0.0019	0.0046	0.0032	0.0473	0.0370	0.0949
15 mph	0.0054	0.0006	0.0021	0.0014	0.0040	0.0028	0.0326	0.0344	0.0834
20 mph	0.0001	0.0000	0.0000	0.0008	0.0023	0.0017	0.0519	0.0922	0.1490
25 mph	0.0015	0.0002	0.0006	0.0024	0.0097	0.0071	0.1784	0.2503	0.4503
30 mph	0.0008	0.0001	0.0003	0.0023	0.0078	0.0058	0.1377	0.1952	0.3500
35 mph	0.0074	0.0009	0.0029	0.0030	0.0085	0.0062	0.0992	0.1396	0.2676
40 mph	(0.0017)	(0.0002)	(0.0006)	0.0011	0.0057	0.0042	0.0946	0.1350	0.2381
45 mph	(0.0012)	(0.0001)	(0.0005)	0.0008	0.0043	0.0032	0.0736	0.1070	0.1871
50 mph	(0.0013)	(0.0002)	(0.0005)	0.0009	0.0047	0.0034	0.0686	0.1020	0.1777
55 mph	(0.0007)	(0.0001)	(0.0003)	0.0006	0.0029	0.0021	0.0269	0.0381	0.0695
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0007	0.0030	0.0021	1.2687	1.9222	3.1966
65 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0007	0.0005	-	-	0.0012
70 mph	(0.0107)	(0.0013)	(0.0042)	0.0038	0.0308	0.0195	-	-	0.0379
STREX	0.0008	0.0001	0.0003	0.0013	0.0001	0.0000	0.0001	0.0000	0.0027
total	0.0009	0.0000	0.0003	0.0210	0.0980	0.0683	2.0878	3.0560	**5.3323**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0018	0.0027	0.0018	0.0020	0.0004	0.0003	0.0005	0.0018
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0008	0.0001	0.0003	0.0013	0.0001	0.0000	0.0001	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0008	0.0001	0.0003	0.0013	0.0001	0.0000	0.0001	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0932	0.0070	0.0348	0.0797	0.0703	0.0256	0.0548	0.0002
Diesel	0.0008	0.0000	0.0002	0.0016	0.0460	0.0393	0.2645	0.3009
Electric/NG	0.0016	0.0000	0.0003	0.0004	-	-	-	0.0148
Total	0.0956	0.0071	0.0353	0.0817	0.1163	0.0649	0.3193	0.3159

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	(0.3009)	(0.0226)	(0.1124)	0.0981	0.1478	0.0539	0.2568	0.0011
Diesel	(0.0026)	(0.0000)	(0.0007)	0.0019	0.0966	0.0826	1.2390	1.4097
Electric/NG	(0.0050)	(0.0001)	(0.0009)	0.0005	-	-	-	0.0693
Total	(0.3085)	(0.0228)	(0.1139)	0.1004	0.2444	0.1365	1.4958	1.4800

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1311	0.0099	0.0490	0.0136	0.0085	0.0031	0.0116	0.0000
Diesel	0.0011	0.0000	0.0003	0.0003	0.0056	0.0048	0.0559	0.0636
Electric/NG	0.0022	0.0001	0.0004	0.0001	-	-	-	0.0031
Total	0.1345	0.0099	0.0496	0.0139	0.0141	0.0079	0.0675	0.0668

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	(0.0765)	(0.0058)	(0.0286)	0.1914	0.2266	0.0826	0.3232	0.0013	0.7144
Diesel	(0.0007)	(0.0000)	(0.0002)	0.0037	0.1482	0.1267	1.5593	1.7742	3.6112
Electric/NG	(0.0013)	(0.0000)	(0.0002)	0.0009	-	-	-	0.0872	0.0866
Total	(0.0785)	(0.0058)	(0.0290)	0.1961	0.3748	0.2093	1.8826	1.8627	**4.4122**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	1.5962
Internal	2.6246
Total	**4.2208**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0069	0.0049	0.0062	0.0023	0.0203
10 mph	0.0004	0.0000	0.0001	0.0012	0.0036	0.0025	0.0364	0.0285	0.0727
15 mph	0.0035	0.0004	0.0013	0.0009	0.0031	0.0022	0.0251	0.0265	0.0630
20 mph	0.0001	0.0000	0.0000	0.0005	0.0017	0.0013	0.0400	0.0710	0.1146
25 mph	0.0010	0.0001	0.0004	0.0016	0.0075	0.0055	0.1374	0.1927	0.3461
30 mph	0.0005	0.0001	0.0002	0.0015	0.0060	0.0044	0.1061	0.1503	0.2690
35 mph	0.0048	0.0006	0.0018	0.0019	0.0065	0.0048	0.0764	0.1075	0.2042
40 mph	(0.0011)	(0.0001)	(0.0004)	0.0007	0.0044	0.0032	0.0729	0.1040	0.1835
45 mph	(0.0008)	(0.0001)	(0.0003)	0.0005	0.0033	0.0024	0.0566	0.0824	0.1442
50 mph	(0.0009)	(0.0001)	(0.0003)	0.0006	0.0036	0.0026	0.0528	0.0786	0.1370
55 mph	(0.0004)	(0.0001)	(0.0002)	0.0004	0.0022	0.0016	0.0207	0.0293	0.0536
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0004	0.0023	0.0016	0.9769	1.4801	2.4613
65 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0006	0.0004	-	-	0.0009
70 mph	(0.0068)	(0.0009)	(0.0027)	0.0024	0.0237	0.0150	-	-	0.0308
total	0.0000	(0.0000)	(0.0000)	0.0126	0.0754	0.0526	1.6076	2.3531	4.1012

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2021 (Net) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	325	2.40	0.32	0.0005	0.2	0.0019	0.6
2	L	457	2.40	0.32	0.0005	0.2	0.0019	0.9
3	L	433	2.40	0.32	0.0005	0.2	0.0019	0.8
5	L	701	2.40	0.32	0.0005	0.3	0.0019	1.3
6	L	1,405	2.40	0.32	0.0005	0.7	0.0019	2.7
8	L	1,047	2.40	0.32	0.0005	0.5	0.0019	2.0
11	L	(211)	2.40	0.32	0.0005	-0.1	0.0019	-0.4
12	L	(322)	2.40	0.32	0.0005	-0.2	0.0019	-0.6
14	L	(172)	2.40	0.32	0.0005	-0.1	0.0019	-0.3
18	L	182	2.40	0.32	0.0005	0.1	0.0019	0.3
19	L	867	2.40	0.32	0.0005	0.4	0.0019	1.7
21	L	446	2.40	0.32	0.0005	0.2	0.0019	0.8
24	L	1,002	2.40	0.32	0.0005	0.5	0.0019	1.9
30	L	(984)	2.40	0.32	0.0005	-0.5	0.0019	-1.9
29	L	471	2.40	0.32	0.0005	0.2	0.0019	0.9
31	L	(34)	2.40	0.32	0.0005	0.0	0.0019	-0.1
TOTAL						2.6		10.7

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2021 (Net) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	14,394	2.40	0.032	0.0001	0.83	0.0002	3.37
Freeway	F	26,605	2.40	0.015	0.0000	0.77	0.0001	3.13
TOTAL		40,999				1.60		6.50

World Logistics Center
Mobile Emissions - 2021 (Net) - Unmitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0082	0.0167	0.0130	0.0159	0.0204	0.0227	0.0427	0.2442
15 mph	0.0072	0.0144	0.0113	0.0139	0.0181	0.0201	0.0374	0.2178
20 mph	0.0065	0.0127	0.0101	0.0124	0.0165	0.0182	0.0337	0.1987
25 mph	0.0059	0.0115	0.0091	0.0112	0.0153	0.0166	0.0302	0.1867
30 mph	0.0055	0.0106	0.0084	0.0104	0.0144	0.0155	0.0276	0.1777
35 mph	0.0051	0.0100	0.0079	0.0098	0.0138	0.0146	0.0256	0.1720
40 mph	0.0049	0.0096	0.0076	0.0094	0.0133	0.0141	0.0247	0.1669
45 mph	0.0048	0.0094	0.0073	0.0091	0.0130	0.0136	0.0235	0.1650
50 mph	0.0047	0.0095	0.0073	0.0091	0.0131	0.0136	0.0238	0.1649
55 mph	0.0048	0.0098	0.0074	0.0093	0.0133	0.0137	0.0235	0.1691
60 mph	0.0050	0.0104	0.0078	0.0098	0.0139	0.0144	0.0252	0.1735
65 mph	0.0052	0.0111	0.0082	0.0103	0.0146	0.0151	0.0267	0.1790
70 mph	0.0053	0.0130	0.0086	0.0108	0.0161	0.0149	0.0302	0.1881

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0687	0.1425	0.0933	0.1163	0.1587	0.1775	0.3132	0.5509
15 mph	0.0565	0.1184	0.0774	0.0985	0.1034	0.1179	0.2496	0.3941
20 mph	0.0463	0.0972	0.0636	0.0818	0.0881	0.1006	0.2121	0.3214
25 mph	0.0388	0.0813	0.0533	0.0693	0.0783	0.0897	0.1865	0.2789
30 mph	0.0336	0.0700	0.0461	0.0600	0.0711	0.0810	0.1663	0.2468
35 mph	0.0304	0.0629	0.0416	0.0546	0.0713	0.0811	0.1506	0.2296
40 mph	0.0284	0.0586	0.0388	0.0511	0.0694	0.0782	0.1393	0.2100
45 mph	0.0275	0.0565	0.0374	0.0491	0.0677	0.0752	0.1324	0.1983
50 mph	0.0276	0.0566	0.0375	0.0494	0.0711	0.0781	0.1301	0.1900
55 mph	0.0288	0.0591	0.0392	0.0521	0.0742	0.0808	0.1321	0.1936
60 mph	0.0313	0.0641	0.0424	0.0564	0.0749	0.0810	0.1385	0.2017
65 mph	0.0351	0.0715	0.0477	0.0635	0.0761	0.0814	0.1490	0.2155
70 mph	0.0381	0.0748	0.0511	0.0692	0.0771	0.0824	0.1499	0.2172

*US EPA Emission Factors for Greenhouse Gas Inventories. (idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								1.0055
15 mph								0.8437
20 mph								0.7353
25 mph								0.6761
30 mph								0.6380
35 mph								0.6079
40 mph								0.5832
45 mph								0.5627
50 mph								0.5453
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0022	0.0003	0.0013	0.0036	0.0021	0.0007	0.0024	0.0001	0.0126
15 mph	0.0008	0.0001	0.0004	0.0012	0.0007	0.0003	0.0007	0.0000	0.0043
20 mph	0.0014	0.0002	0.0008	0.0022	0.0013	0.0005	0.0013	0.0001	0.0077
25 mph	0.0062	0.0009	0.0036	0.0101	0.0062	0.0021	0.0062	0.0003	0.0356
30 mph	0.0063	0.0009	0.0036	0.0103	0.0064	0.0022	0.0051	0.0003	0.0351
35 mph	0.0049	0.0007	0.0028	0.0079	0.0050	0.0017	0.0021	0.0001	0.0252
40 mph	0.0015	0.0002	0.0009	0.0025	0.0016	0.0005	0.0023	0.0001	0.0098
45 mph	0.0012	0.0002	0.0007	0.0020	0.0013	0.0004	0.0017	0.0001	0.0078
50 mph	0.0012	0.0002	0.0007	0.0020	0.0013	0.0004	0.0029	0.0002	0.0090
55 mph	0.0010	0.0002	0.0006	0.0017	0.0011	0.0003	0.0007	0.0000	0.0055
60 mph	0.0021	0.0003	0.0012	0.0035	0.0023	0.0007	0.0007	0.0000	0.0109
65 mph	0.0003	0.0000	0.0002	0.0005	0.0003	0.0001	-	-	0.0013
70 mph	-	-	-	-	-	-	-	-	-
total	0.0290	0.0043	0.0168	0.0476	0.0296	0.0100	0.0261	0.0013	0.1648

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0014)	(0.0002)	(0.0008)	0.0009	0.0009	0.0003	-	-	(0.0004)
15 mph	(0.0012)	(0.0002)	(0.0007)	0.0008	0.0008	0.0003	-	-	(0.0003)
20 mph	(0.0011)	(0.0002)	(0.0006)	0.0007	0.0007	0.0002	0.0029	0.0001	0.0028
25 mph	(0.0020)	(0.0003)	(0.0012)	0.0012	0.0013	0.0004	0.0046	0.0002	0.0044
30 mph	(0.0037)	(0.0005)	(0.0021)	0.0023	0.0024	0.0008	0.0072	0.0004	0.0068
35 mph	(0.0078)	(0.0012)	(0.0045)	0.0049	0.0053	0.0018	0.0067	0.0004	0.0054
40 mph	(0.0083)	(0.0012)	(0.0048)	0.0052	0.0057	0.0019	0.0059	0.0003	0.0046
45 mph	(0.0064)	(0.0010)	(0.0037)	0.0040	0.0044	0.0015	0.0041	0.0002	0.0031
50 mph	(0.0072)	(0.0011)	(0.0042)	0.0045	0.0050	0.0016	0.0021	0.0001	0.0009
55 mph	(0.0040)	(0.0006)	(0.0023)	0.0026	0.0028	0.0009	0.0010	0.0001	0.0004
60 mph	(0.0025)	(0.0004)	(0.0015)	0.0016	0.0018	0.0006	0.0771	0.0041	0.0808
65 mph	(0.0009)	(0.0001)	(0.0005)	0.0006	0.0006	0.0002	-	-	(0.0002)
70 mph	(0.0417)	(0.0076)	(0.0249)	0.0273	0.0315	0.0092	-	-	(0.0062)
total	(0.0884)	(0.0146)	(0.0519)	0.0565	0.0632	0.0197	0.1117	0.0059	0.1022

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0002	0.0001	0.0001	0.0000	0.0004
15 mph	0.0101	0.0015	0.0059	0.0021	0.0015	0.0005	0.0014	0.0001	0.0231
25 mph	-	-	-	-	0.0025	0.0008	0.0048	0.0002	0.0084
35 mph	0.0308	0.0045	0.0177	0.0060	-	-	-	-	0.0590
total	0.0409	0.0060	0.0236	0.0081	0.0042	0.0015	0.0063	0.0003	0.0909

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0002	0.0001	0.0001	0.0000	0.0004
10 mph	0.0008	0.0001	0.0005	0.0045	0.0029	0.0010	0.0024	0.0001	0.0122
15 mph	0.0096	0.0014	0.0056	0.0042	0.0030	0.0011	0.0021	0.0001	0.0271
20 mph	0.0003	0.0000	0.0002	0.0029	0.0020	0.0007	0.0042	0.0002	0.0105
25 mph	0.0042	0.0006	0.0024	0.0113	0.0099	0.0034	0.0156	0.0008	0.0483
30 mph	0.0026	0.0004	0.0015	0.0126	0.0089	0.0030	0.0123	0.0006	0.0419
35 mph	0.0278	0.0041	0.0160	0.0187	0.0103	0.0034	0.0088	0.0005	0.0897
40 mph	(0.0068)	(0.0010)	(0.0039)	0.0077	0.0073	0.0024	0.0082	0.0004	0.0144
45 mph	(0.0052)	(0.0008)	(0.0030)	0.0061	0.0057	0.0019	0.0058	0.0003	0.0109
50 mph	(0.0059)	(0.0009)	(0.0034)	0.0066	0.0064	0.0021	0.0050	0.0003	0.0099
55 mph	(0.0030)	(0.0005)	(0.0018)	0.0042	0.0039	0.0013	0.0017	0.0001	0.0059
60 mph	(0.0004)	(0.0001)	(0.0003)	0.0051	0.0040	0.0013	0.0778	0.0042	0.0917
65 mph	(0.0006)	(0.0001)	(0.0004)	0.0010	0.0009	0.0003	-	-	0.0012
70 mph	(0.0417)	(0.0076)	(0.0249)	0.0273	0.0315	0.0092	-	-	(0.0062)
total	(0.0184)	(0.0043)	(0.0115)	0.1122	0.0971	0.0312	0.1441	0.0075	0.3579

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0002	0.0000	0.0001	0.0005	0.0102	0.0085	0.0844	0.2850	0.3888
15 mph	0.0001	0.0000	0.0000	0.0002	0.0027	0.0022	0.0224	0.0679	0.0955
20 mph	0.0001	0.0000	0.0000	0.0003	0.0045	0.0038	0.0381	0.1108	0.1577
25 mph	0.0003	0.0000	0.0001	0.0012	0.0201	0.0171	0.1843	0.5290	0.7523
30 mph	0.0003	0.0000	0.0001	0.0012	0.0201	0.0170	0.1494	0.4256	0.6137
35 mph	0.0002	0.0000	0.0001	0.0009	0.0165	0.0139	0.0609	0.1781	0.2706
40 mph	0.0001	0.0000	0.0000	0.0003	0.0054	0.0045	0.0626	0.1810	0.2538
45 mph	0.0001	0.0000	0.0000	0.0002	0.0044	0.0036	0.0476	0.1368	0.1926
50 mph	0.0001	0.0000	0.0000	0.0002	0.0046	0.0037	0.0760	0.2129	0.2975
55 mph	0.0001	0.0000	0.0000	0.0002	0.0038	0.0031	0.0178	0.0501	0.0750
60 mph	0.0001	0.0000	0.0000	0.0004	0.0077	0.0062	0.0187	0.0522	0.0853
65 mph	0.0000	0.0000	0.0000	0.0001	0.0010	0.0008	-	-	0.0018
70 mph	-	-	-	-	-	-	-	-	-
total	0.0016	0.0000	0.0006	0.0055	0.1009	0.0844	0.7622	2.2294	3.1846

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0043	0.0036	-	-	0.0078
15 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0028	0.0024	-	-	0.0052
20 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0024	0.0020	0.0893	0.2596	0.3533
25 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0042	0.0036	0.1374	0.3943	0.5395
30 mph	(0.0002)	(0.0000)	(0.0001)	0.0003	0.0077	0.0065	0.2100	0.5981	0.8223
35 mph	(0.0004)	(0.0000)	(0.0001)	0.0005	0.0173	0.0146	0.1901	0.5564	0.7785
40 mph	(0.0004)	(0.0000)	(0.0001)	0.0005	0.0188	0.0157	0.1613	0.4665	0.6622
45 mph	(0.0003)	(0.0000)	(0.0001)	0.0004	0.0146	0.0121	0.1115	0.3203	0.4585
50 mph	(0.0004)	(0.0000)	(0.0001)	0.0005	0.0173	0.0141	0.0548	0.1535	0.2396
55 mph	(0.0002)	(0.0000)	(0.0001)	0.0003	0.0100	0.0081	0.0278	0.0782	0.1241
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0002	0.0061	0.0049	2.0411	5.7036	7.7556
65 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0021	0.0016	-	-	0.0037
70 mph	(0.0025)	(0.0000)	(0.0009)	0.0034	0.0958	0.0760	-	-	0.1718
total	(0.0050)	(0.0001)	(0.0017)	0.0067	0.2034	0.1650	3.0233	8.5305	11.9220

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0001	0.0000	0.0002	0.0003	0.0006
15 mph	0.0007	0.0000	0.0002	0.0003	0.0056	0.0047	0.0441	0.1335	0.1891
25 mph	-	-	-	-	0.0080	0.0068	0.1442	0.4137	0.5726
35 mph	0.0016	0.0000	0.0005	0.0006	-	-	-	-	0.0028
total	0.0022	0.0000	0.0008	0.0009	0.0136	0.0116	0.1884	0.5476	0.7651

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0001	0.0000	0.0002	0.0003	0.0006
10 mph	0.0001	0.0000	0.0000	0.0006	0.0145	0.0120	0.0844	0.2850	0.3966
15 mph	0.0006	0.0000	0.0002	0.0006	0.0110	0.0093	0.0665	0.2015	0.2898
20 mph	0.0000	0.0000	0.0000	0.0004	0.0069	0.0058	0.1274	0.3704	0.5110
25 mph	0.0002	0.0000	0.0001	0.0014	0.0324	0.0275	0.4659	1.3370	1.8644
30 mph	0.0001	0.0000	0.0000	0.0014	0.0278	0.0235	0.3594	1.0237	1.4360
35 mph	0.0014	0.0000	0.0005	0.0020	0.0338	0.0285	0.2510	0.7345	1.0519
40 mph	(0.0003)	(0.0000)	(0.0001)	0.0008	0.0241	0.0201	0.2239	0.6475	0.9160
45 mph	(0.0003)	(0.0000)	(0.0001)	0.0006	0.0190	0.0156	0.1591	0.4571	0.6511
50 mph	(0.0003)	(0.0000)	(0.0001)	0.0007	0.0219	0.0178	0.1307	0.3664	0.5371
55 mph	(0.0002)	(0.0000)	(0.0001)	0.0005	0.0139	0.0112	0.0456	0.1283	0.1992
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0006	0.0138	0.0110	2.0598	5.7557	7.8408
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0030	0.0024	-	-	0.0055
70 mph	(0.0025)	(0.0000)	(0.0009)	0.0034	0.0958	0.0760	-	-	0.1718
total	(0.0012)	(0.0000)	(0.0004)	0.0131	0.3180	0.2609	3.9739	11.3074	15.8718

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0252	0.0252
15 mph								0.0070	0.0070
20 mph								0.0123	0.0123
25 mph								0.0620	0.0620
30 mph								0.0532	0.0532
35 mph								0.0228	0.0228
40 mph								0.0243	0.0243
45 mph								0.0188	0.0188
50 mph								0.0296	0.0296
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.2552	0.2552

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0287	0.0287
25 mph								0.0462	0.0462
30 mph								0.0748	0.0748
35 mph								0.0713	0.0713
40 mph								0.0627	0.0627
45 mph								0.0440	0.0440
50 mph								0.0213	0.0213
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.2211	0.2211

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0000	0.0000
15 mph								0.0138	0.0138
25 mph								0.0485	0.0485
35 mph								-	-
total	-	-	-	-	-	-	-	0.0624	0.0624

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0000	0.0000
10 mph								0.0252	0.0252
15 mph								0.0209	0.0209
20 mph								0.0410	0.0410
25 mph								0.1568	0.1568
30 mph								0.1280	0.1280
35 mph								0.0941	0.0941
40 mph								0.0870	0.0870
45 mph								0.0628	0.0628
50 mph								0.0509	0.0509
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.6667	0.6667

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0003	0.0001	0.0003	0.0004	0.0010
10 mph	0.0008	0.0001	0.0005	0.0051	0.0174	0.0130	0.0868	0.3102	0.4340
15 mph	0.0103	0.0014	0.0059	0.0047	0.0141	0.0104	0.0686	0.2225	0.3378
20 mph	0.0003	0.0000	0.0002	0.0033	0.0090	0.0066	0.1316	0.4116	0.5625
25 mph	0.0044	0.0006	0.0025	0.0127	0.0423	0.0309	0.4815	1.4945	2.0695
30 mph	0.0027	0.0004	0.0015	0.0140	0.0367	0.0265	0.3717	1.1524	1.6059
35 mph	0.0293	0.0041	0.0165	0.0208	0.0441	0.0320	0.2599	0.8291	1.2356
40 mph	(0.0071)	(0.0010)	(0.0040)	0.0085	0.0314	0.0226	0.2321	0.7350	1.0174
45 mph	(0.0055)	(0.0008)	(0.0031)	0.0067	0.0247	0.0175	0.1649	0.5202	0.7248
50 mph	(0.0062)	(0.0009)	(0.0035)	0.0073	0.0282	0.0199	0.1357	0.4175	0.5979
55 mph	(0.0032)	(0.0005)	(0.0018)	0.0047	0.0178	0.0124	0.0473	0.1284	0.2051
60 mph	(0.0005)	(0.0001)	(0.0003)	0.0057	0.0178	0.0124	2.1376	5.7599	7.9325
65 mph	(0.0006)	(0.0001)	(0.0004)	0.0012	0.0040	0.0027	-	-	0.0067
70 mph	(0.0443)	(0.0076)	(0.0258)	0.0308	0.1274	0.0852	-	-	0.1656
STREX	0.0123	0.0011	0.0060	0.0250	0.0104	0.0032	0.0034	0.0000	0.0613
total	(0.0073)	(0.0032)	(0.0059)	0.1503	0.4254	0.2953	4.1214	11.9816	**16.9576**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0267	0.0306	0.0349	0.0381	0.0421	0.0416	0.0288	0.0197
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0123	0.0011	0.0060	0.0250	0.0104	0.0032	0.0034	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0123	0.0011	0.0060	0.0250	0.0104	0.0032	0.0034	0.0000

World Logistics Center
Mobile Emissions - 2021 (Net) - Unmitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					2.3801	2.3940	3.3301	4.3649
10 mph	0.0141	0.0331	0.0214	0.0285	0.0297	0.0244	0.0686	0.5596
15 mph	0.0095	0.0225	0.0144	0.0194	0.0203	0.0166	0.0453	0.3755
20 mph	0.0067	0.0162	0.0103	0.0139	0.0148	0.0119	0.0320	0.2671
25 mph	0.0049	0.0122	0.0076	0.0103	0.0112	0.0088	0.0233	0.2053
30 mph	0.0038	0.0097	0.0059	0.0080	0.0089	0.0069	0.0178	0.1649
35 mph	0.0031	0.0081	0.0049	0.0066	0.0075	0.0057	0.0144	0.1403
40 mph	0.0027	0.0071	0.0042	0.0057	0.0067	0.0050	0.0127	0.1235
45 mph	0.0025	0.0065	0.0039	0.0053	0.0062	0.0046	0.0114	0.1162
50 mph	0.0024	0.0063	0.0038	0.0051	0.0062	0.0045	0.0115	0.1129
55 mph	0.0024	0.0063	0.0038	0.0052	0.0063	0.0046	0.0113	0.1180
60 mph	0.0026	0.0065	0.0040	0.0055	0.0068	0.0050	0.0127	0.1239
65 mph	0.0028	0.0072	0.0044	0.0060	0.0079	0.0057		
70 mph	0.0030	0.0087	0.0047	0.0062	0.0080	0.0052		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0458	0.1147
10 mph	0.0070	0.0269	0.0092	0.0063	0.0249	0.0250	0.0465	0.0307
15 mph	0.0038	0.0189	0.0047	0.0032	0.0137	0.0136	0.0243	0.0213
20 mph	0.0019	0.0139	0.0020	0.0014	0.0072	0.0070	0.0118	0.0143
25 mph	0.0013	0.0111	0.0013	0.0009	0.0051	0.0049	0.0086	0.0091
30 mph	0.0010	0.0093	0.0010	0.0007	0.0041	0.0039	0.0070	0.0073
35 mph	0.0008	0.0083	0.0008	0.0006	0.0035	0.0033	0.0058	0.0057
40 mph	0.0007	0.0076	0.0007	0.0005	0.0031	0.0029	0.0049	0.0047
45 mph	0.0007	0.0072	0.0006	0.0004	0.0029	0.0027	0.0043	0.0040
50 mph	0.0006	0.0072	0.0005	0.0004	0.0028	0.0026	0.0040	0.0037
55 mph	0.0006	0.0076	0.0005	0.0004	0.0028	0.0026	0.0040	0.0035
60 mph	0.0006	0.0082	0.0005	0.0004	0.0030	0.0027	0.0042	0.0037
65 mph	0.0007	0.0096	0.0005	0.0004	0.0035	0.0031		
70 mph	0.0006	0.0117	0.0007	0.0004	0.0048	0.0040		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								2.0880
10 mph								13.8852
15 mph								9.1611
20 mph								6.2185
25 mph								4.5754
30 mph								3.4337
35 mph								2.5849
40 mph								1.9560
45 mph								1.4931
50 mph								1.1567
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0037	0.0007	0.0021	0.0064	0.0030	0.0008	0.0038	0.0002	0.0207
15 mph	0.0010	0.0002	0.0006	0.0017	0.0008	0.0002	0.0008	0.0001	0.0054
20 mph	0.0014	0.0003	0.0008	0.0025	0.0012	0.0003	0.0012	0.0001	0.0077
25 mph	0.0052	0.0010	0.0030	0.0092	0.0045	0.0011	0.0048	0.0003	0.0291
30 mph	0.0044	0.0008	0.0026	0.0079	0.0040	0.0010	0.0033	0.0002	0.0242
35 mph	0.0030	0.0006	0.0017	0.0053	0.0027	0.0007	0.0012	0.0001	0.0152
40 mph	0.0009	0.0002	0.0005	0.0015	0.0008	0.0002	0.0012	0.0001	0.0053
45 mph	0.0007	0.0001	0.0004	0.0012	0.0006	0.0001	0.0009	0.0001	0.0040
50 mph	0.0006	0.0001	0.0004	0.0012	0.0006	0.0001	0.0014	0.0001	0.0046
55 mph	0.0005	0.0001	0.0003	0.0009	0.0005	0.0001	0.0003	0.0000	0.0028
60 mph	0.0011	0.0002	0.0006	0.0020	0.0011	0.0003	0.0004	0.0000	0.0056
65 mph	0.0001	0.0000	0.0001	0.0003	0.0002	0.0000	-	-	0.0007
70 mph	-	-	-	-	-	-	-	-	-
total	0.0225	0.0042	0.0130	0.0402	0.0201	0.0049	0.0193	0.0013	0.1256

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0024)	(0.0004)	(0.0014)	0.0016	0.0013	0.0003	-	-	(0.0010)
15 mph	(0.0016)	(0.0003)	(0.0009)	0.0011	0.0009	0.0002	-	-	(0.0006)
20 mph	(0.0011)	(0.0002)	(0.0006)	0.0008	0.0006	0.0002	0.0028	0.0002	0.0025
25 mph	(0.0017)	(0.0003)	(0.0010)	0.0011	0.0010	0.0002	0.0036	0.0002	0.0032
30 mph	(0.0026)	(0.0005)	(0.0015)	0.0018	0.0015	0.0004	0.0047	0.0003	0.0041
35 mph	(0.0048)	(0.0009)	(0.0028)	0.0033	0.0029	0.0007	0.0038	0.0003	0.0024
40 mph	(0.0046)	(0.0009)	(0.0027)	0.0032	0.0028	0.0007	0.0031	0.0002	0.0018
45 mph	(0.0034)	(0.0007)	(0.0020)	0.0023	0.0021	0.0005	0.0020	0.0002	0.0011
50 mph	(0.0037)	(0.0007)	(0.0022)	0.0026	0.0024	0.0005	0.0010	0.0001	(0.0000)
55 mph	(0.0021)	(0.0004)	(0.0012)	0.0014	0.0013	0.0003	0.0005	0.0000	(0.0001)
60 mph	(0.0013)	(0.0003)	(0.0008)	0.0009	0.0009	0.0002	0.0388	0.0029	0.0414
65 mph	(0.0005)	(0.0001)	(0.0003)	0.0003	0.0003	0.0001	-	-	(0.0001)
70 mph	(0.0232)	(0.0051)	(0.0136)	0.0158	0.0157	0.0032	-	-	(0.0071)
total	(0.0528)	(0.0108)	(0.0308)	0.0362	0.0336	0.0075	0.0602	0.0045	0.0476

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0402	0.0127	0.0250	0.0004	0.0783
15 mph	0.0132	0.0024	0.0075	0.0030	0.0017	0.0004	0.0017	0.0001	0.0300
25 mph	-	-	-	-	0.0018	0.0004	0.0037	0.0003	0.0062
35 mph	0.0187	0.0036	0.0109	0.0040	-	-	-	-	0.0373
total	0.0319	0.0060	0.0184	0.0070	0.0437	0.0136	0.0304	0.0007	0.1518

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0402	0.0127	0.0250	0.0004	0.0783
10 mph	0.0013	0.0002	0.0007	0.0080	0.0043	0.0011	0.0038	0.0002	0.0197
15 mph	0.0126	0.0023	0.0072	0.0058	0.0034	0.0009	0.0025	0.0002	0.0348
20 mph	0.0003	0.0000	0.0002	0.0033	0.0018	0.0005	0.0040	0.0003	0.0103
25 mph	0.0035	0.0007	0.0020	0.0104	0.0073	0.0018	0.0121	0.0008	0.0385
30 mph	0.0018	0.0003	0.0011	0.0097	0.0055	0.0013	0.0080	0.0006	0.0283
35 mph	0.0169	0.0033	0.0098	0.0126	0.0056	0.0013	0.0050	0.0004	0.0549
40 mph	(0.0037)	(0.0007)	(0.0022)	0.0047	0.0036	0.0009	0.0042	0.0003	0.0071
45 mph	(0.0027)	(0.0005)	(0.0016)	0.0035	0.0027	0.0006	0.0029	0.0002	0.0051
50 mph	(0.0031)	(0.0006)	(0.0018)	0.0037	0.0030	0.0007	0.0024	0.0002	0.0045
55 mph	(0.0016)	(0.0003)	(0.0009)	0.0024	0.0018	0.0004	0.0008	0.0001	0.0027
60 mph	(0.0002)	(0.0000)	(0.0001)	0.0029	0.0020	0.0005	0.0392	0.0030	0.0471
65 mph	(0.0003)	(0.0001)	(0.0002)	0.0006	0.0005	0.0001	-	-	0.0006
70 mph	(0.0232)	(0.0051)	(0.0136)	0.0158	0.0157	0.0032	-	-	(0.0071)
total	0.0016	(0.0006)	0.0006	0.0834	0.0974	0.0261	0.1098	0.0066	0.3249

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0012	0.0125	0.0159	0.0312
15 mph	0.0000	0.0000	0.0000	0.0000	0.0004	0.0003	0.0022	0.0037	0.0065
20 mph	0.0000	0.0000	0.0000	0.0000	0.0004	0.0003	0.0021	0.0049	0.0077
25 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0009	0.0085	0.0173	0.0282
30 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0008	0.0063	0.0125	0.0209
35 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	0.0023	0.0044	0.0081
40 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0022	0.0040	0.0066
45 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0001	0.0015	0.0027	0.0046
50 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0001	0.0024	0.0041	0.0068
55 mph	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0005	0.0009	0.0017
60 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	0.0006	0.0010	0.0020
65 mph	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-	-	0.0001
70 mph	-	-	-	-	-	-	-	-	-
total	0.0001	0.0000	0.0000	0.0001	0.0067	0.0048	0.0413	0.0714	0.1244

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0007	0.0005	-	-	0.0012
15 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0004	0.0003	-	-	0.0006
20 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0002	0.0001	0.0050	0.0115	0.0168
25 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0003	0.0002	0.0064	0.0129	0.0198
30 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0004	0.0003	0.0089	0.0176	0.0272
35 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0009	0.0006	0.0073	0.0138	0.0225
40 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0008	0.0006	0.0057	0.0104	0.0175
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0006	0.0004	0.0036	0.0064	0.0111
50 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0007	0.0005	0.0017	0.0030	0.0058
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0004	0.0003	0.0009	0.0014	0.0029
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0002	0.0002	0.0619	0.1052	0.1674
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0001	0.0001	-	-	0.0002
70 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0060	0.0037	-	-	0.0096
total	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0117	0.0077	0.1012	0.1821	0.3026

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0016	0.0012	0.0017	0.0080	0.0124
15 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0043	0.0072	0.0129
25 mph	-	-	-	-	0.0005	0.0004	0.0067	0.0136	0.0211
35 mph	0.0000	0.0000	0.0000	0.0000	-	-	-	-	0.0001
total	0.0001	0.0000	0.0000	0.0000	0.0028	0.0021	0.0126	0.0287	0.0464

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0016	0.0012	0.0017	0.0080	0.0124
10 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0017	0.0125	0.0159	0.0324
15 mph	0.0000	0.0000	0.0000	0.0000	0.0015	0.0011	0.0065	0.0109	0.0200
20 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	0.0071	0.0164	0.0245
25 mph	0.0000	0.0000	0.0000	0.0000	0.0021	0.0015	0.0216	0.0438	0.0691
30 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0011	0.0152	0.0301	0.0481
35 mph	0.0000	0.0000	0.0000	0.0000	0.0017	0.0012	0.0097	0.0182	0.0307
40 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0011	0.0008	0.0079	0.0144	0.0241
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0008	0.0006	0.0051	0.0092	0.0157
50 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0009	0.0006	0.0041	0.0071	0.0126
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0005	0.0004	0.0014	0.0023	0.0046
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0005	0.0004	0.0624	0.1061	0.1695
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0001	0.0001	-	-	0.0002
70 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0060	0.0037	-	-	0.0096
total	0.0000	(0.0000)	0.0000	0.0002	0.0213	0.0145	0.1551	0.2823	0.4734

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.3475	0.3475
15 mph								0.0764	0.0764
20 mph								0.1038	0.1038
25 mph								0.4199	0.4199
30 mph								0.2865	0.2865
35 mph								0.0970	0.0970
40 mph								0.0816	0.0816
45 mph								0.0498	0.0498
50 mph								0.0627	0.0627
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.5252	1.5252

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.2431	0.2431
25 mph								0.3130	0.3130
30 mph								0.4026	0.4026
35 mph								0.3031	0.3031
40 mph								0.2102	0.2102
45 mph								0.1167	0.1167
50 mph								0.0452	0.0452
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.2617	1.2617

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0070	0.0070
15 mph								0.1502	0.1502
25 mph								0.3283	0.3283
35 mph								-	-
total	-	-	-	-	-	-	-	0.4856	0.4856

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0070	0.0070
10 mph								0.3475	0.3475
15 mph								0.2267	0.2267
20 mph								0.3468	0.3468
25 mph								1.0612	1.0612
30 mph								0.6891	0.6891
35 mph								0.4001	0.4001
40 mph								0.2918	0.2918
45 mph								0.1665	0.1665
50 mph								0.1079	0.1079
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.6447	3.6447

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0418	0.0139	0.0267	0.0154	0.0977
10 mph	0.0013	0.0002	0.0007	0.0080	0.0065	0.0028	0.0164	0.3636	0.3996
15 mph	0.0126	0.0023	0.0072	0.0058	0.0049	0.0020	0.0090	0.2377	0.2814
20 mph	0.0003	0.0000	0.0002	0.0033	0.0024	0.0009	0.0111	0.3635	0.3816
25 mph	0.0035	0.0007	0.0020	0.0104	0.0094	0.0033	0.0337	1.1058	1.1687
30 mph	0.0018	0.0003	0.0011	0.0097	0.0071	0.0025	0.0232	0.7197	0.7655
35 mph	0.0169	0.0033	0.0098	0.0126	0.0073	0.0025	0.0146	0.4187	0.4858
40 mph	(0.0038)	(0.0007)	(0.0022)	0.0047	0.0047	0.0016	0.0121	0.3065	0.3230
45 mph	(0.0027)	(0.0005)	(0.0016)	0.0035	0.0036	0.0012	0.0080	0.1759	0.1874
50 mph	(0.0031)	(0.0006)	(0.0018)	0.0037	0.0039	0.0013	0.0065	0.1152	0.1251
55 mph	(0.0016)	(0.0003)	(0.0009)	0.0024	0.0024	0.0008	0.0022	0.0024	0.0073
60 mph	(0.0002)	(0.0000)	(0.0001)	0.0029	0.0025	0.0008	0.1016	0.1091	0.2165
65 mph	(0.0003)	(0.0001)	(0.0002)	0.0006	0.0006	0.0002	-	-	0.0009
70 mph	(0.0232)	(0.0051)	(0.0136)	0.0158	0.0217	0.0069	-	-	0.0025
STREX	0.0263	0.0029	0.0130	0.0608	0.0066	0.0021	0.0048	0.0000	0.1165
total	0.0279	0.0023	0.0137	0.1444	0.1253	0.0427	0.2698	3.9335	**4.5596**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0572	0.0839	0.0761	0.0930	0.0268	0.0265	0.0412	0.0002
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0263	0.0029	0.0130	0.0608	0.0066	0.0021	0.0048	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0263	0.0029	0.0130	0.0608	0.0066	0.0021	0.0048	0.0000

World Logistics Center
Mobile Emissions - 2021 (Net) - Unmitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,612.32	5,379.12	13,760.96	24,934.94
10 mph	523.46	609.21	662.93	808.65	1,537.23	1,766.50	3,210.75	4,050.64
15 mph	428.27	498.13	542.06	660.88	1,256.13	1,443.22	2,625.64	3,316.01
20 mph	356.10	414.21	450.70	549.49	1,044.08	1,199.73	2,181.47	2,759.91
25 mph	304.59	354.45	385.51	470.38	892.57	1,025.64	1,865.22	2,361.51
30 mph	270.31	314.71	342.17	417.92	792.19	910.31	1,655.76	2,095.62
35 mph	250.63	291.99	317.32	388.10	734.61	844.17	1,534.96	1,941.29
40 mph	242.88	282.96	307.46	376.09	711.14	817.22	1,485.66	1,877.00
45 mph	244.18	284.25	308.91	377.73	713.69	820.16	1,490.89	1,879.61
50 mph	251.63	292.95	318.26	389.41	734.86	844.13	1,534.32	1,932.67
55 mph	261.42	304.35	330.71	404.96	765.13	878.82	1,595.53	2,010.34
60 mph	268.92	313.33	340.87	417.90	796.03	914.28	1,660.46	2,091.61
65 mph	275.72	321.88	350.06	429.82	820.57	942.04		
70 mph	278.11	327.61	353.03	438.17	832.61	952.33		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,833.91	6,152.93	6,512.57	6,011.28
10 mph	436.86	906.56	593.31	739.75	1,009.94	1,129.21	1,992.42	3,505.01
15 mph	359.43	753.11	492.11	626.90	657.99	750.04	1,587.79	2,506.96
20 mph	294.85	618.63	404.31	520.71	560.79	639.71	1,349.32	2,044.79
25 mph	247.08	517.03	339.02	441.09	497.94	570.67	1,186.49	1,774.57
30 mph	213.96	445.41	293.15	381.64	452.63	515.14	1,057.78	1,570.38
35 mph	193.36	399.86	264.52	347.07	453.50	516.05	957.79	1,460.74
40 mph	180.94	372.74	246.86	324.80	441.48	497.62	886.41	1,336.05
45 mph	174.79	359.59	238.03	312.53	430.86	478.57	842.41	1,261.56
50 mph	175.32	360.07	238.32	314.25	452.13	496.70	827.56	1,208.69
55 mph	183.40	376.04	249.15	331.76	472.33	513.96	840.37	1,231.96
60 mph	198.89	407.93	269.94	359.06	476.36	515.10	881.27	1,283.50
65 mph	223.52	454.92	303.14	404.22	484.04	518.01		
70 mph	242.35	475.86	324.78	440.29	490.54	524.32		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								6,143.88
10 mph								4,932.42
15 mph								4,138.80
20 mph								3,607.19
25 mph								3,316.36
30 mph								3,129.62
35 mph								2,981.83
40 mph								2,861.05
45 mph								2,760.18
50 mph								2,674.71
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	137.43	12.03	65.01	181.66	155.48	56.30	179.42	1.76	789.09
15 mph	44.97	3.93	21.26	59.39	50.82	18.40	48.91	0.48	248.16
20 mph	74.79	6.54	35.36	98.75	84.48	30.59	81.27	0.80	412.58
25 mph	319.87	27.99	151.21	422.68	361.11	130.76	382.18	3.77	1,799.56
30 mph	312.24	27.34	147.63	413.08	352.55	127.66	308.42	3.04	1,691.97
35 mph	236.87	20.75	112.01	313.86	267.48	96.86	128.66	1.27	1,177.78
40 mph	76.52	6.70	36.18	101.38	86.31	31.26	138.37	1.36	478.08
45 mph	64.10	5.61	30.29	84.85	72.19	26.14	111.08	1.09	395.36
50 mph	66.06	5.78	31.21	87.48	74.33	26.90	185.77	1.82	479.36
55 mph	54.91	4.81	25.94	72.78	61.91	22.41	44.58	0.44	287.77
60 mph	112.96	9.90	53.48	150.21	128.82	46.62	46.39	0.46	548.84
65 mph	14.48	1.27	6.87	19.31	16.60	6.00	-	-	64.53
70 mph	-	-	-	-	-	-	-	-	-
total	1,515.20	132.66	716.44	2,005.43	1,712.08	619.91	1,655.07	16.28	8,373.08

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(88.73)	(7.77)	(41.97)	44.67	65.35	23.66	-	-	(4.78)
15 mph	(72.60)	(6.35)	(34.32)	36.51	53.40	19.33	-	-	(4.02)
20 mph	(60.36)	(5.28)	(28.53)	30.36	44.38	16.07	190.37	1.88	188.88
25 mph	(103.26)	(9.04)	(48.82)	51.97	75.89	27.48	284.86	2.81	281.89
30 mph	(183.28)	(16.05)	(86.66)	92.35	134.71	48.78	433.49	4.27	427.61
35 mph	(382.36)	(33.50)	(180.81)	192.97	281.06	101.78	401.86	3.96	384.95
40 mph	(411.72)	(36.07)	(194.66)	207.77	302.31	109.47	356.54	3.51	337.15
45 mph	(331.12)	(28.99)	(156.47)	166.94	242.71	87.89	260.21	2.55	243.74
50 mph	(383.88)	(33.61)	(181.35)	193.62	281.15	101.77	133.90	1.31	112.91
55 mph	(221.57)	(19.40)	(104.69)	111.86	162.63	58.86	69.62	0.68	58.00
60 mph	(136.76)	(11.98)	(64.74)	69.26	101.52	36.74	5,071.70	49.74	5,115.49
65 mph	(46.74)	(4.10)	(22.16)	23.75	34.88	12.62	-	-	(1.76)
70 mph	(2,168.59)	(192.11)	(1,028.15)	1,113.52	1,628.14	586.83	-	-	(60.36)
total	(4,590.97)	(404.25)	(2,173.33)	2,335.56	3,408.13	1,231.29	7,202.56	70.72	7,079.70

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	77.86	28.61	103.36	2.04	211.87
15 mph	596.74	52.20	282.11	102.29	106.46	38.55	96.14	0.95	1,275.43
25 mph	-	-	-	-	143.67	52.02	298.86	2.95	497.51
35 mph	1,502.57	131.65	710.54	237.51	-	-	-	-	2,582.27
total	2,099.31	183.84	992.65	339.80	328.00	119.18	498.37	5.93	4,567.08

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	77.86	28.61	103.36	2.04	211.87
10 mph	48.69	4.26	23.03	226.33	220.83	79.97	179.42	1.76	784.30
15 mph	569.12	49.78	269.05	198.19	210.68	76.28	145.05	1.43	1,519.57
20 mph	14.43	1.26	6.82	129.11	128.87	46.66	271.64	2.68	601.47
25 mph	216.60	18.96	102.39	474.65	580.67	210.26	965.90	9.52	2,578.95
30 mph	128.96	11.29	60.98	505.43	487.26	176.44	741.91	7.31	2,119.58
35 mph	1,357.08	118.90	641.74	744.34	548.54	198.64	530.52	5.22	4,144.99
40 mph	(335.20)	(29.37)	(158.48)	309.16	388.62	140.73	494.91	4.87	815.24
45 mph	(267.02)	(23.38)	(126.17)	251.80	314.90	114.03	371.30	3.64	639.10
50 mph	(317.82)	(27.83)	(150.14)	281.10	355.48	128.67	319.67	3.14	592.27
55 mph	(166.67)	(14.59)	(78.75)	184.64	224.54	81.27	114.20	1.12	345.77
60 mph	(23.79)	(2.08)	(11.26)	219.47	230.34	83.37	5,118.10	50.20	5,664.33
65 mph	(32.26)	(2.83)	(15.30)	43.06	51.48	18.62	-	-	62.77
70 mph	(2,168.59)	(192.11)	(1,028.15)	1,113.52	1,628.14	586.83	-	-	(60.36)
total	(976.46)	(87.74)	(464.25)	4,680.79	5,448.21	1,970.39	9,355.99	92.93	20,019.86

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.98	0.01	0.34	3.23	64.93	53.83	537.11	1,812.87	2,473.31
15 mph	0.32	0.00	0.11	1.10	16.92	14.30	142.68	432.22	607.65
20 mph	0.53	0.01	0.18	1.82	28.84	24.39	242.50	705.08	1,003.35
25 mph	2.22	0.02	0.77	7.71	128.06	108.81	1,172.78	3,365.44	4,785.82
30 mph	2.12	0.02	0.74	7.34	128.05	108.04	950.51	2,707.45	3,904.26
35 mph	1.56	0.02	0.54	5.46	104.97	88.55	387.30	1,133.29	1,721.70
40 mph	0.49	0.01	0.17	1.70	34.06	28.46	398.26	1,151.73	1,614.88
45 mph	0.39	0.00	0.14	1.37	27.70	22.81	302.79	870.01	1,225.22
50 mph	0.39	0.00	0.14	1.37	29.07	23.68	483.37	1,354.52	1,892.54
55 mph	0.33	0.00	0.11	1.16	24.29	19.60	113.27	318.60	477.37
60 mph	0.71	0.01	0.25	2.51	49.00	39.29	118.78	331.93	542.48
65 mph	0.10	0.00	0.03	0.35	6.22	4.94	-	-	11.65
70 mph	-	-	-	-	-	-	-	-	-
total	10.15	0.11	3.52	35.14	642.13	536.70	4,849.34	14,183.13	20,260.24

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.63)	(0.01)	(0.22)	0.80	27.29	22.62	-	-	49.85
15 mph	(0.52)	(0.01)	(0.18)	0.67	17.78	15.03	-	-	32.77
20 mph	(0.43)	(0.00)	(0.15)	0.56	15.15	12.82	568.05	1,651.64	2,247.64
25 mph	(0.72)	(0.01)	(0.25)	0.95	26.91	22.87	874.12	2,508.40	3,432.27
30 mph	(1.24)	(0.01)	(0.43)	1.64	48.93	41.28	1,335.94	3,805.31	5,231.41
35 mph	(2.52)	(0.03)	(0.88)	3.36	110.29	93.05	1,209.65	3,539.65	4,952.57
40 mph	(2.62)	(0.03)	(0.91)	3.49	119.30	99.70	1,026.21	2,967.71	4,212.85
45 mph	(2.03)	(0.02)	(0.70)	2.69	93.14	76.70	709.29	2,037.99	2,917.07
50 mph	(2.29)	(0.02)	(0.79)	3.04	109.96	89.56	348.40	976.30	1,524.15
55 mph	(1.33)	(0.01)	(0.46)	1.78	63.82	51.48	176.89	497.54	789.72
60 mph	(0.87)	(0.01)	(0.30)	1.16	38.62	30.96	12,985.12	36,285.34	49,340.02
65 mph	(0.32)	(0.00)	(0.11)	0.43	13.08	10.38	-	-	23.45
70 mph	(16.17)	(0.16)	(5.50)	21.78	609.77	483.20	-	-	1,092.91
total	(31.70)	(0.33)	(10.87)	42.36	1,294.05	1,049.64	19,233.67	54,269.89	75,846.71

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	41.14	48.95	235.99	417.92	744.00
15 mph	4.29	0.05	1.49	1.89	35.45	29.96	280.46	849.62	1,203.21
25 mph	-	-	-	-	50.95	43.29	917.11	2,631.75	3,643.10
35 mph	9.92	0.11	3.44	4.13	-	-	-	-	17.60
total	14.21	0.15	4.93	6.02	127.54	122.20	1,433.56	3,899.30	5,607.91

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	41.14	48.95	235.99	417.92	744.00
10 mph	0.35	0.00	0.12	4.03	92.22	76.45	537.11	1,812.87	2,523.16
15 mph	4.09	0.04	1.42	3.66	70.15	59.29	423.14	1,281.84	1,843.63
20 mph	0.10	0.00	0.04	2.38	44.00	37.21	810.55	2,356.72	3,250.99
25 mph	1.50	0.02	0.52	8.66	205.92	174.96	2,964.01	8,505.60	11,861.20
30 mph	0.87	0.01	0.30	8.98	176.97	149.32	2,286.44	6,512.76	9,135.67
35 mph	8.96	0.10	3.11	12.96	215.26	181.60	1,596.95	4,672.94	6,691.87
40 mph	(2.14)	(0.02)	(0.74)	5.20	153.36	128.16	1,424.47	4,119.44	5,827.73
45 mph	(1.64)	(0.02)	(0.57)	4.06	120.85	99.52	1,012.09	2,908.00	4,142.29
50 mph	(1.89)	(0.02)	(0.65)	4.42	139.03	113.24	831.76	2,330.82	3,416.69
55 mph	(1.00)	(0.01)	(0.35)	2.94	88.11	71.08	290.17	816.14	1,267.09
60 mph	(0.15)	(0.00)	(0.05)	3.67	87.62	70.24	13,103.90	36,617.27	49,882.50
65 mph	(0.22)	(0.00)	(0.08)	0.79	19.30	15.32	-	-	35.11
70 mph	(16.17)	(0.16)	(5.50)	21.78	609.77	483.20	-	-	1,092.91
total	(7.34)	(0.07)	(2.42)	83.53	2,063.72	1,708.55	25,516.57	72,352.32	101,714.85

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								123.45	123.45
15 mph								34.53	34.53
20 mph								60.19	60.19
25 mph								304.34	304.34
30 mph								261.09	261.09
35 mph								111.94	111.94
40 mph								119.34	119.34
45 mph								92.11	92.11
50 mph								145.04	145.04
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1,252.03	1,252.03

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								140.99	140.99
25 mph								226.84	226.84
30 mph								366.96	366.96
35 mph								349.64	349.64
40 mph								307.52	
45 mph								215.76	
50 mph								104.54	
55 mph								-	
60 mph								-	
65 mph								-	
70 mph								-	
total	-	-	-	-	-	-	-	1,084.42	1,084.42

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								20.67	20.67
15 mph								67.87	67.87
25 mph								237.99	237.99
35 mph								-	-
total	-	-	-	-	-	-	-	326.53	326.53

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								20.67	20.67
10 mph								123.45	123.45
15 mph								102.40	102.40
20 mph								201.17	201.17
25 mph								769.16	769.16
30 mph								628.06	628.06
35 mph								461.58	461.58
40 mph								426.86	426.86
45 mph								307.87	307.87
50 mph								249.58	249.58
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3,290.80	3,290.80

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	119.00	77.56	339.35	440.63	976.54
10 mph	49.04	4.27	23.15	230.36	313.05	156.42	716.53	1,938.08	3,430.91
15 mph	573.20	49.83	270.47	201.85	280.83	135.56	568.19	1,385.67	3,465.60
20 mph	14.53	1.26	6.86	131.49	172.86	83.87	1,082.19	2,560.56	4,053.63
25 mph	218.10	18.97	102.92	483.31	786.59	385.22	3,929.91	9,284.28	15,209.32
30 mph	129.84	11.30	61.28	514.42	664.23	325.76	3,028.35	7,148.13	11,883.31
35 mph	1,366.04	118.99	644.85	757.30	763.80	380.24	2,127.47	5,139.74	11,298.44
40 mph	(337.33)	(29.39)	(159.22)	314.36	541.98	268.89	1,919.38	4,551.17	7,069.83
45 mph	(268.66)	(23.39)	(126.74)	255.85	435.75	213.55	1,383.39	3,219.52	5,089.26
50 mph	(319.72)	(27.85)	(150.80)	285.51	494.51	241.91	1,151.43	2,583.54	4,258.54
55 mph	(167.67)	(14.60)	(79.09)	187.59	312.65	152.35	404.37	817.26	1,612.86
60 mph	(23.94)	(2.09)	(11.32)	223.14	317.96	153.61	18,222.00	36,667.47	55,546.83
65 mph	(32.48)	(2.83)	(15.38)	43.84	70.79	33.94	-	-	97.88
70 mph	(2,184.76)	(192.28)	(1,033.65)	1,135.29	2,237.91	1,070.04	-	-	1,032.56
STREX	25.79	2.28	12.44	58.23	4.71	1.68	4.65	0.05	109.82
total	(958.01)	(85.53)	(454.23)	4,822.55	7,516.63	3,680.61	34,877.21	75,736.10	**125,135.33**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	56.18	66.02	72.53	88.99	19.11	21.61	39.50	55.22
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	25.79	2.28	12.44	58.23	4.71	1.68	4.65	0.05
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	25.79	2.28	12.44	58.23	4.71	1.68	4.65	0.05

World Logistics Center
Mobile Emissions - 2022 (Net) - Unmitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
24.13	552.31	178.90	2.26	9.11	34.39	22.65	66.15	8.71	8.44	8.82	25.98	6.70	33.09	8.94	244,447.34

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
4.40	100.80	32.65	0.41	1.66	6.28	4.13	12.07	1.59	1.54	1.61	4.74	1.22	6.04	1.63	44,611.64

World Logistics Center
Mobile Emissions - 2022 (Net) - Unmitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	415.08	3.74	8.12	(10,578.82)	(95.38)	(206.84)
LDT1	31.26	0.02	0.23	(796.58)	(0.42)	(5.81)
LDT2	155.09	0.98	1.56	(3,952.71)	(25.10)	(39.86)
MDT	591.00	12.52	4.38	9,047.63	191.62	67.05
LHDT1	218.02	147.32	-	5,554.65	3,753.34	-
LHDT2	68.07	107.58	-	1,734.27	2,740.83	-
MHDT	106.52	514.91	-	4,794.57	23,175.67	-
HHDT	0.77	985.70	49.74	34.77	44,365.52	2,238.66

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	4,747.33	42.80	92.82	(15,326.16)	(138.19)	(299.66)
LDT1	357.47	0.19	2.61	(1,154.06)	(0.61)	(8.41)
LDT2	1,773.81	11.26	17.89	(5,726.52)	(36.36)	(57.74)
MDT	4,057.92	85.94	30.07	4,989.72	105.68	36.97
LHDT1	1,790.97	1,210.17	-	3,763.69	2,543.17	-
LHDT2	559.17	883.71	-	1,175.09	1,857.11	-
MHDT	843.37	4,076.64	-	3,951.20	19,099.03	-
HHDT	6.12	7,803.96	393.78	28.65	36,561.56	1,844.87

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	237.37	17.87	88.69	202.90	89.55	27.96	50.60	0.37	715.30
15 mph	94.95	7.15	35.48	81.16	35.82	11.18	16.87	0.12	282.72
20 mph	189.89	14.30	70.95	162.32	71.64	22.37	33.73	0.24	565.45
25 mph	949.47	71.49	354.76	811.58	358.19	111.83	185.54	1.35	2,844.22
30 mph	1,044.41	78.64	390.24	892.74	394.01	123.02	168.67	1.22	3,092.97
35 mph	854.52	64.35	319.29	730.42	322.37	100.65	75.90	0.55	2,468.06
40 mph	284.84	21.45	106.43	243.47	107.46	33.55	84.34	0.61	882.15
45 mph	237.37	17.87	88.69	202.90	89.55	27.96	67.47	0.49	732.29
50 mph	237.37	17.87	88.69	202.90	89.55	27.96	109.64	0.80	774.77
55 mph	189.89	14.30	70.95	162.32	71.64	22.37	25.30	0.18	556.95
60 mph	379.79	28.60	141.90	324.63	143.28	44.73	25.30	0.18	1,088.42
65 mph	47.47	3.57	17.74	40.58	17.91	5.59	-	-	132.87
70 mph	-	-	-	-	-	-	-	-	-
total	4,747.33	357.47	1,773.81	4,057.92	1,790.97	559.17	843.37	6.12	14,136.16

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(153.26)	(11.54)	(57.27)	49.90	37.64	11.75	-	-	(122.78)
15 mph	(153.26)	(11.54)	(57.27)	49.90	37.64	11.75	-	-	(122.78)
20 mph	(153.26)	(11.54)	(57.27)	49.90	37.64	11.75	79.02	0.57	(43.19)
25 mph	(306.52)	(23.08)	(114.53)	99.79	75.27	23.50	138.29	1.00	(106.27)
30 mph	(613.05)	(46.16)	(229.06)	199.59	150.55	47.00	237.07	1.72	(252.34)
35 mph	(1,379.35)	(103.87)	(515.39)	449.07	338.73	105.76	237.07	1.72	(866.25)
40 mph	(1,532.62)	(115.41)	(572.65)	498.97	376.37	117.51	217.32	1.58	(1,008.93)
45 mph	(1,226.09)	(92.32)	(458.12)	399.18	301.10	94.01	158.05	1.15	(823.06)
50 mph	(1,379.35)	(103.87)	(515.39)	449.07	338.73	105.76	79.02	0.57	(1,025.44)
55 mph	(766.31)	(57.70)	(286.33)	249.49	188.18	58.75	39.51	0.29	(574.11)
60 mph	(459.78)	(34.62)	(171.80)	149.69	112.91	35.25	2,765.84	20.06	2,417.55
65 mph	(153.26)	(11.54)	(57.27)	49.90	37.64	11.75	-	-	(122.78)
70 mph	(7,050.03)	(530.87)	(2,634.20)	2,295.27	1,731.30	540.54	-	-	(5,647.99)
total	(15,326.16)	(1,154.06)	(5,726.52)	4,989.72	3,763.69	1,175.09	3,951.20	28.65	(8,298.39)

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	14.95	4.67	6.80	0.07	26.48
15 mph	1,259.81	94.86	470.72	139.80	75.04	23.43	33.16	0.24	2,097.06
25 mph	-	-	-	-	142.51	44.50	145.09	1.05	333.15
35 mph	5,420.50	408.16	2,025.34	552.74	-	-	-	-	8,406.74
total	6,680.31	503.03	2,496.06	692.54	217.55	67.92	178.25	1.29	10,836.95

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	14.95	4.67	6.80	0.07	26.48
10 mph	84.11	6.33	31.43	252.79	127.19	39.71	50.60	0.37	592.52
15 mph	1,201.50	90.47	448.93	270.86	148.49	46.36	50.02	0.36	2,257.00
20 mph	36.63	2.76	13.69	212.21	109.28	34.12	112.76	0.82	522.26
25 mph	642.94	48.41	240.23	911.38	575.98	179.83	468.93	3.40	3,071.11
30 mph	431.37	32.48	161.18	1,092.33	544.56	170.02	405.75	2.94	2,840.63
35 mph	4,895.67	368.64	1,829.23	1,732.24	661.11	206.41	312.98	2.27	10,008.54
40 mph	(1,247.78)	(93.96)	(466.22)	742.45	483.83	151.06	301.65	2.19	(126.78)
45 mph	(988.73)	(74.45)	(369.43)	602.07	390.64	121.97	225.52	1.64	(90.77)
50 mph	(1,141.99)	(85.99)	(426.70)	651.97	428.28	133.72	188.66	1.37	(250.68)
55 mph	(576.41)	(43.40)	(215.37)	411.80	259.82	81.12	64.81	0.47	(17.16)
60 mph	(80.00)	(6.02)	(29.89)	474.32	256.19	79.99	2,791.14	20.24	3,505.97
65 mph	(105.79)	(7.97)	(39.53)	90.48	55.55	17.34	-	-	10.08
70 mph	(7,050.03)	(530.87)	(2,634.20)	2,295.27	1,731.30	540.54	-	-	(5,647.99)
total	(3,898.51)	(293.56)	(1,456.65)	9,740.17	5,772.21	1,802.19	4,972.82	36.06	16,674.73

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	2.14	0.01	0.56	4.30	60.51	44.19	244.60	468.24	824.54
15 mph	0.86	0.00	0.23	1.72	24.20	17.67	81.53	156.08	282.29
20 mph	1.71	0.01	0.45	3.44	48.41	35.35	163.07	312.16	564.59
25 mph	8.56	0.04	2.25	17.19	242.03	176.74	896.86	1,716.87	3,060.55
30 mph	9.42	0.04	2.48	18.91	266.24	194.42	815.33	1,560.79	2,867.62
35 mph	7.70	0.03	2.03	15.47	217.83	159.07	366.90	702.36	1,471.39
40 mph	2.57	0.01	0.68	5.16	72.61	53.02	407.66	780.40	1,322.11
45 mph	2.14	0.01	0.56	4.30	60.51	44.19	326.13	624.32	1,062.15
50 mph	2.14	0.01	0.56	4.30	60.51	44.19	529.96	1,014.52	1,656.18
55 mph	1.71	0.01	0.45	3.44	48.41	35.35	122.30	234.12	445.78
60 mph	3.42	0.02	0.90	6.88	96.81	70.70	122.30	234.12	535.14
65 mph	0.43	0.00	0.11	0.86	12.10	8.84	-	-	22.34
70 mph	-	-	-	-	-	-	-	-	-
total	42.80	0.19	11.26	85.94	1,210.17	883.71	4,076.64	7,803.96	14,114.69

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(1.38)	(0.01)	(0.36)	1.06	25.43	18.57	-	-	43.31
15 mph	(1.38)	(0.01)	(0.36)	1.06	25.43	18.57	-	-	43.31
20 mph	(1.38)	(0.01)	(0.36)	1.06	25.43	18.57	381.98	731.23	1,156.52
25 mph	(2.76)	(0.01)	(0.73)	2.11	50.86	37.14	668.47	1,279.65	2,034.74
30 mph	(5.53)	(0.02)	(1.45)	4.23	101.73	74.28	1,145.94	2,193.69	3,512.87
35 mph	(12.44)	(0.05)	(3.27)	9.51	228.88	167.14	1,145.94	2,193.69	3,729.41
40 mph	(13.82)	(0.06)	(3.64)	10.57	254.32	185.71	1,050.45	2,010.89	3,494.41
45 mph	(11.06)	(0.05)	(2.91)	8.45	203.45	148.57	763.96	1,462.46	2,572.89
50 mph	(12.44)	(0.05)	(3.27)	9.51	228.88	167.14	381.98	731.23	1,502.98
55 mph	(6.91)	(0.03)	(1.82)	5.28	127.16	92.86	190.99	365.62	773.15
60 mph	(4.15)	(0.02)	(1.09)	3.17	76.29	55.71	13,369.32	25,593.09	39,092.34
65 mph	(1.38)	(0.01)	(0.36)	1.06	25.43	18.57	-	-	43.31
70 mph	(63.57)	(0.28)	(16.73)	48.61	1,169.86	854.27	-	-	1,992.17
total	(138.19)	(0.61)	(36.36)	105.68	2,543.17	1,857.11	19,099.03	36,561.56	59,991.39

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	10.10	7.37	32.88	62.94	113.29
15 mph	11.36	0.05	2.99	2.96	50.70	37.03	160.27	306.81	572.17
25 mph	-	-	-	-	96.30	70.32	701.34	1,342.58	2,210.54
35 mph	48.87	0.22	12.86	11.71	-	-	-	-	73.66
total	60.23	0.27	15.85	14.67	147.00	107.35	861.61	1,649.39	2,856.36

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	10.10	7.37	32.88	62.94	113.29
10 mph	0.76	0.00	0.20	5.35	85.94	62.76	244.60	468.24	867.85
15 mph	10.83	0.05	2.85	5.74	100.34	73.27	241.80	462.89	897.77
20 mph	0.33	0.00	0.09	4.49	73.84	53.92	545.05	1,043.39	1,721.11
25 mph	5.80	0.03	1.53	19.30	389.20	284.20	2,266.66	4,339.11	7,305.82
30 mph	3.89	0.02	1.02	23.13	367.96	268.70	1,961.27	3,754.49	6,380.49
35 mph	44.14	0.19	11.61	36.69	446.72	326.21	1,512.84	2,896.05	5,274.45
40 mph	(11.25)	(0.05)	(2.96)	15.72	326.93	238.73	1,458.11	2,791.28	4,816.52
45 mph	(8.91)	(0.04)	(2.35)	12.75	263.96	192.75	1,090.09	2,086.78	3,635.04
50 mph	(10.30)	(0.05)	(2.71)	13.81	289.39	211.33	911.94	1,745.75	3,159.17
55 mph	(5.20)	(0.02)	(1.37)	8.72	175.57	128.20	313.29	599.73	1,218.93
60 mph	(0.72)	(0.00)	(0.19)	10.05	173.11	126.41	13,491.62	25,827.21	39,627.48
65 mph	(0.95)	(0.00)	(0.25)	1.92	37.53	27.41	-	-	65.65
70 mph	(63.57)	(0.28)	(16.73)	48.61	1,169.86	854.27	-	-	1,992.17
total	(35.15)	(0.15)	(9.25)	206.29	3,900.34	2,848.17	24,037.28	46,014.91	76,962.44

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	4.64	0.13	0.89	1.50	-	-	-	23.63	30.80
15 mph	1.86	0.05	0.36	0.60	-	-	-	7.88	10.74
20 mph	3.71	0.10	0.72	1.20	-	-	-	15.75	21.49
25 mph	18.56	0.52	3.58	6.01	-	-	-	86.63	115.31
30 mph	20.42	0.57	3.94	6.62	-	-	-	78.76	110.30
35 mph	16.71	0.47	3.22	5.41	-	-	-	35.44	61.25
40 mph	5.57	0.16	1.07	1.80	-	-	-	39.38	47.98
45 mph	4.64	0.13	0.89	1.50	-	-	-	31.50	38.67
50 mph	4.64	0.13	0.89	1.50	-	-	-	51.19	58.36
55 mph	3.71	0.10	0.72	1.20	-	-	-	11.81	17.55
60 mph	7.43	0.21	1.43	2.41	-	-	-	11.81	23.28
65 mph	0.93	0.03	0.18	0.30	-	-	-	-	1.43
70 mph	-	-	-	-	-	-	-	-	-
total	92.82	2.61	17.89	30.07	-	-	-	393.78	537.17

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(3.00)	(0.08)	(0.58)	0.37	-	-	-	-	(3.29)
15 mph	(3.00)	(0.08)	(0.58)	0.37	-	-	-	-	(3.29)
20 mph	(3.00)	(0.08)	(0.58)	0.37	-	-	-	36.90	33.61
25 mph	(5.99)	(0.17)	(1.15)	0.74	-	-	-	64.57	57.99
30 mph	(11.99)	(0.34)	(2.31)	1.48	-	-	-	110.69	97.54
35 mph	(26.97)	(0.76)	(5.20)	3.33	-	-	-	110.69	81.10
40 mph	(29.97)	(0.84)	(5.77)	3.70	-	-	-	101.47	68.58
45 mph	(23.97)	(0.67)	(4.62)	2.96	-	-	-	73.79	47.49
50 mph	(26.97)	(0.76)	(5.20)	3.33	-	-	-	36.90	7.30
55 mph	(14.98)	(0.42)	(2.89)	1.85	-	-	-	18.45	2.01
60 mph	(8.99)	(0.25)	(1.73)	1.11	-	-	-	1,291.41	1,281.55
65 mph	(3.00)	(0.08)	(0.58)	0.37	-	-	-	-	(3.29)
70 mph	(137.84)	(3.87)	(26.56)	17.01	-	-	-	-	(151.27)
total	(299.66)	(8.41)	(57.74)	36.97	-	-	-	1,844.87	1,516.04

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	3.18	3.18
15 mph	24.63	0.69	4.75	1.04	-	-	-	15.48	46.59
25 mph	-	-	-	-	-	-	-	67.75	67.75
35 mph	105.98	2.97	20.42	4.10	-	-	-	-	133.48
total	130.61	3.67	25.17	5.13	-	-	-	83.23	247.81

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	3.18	3.18
10 mph	1.64	0.05	0.32	1.87	-	-	-	23.63	27.51
15 mph	23.49	0.66	4.53	2.01	-	-	-	23.36	54.04
20 mph	0.72	0.02	0.14	1.57	-	-	-	52.65	55.10
25 mph	12.57	0.35	2.42	6.75	-	-	-	218.95	241.05
30 mph	8.43	0.24	1.63	8.09	-	-	-	189.45	207.84
35 mph	95.72	2.69	18.45	12.84	-	-	-	146.13	275.82
40 mph	(24.40)	(0.68)	(4.70)	5.50	-	-	-	140.85	116.57
45 mph	(19.33)	(0.54)	(3.73)	4.46	-	-	-	105.30	86.16
50 mph	(22.33)	(0.63)	(4.30)	4.83	-	-	-	88.09	65.66
55 mph	(11.27)	(0.32)	(2.17)	3.05	-	-	-	30.26	19.56
60 mph	(1.56)	(0.04)	(0.30)	3.51	-	-	-	1,303.23	1,304.83
65 mph	(2.07)	(0.06)	(0.40)	0.67	-	-	-	-	(1.85)
70 mph	(137.84)	(3.87)	(26.56)	17.01	-	-	-	-	(151.27)
total	142.58	4.00	27.47	33.14	-	-	-	654.16	2,301.01

World Logistics Center
Mobile Emissions - 2022 (Net) - Unmitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	6109	330	0.21	1282.8	1247.2	11.2	24.4
	LDT1	15	451	330	0.21	94.6	93.9	0.0	0.7
	LDT2	15	2256	330	0.21	473.7	466.0	3.0	4.7
	MDT	15	680	330	0.21	142.7	138.7	2.9	1.0
	LHDT1	15	597	330	0.21	125.4	74.8	50.6	0.0
	LHDT2	15	287	330	0.21	60.3	23.4	36.9	0.0
	MHDT	15	914	330	0.21	192.0	32.9	159.0	0.0
	HHDT	15	1524	330	0.21	320.1	0.2	304.5	15.4
Travel at Light Logistics	LDA	15	44	175	0.11	4.8	4.7	0.0	0.1
	LDT1	15	3	175	0.11	0.4	0.4	0.0	0.0
	LDT2	15	16	175	0.11	1.8	1.8	0.0	0.0
	MDT	15	4	175	0.11	0.5	0.4	0.0	0.0
	LHDT1	15	2	175	0.11	0.3	0.2	0.1	0.0
	LHDT2	15	1	175	0.11	0.1	0.0	0.1	0.0
	MHDT	15	3	175	0.11	0.3	0.1	0.3	0.0
	HHDT	15	5	175	0.11	0.5	0.0	0.5	0.0
Travel at Utility	LDA	15	50	100	0.06	3.0	2.9	0.0	0.1
	LDT1	15	4	100	0.06	0.2	0.2	0.0	0.0
	LDT2	15	18	100	0.06	1.1	1.1	0.0	0.0
	MDT	15	11	100	0.06	0.6	0.6	0.0	0.0
	LHDT1	15	2	100	0.06	0.1	0.1	0.0	0.0
	LHDT2	15	1	100	0.06	0.0	0.0	0.0	0.0
	MHDT	15	3	100	0.06	0.2	0.0	0.2	0.0
	HHDT	15	5	100	0.06	0.3	0.0	0.3	0.0
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	32	50	0.03	1.0	0.2	0.8	0.0
	HHDT	15	54	50	0.03	1.6	0.0	1.5	0.1
Travel at Convenience Store	LDA	15	152	50	0.03	4.5	4.4	0.0	0.1
	LDT1	15	11	50	0.03	0.3	0.3	0.0	0.0
	LDT2	15	56	50	0.03	1.7	1.7	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	22	50	0.03	0.6	0.6	0.0	0.0
	LDT1	15	2	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	8	50	0.03	0.2	0.2	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1259.8	94.9	470.7	139.8	75.0	23.4	33.2	0.2
Diesel	11.4	0.1	3.0	3.0	50.7	37.0	160.3	306.8
Electric/Natural Gas (HHDT Only)	24.6	0.7	4.7	1.0	0.0	0.0	0.0	15.5

World Logistics Center
Mobile Emissions - 2022 (Net) - Unmitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	299	178	120	0	890.8	601.9	0.0
	LHDT2	5	144	56	88	0	278.1	439.5	0.0
	MHDT	5	457	78	379	0	391.7	1893.4	0.0
	HHDT	5	762	1	725	37	2.8	3624.6	182.9
Travel at Light Logistics	LHDT1	5	1	1	0	0	3.6	2.4	0.0
	LHDT2	5	1	0	0	0	1.1	1.8	0.0
	MHDT	5	1	0	1	0	1.3	6.1	0.0
	HHDT	5	2	0	2	0	0.0	11.7	0.6
Travel at Utility	LHDT1	5	1	0	0	0	2.4	1.6	0.0
	LHDT2	5	0	0	0	0	0.8	1.2	0.0
	MHDT	5	2	0	1	0	1.3	6.4	0.0
	HHDT	5	3	0	2	0	0.0	12.2	0.6
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	16	3	13	0	13.8	66.8	0.0
	HHDT	5	27	0	26	1	0.1	127.8	6.4
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	14.9	4.7	6.8	0.1
Diesel	10.1	7.4	32.9	62.9
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	3.2

World Logistics Center
Mobile Emissions - 2022 (Net) - Unmitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					17.8077	17.9246	26.8743	21.3221
10 mph	0.0499	0.1310	0.0808	0.1141	0.1269	0.0955	0.2877	2.7492
15 mph	0.0336	0.0896	0.0548	0.0783	0.0874	0.0651	0.1907	1.8530
20 mph	0.0238	0.0645	0.0390	0.0563	0.0641	0.0470	0.1352	1.3257
25 mph	0.0175	0.0487	0.0290	0.0418	0.0487	0.0349	0.0984	1.0233
30 mph	0.0136	0.0386	0.0226	0.0326	0.0390	0.0274	0.0755	0.8259
35 mph	0.0111	0.0321	0.0185	0.0267	0.0329	0.0226	0.0612	0.7054
40 mph	0.0096	0.0282	0.0162	0.0233	0.0295	0.0201	0.0541	0.6231
45 mph	0.0089	0.0258	0.0148	0.0215	0.0275	0.0185	0.0487	0.5882
50 mph	0.0086	0.0251	0.0144	0.0210	0.0274	0.0181	0.0489	0.5695
55 mph	0.0087	0.0252	0.0145	0.0212	0.0280	0.0183	0.0485	0.5976
60 mph	0.0092	0.0262	0.0152	0.0228	0.0305	0.0200	0.0542	0.6278
65 mph	0.0101	0.0287	0.0166	0.0246	0.0352	0.0230		
70 mph	0.0103	0.0342	0.0175	0.0247	0.0356	0.0205		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.8718	2.4423
10 mph	0.1398	0.5536	0.1974	0.1289	0.5370	0.5472	0.7602	0.5160
15 mph	0.0751	0.3866	0.0992	0.0650	0.2920	0.2902	0.3970	0.3556
20 mph	0.0368	0.2835	0.0417	0.0277	0.1479	0.1443	0.1939	0.2375
25 mph	0.0248	0.2252	0.0262	0.0177	0.1034	0.0995	0.1422	0.1538
30 mph	0.0193	0.1889	0.0202	0.0137	0.0833	0.0795	0.1159	0.1222
35 mph	0.0158	0.1666	0.0163	0.0111	0.0711	0.0672	0.0953	0.0957
40 mph	0.0137	0.1524	0.0138	0.0095	0.0630	0.0591	0.0805	0.0789
45 mph	0.0124	0.1452	0.0121	0.0083	0.0581	0.0541	0.0702	0.0675
50 mph	0.0117	0.1452	0.0110	0.0075	0.0564	0.0521	0.0666	0.0625
55 mph	0.0113	0.1525	0.0102	0.0070	0.0560	0.0514	0.0667	0.0594
60 mph	0.0119	0.1657	0.0101	0.0070	0.0581	0.0533	0.0695	0.0642
65 mph	0.0126	0.1930	0.0106	0.0075	0.0678	0.0612		
70 mph	0.0118	0.2336	0.0132	0.0082	0.0968	0.0803		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.1129
10 mph								1.0078
15 mph								0.6145
20 mph								0.3815
25 mph								0.2824
30 mph								0.2177
35 mph								0.1688
40 mph								0.1323
45 mph								0.1055
50 mph								0.0864
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0261	0.0052	0.0158	0.0510	0.0250	0.0059	0.0321	0.0022	0.1634
15 mph	0.0070	0.0014	0.0043	0.0140	0.0069	0.0016	0.0071	0.0005	0.0428
20 mph	0.0099	0.0020	0.0061	0.0201	0.0101	0.0023	0.0101	0.0007	0.0615
25 mph	0.0367	0.0077	0.0227	0.0748	0.0385	0.0086	0.0403	0.0030	0.2322
30 mph	0.0313	0.0067	0.0195	0.0643	0.0338	0.0074	0.0281	0.0022	0.1933
35 mph	0.0209	0.0046	0.0130	0.0429	0.0234	0.0050	0.0102	0.0009	0.1209
40 mph	0.0061	0.0013	0.0038	0.0125	0.0070	0.0015	0.0101	0.0008	0.0431
45 mph	0.0046	0.0010	0.0029	0.0096	0.0054	0.0011	0.0072	0.0006	0.0326
50 mph	0.0045	0.0010	0.0028	0.0094	0.0054	0.0011	0.0118	0.0010	0.0370
55 mph	0.0036	0.0008	0.0023	0.0076	0.0044	0.0009	0.0027	0.0002	0.0225
60 mph	0.0077	0.0017	0.0048	0.0163	0.0096	0.0020	0.0030	0.0003	0.0453
65 mph	0.0011	0.0002	0.0007	0.0022	0.0014	0.0003	-	-	0.0058
70 mph	-	-	-	-	-	-	-	-	-
total	0.1595	0.0335	0.0986	0.3248	0.1710	0.0378	0.1627	0.0125	1.0005

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0169)	(0.0033)	(0.0102)	0.0126	0.0105	0.0025	-	-	(0.0048)
15 mph	(0.0114)	(0.0023)	(0.0069)	0.0086	0.0073	0.0017	-	-	(0.0030)
20 mph	(0.0080)	(0.0016)	(0.0049)	0.0062	0.0053	0.0012	0.0236	0.0017	0.0234
25 mph	(0.0118)	(0.0025)	(0.0073)	0.0092	0.0081	0.0018	0.0300	0.0023	0.0297
30 mph	(0.0184)	(0.0039)	(0.0114)	0.0144	0.0129	0.0028	0.0395	0.0031	0.0390
35 mph	(0.0337)	(0.0074)	(0.0211)	0.0264	0.0245	0.0053	0.0320	0.0027	0.0288
40 mph	(0.0326)	(0.0072)	(0.0204)	0.0257	0.0245	0.0052	0.0259	0.0022	0.0232
45 mph	(0.0240)	(0.0053)	(0.0150)	0.0190	0.0183	0.0038	0.0170	0.0015	0.0153
50 mph	(0.0261)	(0.0057)	(0.0164)	0.0208	0.0204	0.0042	0.0085	0.0007	0.0065
55 mph	(0.0146)	(0.0032)	(0.0091)	0.0117	0.0116	0.0024	0.0042	0.0004	0.0033
60 mph	(0.0093)	(0.0020)	(0.0058)	0.0075	0.0076	0.0016	0.3308	0.0278	0.3582
65 mph	(0.0034)	(0.0007)	(0.0021)	0.0027	0.0029	0.0006	-	-	(0.0000)
70 mph	(0.1608)	(0.0401)	(0.1017)	0.1250	0.1360	0.0245	-	-	(0.0172)
total	(0.3710)	(0.0852)	(0.2323)	0.2896	0.2899	0.0575	0.5115	0.0423	0.5024

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.5869	0.1844	0.4031	0.0033	1.1776
15 mph	0.0934	0.0187	0.0569	0.0241	0.0145	0.0034	0.0139	0.0010	0.2259
25 mph	-	-	-	-	0.0153	0.0034	0.0315	0.0024	0.0526
35 mph	0.1325	0.0289	0.0827	0.0325	-	-	-	-	0.2766
total	0.2258	0.0476	0.1396	0.0566	0.6166	0.1912	0.4485	0.0067	1.7327

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.5869	0.1844	0.4031	0.0033	1.1776
10 mph	0.0093	0.0018	0.0056	0.0636	0.0356	0.0084	0.0321	0.0022	0.1585
15 mph	0.0891	0.0179	0.0542	0.0467	0.0286	0.0067	0.0210	0.0015	0.2657
20 mph	0.0019	0.0004	0.0012	0.0263	0.0154	0.0035	0.0336	0.0024	0.0848
25 mph	0.0248	0.0052	0.0154	0.0840	0.0619	0.0138	0.1018	0.0077	0.3145
30 mph	0.0129	0.0028	0.0080	0.0786	0.0468	0.0103	0.0676	0.0054	0.2323
35 mph	0.1196	0.0261	0.0747	0.1018	0.0479	0.0103	0.0423	0.0035	0.4263
40 mph	(0.0265)	(0.0058)	(0.0166)	0.0382	0.0314	0.0067	0.0360	0.0030	0.0663
45 mph	(0.0193)	(0.0042)	(0.0121)	0.0286	0.0237	0.0050	0.0242	0.0021	0.0480
50 mph	(0.0216)	(0.0048)	(0.0135)	0.0302	0.0258	0.0053	0.0203	0.0017	0.0435
55 mph	(0.0110)	(0.0024)	(0.0069)	0.0193	0.0160	0.0033	0.0069	0.0006	0.0258
60 mph	(0.0016)	(0.0003)	(0.0010)	0.0238	0.0172	0.0035	0.3339	0.0280	0.4035
65 mph	(0.0023)	(0.0005)	(0.0014)	0.0049	0.0043	0.0009	-	-	0.0058
70 mph	(0.1608)	(0.0401)	(0.1017)	0.1250	0.1360	0.0245	-	-	(0.0172)
total	0.0144	(0.0040)	0.0059	0.6711	1.0775	0.2865	1.1227	0.0614	3.2355

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0002	0.0012	0.0716	0.0533	0.4100	0.5327	1.0698
15 mph	0.0001	0.0000	0.0000	0.0002	0.0156	0.0113	0.0714	0.1224	0.2211
20 mph	0.0001	0.0000	0.0000	0.0002	0.0158	0.0112	0.0697	0.1635	0.2606
25 mph	0.0005	0.0000	0.0001	0.0007	0.0552	0.0388	0.2813	0.5823	0.9589
30 mph	0.0004	0.0000	0.0001	0.0006	0.0489	0.0341	0.2084	0.4204	0.7129
35 mph	0.0003	0.0000	0.0001	0.0004	0.0341	0.0236	0.0771	0.1483	0.2838
40 mph	0.0001	0.0000	0.0000	0.0001	0.0101	0.0069	0.0723	0.1358	0.2253
45 mph	0.0001	0.0000	0.0000	0.0001	0.0077	0.0053	0.0505	0.0930	0.1567
50 mph	0.0001	0.0000	0.0000	0.0001	0.0075	0.0051	0.0778	0.1399	0.2305
55 mph	0.0000	0.0000	0.0000	0.0001	0.0060	0.0040	0.0180	0.0306	0.0587
60 mph	0.0001	0.0000	0.0000	0.0001	0.0124	0.0083	0.0187	0.0331	0.0728
65 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0012	-	-	0.0030
70 mph	-	-	-	-	-	-	-	-	-
total	0.0024	0.0001	0.0007	0.0037	0.2868	0.2031	1.3552	2.4021	4.2541

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0004)	(0.0000)	(0.0002)	0.0003	0.0301	0.0224	-	-	0.0522
15 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0164	0.0119	-	-	0.0281
20 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0083	0.0059	0.1633	0.3829	0.5603
25 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0116	0.0081	0.2097	0.4340	0.6633
30 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0187	0.0130	0.2929	0.5909	0.9153
35 mph	(0.0004)	(0.0000)	(0.0001)	0.0002	0.0359	0.0248	0.2407	0.4631	0.7641
40 mph	(0.0004)	(0.0000)	(0.0001)	0.0002	0.0354	0.0242	0.1864	0.3499	0.5955
45 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0261	0.0177	0.1183	0.2178	0.3797
50 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0285	0.0192	0.0561	0.1008	0.2043
55 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0157	0.0105	0.0281	0.0479	0.1020
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0098	0.0065	2.0489	3.6237	5.6888
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0038	0.0025	-	-	0.0063
70 mph	(0.0017)	(0.0001)	(0.0005)	0.0009	0.2496	0.1512	-	-	0.3994
total	(0.0046)	(0.0003)	(0.0013)	0.0025	0.4897	0.3181	3.3443	6.2110	10.3594

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0707	0.0516	0.0632	0.3389	0.5244
15 mph	0.0019	0.0000	0.0007	0.0004	0.0326	0.0237	0.1403	0.2406	0.4402
25 mph	-	-	-	-	0.0220	0.0154	0.2200	0.4554	0.7127
35 mph	0.0017	0.0001	0.0005	0.0003	-	-	-	-	0.0025
total	0.0036	0.0001	0.0011	0.0007	0.1253	0.0907	0.4235	1.0349	1.6799

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0707	0.0516	0.0632	0.3389	0.5244
10 mph	0.0002	0.0000	0.0001	0.0015	0.1018	0.0757	0.4100	0.5327	1.1221
15 mph	0.0018	0.0000	0.0006	0.0008	0.0646	0.0469	0.2117	0.3630	0.6894
20 mph	0.0000	0.0000	0.0000	0.0003	0.0241	0.0172	0.2331	0.5464	0.8210
25 mph	0.0003	0.0000	0.0001	0.0008	0.0888	0.0623	0.7109	1.4717	2.3349
30 mph	0.0002	0.0000	0.0000	0.0007	0.0676	0.0471	0.5012	1.0113	1.6281
35 mph	0.0015	0.0001	0.0004	0.0009	0.0700	0.0483	0.3178	0.6113	1.0503
40 mph	(0.0003)	(0.0000)	(0.0001)	0.0003	0.0454	0.0311	0.2588	0.4857	0.8209
45 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0338	0.0230	0.1688	0.3108	0.5363
50 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0360	0.0243	0.1339	0.2408	0.4348
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0217	0.0145	0.0461	0.0785	0.1608
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0002	0.0222	0.0149	2.0676	3.6569	5.7616
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0056	0.0037	-	-	0.0093
70 mph	(0.0017)	(0.0001)	(0.0005)	0.0009	0.2496	0.1512	-	-	0.3994
total	0.0014	(0.0001)	0.0005	0.0070	0.9018	0.6118	5.1229	9.6479	16.2933

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0525	0.0525
15 mph								0.0107	0.0107
20 mph								0.0133	0.0133
25 mph								0.0540	0.0540
30 mph								0.0378	0.0378
35 mph								0.0132	0.0132
40 mph								0.0115	0.0115
45 mph								0.0073	0.0073
50 mph								0.0098	0.0098
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.2099	0.2099

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0310	0.0310
25 mph								0.0402	0.0402
30 mph								0.0531	0.0531
35 mph								0.0412	0.0412
40 mph								0.0296	
45 mph								0.0172	
50 mph								0.0070	
55 mph								-	
60 mph								-	
65 mph								-	
70 mph								-	
total	-	-	-	-	-	-	-	0.1656	0.1656

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0008	0.0008
15 mph								0.0210	0.0210
25 mph								0.0422	0.0422
35 mph								-	-
total	-	-	-	-	-	-	-	0.0640	0.0640

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0008	0.0008
10 mph								0.0525	0.0525
15 mph								0.0316	0.0316
20 mph								0.0443	0.0443
25 mph								0.1364	0.1364
30 mph								0.0909	0.0909
35 mph								0.0544	0.0544
40 mph								0.0411	0.0411
45 mph								0.0245	0.0245
50 mph								0.0168	0.0168
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.4933	0.4933

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3295	0.9735	0.5552	0.6046	0.9556	0.8595	0.5149	1.1839
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS + HOTSOAK Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3016	0.0671	0.1899	0.7878	0.4594	0.1290	0.1209	0.0020
Electric/NG	-	-	-	-	-	-	-	-
Total	**0.3016**	**0.0671**	**0.1899**	**0.7878**	**0.4594**	**0.1290**	**0.1209**	**0.0020**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.5175	1.1859	0.7305	0.8550	0.0936	0.0841	0.0699	0.1540
Electric/NG	0.0312	0.0310	0.0312	0.0313	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2368	0.0409	0.1249	0.5571	0.0225	0.0063	0.0082	0.0001
Electric/NG	0.0003	0.0000	0.0001	0.0002	-	-	-	-
Total	0.2371	0.0409	0.1250	0.5572	0.0225	0.0063	0.0082	0.0001

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2423	0.3914	0.3344	0.4284	0.1259	0.1230	0.2135	0.0013
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2218	0.0270	0.1143	0.5582	0.0605	0.0185	0.0502	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.2218	0.0270	0.1143	0.5582	0.0605	0.0185	0.0502	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.6575	0.2360	0.4663	0.3430	1.7028
10 mph	0.0095	0.0018	0.0057	0.0651	0.1373	0.0841	0.4421	0.5875	1.3331
15 mph	0.0909	0.0179	0.0548	0.0476	0.0932	0.0535	0.2327	0.3961	0.9868
20 mph	0.0019	0.0004	0.0012	0.0266	0.0395	0.0207	0.2667	0.5930	0.9501
25 mph	0.0252	0.0052	0.0154	0.0847	0.1506	0.0762	0.8127	1.6157	2.7858
30 mph	0.0131	0.0028	0.0081	0.0793	0.1143	0.0574	0.5688	1.1076	1.9514
35 mph	0.1212	0.0262	0.0751	0.1027	0.1179	0.0586	0.3600	0.6693	1.5310
40 mph	(0.0269)	(0.0059)	(0.0167)	0.0385	0.0769	0.0378	0.2947	0.5298	0.9283
45 mph	(0.0196)	(0.0042)	(0.0121)	0.0288	0.0575	0.0280	0.1930	0.3374	0.6088
50 mph	(0.0219)	(0.0048)	(0.0136)	0.0304	0.0618	0.0296	0.1542	0.2593	0.4951
55 mph	(0.0111)	(0.0024)	(0.0069)	0.0194	0.0377	0.0178	0.0530	0.0791	0.1866
60 mph	(0.0016)	(0.0003)	(0.0010)	0.0240	0.0394	0.0184	2.4015	3.6849	6.1651
65 mph	(0.0024)	(0.0005)	(0.0015)	0.0049	0.0099	0.0046	-	-	0.0151
70 mph	(0.1625)	(0.0402)	(0.1021)	0.1258	0.3856	0.1757	-	-	0.3823
RL+HS	0.3016	0.0671	0.1899	0.7878	0.4594	0.1290	0.1209	0.0020	2.0577
RL+DIURN	0.2371	0.0409	0.1250	0.5572	0.0225	0.0063	0.0082	0.0001	0.9973
STREX	0.2218	0.0270	0.1143	0.5582	0.0605	0.0185	0.0502	0.0000	1.0505
total	0.7762	0.1309	0.4356	2.5814	2.5217	1.0521	6.4250	10.2048	**24.1276**

World Logistics Center
Mobile Emissions - 2022 (Net) - Unmitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.5540	1.5639	2.3899	36.0614
10 mph	0.0714	0.2118	0.1516	0.1903	0.2938	0.3166	0.7609	6.5943
15 mph	0.0628	0.1811	0.1315	0.1664	0.2621	0.2812	0.6672	5.9044
20 mph	0.0562	0.1596	0.1169	0.1490	0.2414	0.2564	0.6027	5.4444
25 mph	0.0509	0.1432	0.1049	0.1344	0.2247	0.2344	0.5391	5.1776
30 mph	0.0470	0.1319	0.0963	0.1240	0.2130	0.2188	0.4910	4.9763
35 mph	0.0440	0.1244	0.0899	0.1162	0.2053	0.2071	0.4548	4.8706
40 mph	0.0420	0.1197	0.0860	0.1117	0.2001	0.1998	0.4391	4.7679
45 mph	0.0408	0.1169	0.0836	0.1091	0.1963	0.1938	0.4173	4.7489
50 mph	0.0404	0.1188	0.0838	0.1096	0.1990	0.1934	0.4248	4.7664
55 mph	0.0409	0.1228	0.0854	0.1117	0.2023	0.1948	0.4185	4.9099
60 mph	0.0430	0.1316	0.0906	0.1189	0.2121	0.2056	0.4515	5.0314
65 mph	0.0447	0.1419	0.0949	0.1241	0.2236	0.2157		
70 mph	0.0447	0.1648	0.0976	0.1271	0.2448	0.2083		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					58.0696	58.3067	54.7053	33.2952
10 mph	0.1404	0.8351	0.1356	0.1148	1.4479	1.3440	7.0454	13.7017
15 mph	0.1150	0.8619	0.0966	0.0851	1.3639	1.2628	5.0221	8.9683
20 mph	0.0978	0.8942	0.0699	0.0653	1.3600	1.2514	3.9785	6.7343
25 mph	0.0900	0.9309	0.0579	0.0572	1.4154	1.2836	3.3371	5.6248
30 mph	0.0865	0.9702	0.0519	0.0538	1.4857	1.3352	2.8120	4.5771
35 mph	0.0841	1.0110	0.0484	0.0524	1.5847	1.4039	2.3938	3.9193
40 mph	0.0842	1.0530	0.0462	0.0515	1.6683	1.4690	2.0909	3.2681
45 mph	0.0852	1.0959	0.0445	0.0508	1.7429	1.5272	1.8813	2.8545
50 mph	0.0874	1.1392	0.0444	0.0514	1.8535	1.6183	1.8180	2.5806
55 mph	0.0883	1.1875	0.0437	0.0518	1.9124	1.6676	1.8365	2.6146
60 mph	0.0917	1.2315	0.0438	0.0524	1.9368	1.7008	1.9670	2.8523
65 mph	0.0915	1.2764	0.0449	0.0549	2.1422	1.8572		
70 mph	0.0911	1.3116	0.0596	0.0663	3.0987	2.4719		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								38.2983
10 mph								5.8743
15 mph								4.4061
20 mph								3.4891
25 mph								3.0687
30 mph								2.8180
35 mph								2.6276
40 mph								2.4816
45 mph								2.3714
50 mph								2.2919
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0374	0.0083	0.0296	0.0851	0.0580	0.0195	0.0849	0.0053	0.3282
15 mph	0.0131	0.0029	0.0103	0.0298	0.0207	0.0069	0.0248	0.0016	0.1101
20 mph	0.0235	0.0050	0.0183	0.0533	0.0381	0.0126	0.0448	0.0029	0.1987
25 mph	0.1066	0.0226	0.0821	0.2406	0.1775	0.0578	0.2206	0.0154	0.9230
30 mph	0.1082	0.0229	0.0828	0.2441	0.1850	0.0593	0.1826	0.0134	0.8984
35 mph	0.0829	0.0177	0.0633	0.1872	0.1459	0.0460	0.0761	0.0059	0.6249
40 mph	0.0264	0.0057	0.0202	0.0600	0.0474	0.0148	0.0816	0.0064	0.2625
45 mph	0.0213	0.0046	0.0164	0.0488	0.0388	0.0120	0.0621	0.0051	0.2090
50 mph	0.0212	0.0047	0.0164	0.0490	0.0393	0.0119	0.1027	0.0084	0.2535
55 mph	0.0171	0.0039	0.0134	0.0400	0.0320	0.0096	0.0234	0.0020	0.1413
60 mph	0.0360	0.0083	0.0284	0.0851	0.0670	0.0203	0.0252	0.0020	0.2723
65 mph	0.0047	0.0011	0.0037	0.0111	0.0088	0.0027	-	-	0.0321
70 mph	-	-	-	-	-	-	-	-	-
total	0.4984	0.1076	0.3848	1.1341	0.8585	0.2734	0.9288	0.0685	4.2541

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0241)	(0.0054)	(0.0191)	0.0209	0.0244	0.0082	-	-	0.0049
15 mph	(0.0212)	(0.0046)	(0.0166)	0.0183	0.0218	0.0073	-	-	0.0049
20 mph	(0.0190)	(0.0041)	(0.0148)	0.0164	0.0200	0.0066	0.1050	0.0069	0.1171
25 mph	(0.0344)	(0.0073)	(0.0265)	0.0296	0.0373	0.0121	0.1644	0.0114	0.1867
30 mph	(0.0635)	(0.0134)	(0.0486)	0.0546	0.0707	0.0227	0.2566	0.0189	0.2979
35 mph	(0.1338)	(0.0285)	(0.1022)	0.1151	0.1533	0.0483	0.2378	0.0185	0.3085
40 mph	(0.1419)	(0.0305)	(0.1086)	0.1229	0.1661	0.0518	0.2104	0.0166	0.2866
45 mph	(0.1102)	(0.0238)	(0.0845)	0.0960	0.1303	0.0402	0.1454	0.0120	0.2055
50 mph	(0.1230)	(0.0272)	(0.0952)	0.1085	0.1486	0.0451	0.0740	0.0060	0.1368
55 mph	(0.0692)	(0.0156)	(0.0539)	0.0615	0.0840	0.0252	0.0365	0.0031	0.0715
60 mph	(0.0436)	(0.0100)	(0.0343)	0.0393	0.0528	0.0160	2.7533	0.2225	2.9959
65 mph	(0.0151)	(0.0036)	(0.0120)	0.0137	0.0186	0.0056	-	-	0.0071
70 mph	(0.6953)	(0.1929)	(0.5666)	0.6431	0.9346	0.2482	-	-	0.3711
total	(1.4943)	(0.3669)	(1.1830)	1.3397	1.8624	0.5374	3.9834	0.3159	4.9945

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0512	0.0161	0.0358	0.0056	0.1087
15 mph	0.1743	0.0379	0.1365	0.0513	0.0434	0.0145	0.0488	0.0031	0.5098
25 mph	-	-	-	-	0.0706	0.0230	0.1725	0.0120	0.2781
35 mph	0.5256	0.1120	0.4016	0.1416	-	-	-	-	1.1809
total	0.7000	0.1499	0.5381	0.1929	0.1652	0.0536	0.2571	0.0207	2.0775

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0512	0.0161	0.0358	0.0056	0.1087
10 mph	0.0132	0.0030	0.0105	0.1061	0.0824	0.0277	0.0849	0.0053	0.3331
15 mph	0.1663	0.0361	0.1302	0.0994	0.0858	0.0287	0.0736	0.0047	0.6248
20 mph	0.0045	0.0010	0.0035	0.0697	0.0582	0.0193	0.1498	0.0098	0.3159
25 mph	0.0722	0.0153	0.0556	0.2702	0.2854	0.0929	0.5574	0.0388	1.3877
30 mph	0.0447	0.0094	0.0342	0.2987	0.2557	0.0820	0.4392	0.0323	1.1963
35 mph	0.4747	0.1011	0.3627	0.4439	0.2992	0.0943	0.3139	0.0244	2.1142
40 mph	(0.1156)	(0.0248)	(0.0885)	0.1828	0.2135	0.0666	0.2920	0.0230	0.5491
45 mph	(0.0889)	(0.0192)	(0.0681)	0.1449	0.1691	0.0521	0.2075	0.0171	0.4145
50 mph	(0.1018)	(0.0225)	(0.0788)	0.1575	0.1879	0.0570	0.1767	0.0144	0.3904
55 mph	(0.0520)	(0.0118)	(0.0406)	0.1014	0.1159	0.0349	0.0598	0.0051	0.2128
60 mph	(0.0076)	(0.0017)	(0.0060)	0.1244	0.1198	0.0363	2.7785	0.2245	3.2682
65 mph	(0.0104)	(0.0025)	(0.0083)	0.0248	0.0274	0.0083	-	-	0.0392
70 mph	(0.6953)	(0.1929)	(0.5666)	0.6431	0.9346	0.2482	-	-	0.3711
total	(0.2960)	(0.1095)	(0.2601)	2.6668	2.8861	0.8644	5.1693	0.4051	11.3261

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0002	0.0011	0.1932	0.1309	3.7999	14.1465	18.2724
15 mph	0.0002	0.0000	0.0000	0.0003	0.0728	0.0492	0.9029	3.0865	4.1119
20 mph	0.0004	0.0000	0.0001	0.0005	0.1452	0.0975	1.4305	4.6353	6.3094
25 mph	0.0017	0.0001	0.0003	0.0022	0.7554	0.5002	6.5994	21.2939	29.1531
30 mph	0.0018	0.0001	0.0003	0.0022	0.8722	0.5724	5.0553	15.7525	22.2568
35 mph	0.0014	0.0001	0.0002	0.0018	0.7612	0.4924	1.9366	6.0698	9.2635
40 mph	0.0005	0.0000	0.0001	0.0006	0.2671	0.1717	1.8795	5.6236	7.9431
45 mph	0.0004	0.0000	0.0001	0.0005	0.2325	0.1488	1.3529	3.9295	5.6647
50 mph	0.0004	0.0000	0.0001	0.0005	0.2473	0.1577	2.1244	5.7729	8.3033
55 mph	0.0003	0.0000	0.0000	0.0004	0.2041	0.1300	0.4952	1.3498	2.1799
60 mph	0.0007	0.0000	0.0001	0.0008	0.4134	0.2651	0.5304	1.4724	2.6831
65 mph	0.0001	0.0000	0.0000	0.0001	0.0572	0.0362	-	-	0.0936
70 mph	-	-	-	-	-	-	-	-	-
total	0.0086	0.0004	0.0014	0.0109	4.2216	2.7522	26.1070	83.1327	116.2348

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0004)	(0.0000)	(0.0001)	0.0003	0.0812	0.0550	-	-	0.1359
15 mph	(0.0004)	(0.0000)	(0.0001)	0.0002	0.0765	0.0517	-	-	0.1280
20 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0763	0.0512	3.3509	10.8581	14.3363
25 mph	(0.0005)	(0.0000)	(0.0001)	0.0003	0.1587	0.1051	4.9188	15.8712	21.0535
30 mph	(0.0011)	(0.0001)	(0.0002)	0.0005	0.3333	0.2187	7.1053	22.1401	29.7965
35 mph	(0.0023)	(0.0001)	(0.0003)	0.0011	0.7998	0.5174	6.0487	18.9581	26.3223
40 mph	(0.0026)	(0.0001)	(0.0004)	0.0012	0.9355	0.6015	4.8429	14.4907	20.8688
45 mph	(0.0021)	(0.0001)	(0.0003)	0.0009	0.7819	0.5003	3.1691	9.2049	13.6546
50 mph	(0.0024)	(0.0001)	(0.0003)	0.0011	0.9355	0.5964	1.5312	4.1609	7.2222
55 mph	(0.0013)	(0.0001)	(0.0002)	0.0006	0.5362	0.3414	0.7734	2.1079	3.7579
60 mph	(0.0008)	(0.0000)	(0.0001)	0.0004	0.3258	0.2089	57.9856	160.9622	219.4818
65 mph	(0.0003)	(0.0000)	(0.0000)	0.0001	0.1201	0.0760	-	-	0.1960
70 mph	(0.0128)	(0.0008)	(0.0022)	0.0071	7.9932	4.6563	-	-	12.6408
total	(0.0273)	(0.0016)	(0.0043)	0.0139	13.1539	7.9802	89.7259	258.7540	369.5947

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.2931	0.9481	3.9659	4.6207	10.8278
15 mph	0.0029	0.0001	0.0006	0.0006	0.1525	0.1031	1.7748	6.0672	8.1017
25 mph	-	-	-	-	0.3005	0.1990	5.1607	16.6517	22.3119
35 mph	0.0091	0.0005	0.0014	0.0014	-	-	-	-	0.0123
total	0.0119	0.0006	0.0020	0.0019	1.7461	1.2502	10.9014	27.3395	41.2538

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.2931	0.9481	3.9659	4.6207	10.8278
10 mph	0.0002	0.0000	0.0001	0.0014	0.2744	0.1860	3.7999	14.1465	18.4084
15 mph	0.0027	0.0001	0.0006	0.0011	0.3018	0.2040	2.6777	9.1536	12.3416
20 mph	0.0001	0.0000	0.0000	0.0006	0.2214	0.1488	4.7814	15.4933	20.6457
25 mph	0.0012	0.0001	0.0002	0.0024	1.2147	0.8044	16.6790	53.8167	72.5186
30 mph	0.0007	0.0000	0.0001	0.0027	1.2055	0.7911	12.1606	37.8925	52.0533
35 mph	0.0082	0.0004	0.0012	0.0042	1.5610	1.0098	7.9853	25.0279	35.5981
40 mph	(0.0021)	(0.0001)	(0.0003)	0.0018	1.2026	0.7733	6.7224	20.1143	28.8119
45 mph	(0.0017)	(0.0001)	(0.0002)	0.0014	1.0144	0.6491	4.5219	13.1345	19.3193
50 mph	(0.0020)	(0.0001)	(0.0003)	0.0016	1.1828	0.7541	3.6556	9.9338	15.5255
55 mph	(0.0010)	(0.0001)	(0.0001)	0.0010	0.7403	0.4714	1.2686	3.4576	5.9378
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0012	0.7393	0.4741	58.5160	162.4346	222.1649
65 mph	(0.0002)	(0.0000)	(0.0000)	0.0002	0.1773	0.1122	-	-	0.2895
70 mph	(0.0128)	(0.0008)	(0.0022)	0.0071	7.9932	4.6563	-	-	12.6408
total	(0.0067)	(0.0006)	(0.0009)	0.0268	19.1216	11.9827	126.7343	369.2262	527.0833

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.3060	0.3060
15 mph								0.0765	0.0765
20 mph								0.1212	0.1212
25 mph								0.5862	0.5862
30 mph								0.4894	0.4894
35 mph								0.2053	0.2053
40 mph								0.2155	0.2155
45 mph								0.1647	0.1647
50 mph								0.2587	0.2587
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.4236	2.4236

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.2839	0.2839
25 mph								0.4369	0.4369
30 mph								0.6878	0.6878
35 mph								0.6413	0.6413
40 mph								0.5552	0.5552
45 mph								0.3859	0.3859
50 mph								0.1865	0.1865
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.0499	2.0499

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.2682	0.2682
15 mph								0.1504	0.1504
25 mph								0.4584	0.4584
35 mph								-	-
total	-	-	-	-	-	-	-	0.8770	0.8770

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.2682	0.2682
10 mph								0.3060	0.3060
15 mph								0.2269	0.2269
20 mph								0.4051	0.4051
25 mph								1.4815	1.4815
30 mph								1.1772	1.1772
35 mph								0.8467	0.8467
40 mph								0.7707	0.7707
45 mph								0.5506	0.5506
50 mph								0.4452	0.4452
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	6.4781	6.4781

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.3443	0.9642	4.0018	4.8945	11.2048
10 mph	0.0135	0.0030	0.0106	0.1074	0.3568	0.2137	3.8848	14.4579	19.0475
15 mph	0.1690	0.0362	0.1308	0.1004	0.3876	0.2328	2.7513	9.3853	13.1934
20 mph	0.0046	0.0010	0.0035	0.0704	0.2796	0.1681	4.9313	15.9082	21.3666
25 mph	0.0733	0.0153	0.0558	0.2726	1.5000	0.8973	17.2364	55.3371	75.3878
30 mph	0.0454	0.0095	0.0343	0.3014	1.4612	0.8731	12.5998	39.1020	54.4268
35 mph	0.4829	0.1016	0.3640	0.4481	1.8602	1.1041	8.2992	25.8990	38.5590
40 mph	(0.1177)	(0.0249)	(0.0888)	0.1846	1.4161	0.8398	7.0144	20.9080	30.1316
45 mph	(0.0905)	(0.0193)	(0.0684)	0.1463	1.1835	0.7012	4.7294	13.7022	20.2844
50 mph	(0.1038)	(0.0226)	(0.0791)	0.1591	1.3707	0.8111	3.8324	10.3934	16.3611
55 mph	(0.0530)	(0.0118)	(0.0407)	0.1024	0.8562	0.5063	1.3285	3.4627	6.1506
60 mph	(0.0077)	(0.0018)	(0.0060)	0.1256	0.8591	0.5103	61.2945	162.6591	225.4331
65 mph	(0.0106)	(0.0025)	(0.0083)	0.0250	0.2047	0.1205	-	-	0.3288
70 mph	(0.7081)	(0.1937)	(0.5688)	0.6502	8.9278	4.9046	-	-	13.0119
STREX	0.1771	0.0191	0.1045	0.4843	0.2445	0.0776	1.9759	4.3388	7.4218
total	(0.1257)	(0.0909)	(0.1566)	3.1778	22.2522	12.9247	133.8796	380.4482	**552.3093**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1935	0.2771	0.3055	0.3716	0.5086	0.5173	0.3592	0.6120
Diesel	-	-	-	-	-	-	1.6660	1.9958
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1771	0.0191	0.1045	0.4843	0.2445	0.0776	0.0844	0.0010
Diesel	-	-	-	-	-	-	1.8916	4.3378
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1771	0.0191	0.1045	0.4843	0.2445	0.0776	1.9759	4.3388

World Logistics Center
Mobile Emissions - 2022 (Net) - Unmitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					153.9246	154.2272	384.4132	419.7456
10 mph	1.2381	2.6123	1.7670	2.1818	1.7712	1.2327	3.3253	71.6381
15 mph	1.1249	2.3093	1.5890	1.9281	1.4218	1.0404	2.8862	61.1359
20 mph	1.0248	2.0674	1.4387	1.7234	1.1974	0.9059	2.5859	53.6545
25 mph	0.9342	1.8648	1.3036	1.5433	1.0290	0.7888	2.2807	48.1871
30 mph	0.8544	1.6970	1.1874	1.3970	0.9121	0.7032	2.0315	43.7928
35 mph	0.7838	1.5609	1.0869	1.2742	0.8341	0.6381	1.8306	40.4289
40 mph	0.7270	1.4519	1.0086	1.1843	0.7914	0.6000	1.7197	37.8520
45 mph	0.6788	1.3577	0.9419	1.1129	0.7659	0.5674	1.5775	36.0277
50 mph	0.6356	1.2933	0.8869	1.0594	0.7772	0.5555	1.5470	34.6774
55 mph	0.5926	1.2249	0.8304	1.0077	0.8009	0.5453	1.4439	34.2957
60 mph	0.5472	1.1520	0.7723	0.9713	0.8758	0.5715	1.4741	34.4994
65 mph	0.5084	1.1080	0.7237	0.9337	1.0173	0.6274		
70 mph	0.4827	1.1863	0.7021	0.8795	1.0171	0.5208		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	19.8628	32.4825
10 mph	2.3639	2.8094	1.6827	2.4511	2.0788	2.1088	1.4547	1.9948
15 mph	1.1891	1.9396	0.8324	1.2071	1.1520	1.1528	0.9197	1.3382
20 mph	0.5026	1.4078	0.3353	0.4843	0.6154	0.6003	0.6228	1.0134
25 mph	0.3189	1.1443	0.2065	0.2987	0.4501	0.4313	0.4983	0.7342
30 mph	0.2475	0.9949	0.1581	0.2296	0.3768	0.3577	0.4208	0.5906
35 mph	0.2023	0.9144	0.1278	0.1864	0.3375	0.3160	0.3590	0.4657
40 mph	0.1735	0.8813	0.1076	0.1568	0.3157	0.2927	0.3138	0.3803
45 mph	0.1550	0.8926	0.0936	0.1360	0.3094	0.2840	0.2810	0.3178
50 mph	0.1442	0.9534	0.0846	0.1222	0.3234	0.2939	0.2681	0.2855
55 mph	0.1388	1.0775	0.0784	0.1129	0.3486	0.3141	0.2654	0.2577
60 mph	0.1459	1.2717	0.0784	0.1122	0.3930	0.3540	0.2726	0.2760
65 mph	0.1595	1.6068	0.0842	0.1207	0.5082	0.4505		
70 mph	0.1629	1.9447	0.1028	0.1365	0.7954	0.6528		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								31.6921
10 mph								33.1789
15 mph								23.3516
20 mph								16.8832
25 mph								12.3795
30 mph								9.1327
35 mph								6.7401
40 mph								4.9773
45 mph								3.6788
50 mph								2.7228
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.6480	0.1030	0.3456	0.9761	0.3497	0.0760	0.3710	0.0580	2.9274
15 mph	0.2355	0.0364	0.1243	0.3450	0.1123	0.0257	0.1073	0.0165	1.0030
20 mph	0.4291	0.0652	0.2251	0.6168	0.1892	0.0447	0.1924	0.0289	1.7913
25 mph	1.9558	0.2940	1.0197	2.7618	0.8127	0.1945	0.9331	0.1430	8.1147
30 mph	1.9676	0.2943	1.0218	2.7500	0.7924	0.1907	0.7556	0.1181	7.8905
35 mph	1.4769	0.2215	0.7652	2.0521	0.5929	0.1416	0.3064	0.0491	5.6057
40 mph	0.4566	0.0687	0.2367	0.6358	0.1875	0.0444	0.3198	0.0510	2.0005
45 mph	0.3553	0.0535	0.1842	0.4979	0.1512	0.0350	0.2347	0.0389	1.5506
50 mph	0.3327	0.0510	0.1734	0.4739	0.1535	0.0342	0.3740	0.0608	1.6535
55 mph	0.2482	0.0386	0.1299	0.3607	0.1265	0.0269	0.0806	0.0139	1.0252
60 mph	0.4583	0.0726	0.2416	0.6953	0.2767	0.0564	0.0822	0.0140	1.8971
65 mph	0.0532	0.0087	0.0283	0.0835	0.0402	0.0077	-	-	0.2217
70 mph	-	-	-	-	-	-	-	-	-
total	8.6172	1.3074	4.4958	12.2491	3.7848	0.8778	3.7570	0.5921	35.6812

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.4184)	(0.0665)	(0.2231)	0.2401	0.1470	0.0319	-	-	(0.2890)
15 mph	(0.3801)	(0.0588)	(0.2006)	0.2121	0.1180	0.0270	-	-	(0.2825)
20 mph	(0.3463)	(0.0526)	(0.1817)	0.1896	0.0994	0.0235	0.4506	0.0678	0.2502
25 mph	(0.6314)	(0.0949)	(0.3292)	0.3396	0.1708	0.0409	0.6955	0.1066	0.2978
30 mph	(1.1549)	(0.1727)	(0.5997)	0.6148	0.3028	0.0729	1.0619	0.1660	0.2910
35 mph	(2.3841)	(0.3575)	(1.2352)	1.2617	0.6230	0.1488	0.9569	0.1532	(0.8331)
40 mph	(2.4568)	(0.3695)	(1.2736)	1.3030	0.6567	0.1555	0.8241	0.1315	(1.0292)
45 mph	(1.8351)	(0.2764)	(0.9515)	0.9795	0.5085	0.1176	0.5497	0.0910	(0.8165)
50 mph	(1.9333)	(0.2962)	(1.0079)	1.0490	0.5805	0.1295	0.2696	0.0438	(1.1649)
55 mph	(1.0014)	(0.1558)	(0.5243)	0.5544	0.3323	0.0706	0.1258	0.0217	(0.5767)
60 mph	(0.5548)	(0.0879)	(0.2925)	0.3206	0.2180	0.0444	8.9898	1.5257	10.1633
65 mph	(0.1718)	(0.0282)	(0.0914)	0.1027	0.0844	0.0163	-	-	(0.0880)
70 mph	(7.5043)	(1.3887)	(4.0782)	4.4512	3.8828	0.6208	-	-	(4.0163)
total	(20.7727)	(3.4057)	(10.9888)	11.6183	7.7242	1.4996	13.9239	2.3073	1.9062

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	5.0726	1.5869	5.7654	0.0651	12.4899
15 mph	3.1248	0.4830	1.6493	0.5944	0.2352	0.0537	0.2110	0.0324	6.3839
25 mph	-	-	-	-	0.3234	0.0774	0.7297	0.1118	1.2422
35 mph	9.3687	1.4048	4.8541	1.5529	-	-	-	-	17.1805
total	12.4935	1.8878	6.5034	2.1473	5.6312	1.7180	6.7061	0.2093	37.2966

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	5.0726	1.5869	5.7654	0.0651	12.4899
10 mph	0.2296	0.0365	0.1224	1.2162	0.4967	0.1079	0.3710	0.0580	2.6383
15 mph	2.9801	0.4607	1.5730	1.1515	0.4655	0.1064	0.3184	0.0489	7.1045
20 mph	0.0828	0.0126	0.0434	0.8064	0.2885	0.0682	0.6430	0.0967	2.0416
25 mph	1.3244	0.1991	0.6905	3.1014	1.3069	0.3128	2.3582	0.3613	9.6546
30 mph	0.8127	0.1215	0.4220	3.3648	1.0952	0.2636	1.8175	0.2841	8.1814
35 mph	8.4616	1.2688	4.3841	4.8667	1.2159	0.2904	1.2633	0.2023	21.9532
40 mph	(2.0002)	(0.3008)	(1.0369)	1.9387	0.8443	0.1998	1.1439	0.1826	0.9713
45 mph	(1.4798)	(0.2229)	(0.7673)	1.4774	0.6597	0.1526	0.7844	0.1299	0.7341
50 mph	(1.6006)	(0.2452)	(0.8344)	1.5230	0.7339	0.1638	0.6435	0.1046	0.4886
55 mph	(0.7533)	(0.1172)	(0.3943)	0.9151	0.4589	0.0975	0.2063	0.0355	0.4485
60 mph	(0.0965)	(0.0153)	(0.0509)	1.0159	0.4947	0.1008	9.0721	1.5396	12.0604
65 mph	(0.1186)	(0.0195)	(0.0631)	0.1863	0.1246	0.0240	-	-	0.1337
70 mph	(7.5043)	(1.3887)	(4.0782)	4.4512	3.8828	0.6208	-	-	(4.0163)
total	0.3379	(0.2105)	0.0104	26.0147	17.1402	4.0955	24.3870	3.1086	74.8839

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0112	0.0001	0.0021	0.0232	0.2774	0.2055	0.7846	2.0595	3.3634
15 mph	0.0022	0.0000	0.0004	0.0046	0.0615	0.0449	0.1653	0.4606	0.7396
20 mph	0.0019	0.0000	0.0003	0.0037	0.0657	0.0468	0.2239	0.6975	1.0399
25 mph	0.0060	0.0001	0.0010	0.0113	0.2402	0.1681	0.9855	2.7794	4.1916
30 mph	0.0051	0.0001	0.0009	0.0096	0.2212	0.1534	0.7565	2.0327	3.1795
35 mph	0.0034	0.0001	0.0006	0.0064	0.1621	0.1108	0.2904	0.7212	1.2949
40 mph	0.0010	0.0000	0.0002	0.0018	0.0505	0.0342	0.2821	0.6544	1.0242
45 mph	0.0007	0.0000	0.0001	0.0013	0.0413	0.0277	0.2021	0.4375	0.7107
50 mph	0.0007	0.0000	0.0001	0.0012	0.0432	0.0286	0.3133	0.6387	1.0257
55 mph	0.0005	0.0000	0.0001	0.0009	0.0372	0.0245	0.0716	0.1330	0.2678
60 mph	0.0011	0.0000	0.0002	0.0017	0.0839	0.0552	0.0735	0.1425	0.3581
65 mph	0.0002	0.0000	0.0000	0.0002	0.0136	0.0088	-	-	0.0227
70 mph	-	-	-	-	-	-	-	-	-
total	0.0341	0.0005	0.0059	0.0657	1.2977	0.9084	4.1488	10.7569	17.2180

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0072)	(0.0000)	(0.0013)	0.0057	0.1166	0.0864	-	-	0.2000
15 mph	(0.0036)	(0.0000)	(0.0007)	0.0028	0.0646	0.0472	-	-	0.1103
20 mph	(0.0015)	(0.0000)	(0.0003)	0.0011	0.0345	0.0246	0.5246	1.6340	2.2169
25 mph	(0.0019)	(0.0000)	(0.0003)	0.0014	0.0505	0.0353	0.7345	2.0716	2.8910
30 mph	(0.0030)	(0.0001)	(0.0005)	0.0021	0.0845	0.0586	1.0632	2.8570	4.0619
35 mph	(0.0055)	(0.0001)	(0.0009)	0.0039	0.1703	0.1164	0.9071	2.2524	3.4436
40 mph	(0.0053)	(0.0001)	(0.0009)	0.0037	0.1770	0.1199	0.7269	1.6861	2.7073
45 mph	(0.0038)	(0.0001)	(0.0006)	0.0025	0.1388	0.0930	0.4734	1.0249	1.7281
50 mph	(0.0040)	(0.0001)	(0.0006)	0.0026	0.1632	0.1083	0.2258	0.4603	0.9556
55 mph	(0.0021)	(0.0001)	(0.0003)	0.0013	0.0977	0.0643	0.1118	0.2077	0.4804
60 mph	(0.0013)	(0.0001)	(0.0002)	0.0008	0.0661	0.0435	8.0368	15.5771	23.7227
65 mph	(0.0005)	(0.0000)	(0.0001)	0.0003	0.0285	0.0184	-	-	0.0466
70 mph	(0.0228)	(0.0012)	(0.0038)	0.0146	2.0519	1.2297	-	-	3.2684
total	(0.0626)	(0.0020)	(0.0105)	0.0429	3.2443	2.0457	12.8041	27.7711	45.8329

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.5857	0.4277	1.4400	4.5079	6.9612
15 mph	0.0298	0.0002	0.0055	0.0079	0.1288	0.0941	0.3250	0.9053	1.4966
25 mph	-	-	-	-	0.0956	0.0669	0.7706	2.1735	3.1065
35 mph	0.0218	0.0004	0.0036	0.0048	-	-	-	-	0.0307
total	0.0516	0.0006	0.0091	0.0127	0.8100	0.5887	2.5356	7.5867	11.5950

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.5857	0.4277	1.4400	4.5079	6.9612
10 mph	0.0040	0.0000	0.0007	0.0289	0.3939	0.2918	0.7846	2.0595	3.5635
15 mph	0.0284	0.0002	0.0052	0.0153	0.2549	0.1863	0.4904	1.3659	2.3465
20 mph	0.0004	0.0000	0.0001	0.0048	0.1002	0.0714	0.7485	2.3315	3.2568
25 mph	0.0041	0.0001	0.0007	0.0127	0.3863	0.2703	2.4906	7.0244	10.1891
30 mph	0.0021	0.0000	0.0004	0.0117	0.3058	0.2119	1.8197	4.8897	7.2414
35 mph	0.0197	0.0004	0.0033	0.0151	0.3324	0.2273	1.1975	2.9736	4.7692
40 mph	(0.0043)	(0.0001)	(0.0007)	0.0054	0.2276	0.1541	1.0090	2.3405	3.7315
45 mph	(0.0030)	(0.0001)	(0.0005)	0.0038	0.1801	0.1207	0.6754	1.4624	2.4388
50 mph	(0.0033)	(0.0001)	(0.0005)	0.0037	0.2064	0.1369	0.5390	1.0990	1.9812
55 mph	(0.0016)	(0.0001)	(0.0002)	0.0022	0.1349	0.0888	0.1834	0.3407	0.7481
60 mph	(0.0002)	(0.0000)	(0.0000)	0.0025	0.1500	0.0987	8.1103	15.7196	24.0808
65 mph	(0.0003)	(0.0000)	(0.0000)	0.0005	0.0421	0.0272	-	-	0.0694
70 mph	(0.0228)	(0.0012)	(0.0038)	0.0146	2.0519	1.2297	-	-	3.2684
total	0.0230	(0.0008)	0.0046	0.1213	5.3520	3.5427	19.4885	46.1148	74.6460

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1.7285	1.7285
15 mph								0.4055	0.4055
20 mph								0.5864	0.5864
25 mph								2.3648	2.3648
30 mph								1.5860	1.5860
35 mph								0.5267	0.5267
40 mph								0.4322	0.4322
45 mph								0.2555	0.2555
50 mph								0.3073	0.3073
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	8.1930	8.1930

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1.3736	1.3736
25 mph								1.7626	1.7626
30 mph								2.2291	2.2291
35 mph								1.6451	1.6451
40 mph								1.1136	1.1136
45 mph								0.5986	0.5986
50 mph								0.2215	0.2215
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	7.0104	7.0104

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.2219	0.2219
15 mph								0.7971	0.7971
25 mph								1.8493	1.8493
35 mph								-	-
total	-	-	-	-	-	-	-	2.8683	2.8683

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.2219	0.2219
10 mph								1.7285	1.7285
15 mph								1.2027	1.2027
20 mph								1.9600	1.9600
25 mph								5.9766	5.9766
30 mph								3.8151	3.8151
35 mph								2.1718	2.1718
40 mph								1.5458	1.5458
45 mph								0.8541	0.8541
50 mph								0.5289	0.5289
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	20.0054	20.0054

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	5.6583	2.0145	7.2054	4.7949	19.6731
10 mph	0.2336	0.0365	0.1232	1.2451	0.8906	0.3997	1.1556	3.8460	7.9304
15 mph	3.0085	0.4609	1.5782	1.1668	0.7204	0.2926	0.8087	2.6174	10.6536
20 mph	0.0831	0.0126	0.0435	0.8112	0.3887	0.1395	1.3915	4.3882	7.2584
25 mph	1.3285	0.1991	0.6912	3.1142	1.6932	0.5831	4.8489	13.3623	25.8204
30 mph	0.8148	0.1216	0.4224	3.3765	1.4010	0.4756	3.6372	8.9889	19.2379
35 mph	8.4813	1.2692	4.3874	4.8818	1.5483	0.5177	2.4609	5.3477	28.8942
40 mph	(2.0045)	(0.3009)	(1.0376)	1.9442	1.0718	0.3539	2.1529	4.0688	6.2486
45 mph	(1.4828)	(0.2230)	(0.7677)	1.4813	0.8398	0.2733	1.4598	2.4465	4.0271
50 mph	(1.6039)	(0.2453)	(0.8349)	1.5267	0.9403	0.3007	1.1826	1.7325	2.9987
55 mph	(0.7548)	(0.1173)	(0.3946)	0.9172	0.5938	0.1863	0.3897	0.3763	1.1966
60 mph	(0.0968)	(0.0153)	(0.0509)	1.0184	0.6447	0.1995	17.1824	17.2592	36.1412
65 mph	(0.1189)	(0.0195)	(0.0631)	0.1868	0.1667	0.0512	-	-	0.2031
70 mph	(7.5271)	(1.3899)	(4.0819)	4.4658	5.9347	1.8505	-	-	(0.7479)
STREX	1.9600	0.1598	0.9333	4.1755	0.8339	0.2561	1.0365	0.0084	9.3635
total	2.3210	(0.0514)	0.9482	30.3115	23.3261	7.8943	44.9119	69.2372	**178.8988**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.1415	2.3194	2.7290	3.2042	1.7345	1.7061	4.4126	4.9305
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.9600	0.1598	0.9333	4.1755	0.8339	0.2561	1.0365	0.0084
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	1.9600	0.1598	0.9333	4.1755	0.8339	0.2561	1.0365	0.0084

World Logistics Center
Mobile Emissions - 2022 (Net) - Unmitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0565	0.0565	0.1433	0.2403
10 mph	0.0050	0.0059	0.0063	0.0078	0.0150	0.0173	0.0314	0.0391
15 mph	0.0041	0.0048	0.0052	0.0063	0.0123	0.0141	0.0257	0.0320
20 mph	0.0034	0.0040	0.0043	0.0053	0.0102	0.0117	0.0213	0.0266
25 mph	0.0029	0.0034	0.0037	0.0045	0.0087	0.0100	0.0182	0.0228
30 mph	0.0026	0.0030	0.0033	0.0040	0.0078	0.0089	0.0162	0.0202
35 mph	0.0024	0.0028	0.0030	0.0037	0.0072	0.0083	0.0150	0.0187
40 mph	0.0023	0.0027	0.0029	0.0036	0.0070	0.0080	0.0145	0.0181
45 mph	0.0024	0.0027	0.0030	0.0036	0.0070	0.0080	0.0146	0.0181
50 mph	0.0024	0.0028	0.0030	0.0037	0.0072	0.0083	0.0150	0.0186
55 mph	0.0025	0.0029	0.0032	0.0039	0.0075	0.0086	0.0156	0.0194
60 mph	0.0026	0.0030	0.0033	0.0040	0.0078	0.0090	0.0162	0.0202
65 mph	0.0027	0.0031	0.0033	0.0041	0.0080	0.0092		
70 mph	0.0027	0.0032	0.0034	0.0042	0.0082	0.0093		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0361	0.0580	0.0610	0.0563
10 mph	0.0040	0.0085	0.0055	0.0068	0.0094	0.0105	0.0185	0.0321
15 mph	0.0033	0.0070	0.0045	0.0058	0.0061	0.0070	0.0147	0.0231
20 mph	0.0027	0.0058	0.0037	0.0048	0.0052	0.0060	0.0125	0.0189
25 mph	0.0023	0.0048	0.0031	0.0041	0.0046	0.0053	0.0110	0.0163
30 mph	0.0020	0.0042	0.0027	0.0035	0.0042	0.0048	0.0098	0.0144
35 mph	0.0018	0.0037	0.0024	0.0032	0.0042	0.0048	0.0088	0.0134
40 mph	0.0017	0.0035	0.0023	0.0030	0.0041	0.0046	0.0081	0.0122
45 mph	0.0016	0.0034	0.0022	0.0029	0.0040	0.0045	0.0077	0.0115
50 mph	0.0016	0.0034	0.0022	0.0029	0.0042	0.0046	0.0076	0.0111
55 mph	0.0017	0.0035	0.0023	0.0030	0.0044	0.0048	0.0077	0.0113
60 mph	0.0018	0.0038	0.0025	0.0033	0.0044	0.0048	0.0081	0.0118
65 mph	0.0021	0.0042	0.0028	0.0037	0.0045	0.0048		
70 mph	0.0022	0.0044	0.0030	0.0041	0.0046	0.0049		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0026	0.0002	0.0012	0.0035	0.0030	0.0011	0.0035	0.0000	0.0152
15 mph	0.0009	0.0001	0.0004	0.0011	0.0010	0.0003	0.0010	0.0000	0.0048
20 mph	0.0014	0.0001	0.0007	0.0019	0.0016	0.0006	0.0016	0.0000	0.0079
25 mph	0.0061	0.0005	0.0029	0.0081	0.0069	0.0025	0.0075	0.0001	0.0345
30 mph	0.0060	0.0005	0.0028	0.0079	0.0067	0.0024	0.0060	0.0001	0.0325
35 mph	0.0046	0.0004	0.0021	0.0060	0.0051	0.0018	0.0025	0.0000	0.0226
40 mph	0.0015	0.0001	0.0007	0.0019	0.0016	0.0006	0.0027	0.0000	0.0092
45 mph	0.0012	0.0001	0.0006	0.0016	0.0014	0.0005	0.0022	0.0000	0.0076
50 mph	0.0013	0.0001	0.0006	0.0017	0.0014	0.0005	0.0036	0.0000	0.0092
55 mph	0.0011	0.0001	0.0005	0.0014	0.0012	0.0004	0.0009	0.0000	0.0055
60 mph	0.0022	0.0002	0.0010	0.0029	0.0025	0.0009	0.0009	0.0000	0.0105
65 mph	0.0003	0.0000	0.0001	0.0004	0.0003	0.0001	-	-	0.0012
70 mph	-	-	-	-	-	-	-	-	-
total	0.0291	0.0026	0.0137	0.0383	0.0327	0.0117	0.0323	0.0003	0.1607

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0017)	(0.0001)	(0.0008)	0.0009	0.0012	0.0004	-	-	(0.0001)
15 mph	(0.0014)	(0.0001)	(0.0007)	0.0007	0.0010	0.0004	-	-	(0.0001)
20 mph	(0.0012)	(0.0001)	(0.0005)	0.0006	0.0008	0.0003	0.0037	0.0000	0.0037
25 mph	(0.0020)	(0.0002)	(0.0009)	0.0010	0.0015	0.0005	0.0056	0.0001	0.0055
30 mph	(0.0035)	(0.0003)	(0.0017)	0.0018	0.0026	0.0009	0.0085	0.0001	0.0083
35 mph	(0.0073)	(0.0006)	(0.0034)	0.0037	0.0054	0.0019	0.0078	0.0001	0.0075
40 mph	(0.0079)	(0.0007)	(0.0037)	0.0040	0.0058	0.0021	0.0070	0.0001	0.0065
45 mph	(0.0064)	(0.0006)	(0.0030)	0.0032	0.0046	0.0017	0.0051	0.0000	0.0047
50 mph	(0.0074)	(0.0006)	(0.0035)	0.0037	0.0054	0.0019	0.0026	0.0000	0.0022
55 mph	(0.0043)	(0.0004)	(0.0020)	0.0021	0.0031	0.0011	0.0014	0.0000	0.0011
60 mph	(0.0026)	(0.0002)	(0.0012)	0.0013	0.0019	0.0007	0.0990	0.0009	0.0998
65 mph	(0.0009)	(0.0001)	(0.0004)	0.0005	0.0007	0.0002	-	-	(0.0000)
70 mph	(0.0417)	(0.0037)	(0.0196)	0.0213	0.0311	0.0111	-	-	(0.0014)
total	(0.0882)	(0.0078)	(0.0414)	0.0446	0.0652	0.0233	0.1406	0.0013	0.1375

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0019	0.0006	0.0021	0.0000	0.0046
15 mph	0.0115	0.0010	0.0054	0.0020	0.0020	0.0007	0.0019	0.0000	0.0245
25 mph	-	-	-	-	0.0027	0.0010	0.0058	0.0001	0.0096
35 mph	0.0289	0.0025	0.0135	0.0045	-	-	-	-	0.0495
total	0.0403	0.0035	0.0189	0.0065	0.0066	0.0023	0.0099	0.0001	0.0882

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0019	0.0006	0.0021	0.0000	0.0046
10 mph	0.0009	0.0001	0.0004	0.0043	0.0042	0.0015	0.0035	0.0000	0.0150
15 mph	0.0109	0.0010	0.0051	0.0038	0.0040	0.0014	0.0028	0.0000	0.0291
20 mph	0.0003	0.0000	0.0001	0.0025	0.0025	0.0009	0.0053	0.0000	0.0116
25 mph	0.0042	0.0004	0.0020	0.0091	0.0111	0.0040	0.0188	0.0002	0.0496
30 mph	0.0025	0.0002	0.0012	0.0097	0.0093	0.0033	0.0145	0.0001	0.0408
35 mph	0.0261	0.0023	0.0122	0.0142	0.0105	0.0038	0.0104	0.0001	0.0795
40 mph	(0.0064)	(0.0006)	(0.0030)	0.0059	0.0074	0.0027	0.0097	0.0001	0.0157
45 mph	(0.0051)	(0.0004)	(0.0024)	0.0048	0.0060	0.0022	0.0073	0.0001	0.0123
50 mph	(0.0061)	(0.0005)	(0.0029)	0.0054	0.0068	0.0024	0.0062	0.0001	0.0114
55 mph	(0.0032)	(0.0003)	(0.0015)	0.0035	0.0043	0.0015	0.0022	0.0000	0.0066
60 mph	(0.0005)	(0.0000)	(0.0002)	0.0042	0.0044	0.0016	0.0999	0.0009	0.1103
65 mph	(0.0006)	(0.0001)	(0.0003)	0.0008	0.0010	0.0004	-	-	0.0012
70 mph	(0.0417)	(0.0037)	(0.0196)	0.0213	0.0311	0.0111	-	-	(0.0014)
total	(0.0188)	(0.0017)	(0.0089)	0.0894	0.1045	0.0374	0.1828	0.0017	0.3864

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0001	0.0013	0.0010	0.0100	0.0332	0.0455
15 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0026	0.0079	0.0112
20 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0005	0.0045	0.0130	0.0186
25 mph	0.0000	0.0000	0.0000	0.0002	0.0025	0.0021	0.0217	0.0619	0.0884
30 mph	0.0000	0.0000	0.0000	0.0001	0.0025	0.0021	0.0175	0.0497	0.0719
35 mph	0.0000	0.0000	0.0000	0.0001	0.0020	0.0017	0.0071	0.0207	0.0317
40 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0073	0.0210	0.0296
45 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0004	0.0056	0.0159	0.0224
50 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0005	0.0089	0.0248	0.0347
55 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0004	0.0021	0.0058	0.0088
60 mph	0.0000	0.0000	0.0000	0.0001	0.0009	0.0007	0.0022	0.0061	0.0101
65 mph	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	-	-	0.0002
70 mph	-	-	-	-	-	-	-	-	-
total	0.0002	0.0000	0.0001	0.0007	0.0124	0.0102	0.0896	0.2600	0.3732

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0005	0.0004	-	-	0.0010
15 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0003	0.0003	-	-	0.0006
20 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0003	0.0002	0.0105	0.0305	0.0415
25 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0005	0.0004	0.0162	0.0461	0.0633
30 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0009	0.0008	0.0247	0.0698	0.0962
35 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0021	0.0018	0.0223	0.0647	0.0908
40 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0023	0.0019	0.0188	0.0542	0.0772
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0018	0.0015	0.0130	0.0372	0.0535
50 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0021	0.0017	0.0064	0.0179	0.0281
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0012	0.0010	0.0033	0.0091	0.0146
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0007	0.0006	0.2402	0.6686	0.9102
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0003	0.0002	-	-	0.0005
70 mph	(0.0003)	(0.0000)	(0.0001)	0.0004	0.0118	0.0092	-	-	0.0211
total	(0.0006)	(0.0000)	(0.0002)	0.0008	0.0250	0.0200	0.3554	0.9980	1.3984

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0008	0.0009	0.0044	0.0078	0.0140
15 mph	0.0001	0.0000	0.0000	0.0000	0.0007	0.0006	0.0052	0.0156	0.0222
25 mph	-	-	-	-	0.0010	0.0008	0.0170	0.0484	0.0672
35 mph	0.0002	0.0000	0.0001	0.0001	-	-	-	-	0.0003
total	0.0003	0.0000	0.0001	0.0001	0.0025	0.0023	0.0266	0.0718	0.1037

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0008	0.0009	0.0044	0.0078	0.0140
10 mph	0.0000	0.0000	0.0000	0.0001	0.0018	0.0015	0.0100	0.0332	0.0465
15 mph	0.0001	0.0000	0.0000	0.0001	0.0014	0.0011	0.0078	0.0236	0.0341
20 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0007	0.0150	0.0435	0.0601
25 mph	0.0000	0.0000	0.0000	0.0002	0.0040	0.0033	0.0549	0.1564	0.2188
30 mph	0.0000	0.0000	0.0000	0.0002	0.0034	0.0028	0.0422	0.1195	0.1681
35 mph	0.0002	0.0000	0.0001	0.0003	0.0042	0.0035	0.0294	0.0854	0.1229
40 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0030	0.0024	0.0262	0.0752	0.1068
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0023	0.0019	0.0186	0.0531	0.0759
50 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0027	0.0022	0.0153	0.0426	0.0628
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0017	0.0014	0.0053	0.0150	0.0234
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0017	0.0013	0.2424	0.6747	0.9202
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0004	0.0003	-	-	0.0007
70 mph	(0.0003)	(0.0000)	(0.0001)	0.0004	0.0118	0.0092	-	-	0.0211
total	(0.0001)	(0.0000)	(0.0000)	0.0017	0.0399	0.0326	0.4716	1.3298	1.8753

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
15 mph									-	-
25 mph									-	-
35 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0027	0.0015	0.0066	0.0078	0.0186
10 mph	0.0009	0.0001	0.0004	0.0044	0.0060	0.0030	0.0135	0.0332	0.0615
15 mph	0.0110	0.0010	0.0052	0.0039	0.0054	0.0026	0.0107	0.0236	0.0632
20 mph	0.0003	0.0000	0.0001	0.0025	0.0033	0.0016	0.0203	0.0435	0.0717
25 mph	0.0042	0.0004	0.0020	0.0092	0.0151	0.0073	0.0738	0.1566	0.2684
30 mph	0.0025	0.0002	0.0012	0.0098	0.0127	0.0062	0.0567	0.1196	0.2089
35 mph	0.0262	0.0023	0.0123	0.0145	0.0146	0.0072	0.0397	0.0855	0.2024
40 mph	(0.0065)	(0.0006)	(0.0030)	0.0060	0.0104	0.0051	0.0358	0.0753	0.1225
45 mph	(0.0052)	(0.0005)	(0.0024)	0.0049	0.0084	0.0041	0.0258	0.0531	0.0882
50 mph	(0.0061)	(0.0005)	(0.0029)	0.0055	0.0095	0.0046	0.0215	0.0427	0.0742
55 mph	(0.0032)	(0.0003)	(0.0015)	0.0036	0.0060	0.0029	0.0076	0.0150	0.0300
60 mph	(0.0005)	(0.0000)	(0.0002)	0.0043	0.0061	0.0029	0.3423	0.6756	1.0305
65 mph	(0.0006)	(0.0001)	(0.0003)	0.0008	0.0014	0.0006	-	-	0.0019
70 mph	(0.0420)	(0.0037)	(0.0197)	0.0217	0.0430	0.0203	-	-	0.0196
STREX	0.0005	0.0000	0.0002	0.0011	0.0001	0.0000	0.0001	0.0000	0.0021
total	(0.0184)	(0.0016)	(0.0087)	0.0922	0.1445	0.0699	0.6544	1.3315	**2.2638**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0005	0.0006	0.0007	0.0009	0.0002	0.0002	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0005	0.0000	0.0002	0.0011	0.0001	0.0000	0.0001	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0005	0.0000	0.0002	0.0011	0.0001	0.0000	0.0001	0.0000

World Logistics Center
Mobile Emissions - 2022 (Net) - Unmitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0406	0.0369	0.0341	0.0496
10 mph	0.0061	0.0093	0.0065	0.0068	0.0052	0.0047	0.0044	0.0065
15 mph	0.0041	0.0063	0.0043	0.0045	0.0035	0.0032	0.0029	0.0044
20 mph	0.0029	0.0045	0.0031	0.0032	0.0025	0.0022	0.0021	0.0032
25 mph	0.0021	0.0033	0.0023	0.0024	0.0018	0.0016	0.0015	0.0025
30 mph	0.0017	0.0026	0.0018	0.0018	0.0014	0.0013	0.0012	0.0020
35 mph	0.0014	0.0021	0.0014	0.0015	0.0012	0.0010	0.0010	0.0017
40 mph	0.0012	0.0019	0.0012	0.0013	0.0010	0.0009	0.0008	0.0015
45 mph	0.0011	0.0017	0.0011	0.0012	0.0010	0.0008	0.0008	0.0014
50 mph	0.0010	0.0016	0.0011	0.0012	0.0009	0.0008	0.0008	0.0014
55 mph	0.0011	0.0017	0.0011	0.0012	0.0009	0.0008	0.0008	0.0014
60 mph	0.0011	0.0018	0.0012	0.0013	0.0010	0.0009	0.0008	0.0015
65 mph	0.0013	0.0020	0.0013	0.0013	0.0012	0.0010		
70 mph	0.0014	0.0022	0.0014	0.0015	0.0012	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.8018	0.8157	0.1769	0.0340
10 mph	0.0263	0.3799	0.0162	0.0126	0.0409	0.0436	0.1381	0.0590
15 mph	0.0202	0.2755	0.0128	0.0100	0.0306	0.0334	0.0965	0.0549
20 mph	0.0158	0.2104	0.0103	0.0081	0.0242	0.0267	0.0682	0.0642
25 mph	0.0125	0.1694	0.0085	0.0067	0.0200	0.0221	0.0565	0.0425
30 mph	0.0103	0.1429	0.0073	0.0058	0.0173	0.0190	0.0506	0.0386
35 mph	0.0088	0.1268	0.0065	0.0051	0.0156	0.0170	0.0474	0.0363
40 mph	0.0080	0.1163	0.0060	0.0047	0.0144	0.0156	0.0472	0.0370
45 mph	0.0076	0.1110	0.0056	0.0044	0.0137	0.0148	0.0494	0.0398
50 mph	0.0075	0.1113	0.0055	0.0043	0.0135	0.0145	0.0553	0.0459
55 mph	0.0075	0.1172	0.0054	0.0042	0.0136	0.0144	0.0635	0.0512
60 mph	0.0081	0.1274	0.0056	0.0043	0.0141	0.0149	0.0698	0.0603
65 mph	0.0085	0.1491	0.0059	0.0046	0.0162	0.0167		
70 mph	0.0078	0.1834	0.0078	0.0050	0.0225	0.0205		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0779
10 mph								0.0102
15 mph								0.0082
20 mph								0.0068
25 mph								0.0061
30 mph								0.0057
35 mph								0.0055
40 mph								0.0054
45 mph								0.0055
50 mph								0.0058
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0032	0.0004	0.0013	0.0030	0.0010	0.0003	0.0005	0.0000	0.0097
15 mph	0.0009	0.0001	0.0003	0.0008	0.0003	0.0001	0.0001	0.0000	0.0026
20 mph	0.0012	0.0001	0.0005	0.0011	0.0004	0.0001	0.0002	0.0000	0.0036
25 mph	0.0044	0.0005	0.0018	0.0042	0.0015	0.0004	0.0006	0.0000	0.0135
30 mph	0.0038	0.0005	0.0015	0.0036	0.0013	0.0003	0.0004	0.0000	0.0114
35 mph	0.0026	0.0003	0.0010	0.0024	0.0008	0.0002	0.0002	0.0000	0.0075
40 mph	0.0007	0.0001	0.0003	0.0007	0.0002	0.0001	0.0002	0.0000	0.0023
45 mph	0.0006	0.0001	0.0002	0.0005	0.0002	0.0001	0.0001	0.0000	0.0017
50 mph	0.0005	0.0001	0.0002	0.0005	0.0002	0.0000	0.0002	0.0000	0.0018
55 mph	0.0004	0.0001	0.0002	0.0004	0.0001	0.0000	0.0000	0.0000	0.0013
60 mph	0.0010	0.0001	0.0004	0.0009	0.0003	0.0001	0.0000	0.0000	0.0028
65 mph	0.0001	0.0000	0.0001	0.0001	0.0000	0.0000	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0195	0.0023	0.0077	0.0184	0.0064	0.0018	0.0025	0.0000	0.0586

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0021)	(0.0002)	(0.0008)	0.0007	0.0004	0.0001	-	-	(0.0018)
15 mph	(0.0014)	(0.0002)	(0.0005)	0.0005	0.0003	0.0001	-	-	(0.0012)
20 mph	(0.0010)	(0.0001)	(0.0004)	0.0004	0.0002	0.0001	0.0004	0.0000	(0.0005)
25 mph	(0.0014)	(0.0002)	(0.0006)	0.0005	0.0003	0.0001	0.0005	0.0000	(0.0008)
30 mph	(0.0022)	(0.0003)	(0.0009)	0.0008	0.0005	0.0001	0.0006	0.0000	(0.0013)
35 mph	(0.0041)	(0.0005)	(0.0016)	0.0015	0.0009	0.0002	0.0005	0.0000	(0.0031)
40 mph	(0.0040)	(0.0005)	(0.0016)	0.0014	0.0009	0.0002	0.0004	0.0000	(0.0031)
45 mph	(0.0029)	(0.0003)	(0.0012)	0.0011	0.0006	0.0002	0.0003	0.0000	(0.0023)
50 mph	(0.0032)	(0.0004)	(0.0013)	0.0011	0.0007	0.0002	0.0001	0.0000	(0.0026)
55 mph	(0.0018)	(0.0002)	(0.0007)	0.0006	0.0004	0.0001	0.0001	0.0000	(0.0015)
60 mph	(0.0012)	(0.0001)	(0.0005)	0.0004	0.0003	0.0001	0.0051	0.0001	0.0042
65 mph	(0.0004)	(0.0001)	(0.0002)	0.0001	0.0001	0.0000	-	-	(0.0004)
70 mph	(0.0213)	(0.0026)	(0.0084)	0.0074	0.0048	0.0012	-	-	(0.0189)
total	(0.0470)	(0.0056)	(0.0186)	0.0166	0.0103	0.0028	0.0079	0.0001	(0.0334)

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0013	0.0004	0.0005	0.0000	0.0022
15 mph	0.0114	0.0013	0.0045	0.0014	0.0006	0.0002	0.0002	0.0000	0.0196
25 mph	-	-	-	-	0.0006	0.0002	0.0005	0.0000	0.0012
35 mph	0.0162	0.0019	0.0064	0.0018	-	-	-	-	0.0264
total	0.0276	0.0032	0.0109	0.0032	0.0025	0.0007	0.0012	0.0000	0.0494

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0013	0.0004	0.0005	0.0000	0.0022
10 mph	0.0011	0.0001	0.0005	0.0038	0.0015	0.0004	0.0005	0.0000	0.0079
15 mph	0.0108	0.0013	0.0043	0.0027	0.0011	0.0003	0.0003	0.0000	0.0209
20 mph	0.0002	0.0000	0.0001	0.0015	0.0006	0.0002	0.0005	0.0000	0.0031
25 mph	0.0030	0.0004	0.0012	0.0048	0.0023	0.0007	0.0016	0.0000	0.0139
30 mph	0.0016	0.0002	0.0006	0.0044	0.0017	0.0005	0.0011	0.0000	0.0101
35 mph	0.0147	0.0017	0.0058	0.0057	0.0017	0.0005	0.0007	0.0000	0.0308
40 mph	(0.0032)	(0.0004)	(0.0013)	0.0021	0.0011	0.0003	0.0006	0.0000	(0.0008)
45 mph	(0.0023)	(0.0003)	(0.0009)	0.0016	0.0008	0.0002	0.0004	0.0000	(0.0005)
50 mph	(0.0026)	(0.0003)	(0.0010)	0.0017	0.0009	0.0002	0.0003	0.0000	(0.0009)
55 mph	(0.0013)	(0.0002)	(0.0005)	0.0011	0.0005	0.0001	0.0001	0.0000	(0.0002)
60 mph	(0.0002)	(0.0000)	(0.0001)	0.0013	0.0006	0.0002	0.0051	0.0001	0.0070
65 mph	(0.0003)	(0.0000)	(0.0001)	0.0003	0.0001	0.0000	-	-	(0.0000)
70 mph	(0.0213)	(0.0026)	(0.0084)	0.0074	0.0048	0.0012	-	-	(0.0189)
total	0.0001	(0.0001)	0.0001	0.0383	0.0192	0.0053	0.0117	0.0001	0.0746

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0001	0.0055	0.0043	0.0745	0.0609	0.1454
15 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0013	0.0174	0.0189	0.0393
20 mph	0.0001	0.0000	0.0000	0.0001	0.0026	0.0021	0.0245	0.0442	0.0735
25 mph	0.0002	0.0000	0.0000	0.0003	0.0107	0.0086	0.1117	0.1610	0.2926
30 mph	0.0002	0.0000	0.0000	0.0002	0.0101	0.0081	0.0909	0.1329	0.2426
35 mph	0.0001	0.0000	0.0000	0.0002	0.0075	0.0060	0.0384	0.0562	0.1084
40 mph	0.0000	0.0000	0.0000	0.0001	0.0023	0.0018	0.0424	0.0636	0.1103
45 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0014	0.0355	0.0548	0.0937
50 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0014	0.0647	0.1028	0.1707
55 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0011	0.0171	0.0264	0.0462
60 mph	0.0001	0.0000	0.0000	0.0001	0.0030	0.0023	0.0188	0.0311	0.0554
65 mph	0.0000	0.0000	0.0000	0.0000	0.0004	0.0003	-	-	0.0008
70 mph	-	-	-	-	-	-	-	-	-
total	0.0010	0.0001	0.0002	0.0011	0.0488	0.0388	0.5359	0.7528	1.3787

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0023	0.0018	-	-	0.0040
15 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0017	0.0014	-	-	0.0030
20 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0014	0.0011	0.0575	0.1034	0.1633
25 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0022	0.0018	0.0833	0.1200	0.2073
30 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0039	0.0031	0.1278	0.1868	0.3215
35 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0079	0.0063	0.1198	0.1755	0.3093
40 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0081	0.0064	0.1093	0.1640	0.2876
45 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0061	0.0048	0.0832	0.1285	0.2225
50 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0068	0.0053	0.0466	0.0741	0.1326
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0038	0.0030	0.0267	0.0412	0.0746
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0024	0.0018	2.0577	3.4039	5.4657
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0009	0.0007	-	-	0.0016
70 mph	(0.0011)	(0.0001)	(0.0003)	0.0005	0.0580	0.0387	-	-	0.0957
total	(0.0026)	(0.0002)	(0.0006)	0.0012	0.1054	0.0762	2.7118	4.3974	7.2887

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0179	0.0133	0.0128	0.0047	0.0487
15 mph	0.0005	0.0000	0.0001	0.0001	0.0034	0.0027	0.0341	0.0371	0.0781
25 mph	-	-	-	-	0.0043	0.0034	0.0874	0.1259	0.2210
35 mph	0.0009	0.0001	0.0002	0.0001	-	-	-	-	0.0013
total	0.0015	0.0001	0.0003	0.0002	0.0255	0.0194	0.1343	0.1677	0.3490

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0179	0.0133	0.0128	0.0047	0.0487
10 mph	0.0000	0.0000	0.0000	0.0001	0.0078	0.0060	0.0745	0.0609	0.1494
15 mph	0.0005	0.0000	0.0001	0.0001	0.0068	0.0054	0.0515	0.0560	0.1203
20 mph	0.0000	0.0000	0.0000	0.0001	0.0039	0.0032	0.0820	0.1476	0.2368
25 mph	0.0002	0.0000	0.0000	0.0003	0.0172	0.0138	0.2824	0.4069	0.7208
30 mph	0.0001	0.0000	0.0000	0.0003	0.0140	0.0113	0.2187	0.3197	0.5641
35 mph	0.0009	0.0001	0.0002	0.0004	0.0153	0.0122	0.1582	0.2317	0.4189
40 mph	(0.0002)	(0.0000)	(0.0000)	0.0002	0.0104	0.0082	0.1517	0.2276	0.3978
45 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0079	0.0063	0.1187	0.1833	0.3162
50 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0086	0.0067	0.1113	0.1768	0.3034
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0053	0.0041	0.0438	0.0676	0.1208
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0054	0.0042	2.0765	3.4350	5.5212
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0013	0.0010	-	-	0.0023
70 mph	(0.0011)	(0.0001)	(0.0003)	0.0005	0.0580	0.0387	-	-	0.0957
total	(0.0001)	(0.0001)	(0.0001)	0.0025	0.1798	0.1344	3.3820	5.3179	9.0164

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0005	0.0005
15 mph								0.0001	0.0001
20 mph								0.0002	0.0002
25 mph								0.0012	0.0012
30 mph								0.0010	0.0010
35 mph								0.0004	0.0004
40 mph								0.0005	0.0005
45 mph								0.0004	0.0004
50 mph								0.0006	0.0006
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0050	0.0050

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0006	0.0006
25 mph								0.0009	0.0009
30 mph								0.0014	0.0014
35 mph								0.0013	0.0013
40 mph								0.0012	0.0012
45 mph								0.0009	0.0009
50 mph								0.0005	0.0005
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0041	0.0041

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0005	0.0005
15 mph								0.0003	0.0003
25 mph								0.0009	0.0009
35 mph								-	-
total	-	-	-	-	-	-	-	0.0017	0.0017

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0005	0.0005
10 mph								0.0005	0.0005
15 mph								0.0004	0.0004
20 mph								0.0008	0.0008
25 mph								0.0029	0.0029
30 mph								0.0024	0.0024
35 mph								0.0018	0.0018
40 mph								0.0017	0.0017
45 mph								0.0013	0.0013
50 mph								0.0011	0.0011
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0134	0.0134

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0192	0.0136	0.0133	0.0053	0.0515
10 mph	0.0012	0.0001	0.0005	0.0039	0.0092	0.0065	0.0750	0.0614	0.1578
15 mph	0.0113	0.0013	0.0044	0.0028	0.0079	0.0057	0.0518	0.0564	0.1417
20 mph	0.0002	0.0000	0.0001	0.0016	0.0045	0.0033	0.0825	0.1484	0.2407
25 mph	0.0032	0.0004	0.0012	0.0050	0.0195	0.0145	0.2840	0.4099	0.7376
30 mph	0.0017	0.0002	0.0006	0.0047	0.0157	0.0117	0.2197	0.3221	0.5765
35 mph	0.0155	0.0018	0.0060	0.0061	0.0171	0.0127	0.1588	0.2335	0.4515
40 mph	(0.0034)	(0.0004)	(0.0013)	0.0023	0.0115	0.0085	0.1523	0.2293	0.3987
45 mph	(0.0025)	(0.0003)	(0.0010)	0.0017	0.0088	0.0065	0.1191	0.1846	0.3169
50 mph	(0.0028)	(0.0003)	(0.0011)	0.0018	0.0095	0.0070	0.1116	0.1779	0.3036
55 mph	(0.0014)	(0.0002)	(0.0005)	0.0011	0.0058	0.0042	0.0439	0.0676	0.1206
60 mph	(0.0002)	(0.0000)	(0.0001)	0.0014	0.0060	0.0043	2.0817	3.4351	5.5281
65 mph	(0.0003)	(0.0000)	(0.0001)	0.0003	0.0015	0.0010	-	-	0.0023
70 mph	(0.0224)	(0.0027)	(0.0087)	0.0079	0.0627	0.0400	-	-	0.0768
STREX	0.0017	0.0002	0.0007	0.0027	0.0002	0.0001	0.0001	0.0000	0.0056
total	0.0017	0.0001	0.0006	0.0435	0.1992	0.1397	3.3938	5.3315	**9.1101**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0019	0.0027	0.0019	0.0021	0.0005	0.0004	0.0005	0.0016
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0017	0.0002	0.0007	0.0027	0.0002	0.0001	0.0001	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0017	0.0002	0.0007	0.0027	0.0002	0.0001	0.0001	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.4684	0.0353	0.1750	0.4004	0.3335	0.1198	0.2647	0.0011
Diesel	0.0042	0.0000	0.0011	0.0085	0.2360	0.1972	1.2795	1.6555
Electric/NG	0.0092	0.0003	0.0018	0.0030	-	-	-	0.0849
Total	0.4818	0.0355	0.1779	0.4119	0.5695	0.3170	1.5442	1.7415

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	(1.5123)	(0.1139)	(0.5651)	0.4924	0.7008	0.2518	1.2401	0.0052
Diesel	(0.0136)	(0.0001)	(0.0036)	0.0104	0.4959	0.4143	5.9944	7.7560
Electric/NG	(0.0296)	(0.0008)	(0.0057)	0.0036	-	-	-	0.3976
Total	(1.5555)	(0.1148)	(0.5743)	0.5064	1.1967	0.6661	7.2345	8.1588

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.6592	0.0496	0.2463	0.0683	0.0405	0.0146	0.0559	0.0002
Diesel	0.0059	0.0000	0.0016	0.0014	0.0287	0.0239	0.2704	0.3499
Electric/NG	0.0129	0.0004	0.0025	0.0005	-	-	-	0.0179
Total	0.6780	0.0500	0.2503	0.0703	0.0692	0.0385	0.3264	0.3681

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	(0.3847)	(0.0290)	(0.1437)	0.9611	1.0747	0.3862	1.5608	0.0065	3.4319
Diesel	(0.0035)	(0.0000)	(0.0009)	0.0204	0.7606	0.6354	7.5443	9.7614	18.7177
Electric/NG	(0.0075)	(0.0002)	(0.0014)	0.0071	-	-	-	0.5004	0.4983
Total	(0.3957)	(0.0292)	(0.1461)	0.9886	1.8353	1.0216	9.1051	10.2683	**22.6480**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	13.0058
Internal	21.3857
Total	**34.3915**

World Logistics Center
Mobile Emissions - 2022 (Net) - Unmitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0374	0.0340	0.0313	0.0459
10 mph	0.0057	0.0085	0.0060	0.0062	0.0048	0.0043	0.0041	0.0061
15 mph	0.0038	0.0058	0.0040	0.0042	0.0032	0.0029	0.0027	0.0041
20 mph	0.0026	0.0041	0.0028	0.0029	0.0023	0.0020	0.0019	0.0029
25 mph	0.0020	0.0031	0.0021	0.0022	0.0017	0.0015	0.0014	0.0023
30 mph	0.0015	0.0024	0.0016	0.0017	0.0013	0.0012	0.0011	0.0018
35 mph	0.0012	0.0020	0.0013	0.0014	0.0011	0.0010	0.0009	0.0016
40 mph	0.0011	0.0017	0.0011	0.0012	0.0010	0.0008	0.0008	0.0014
45 mph	0.0010	0.0016	0.0011	0.0011	0.0009	0.0008	0.0007	0.0013
50 mph	0.0010	0.0015	0.0010	0.0011	0.0009	0.0007	0.0007	0.0013
55 mph	0.0010	0.0015	0.0010	0.0011	0.0009	0.0008	0.0007	0.0013
60 mph	0.0010	0.0016	0.0011	0.0012	0.0009	0.0008	0.0008	0.0014
65 mph	0.0012	0.0018	0.0012	0.0013	0.0011	0.0009		
70 mph	0.0013	0.0020	0.0013	0.0013	0.0011	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7672	0.7804	0.1693	0.0325
10 mph	0.0251	0.3634	0.0155	0.0121	0.0392	0.0417	0.1322	0.0564
15 mph	0.0193	0.2636	0.0123	0.0096	0.0293	0.0320	0.0923	0.0525
20 mph	0.0151	0.2013	0.0099	0.0078	0.0232	0.0256	0.0653	0.0614
25 mph	0.0119	0.1621	0.0081	0.0064	0.0192	0.0211	0.0541	0.0407
30 mph	0.0099	0.1367	0.0070	0.0055	0.0165	0.0182	0.0484	0.0369
35 mph	0.0084	0.1213	0.0062	0.0049	0.0149	0.0163	0.0454	0.0347
40 mph	0.0077	0.1113	0.0057	0.0045	0.0138	0.0150	0.0452	0.0354
45 mph	0.0073	0.1062	0.0054	0.0042	0.0131	0.0141	0.0472	0.0381
50 mph	0.0071	0.1065	0.0052	0.0041	0.0129	0.0138	0.0529	0.0439
55 mph	0.0072	0.1121	0.0052	0.0040	0.0130	0.0138	0.0607	0.0489
60 mph	0.0077	0.1219	0.0053	0.0041	0.0135	0.0143	0.0668	0.0577
65 mph	0.0081	0.1427	0.0057	0.0044	0.0155	0.0160		
70 mph	0.0075	0.1755	0.0074	0.0048	0.0215	0.0197		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0745
10 mph								0.0098
15 mph								0.0079
20 mph								0.0065
25 mph								0.0058
30 mph								0.0054
35 mph								0.0052
40 mph								0.0052
45 mph								0.0053
50 mph								0.0055
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0030	0.0003	0.0012	0.0028	0.0010	0.0003	0.0005	0.0000	0.0089
15 mph	0.0008	0.0001	0.0003	0.0007	0.0003	0.0001	0.0001	0.0000	0.0024
20 mph	0.0011	0.0001	0.0004	0.0011	0.0004	0.0001	0.0001	0.0000	0.0033
25 mph	0.0041	0.0005	0.0016	0.0039	0.0013	0.0004	0.0006	0.0000	0.0124
30 mph	0.0035	0.0004	0.0014	0.0033	0.0012	0.0003	0.0004	0.0000	0.0105
35 mph	0.0024	0.0003	0.0009	0.0022	0.0008	0.0002	0.0001	0.0000	0.0069
40 mph	0.0007	0.0001	0.0003	0.0006	0.0002	0.0001	0.0001	0.0000	0.0021
45 mph	0.0005	0.0001	0.0002	0.0005	0.0002	0.0000	0.0001	0.0000	0.0016
50 mph	0.0005	0.0001	0.0002	0.0005	0.0002	0.0000	0.0002	0.0000	0.0016
55 mph	0.0004	0.0000	0.0002	0.0004	0.0001	0.0000	0.0000	0.0000	0.0012
60 mph	0.0009	0.0001	0.0003	0.0008	0.0003	0.0001	0.0000	0.0000	0.0026
65 mph	0.0001	0.0000	0.0000	0.0001	0.0000	0.0000	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0179	0.0021	0.0071	0.0170	0.0059	0.0016	0.0023	0.0000	0.0539

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0019)	(0.0002)	(0.0008)	0.0007	0.0004	0.0001	-	-	(0.0017)
15 mph	(0.0013)	(0.0001)	(0.0005)	0.0005	0.0003	0.0001	-	-	(0.0011)
20 mph	(0.0009)	(0.0001)	(0.0004)	0.0003	0.0002	0.0001	0.0003	0.0000	(0.0004)
25 mph	(0.0013)	(0.0002)	(0.0005)	0.0005	0.0003	0.0001	0.0004	0.0000	(0.0007)
30 mph	(0.0021)	(0.0002)	(0.0008)	0.0007	0.0004	0.0001	0.0006	0.0000	(0.0012)
35 mph	(0.0038)	(0.0005)	(0.0015)	0.0014	0.0008	0.0002	0.0005	0.0000	(0.0029)
40 mph	(0.0037)	(0.0004)	(0.0015)	0.0013	0.0008	0.0002	0.0004	0.0000	(0.0028)
45 mph	(0.0027)	(0.0003)	(0.0011)	0.0010	0.0006	0.0002	0.0002	0.0000	(0.0021)
50 mph	(0.0029)	(0.0003)	(0.0012)	0.0011	0.0006	0.0002	0.0001	0.0000	(0.0024)
55 mph	(0.0016)	(0.0002)	(0.0007)	0.0006	0.0004	0.0001	0.0001	0.0000	(0.0014)
60 mph	(0.0011)	(0.0001)	(0.0004)	0.0004	0.0002	0.0001	0.0047	0.0001	0.0038
65 mph	(0.0004)	(0.0000)	(0.0002)	0.0001	0.0001	0.0000	-	-	(0.0003)
70 mph	(0.0196)	(0.0024)	(0.0077)	0.0068	0.0044	0.0011	-	-	(0.0174)
total	(0.0432)	(0.0051)	(0.0171)	0.0153	0.0095	0.0025	0.0073	0.0001	(0.0307)

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0012	0.0003	0.0005	0.0000	0.0021
15 mph	0.0105	0.0012	0.0041	0.0013	0.0005	0.0002	0.0002	0.0000	0.0180
25 mph	-	-	-	-	0.0005	0.0001	0.0004	0.0000	0.0011
35 mph	0.0149	0.0018	0.0059	0.0017	-	-	-	-	0.0243
total	0.0254	0.0030	0.0101	0.0030	0.0023	0.0006	0.0011	0.0000	0.0455

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0012	0.0003	0.0005	0.0000	0.0021
10 mph	0.0010	0.0001	0.0004	0.0035	0.0014	0.0004	0.0005	0.0000	0.0072
15 mph	0.0100	0.0011	0.0040	0.0025	0.0011	0.0003	0.0003	0.0000	0.0192
20 mph	0.0002	0.0000	0.0001	0.0014	0.0005	0.0002	0.0005	0.0000	0.0029
25 mph	0.0028	0.0003	0.0011	0.0044	0.0021	0.0006	0.0015	0.0000	0.0128
30 mph	0.0014	0.0002	0.0006	0.0041	0.0016	0.0004	0.0010	0.0000	0.0093
35 mph	0.0135	0.0016	0.0053	0.0053	0.0016	0.0004	0.0006	0.0000	0.0284
40 mph	(0.0030)	(0.0004)	(0.0012)	0.0020	0.0010	0.0003	0.0005	0.0000	(0.0007)
45 mph	(0.0022)	(0.0003)	(0.0009)	0.0015	0.0008	0.0002	0.0004	0.0000	(0.0005)
50 mph	(0.0024)	(0.0003)	(0.0010)	0.0015	0.0008	0.0002	0.0003	0.0000	(0.0008)
55 mph	(0.0012)	(0.0001)	(0.0005)	0.0010	0.0005	0.0001	0.0001	0.0000	(0.0002)
60 mph	(0.0002)	(0.0000)	(0.0001)	0.0012	0.0005	0.0001	0.0047	0.0001	0.0064
65 mph	(0.0003)	(0.0000)	(0.0001)	0.0003	0.0001	0.0000	-	-	0.0000
70 mph	(0.0196)	(0.0024)	(0.0077)	0.0068	0.0044	0.0011	-	-	(0.0174)
total	0.0001	(0.0001)	0.0001	0.0353	0.0176	0.0048	0.0107	0.0001	0.0687

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0001	0.0052	0.0041	0.0713	0.0582	0.1391
15 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0012	0.0166	0.0181	0.0376
20 mph	0.0001	0.0000	0.0000	0.0001	0.0025	0.0020	0.0235	0.0422	0.0703
25 mph	0.0002	0.0000	0.0000	0.0002	0.0102	0.0082	0.1069	0.1540	0.2799
30 mph	0.0002	0.0000	0.0000	0.0002	0.0097	0.0078	0.0870	0.1272	0.2321
35 mph	0.0001	0.0000	0.0000	0.0002	0.0072	0.0057	0.0367	0.0538	0.1037
40 mph	0.0000	0.0000	0.0000	0.0001	0.0022	0.0017	0.0406	0.0609	0.1055
45 mph	0.0000	0.0000	0.0000	0.0000	0.0017	0.0014	0.0340	0.0525	0.0896
50 mph	0.0000	0.0000	0.0000	0.0000	0.0017	0.0013	0.0619	0.0983	0.1633
55 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0011	0.0164	0.0253	0.0442
60 mph	0.0001	0.0000	0.0000	0.0001	0.0029	0.0022	0.0180	0.0298	0.0530
65 mph	0.0000	0.0000	0.0000	0.0000	0.0004	0.0003	-	-	0.0007
70 mph	-	-	-	-	-	-	-	-	-
total	0.0010	0.0001	0.0002	0.0011	0.0467	0.0371	0.5127	0.7202	1.3191

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0022	0.0017	-	-	0.0038
15 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0016	0.0013	-	-	0.0029
20 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0013	0.0010	0.0550	0.0990	0.1562
25 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0022	0.0017	0.0797	0.1148	0.1983
30 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0037	0.0030	0.1222	0.1787	0.3075
35 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0075	0.0060	0.1146	0.1679	0.2959
40 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0077	0.0061	0.1046	0.1569	0.2751
45 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0059	0.0046	0.0796	0.1229	0.2128
50 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0065	0.0051	0.0446	0.0709	0.1269
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0036	0.0028	0.0256	0.0395	0.0714
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0023	0.0018	1.9687	3.2566	5.2293
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0009	0.0007	-	-	0.0015
70 mph	(0.0010)	(0.0001)	(0.0003)	0.0005	0.0555	0.0370	-	-	0.0916
total	(0.0025)	(0.0002)	(0.0005)	0.0011	0.1009	0.0729	2.5945	4.2072	6.9734

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0171	0.0127	0.0123	0.0045	0.0466
15 mph	0.0005	0.0000	0.0001	0.0001	0.0033	0.0026	0.0326	0.0355	0.0747
25 mph	-	-	-	-	0.0041	0.0033	0.0836	0.1205	0.2114
35 mph	0.0009	0.0001	0.0002	0.0001	-	-	-	-	0.0013
total	0.0014	0.0001	0.0003	0.0002	0.0244	0.0186	0.1285	0.1605	0.3339

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0171	0.0127	0.0123	0.0045	0.0466
10 mph	0.0000	0.0000	0.0000	0.0001	0.0074	0.0058	0.0713	0.0582	0.1429
15 mph	0.0005	0.0000	0.0001	0.0001	0.0065	0.0052	0.0492	0.0536	0.1151
20 mph	0.0000	0.0000	0.0000	0.0001	0.0038	0.0030	0.0784	0.1412	0.2266
25 mph	0.0002	0.0000	0.0000	0.0003	0.0165	0.0132	0.2702	0.3893	0.6896
30 mph	0.0001	0.0000	0.0000	0.0003	0.0134	0.0108	0.2092	0.3059	0.5397
35 mph	0.0008	0.0001	0.0002	0.0004	0.0147	0.0117	0.1513	0.2217	0.4008
40 mph	(0.0002)	(0.0000)	(0.0000)	0.0002	0.0099	0.0079	0.1452	0.2177	0.3806
45 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0076	0.0060	0.1135	0.1754	0.3025
50 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0083	0.0064	0.1065	0.1692	0.2902
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0050	0.0039	0.0419	0.0647	0.1156
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0052	0.0040	1.9867	3.2864	5.2823
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0013	0.0010	-	-	0.0022
70 mph	(0.0010)	(0.0001)	(0.0003)	0.0005	0.0555	0.0370	-	-	0.0916
total	(0.0001)	(0.0001)	(0.0001)	0.0024	0.1720	0.1286	3.2357	5.0879	8.6263

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0005	0.0005
15 mph								0.0001	0.0001
20 mph								0.0002	0.0002
25 mph								0.0011	0.0011
30 mph								0.0009	0.0009
35 mph								0.0004	0.0004
40 mph								0.0004	0.0004
45 mph								0.0004	0.0004
50 mph								0.0006	0.0006
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0048	0.0048

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0005	0.0005
25 mph								0.0008	0.0008
30 mph								0.0013	0.0013
35 mph								0.0013	0.0013
40 mph								0.0012	0.0012
45 mph								0.0009	0.0009
50 mph								0.0004	0.0004
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0040	0.0040

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0005	0.0005
15 mph								0.0003	0.0003
25 mph								0.0009	0.0009
35 mph								-	-
total	-	-	-	-	-	-	-	0.0017	0.0017

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0005	0.0005
10 mph								0.0005	0.0005
15 mph								0.0004	0.0004
20 mph								0.0008	0.0008
25 mph								0.0028	0.0028
30 mph								0.0023	0.0023
35 mph								0.0017	0.0017
40 mph								0.0016	0.0016
45 mph								0.0012	0.0012
50 mph								0.0011	0.0011
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0129	0.0129

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0183	0.0130	0.0127	0.0050	0.0491
10 mph	0.0011	0.0001	0.0004	0.0036	0.0088	0.0062	0.0717	0.0588	0.1507
15 mph	0.0104	0.0012	0.0040	0.0026	0.0075	0.0055	0.0495	0.0540	0.1348
20 mph	0.0002	0.0000	0.0001	0.0015	0.0043	0.0032	0.0789	0.1420	0.2302
25 mph	0.0029	0.0003	0.0011	0.0046	0.0186	0.0138	0.2716	0.3921	0.7052
30 mph	0.0015	0.0002	0.0006	0.0044	0.0150	0.0112	0.2102	0.3082	0.5512
35 mph	0.0143	0.0017	0.0055	0.0057	0.0163	0.0121	0.1519	0.2234	0.4308
40 mph	(0.0032)	(0.0004)	(0.0012)	0.0021	0.0109	0.0082	0.1457	0.2194	0.3815
45 mph	(0.0023)	(0.0003)	(0.0009)	0.0016	0.0084	0.0062	0.1139	0.1766	0.3032
50 mph	(0.0026)	(0.0003)	(0.0010)	0.0017	0.0091	0.0067	0.1067	0.1702	0.2905
55 mph	(0.0013)	(0.0002)	(0.0005)	0.0011	0.0055	0.0040	0.0420	0.0647	0.1154
60 mph	(0.0002)	(0.0000)	(0.0001)	0.0013	0.0057	0.0041	1.9914	3.2865	5.2887
65 mph	(0.0003)	(0.0000)	(0.0001)	0.0003	0.0014	0.0010	-	-	0.0023
70 mph	(0.0207)	(0.0025)	(0.0080)	0.0073	0.0599	0.0382	-	-	0.0742
STREX	0.0016	0.0002	0.0006	0.0025	0.0002	0.0000	0.0001	0.0000	0.0052
total	0.0016	0.0001	0.0006	0.0401	0.1898	0.1335	3.2466	5.1009	**8.7131**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0017	0.0025	0.0017	0.0019	0.0004	0.0003	0.0004	0.0015
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0016	0.0002	0.0006	0.0025	0.0002	0.0000	0.0001	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0016	0.0002	0.0006	0.0025	0.0002	0.0000	0.0001	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1858	0.0140	0.0694	0.1588	0.1373	0.0496	0.1095	0.0004
Diesel	0.0017	0.0000	0.0004	0.0034	0.0954	0.0803	0.5291	0.6006
Electric/NG	0.0036	0.0001	0.0007	0.0012	-	-	-	0.0308
Total	0.1911	0.0141	0.0706	0.1634	0.2327	0.1299	0.6385	0.6318

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	(0.5998)	(0.0452)	(0.2241)	0.1953	0.2885	0.1042	0.5128	0.0020
Diesel	(0.0054)	(0.0000)	(0.0014)	0.0041	0.2005	0.1688	2.4788	2.8139
Electric/NG	(0.0117)	(0.0003)	(0.0023)	0.0014	-	-	-	0.1442
Total	(0.6170)	(0.0455)	(0.2278)	0.2009	0.4890	0.2730	2.9916	2.9601

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2615	0.0197	0.0977	0.0271	0.0167	0.0060	0.0231	0.0001
Diesel	0.0024	0.0000	0.0006	0.0006	0.0116	0.0098	0.1118	0.1269
Electric/NG	0.0051	0.0001	0.0010	0.0002	-	-	-	0.0065
Total	0.2689	0.0198	0.0993	0.0279	0.0283	0.0158	0.1350	0.1335

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	(0.1526)	(0.0115)	(0.0570)	0.3812	0.4424	0.1598	0.6454	0.0025	1.4103
Diesel	(0.0014)	(0.0000)	(0.0004)	0.0081	0.3075	0.2589	3.1197	3.5414	7.2339
Electric/NG	(0.0030)	(0.0001)	(0.0006)	0.0028	-	-	-	0.1815	0.1807
Total	(0.1569)	(0.0116)	(0.0579)	0.3921	0.7500	0.4187	3.7651	3.7255	**8.8249**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	3.1923
Internal	5.2492
Total	**8.4416**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0141	0.0100	0.0098	0.0039	0.0378
10 mph	0.0007	0.0001	0.0003	0.0023	0.0068	0.0047	0.0552	0.0452	0.1153
15 mph	0.0067	0.0008	0.0026	0.0017	0.0058	0.0042	0.0381	0.0416	0.1014
20 mph	0.0001	0.0000	0.0001	0.0009	0.0033	0.0025	0.0608	0.1093	0.1770
25 mph	0.0019	0.0002	0.0007	0.0030	0.0143	0.0106	0.2091	0.3019	0.5418
30 mph	0.0010	0.0001	0.0004	0.0028	0.0115	0.0086	0.1618	0.2373	0.4236
35 mph	0.0092	0.0011	0.0035	0.0036	0.0125	0.0093	0.1170	0.1720	0.3282
40 mph	(0.0020)	(0.0002)	(0.0008)	0.0014	0.0084	0.0063	0.1122	0.1689	0.2941
45 mph	(0.0015)	(0.0002)	(0.0006)	0.0010	0.0064	0.0048	0.0877	0.1360	0.2337
50 mph	(0.0016)	(0.0002)	(0.0006)	0.0011	0.0070	0.0051	0.0822	0.1311	0.2240
55 mph	(0.0008)	(0.0001)	(0.0003)	0.0007	0.0043	0.0031	0.0324	0.0498	0.0890
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0008	0.0044	0.0032	1.5334	2.5306	4.0722
65 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0011	0.0008	-	-	0.0018
70 mph	(0.0132)	(0.0016)	(0.0051)	0.0047	0.0461	0.0294	-	-	0.0602
total	(0.0000)	(0.0001)	(0.0000)	0.0241	0.1460	0.1027	2.4998	3.9277	6.7002

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2022 (Net) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	650	2.40	0.32	0.0005	0.30	0.0019	1.24
2	L	914	2.40	0.32	0.0005	0.43	0.0019	1.74
3	L	867	2.40	0.32	0.0005	0.41	0.0019	1.65
5	L	1,401	2.40	0.32	0.0005	0.66	0.0019	2.67
6	L	2,809	2.40	0.32	0.0005	1.31	0.0019	5.35
8	L	2,094	2.40	0.32	0.0005	0.98	0.0019	3.99
11	L	(422)	2.40	0.32	0.0005	(0.20)	0.0019	(0.80)
12	L	(643)	2.40	0.32	0.0005	(0.30)	0.0019	(1.23)
14	L	(345)	2.40	0.32	0.0005	(0.16)	0.0019	(0.66)
18	L	364	2.40	0.32	0.0005	0.17	0.0019	0.69
19	L	1,734	2.40	0.32	0.0005	0.81	0.0019	3.30
21	L	891	2.40	0.32	0.0005	0.42	0.0019	1.70
24	L	2,004	2.40	0.32	0.0005	0.94	0.0019	3.82
30	L	(1,969)	2.40	0.32	0.0005	(0.92)	0.0019	(3.75)
29	L	942	2.40	0.32	0.0005	0.44	0.0019	1.80
31	L	(68)	2.40	0.32	0.0005	(0.03)	0.0019	(0.13)
TOTAL						5.25		21.39

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2022 (Net) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	28,788	2.40	0.032	0.0001	1.66	0.0002	6.75
Freeway	F	53,209	2.40	0.015	0.0000	1.54	0.0001	6.26
TOTAL		81,997				3.19		13.01

World Logistics Center
Mobile Emissions - 2022 (Net) - Unmitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0076	0.0150	0.0118	0.0143	0.0186	0.0207	0.0378	0.2340
15 mph	0.0067	0.0129	0.0103	0.0125	0.0165	0.0183	0.0332	0.2082
20 mph	0.0060	0.0114	0.0092	0.0112	0.0151	0.0166	0.0299	0.1897
25 mph	0.0054	0.0103	0.0083	0.0101	0.0139	0.0152	0.0269	0.1774
30 mph	0.0050	0.0096	0.0076	0.0094	0.0131	0.0141	0.0246	0.1681
35 mph	0.0047	0.0090	0.0072	0.0088	0.0125	0.0134	0.0228	0.1621
40 mph	0.0045	0.0087	0.0068	0.0084	0.0121	0.0128	0.0220	0.1570
45 mph	0.0044	0.0085	0.0066	0.0082	0.0119	0.0124	0.0210	0.1548
50 mph	0.0043	0.0085	0.0066	0.0082	0.0119	0.0124	0.0212	0.1545
55 mph	0.0044	0.0088	0.0067	0.0083	0.0121	0.0125	0.0210	0.1580
60 mph	0.0046	0.0093	0.0071	0.0088	0.0127	0.0131	0.0224	0.1623
65 mph	0.0048	0.0100	0.0074	0.0092	0.0133	0.0137	0.0237	0.1679
70 mph	0.0050	0.0116	0.0078	0.0097	0.0147	0.0137	0.0263	0.1771

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0668	0.1407	0.0906	0.1130	0.1563	0.1748	0.3080	0.5346
15 mph	0.0550	0.1169	0.0752	0.0957	0.1018	0.1161	0.2448	0.3843
20 mph	0.0451	0.0960	0.0618	0.0795	0.0868	0.0990	0.2082	0.3143
25 mph	0.0378	0.0803	0.0518	0.0674	0.0771	0.0883	0.1828	0.2719
30 mph	0.0327	0.0691	0.0448	0.0583	0.0700	0.0797	0.1624	0.2401
35 mph	0.0296	0.0620	0.0404	0.0530	0.0702	0.0799	0.1466	0.2224
40 mph	0.0277	0.0578	0.0377	0.0496	0.0683	0.0770	0.1353	0.2032
45 mph	0.0268	0.0558	0.0364	0.0477	0.0667	0.0741	0.1285	0.1919
50 mph	0.0268	0.0558	0.0364	0.0480	0.0700	0.0769	0.1264	0.1843
55 mph	0.0281	0.0583	0.0381	0.0507	0.0731	0.0796	0.1287	0.1885
60 mph	0.0304	0.0633	0.0412	0.0549	0.0737	0.0797	0.1356	0.1971
65 mph	0.0342	0.0705	0.0463	0.0618	0.0749	0.0802	0.1467	0.2113
70 mph	0.0372	0.0737	0.0496	0.0674	0.0762	0.0815	0.1476	0.2132

*US EPA Emission Factors for Greenhouse Gas Inventories.
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.9914
15 mph								0.8319
20 mph								0.7253
25 mph								0.6671
30 mph								0.6297
35 mph								0.6002
40 mph								0.5760
45 mph								0.5558
50 mph								0.5386
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0040	0.0006	0.0023	0.0064	0.0037	0.0013	0.0042	0.0002	0.0226
15 mph	0.0014	0.0002	0.0008	0.0022	0.0013	0.0005	0.0012	0.0001	0.0077
20 mph	0.0025	0.0004	0.0014	0.0040	0.0024	0.0008	0.0022	0.0001	0.0138
25 mph	0.0114	0.0016	0.0065	0.0181	0.0110	0.0037	0.0110	0.0005	0.0639
30 mph	0.0116	0.0017	0.0066	0.0184	0.0114	0.0038	0.0091	0.0005	0.0631
35 mph	0.0089	0.0013	0.0050	0.0142	0.0089	0.0030	0.0038	0.0002	0.0454
40 mph	0.0028	0.0004	0.0016	0.0045	0.0029	0.0009	0.0041	0.0002	0.0175
45 mph	0.0023	0.0003	0.0013	0.0037	0.0023	0.0008	0.0031	0.0002	0.0140
50 mph	0.0023	0.0003	0.0013	0.0037	0.0024	0.0008	0.0051	0.0003	0.0161
55 mph	0.0018	0.0003	0.0011	0.0030	0.0019	0.0006	0.0012	0.0001	0.0099
60 mph	0.0038	0.0006	0.0022	0.0063	0.0040	0.0013	0.0013	0.0001	0.0196
65 mph	0.0005	0.0001	0.0003	0.0008	0.0005	0.0002	-	-	0.0024
70 mph	-	-	-	-	-	-	-	-	-
total	0.0534	0.0078	0.0304	0.0854	0.0527	0.0176	0.0464	0.0023	0.2960

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0026)	(0.0004)	(0.0015)	0.0016	0.0015	0.0005	-	-	(0.0008)
15 mph	(0.0023)	(0.0003)	(0.0013)	0.0014	0.0014	0.0005	-	-	(0.0007)
20 mph	(0.0020)	(0.0003)	(0.0012)	0.0012	0.0012	0.0004	0.0052	0.0002	0.0049
25 mph	(0.0037)	(0.0005)	(0.0021)	0.0022	0.0023	0.0008	0.0082	0.0004	0.0076
30 mph	(0.0068)	(0.0010)	(0.0039)	0.0041	0.0043	0.0015	0.0128	0.0006	0.0118
35 mph	(0.0144)	(0.0021)	(0.0081)	0.0087	0.0094	0.0031	0.0119	0.0006	0.0091
40 mph	(0.0153)	(0.0022)	(0.0086)	0.0093	0.0101	0.0033	0.0105	0.0005	0.0076
45 mph	(0.0119)	(0.0017)	(0.0067)	0.0072	0.0079	0.0026	0.0073	0.0004	0.0051
50 mph	(0.0132)	(0.0020)	(0.0075)	0.0081	0.0089	0.0029	0.0037	0.0002	0.0011
55 mph	(0.0074)	(0.0011)	(0.0042)	0.0046	0.0050	0.0016	0.0018	0.0001	0.0004
60 mph	(0.0047)	(0.0007)	(0.0027)	0.0029	0.0032	0.0010	0.1367	0.0072	0.1429
65 mph	(0.0016)	(0.0003)	(0.0009)	0.0010	0.0011	0.0004	-	-	(0.0003)
70 mph	(0.0770)	(0.0136)	(0.0451)	0.0493	0.0561	0.0163	-	-	(0.0140)
total	(0.1629)	(0.0261)	(0.0938)	0.1017	0.1125	0.0349	0.1983	0.0103	0.1748

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0001	0.0002	0.0000	0.0008
15 mph	0.0185	0.0027	0.0107	0.0039	0.0027	0.0009	0.0024	0.0001	0.0420
25 mph	-	-	-	-	0.0044	0.0015	0.0086	0.0004	0.0149
35 mph	0.0568	0.0081	0.0320	0.0107	-	-	-	-	0.1076
total	0.0753	0.0108	0.0426	0.0146	0.0075	0.0026	0.0112	0.0005	0.1652

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0001	0.0002	0.0000	0.0008
10 mph	0.0014	0.0002	0.0008	0.0080	0.0052	0.0018	0.0042	0.0002	0.0219
15 mph	0.0177	0.0026	0.0102	0.0075	0.0054	0.0019	0.0037	0.0002	0.0490
20 mph	0.0005	0.0001	0.0003	0.0052	0.0036	0.0012	0.0074	0.0003	0.0187
25 mph	0.0077	0.0011	0.0044	0.0204	0.0177	0.0060	0.0278	0.0013	0.0864
30 mph	0.0048	0.0007	0.0027	0.0226	0.0157	0.0053	0.0220	0.0011	0.0748
35 mph	0.0513	0.0074	0.0289	0.0337	0.0183	0.0061	0.0157	0.0008	0.1621
40 mph	(0.0125)	(0.0018)	(0.0070)	0.0138	0.0130	0.0043	0.0146	0.0008	0.0251
45 mph	(0.0096)	(0.0014)	(0.0054)	0.0109	0.0102	0.0033	0.0104	0.0006	0.0191
50 mph	(0.0109)	(0.0016)	(0.0062)	0.0118	0.0113	0.0036	0.0088	0.0005	0.0172
55 mph	(0.0056)	(0.0008)	(0.0032)	0.0076	0.0069	0.0022	0.0030	0.0002	0.0103
60 mph	(0.0008)	(0.0001)	(0.0005)	0.0092	0.0072	0.0023	0.1380	0.0072	0.1625
65 mph	(0.0011)	(0.0002)	(0.0006)	0.0018	0.0016	0.0005	-	-	0.0021
70 mph	(0.0770)	(0.0136)	(0.0451)	0.0493	0.0561	0.0163	-	-	(0.0140)
total	(0.0342)	(0.0075)	(0.0208)	0.2017	0.1727	0.0551	0.2559	0.0131	0.6359

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0003	0.0000	0.0001	0.0011	0.0209	0.0170	0.1661	0.5520	0.7575
15 mph	0.0001	0.0000	0.0000	0.0004	0.0054	0.0045	0.0440	0.1323	0.1867
20 mph	0.0002	0.0000	0.0001	0.0006	0.0093	0.0077	0.0749	0.2163	0.3090
25 mph	0.0007	0.0000	0.0003	0.0026	0.0411	0.0344	0.3615	1.0295	1.4700
30 mph	0.0007	0.0000	0.0002	0.0024	0.0411	0.0342	0.2919	0.8263	1.1969
35 mph	0.0005	0.0000	0.0002	0.0018	0.0337	0.0280	0.1186	0.3444	0.5272
40 mph	0.0002	0.0000	0.0001	0.0006	0.0109	0.0090	0.1217	0.3497	0.4921
45 mph	0.0001	0.0000	0.0000	0.0005	0.0089	0.0072	0.0924	0.2642	0.3734
50 mph	0.0001	0.0000	0.0000	0.0005	0.0093	0.0075	0.1477	0.4123	0.5775
55 mph	0.0001	0.0000	0.0000	0.0004	0.0078	0.0062	0.0347	0.0973	0.1465
60 mph	0.0002	0.0000	0.0001	0.0008	0.0157	0.0124	0.0366	0.1018	0.1676
65 mph	0.0000	0.0000	0.0000	0.0001	0.0020	0.0016	-	-	0.0037
70 mph	-	-	-	-	-	-	-	-	-
total	0.0033	0.0000	0.0012	0.0116	0.2062	0.1698	1.4901	4.3260	6.2082

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0002)	(0.0000)	(0.0001)	0.0003	0.0088	0.0072	-	-	0.0159
15 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0057	0.0048	-	-	0.0105
20 mph	(0.0001)	(0.0000)	(0.0000)	0.0002	0.0049	0.0041	0.1754	0.5068	0.6911
25 mph	(0.0002)	(0.0000)	(0.0001)	0.0003	0.0086	0.0072	0.2694	0.7673	1.0526
30 mph	(0.0004)	(0.0000)	(0.0001)	0.0005	0.0157	0.0131	0.4103	1.1613	1.6004
35 mph	(0.0008)	(0.0000)	(0.0003)	0.0011	0.0354	0.0294	0.3704	1.0758	1.5110
40 mph	(0.0008)	(0.0000)	(0.0003)	0.0012	0.0383	0.0315	0.3135	0.9012	1.2846
45 mph	(0.0007)	(0.0000)	(0.0002)	0.0009	0.0299	0.0243	0.2165	0.6189	0.8896
50 mph	(0.0007)	(0.0000)	(0.0003)	0.0010	0.0353	0.0283	0.1065	0.2972	0.4673
55 mph	(0.0004)	(0.0000)	(0.0002)	0.0006	0.0205	0.0163	0.0542	0.1519	0.2429
60 mph	(0.0003)	(0.0000)	(0.0001)	0.0004	0.0124	0.0098	3.9966	11.1241	15.1430
65 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0042	0.0033	-	-	0.0075
70 mph	(0.0052)	(0.0000)	(0.0018)	0.0072	0.1965	0.1534	-	-	0.3501
total	(0.0102)	(0.0001)	(0.0036)	0.0140	0.4163	0.3327	5.9129	16.6045	23.2665

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0001	0.0001	0.0003	0.0007	0.0012
15 mph	0.0014	0.0000	0.0005	0.0006	0.0114	0.0095	0.0865	0.2600	0.3699
25 mph	-	-	-	-	0.0164	0.0137	0.2827	0.8050	1.1178
35 mph	0.0032	0.0000	0.0011	0.0014	-	-	-	-	0.0057
total	0.0046	0.0000	0.0016	0.0020	0.0278	0.0232	0.3695	1.0657	1.4946

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0001	0.0001	0.0003	0.0007	0.0012
10 mph	0.0001	0.0000	0.0000	0.0013	0.0296	0.0242	0.1661	0.5520	0.7734
15 mph	0.0013	0.0000	0.0005	0.0012	0.0225	0.0188	0.1305	0.3923	0.5671
20 mph	0.0000	0.0000	0.0000	0.0008	0.0141	0.0118	0.2503	0.7231	1.0001
25 mph	0.0005	0.0000	0.0002	0.0029	0.0661	0.0553	0.9136	2.6018	3.6404
30 mph	0.0003	0.0000	0.0001	0.0030	0.0568	0.0472	0.7023	1.9876	2.7973
35 mph	0.0029	0.0000	0.0010	0.0043	0.0691	0.0575	0.4890	1.4202	2.0440
40 mph	(0.0007)	(0.0000)	(0.0002)	0.0017	0.0493	0.0406	0.4352	1.2509	1.7767
45 mph	(0.0005)	(0.0000)	(0.0002)	0.0013	0.0388	0.0315	0.3090	0.8830	1.2630
50 mph	(0.0006)	(0.0000)	(0.0002)	0.0015	0.0447	0.0358	0.2542	0.7095	1.0448
55 mph	(0.0003)	(0.0000)	(0.0001)	0.0010	0.0283	0.0225	0.0889	0.2492	0.3895
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0012	0.0281	0.0222	4.0332	11.2259	15.3106
65 mph	(0.0001)	(0.0000)	(0.0000)	0.0003	0.0062	0.0048	-	-	0.0112
70 mph	(0.0052)	(0.0000)	(0.0018)	0.0072	0.1965	0.1534	-	-	0.3501
total	(0.0024)	(0.0000)	(0.0008)	0.0277	0.6504	0.5257	7.7725	21.9962	30.9693

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0516	0.0516
15 mph								0.0144	0.0144
20 mph								0.0252	0.0252
25 mph								0.1274	0.1274
30 mph								0.1094	0.1094
35 mph								0.0469	0.0469
40 mph								0.0500	0.0500
45 mph								0.0386	0.0386
50 mph								0.0608	0.0608
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.5244	0.5244

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0590	0.0590
25 mph								0.0950	0.0950
30 mph								0.1537	0.1537
35 mph								0.1465	0.1465
40 mph								0.1289	0.1289
45 mph								0.0904	0.0904
50 mph								0.0438	0.0438
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.4542	0.4542

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0001	0.0001
15 mph								0.0284	0.0284
25 mph								0.0996	0.0996
35 mph								-	-
total	-	-	-	-	-	-	-	0.1281	0.1281

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0001	0.0001
10 mph								0.0516	0.0516
15 mph								0.0428	0.0428
20 mph								0.0842	0.0842
25 mph								0.3221	0.3221
30 mph								0.2631	0.2631
35 mph								0.1934	0.1934
40 mph								0.1789	0.1789
45 mph								0.1290	0.1290
50 mph								0.1046	0.1046
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.3698	1.3698

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0005	0.0002	0.0005	0.0008	0.0021
10 mph	0.0015	0.0002	0.0009	0.0093	0.0349	0.0260	0.1704	0.6038	0.8469
15 mph	0.0190	0.0026	0.0106	0.0087	0.0279	0.0206	0.1342	0.4353	0.6589
20 mph	0.0005	0.0001	0.0003	0.0060	0.0178	0.0130	0.2577	0.8077	1.1030
25 mph	0.0082	0.0011	0.0046	0.0232	0.0838	0.0614	0.9414	2.9252	4.0488
30 mph	0.0051	0.0007	0.0028	0.0255	0.0726	0.0525	0.7242	2.2517	3.1352
35 mph	0.0541	0.0074	0.0299	0.0379	0.0874	0.0635	0.5047	1.6144	2.3994
40 mph	(0.0132)	(0.0018)	(0.0073)	0.0155	0.0622	0.0448	0.4498	1.4306	1.9807
45 mph	(0.0101)	(0.0014)	(0.0056)	0.0122	0.0490	0.0348	0.3194	1.0126	1.4111
50 mph	(0.0116)	(0.0016)	(0.0064)	0.0133	0.0559	0.0395	0.2630	0.8146	1.1666
55 mph	(0.0059)	(0.0008)	(0.0033)	0.0086	0.0352	0.0247	0.0919	0.2494	0.3998
60 mph	(0.0009)	(0.0001)	(0.0005)	0.0104	0.0353	0.0245	4.1712	11.2332	15.4731
65 mph	(0.0012)	(0.0002)	(0.0007)	0.0021	0.0078	0.0054	-	-	0.0133
70 mph	(0.0822)	(0.0136)	(0.0469)	0.0565	0.2527	0.1698	-	-	0.3362
STREX	0.0236	0.0020	0.0113	0.0470	0.0198	0.0061	0.0068	0.0000	0.1166
total	(0.0130)	(0.0055)	(0.0103)	0.2763	0.8429	0.5870	8.0351	23.3792	**33.0916**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0257	0.0293	0.0330	0.0360	0.0412	0.0409	0.0289	0.0170
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0236	0.0020	0.0113	0.0470	0.0198	0.0061	0.0068	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0236	0.0020	0.0113	0.0470	0.0198	0.0061	0.0068	0.0000

World Logistics Center
Mobile Emissions - 2022 (Net) - Unmitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					2.3329	2.3473	3.3364	3.9099
10 mph	0.0124	0.0290	0.0191	0.0252	0.0265	0.0216	0.0587	0.5008
15 mph	0.0083	0.0198	0.0129	0.0171	0.0181	0.0147	0.0388	0.3354
20 mph	0.0059	0.0142	0.0092	0.0122	0.0132	0.0105	0.0275	0.2384
25 mph	0.0043	0.0107	0.0068	0.0091	0.0100	0.0078	0.0200	0.1822
30 mph	0.0034	0.0085	0.0053	0.0071	0.0079	0.0061	0.0153	0.1459
35 mph	0.0027	0.0071	0.0043	0.0058	0.0067	0.0050	0.0124	0.1236
40 mph	0.0024	0.0062	0.0038	0.0051	0.0059	0.0044	0.0109	0.1087
45 mph	0.0022	0.0057	0.0035	0.0046	0.0055	0.0041	0.0098	0.1020
50 mph	0.0021	0.0055	0.0034	0.0045	0.0055	0.0040	0.0098	0.0990
55 mph	0.0021	0.0055	0.0034	0.0046	0.0056	0.0040	0.0098	0.1032
60 mph	0.0023	0.0057	0.0036	0.0049	0.0061	0.0044	0.0109	0.1086
65 mph	0.0025	0.0063	0.0039	0.0053	0.0070	0.0050		
70 mph	0.0026	0.0076	0.0042	0.0055	0.0072	0.0046		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0405	0.1134
10 mph	0.0065	0.0257	0.0092	0.0060	0.0249	0.0250	0.0353	0.0240
15 mph	0.0035	0.0180	0.0046	0.0030	0.0136	0.0135	0.0184	0.0165
20 mph	0.0017	0.0132	0.0019	0.0013	0.0069	0.0067	0.0090	0.0110
25 mph	0.0012	0.0105	0.0012	0.0008	0.0048	0.0046	0.0066	0.0071
30 mph	0.0009	0.0088	0.0009	0.0006	0.0039	0.0037	0.0054	0.0057
35 mph	0.0007	0.0077	0.0008	0.0005	0.0033	0.0031	0.0044	0.0044
40 mph	0.0006	0.0071	0.0006	0.0004	0.0029	0.0027	0.0037	0.0037
45 mph	0.0006	0.0067	0.0006	0.0004	0.0027	0.0025	0.0033	0.0031
50 mph	0.0005	0.0067	0.0005	0.0004	0.0026	0.0024	0.0031	0.0029
55 mph	0.0005	0.0071	0.0005	0.0003	0.0026	0.0024	0.0031	0.0028
60 mph	0.0006	0.0077	0.0005	0.0003	0.0027	0.0025	0.0032	0.0030
65 mph	0.0006	0.0090	0.0005	0.0003	0.0032	0.0028		
70 mph	0.0005	0.0109	0.0006	0.0004	0.0045	0.0037		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								2.0543
10 mph								13.4002
15 mph								8.9009
20 mph								6.0842
25 mph								4.4747
30 mph								3.3514
35 mph								2.5172
40 mph								1.8994
45 mph								1.4446
50 mph								1.1135
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0065	0.0011	0.0037	0.0113	0.0052	0.0013	0.0065	0.0004	0.0361
15 mph	0.0017	0.0003	0.0010	0.0031	0.0014	0.0004	0.0014	0.0001	0.0094
20 mph	0.0025	0.0004	0.0014	0.0044	0.0021	0.0005	0.0020	0.0001	0.0135
25 mph	0.0091	0.0017	0.0053	0.0162	0.0079	0.0019	0.0082	0.0005	0.0508
30 mph	0.0077	0.0015	0.0046	0.0139	0.0069	0.0017	0.0057	0.0004	0.0423
35 mph	0.0052	0.0010	0.0031	0.0093	0.0047	0.0011	0.0021	0.0001	0.0266
40 mph	0.0015	0.0003	0.0009	0.0027	0.0014	0.0003	0.0020	0.0001	0.0093
45 mph	0.0011	0.0002	0.0007	0.0021	0.0011	0.0003	0.0015	0.0001	0.0070
50 mph	0.0011	0.0002	0.0007	0.0020	0.0011	0.0002	0.0024	0.0002	0.0079
55 mph	0.0009	0.0002	0.0005	0.0016	0.0009	0.0002	0.0005	0.0000	0.0049
60 mph	0.0019	0.0004	0.0011	0.0035	0.0019	0.0004	0.0006	0.0000	0.0098
65 mph	0.0003	0.0000	0.0002	0.0005	0.0003	0.0001	-	-	0.0013
70 mph	-	-	-	-	-	-	-	-	-
total	0.0395	0.0074	0.0231	0.0705	0.0349	0.0084	0.0330	0.0022	0.2190

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0042)	(0.0007)	(0.0024)	0.0028	0.0022	0.0006	-	-	(0.0018)
15 mph	(0.0028)	(0.0005)	(0.0016)	0.0019	0.0015	0.0004	-	-	(0.0012)
20 mph	(0.0020)	(0.0004)	(0.0012)	0.0013	0.0011	0.0003	0.0048	0.0003	0.0043
25 mph	(0.0029)	(0.0005)	(0.0017)	0.0020	0.0017	0.0004	0.0061	0.0004	0.0054
30 mph	(0.0045)	(0.0009)	(0.0027)	0.0031	0.0026	0.0006	0.0080	0.0006	0.0068
35 mph	(0.0084)	(0.0016)	(0.0049)	0.0057	0.0050	0.0012	0.0065	0.0005	0.0039
40 mph	(0.0081)	(0.0016)	(0.0048)	0.0056	0.0049	0.0012	0.0052	0.0004	0.0028
45 mph	(0.0059)	(0.0012)	(0.0035)	0.0041	0.0037	0.0008	0.0034	0.0003	0.0017
50 mph	(0.0065)	(0.0013)	(0.0038)	0.0045	0.0041	0.0009	0.0017	0.0001	(0.0002)
55 mph	(0.0036)	(0.0007)	(0.0021)	0.0025	0.0023	0.0005	0.0009	0.0001	(0.0002)
60 mph	(0.0023)	(0.0004)	(0.0013)	0.0016	0.0015	0.0003	0.0663	0.0048	0.0704
65 mph	(0.0008)	(0.0002)	(0.0005)	0.0006	0.0006	0.0001	-	-	(0.0002)
70 mph	(0.0408)	(0.0089)	(0.0241)	0.0279	0.0274	0.0055	-	-	(0.0129)
total	(0.0928)	(0.0188)	(0.0547)	0.0636	0.0586	0.0129	0.1028	0.0074	0.0789

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0769	0.0242	0.0500	0.0006	0.1517
15 mph	0.0231	0.0041	0.0134	0.0053	0.0030	0.0008	0.0028	0.0002	0.0527
25 mph	-	-	-	-	0.0031	0.0008	0.0064	0.0004	0.0107
35 mph	0.0328	0.0063	0.0194	0.0071	-	-	-	-	0.0656
total	0.0560	0.0105	0.0327	0.0123	0.0830	0.0257	0.0593	0.0012	0.2807

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0769	0.0242	0.0500	0.0006	0.1517
10 mph	0.0023	0.0004	0.0013	0.0140	0.0074	0.0019	0.0065	0.0004	0.0343
15 mph	0.0220	0.0039	0.0128	0.0102	0.0059	0.0015	0.0043	0.0003	0.0609
20 mph	0.0005	0.0001	0.0003	0.0057	0.0032	0.0008	0.0068	0.0004	0.0178
25 mph	0.0061	0.0011	0.0036	0.0182	0.0126	0.0031	0.0207	0.0014	0.0668
30 mph	0.0032	0.0006	0.0019	0.0170	0.0095	0.0023	0.0137	0.0009	0.0492
35 mph	0.0297	0.0057	0.0175	0.0221	0.0097	0.0023	0.0086	0.0006	0.0962
40 mph	(0.0066)	(0.0013)	(0.0039)	0.0083	0.0063	0.0015	0.0073	0.0005	0.0121
45 mph	(0.0048)	(0.0009)	(0.0028)	0.0062	0.0048	0.0011	0.0049	0.0004	0.0088
50 mph	(0.0054)	(0.0010)	(0.0032)	0.0065	0.0052	0.0012	0.0041	0.0003	0.0077
55 mph	(0.0027)	(0.0005)	(0.0016)	0.0041	0.0032	0.0007	0.0014	0.0001	0.0047
60 mph	(0.0004)	(0.0001)	(0.0002)	0.0051	0.0034	0.0008	0.0669	0.0048	0.0803
65 mph	(0.0006)	(0.0001)	(0.0003)	0.0011	0.0009	0.0002	-	-	0.0011
70 mph	(0.0408)	(0.0089)	(0.0241)	0.0279	0.0274	0.0055	-	-	(0.0129)
total	0.0026	(0.0009)	0.0012	0.1464	0.1765	0.0470	0.1951	0.0108	0.5786

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0001	0.0033	0.0024	0.0190	0.0247	0.0497
15 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0033	0.0057	0.0103
20 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0032	0.0076	0.0121
25 mph	0.0000	0.0000	0.0000	0.0000	0.0026	0.0018	0.0131	0.0270	0.0445
30 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0016	0.0097	0.0195	0.0331
35 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0011	0.0036	0.0069	0.0132
40 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	0.0034	0.0063	0.0105
45 mph	0.0000	0.0000	0.0000	0.0000	0.0004	0.0002	0.0023	0.0043	0.0073
50 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	0.0036	0.0065	0.0107
55 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	0.0008	0.0014	0.0027
60 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	0.0009	0.0015	0.0034
65 mph	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	-	-	0.0001
70 mph	-	-	-	-	-	-	-	-	-
total	0.0001	0.0000	0.0000	0.0002	0.0133	0.0094	0.0629	0.1116	0.1976

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0014	0.0010	-	-	0.0024
15 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0008	0.0006	-	-	0.0013
20 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0004	0.0003	0.0076	0.0178	0.0260
25 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0005	0.0004	0.0097	0.0202	0.0308
30 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0009	0.0006	0.0136	0.0274	0.0425
35 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0017	0.0011	0.0112	0.0215	0.0355
40 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0016	0.0011	0.0087	0.0163	0.0277
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0012	0.0008	0.0055	0.0101	0.0176
50 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0013	0.0009	0.0026	0.0047	0.0095
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0007	0.0005	0.0013	0.0022	0.0047
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0005	0.0003	0.0952	0.1683	0.2642
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0002	0.0001	-	-	0.0003
70 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0116	0.0070	-	-	0.0186
total	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0227	0.0148	0.1553	0.2885	0.4811

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0033	0.0024	0.0029	0.0157	0.0244
15 mph	0.0001	0.0000	0.0000	0.0000	0.0015	0.0011	0.0065	0.0112	0.0204
25 mph	-	-	-	-	0.0010	0.0007	0.0102	0.0212	0.0331
35 mph	0.0001	0.0000	0.0000	0.0000	-	-	-	-	0.0001
total	0.0002	0.0000	0.0001	0.0000	0.0058	0.0042	0.0197	0.0481	0.0780

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0033	0.0024	0.0029	0.0157	0.0244
10 mph	0.0000	0.0000	0.0000	0.0001	0.0047	0.0035	0.0190	0.0247	0.0521
15 mph	0.0001	0.0000	0.0000	0.0000	0.0030	0.0022	0.0098	0.0169	0.0320
20 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0008	0.0108	0.0254	0.0381
25 mph	0.0000	0.0000	0.0000	0.0000	0.0041	0.0029	0.0330	0.0684	0.1085
30 mph	0.0000	0.0000	0.0000	0.0000	0.0031	0.0022	0.0233	0.0470	0.0756
35 mph	0.0001	0.0000	0.0000	0.0000	0.0033	0.0022	0.0148	0.0284	0.0488
40 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0021	0.0014	0.0120	0.0226	0.0381
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0016	0.0011	0.0078	0.0144	0.0249
50 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0017	0.0011	0.0062	0.0112	0.0202
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0010	0.0007	0.0021	0.0036	0.0075
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0010	0.0007	0.0960	0.1699	0.2676
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0003	0.0002	-	-	0.0004
70 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0116	0.0070	-	-	0.0186
total	0.0001	(0.0000)	0.0000	0.0003	0.0419	0.0284	0.2379	0.4481	0.7567

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.6981	0.6981
15 mph								0.1546	0.1546
20 mph								0.2113	0.2113
25 mph								0.8548	0.8548
30 mph								0.5820	0.5820
35 mph								0.1967	0.1967
40 mph								0.1649	0.1649
45 mph								0.1003	0.1003
50 mph								0.1257	0.1257
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.0884	3.0884

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.4950	0.4950
25 mph								0.6371	0.6371
30 mph								0.8180	0.8180
35 mph								0.6144	0.6144
40 mph								0.4250	0.4250
45 mph								0.2351	0.2351
50 mph								0.0906	0.0906
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.5645	2.5645

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0144	0.0144
15 mph								0.3038	0.3038
25 mph								0.6684	0.6684
35 mph								-	-
total	-	-	-	-	-	-	-	0.9867	0.9867

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0144	0.0144
10 mph								0.6981	0.6981
15 mph								0.4584	0.4584
20 mph								0.7063	0.7063
25 mph								2.1603	2.1603
30 mph								1.4000	1.4000
35 mph								0.8111	0.8111
40 mph								0.5899	0.5899
45 mph								0.3354	0.3354
50 mph								0.2163	0.2163
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	7.3902	7.3902

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0802	0.0265	0.0530	0.0307	0.1904
10 mph	0.0023	0.0004	0.0013	0.0141	0.0122	0.0054	0.0256	0.7233	0.7845
15 mph	0.0221	0.0039	0.0128	0.0102	0.0089	0.0037	0.0141	0.4755	0.5514
20 mph	0.0005	0.0001	0.0003	0.0057	0.0043	0.0016	0.0177	0.7321	0.7622
25 mph	0.0062	0.0011	0.0036	0.0182	0.0168	0.0060	0.0537	2.2300	2.3356
30 mph	0.0032	0.0006	0.0019	0.0171	0.0127	0.0045	0.0370	1.4479	1.5248
35 mph	0.0297	0.0057	0.0175	0.0221	0.0130	0.0045	0.0233	0.8401	0.9560
40 mph	(0.0066)	(0.0013)	(0.0039)	0.0083	0.0085	0.0029	0.0193	0.6130	0.6401
45 mph	(0.0048)	(0.0009)	(0.0028)	0.0062	0.0063	0.0022	0.0127	0.3502	0.3691
50 mph	(0.0054)	(0.0010)	(0.0032)	0.0065	0.0068	0.0023	0.0103	0.2278	0.2442
55 mph	(0.0027)	(0.0005)	(0.0016)	0.0041	0.0042	0.0014	0.0035	0.0038	0.0122
60 mph	(0.0004)	(0.0001)	(0.0002)	0.0051	0.0045	0.0015	0.1629	0.1747	0.3479
65 mph	(0.0006)	(0.0001)	(0.0003)	0.0011	0.0011	0.0004	-	-	0.0015
70 mph	(0.0408)	(0.0089)	(0.0241)	0.0280	0.0390	0.0126	-	-	0.0056
STREX	0.0485	0.0053	0.0242	0.1120	0.0121	0.0038	0.0093	0.0000	0.2152
total	0.0512	0.0044	0.0254	0.2587	0.2305	0.0791	0.4424	7.8491	**8.9407**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0530	0.0767	0.0708	0.0859	0.0252	0.0250	0.0397	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0485	0.0053	0.0242	0.1120	0.0121	0.0038	0.0093	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0485	0.0053	0.0242	0.1120	0.0121	0.0038	0.0093	0.0000

World Logistics Center
Mobile Emissions - 2022 (Net) - Unmitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,576.46	5,337.97	13,640.12	24,287.92
10 mph	509.86	593.79	640.37	783.42	1,520.84	1,748.13	3,170.90	3,947.37
15 mph	417.03	485.43	523.48	640.00	1,242.56	1,427.82	2,593.12	3,233.32
20 mph	346.79	403.69	435.28	532.20	1,032.87	1,187.02	2,153.98	2,691.76
25 mph	296.60	345.41	372.34	455.62	882.98	1,014.75	1,842.18	2,303.18
30 mph	263.22	306.67	330.52	404.89	783.73	900.72	1,635.77	2,043.60
35 mph	244.06	284.53	306.56	376.11	726.81	835.36	1,516.71	1,892.80
40 mph	236.52	275.73	297.04	364.50	703.61	808.71	1,467.92	1,830.15
45 mph	237.77	276.99	298.43	366.06	706.15	811.64	1,473.38	1,832.46
50 mph	245.00	285.42	307.41	377.36	727.08	835.32	1,516.10	1,884.02
55 mph	254.54	296.54	319.45	392.43	757.01	869.65	1,576.41	1,959.51
60 mph	261.94	305.41	329.36	405.10	787.58	904.73	1,640.26	2,038.24
65 mph	268.49	313.66	338.22	416.69	811.78	932.10		
70 mph	271.01	319.10	341.10	425.49	824.03	942.55		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,783.89	6,077.18	6,397.39	5,899.25
10 mph	425.17	895.06	576.67	718.82	994.65	1,112.23	1,959.72	3,401.08
15 mph	349.81	743.87	478.31	609.04	647.68	738.39	1,557.13	2,445.05
20 mph	286.95	611.00	392.96	505.88	552.20	629.98	1,324.78	1,999.59
25 mph	240.51	510.60	329.51	428.56	490.19	561.86	1,162.89	1,730.04
30 mph	208.30	439.75	284.93	370.85	445.63	507.24	1,033.08	1,527.39
35 mph	188.29	394.65	257.10	337.33	446.55	508.21	932.51	1,414.86
40 mph	176.20	367.83	239.93	315.70	434.78	490.13	861.05	1,293.03
45 mph	170.21	354.92	231.35	303.76	424.30	471.36	817.78	1,220.91
50 mph	170.74	355.31	231.63	305.48	445.25	489.22	804.14	1,172.54
55 mph	178.61	371.16	242.14	322.47	465.06	506.14	818.99	1,198.95
60 mph	193.70	402.51	262.35	349.05	469.11	507.33	862.51	1,254.07
65 mph	217.73	448.83	294.61	393.00	476.71	510.27		
70 mph	236.43	469.15	315.27	428.68	484.73	518.25		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								6,046.80
10 mph								4,863.25
15 mph								4,080.85
20 mph								3,557.79
25 mph								3,272.27
30 mph								3,089.03
35 mph								2,944.01
40 mph								2,825.44
45 mph								2,726.31
50 mph								2,642.16
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	266.86	23.40	125.23	350.49	300.30	107.77	353.80	3.19	1,531.04
15 mph	87.31	7.65	40.95	114.53	98.14	35.21	96.45	0.87	481.11
20 mph	145.21	12.73	68.10	190.48	163.16	58.54	160.23	1.45	799.89
25 mph	620.96	54.45	291.26	815.35	697.39	250.23	753.67	6.83	3,490.16
30 mph	606.17	53.18	284.41	797.02	680.90	244.32	608.39	5.51	3,279.90
35 mph	459.87	40.37	215.82	605.75	516.64	185.40	253.85	2.30	2,280.00
40 mph	148.55	13.04	69.71	195.69	166.72	59.83	272.98	2.47	928.98
45 mph	124.45	10.92	58.36	163.77	139.43	50.04	219.20	1.98	768.13
50 mph	128.23	11.25	60.12	168.83	143.56	51.50	366.52	3.30	933.31
55 mph	106.58	9.35	49.98	140.45	119.58	42.89	87.95	0.79	557.57
60 mph	219.36	19.26	103.06	289.98	248.82	89.24	91.51	0.82	1,062.05
65 mph	28.11	2.47	13.23	37.28	32.06	11.49	-	-	124.64
70 mph	-	-	-	-	-	-	-	-	-
total	2,941.65	258.07	1,380.23	3,869.62	3,306.70	1,186.46	3,264.54	29.52	16,236.78

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(172.30)	(15.11)	(80.86)	86.19	126.21	45.30	-	-	(10.57)
15 mph	(140.93)	(12.35)	(66.10)	70.42	103.12	37.00	-	-	(8.85)
20 mph	(117.19)	(10.27)	(54.96)	58.55	85.72	30.76	375.33	3.40	371.33
25 mph	(200.47)	(17.58)	(94.03)	100.26	146.56	52.59	561.74	5.09	554.16
30 mph	(355.81)	(31.22)	(166.94)	178.19	260.16	93.35	855.09	7.75	840.58
35 mph	(742.31)	(65.16)	(348.38)	372.42	542.86	194.80	792.85	7.17	754.26
40 mph	(799.31)	(70.17)	(375.08)	401.03	583.92	209.54	703.40	6.36	659.71
45 mph	(642.82)	(56.39)	(301.46)	322.20	468.82	168.24	513.47	4.63	476.69
50 mph	(745.17)	(65.37)	(349.35)	373.67	543.06	194.79	264.18	2.38	218.19
55 mph	(430.11)	(37.73)	(201.68)	215.88	314.12	112.67	137.34	1.24	111.73
60 mph	(265.56)	(23.32)	(124.77)	133.71	196.08	70.33	10,003.42	90.14	10,080.04
65 mph	(90.73)	(7.98)	(42.71)	45.85	67.37	24.15	-	-	(4.06)
70 mph	(4,212.95)	(373.53)	(1,981.24)	2,153.45	3,145.76	1,123.42	-	-	(145.10)
total	(8,915.67)	(786.17)	(4,187.56)	4,511.82	6,583.76	2,356.94	14,206.82	128.16	13,898.10

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	150.82	54.92	204.57	3.76	414.08
15 mph	1,158.47	101.54	543.34	197.29	205.59	73.76	189.58	1.71	2,471.29
25 mph	-	-	-	-	277.47	99.56	589.37	5.34	971.74
35 mph	2,917.10	256.08	1,369.04	458.40	-	-	-	-	5,000.61
total	4,075.57	357.62	1,912.38	655.68	633.88	228.24	983.53	10.82	8,857.72

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	150.82	54.92	204.57	3.76	414.08
10 mph	94.55	8.29	44.37	436.68	426.51	153.07	353.80	3.19	1,520.47
15 mph	1,104.84	96.84	518.19	382.23	406.85	145.97	286.03	2.59	2,943.54
20 mph	28.01	2.46	13.14	249.03	248.87	89.30	535.55	4.85	1,171.21
25 mph	420.49	36.87	197.23	915.61	1,121.42	402.38	1,904.79	17.27	5,016.06
30 mph	250.36	21.96	117.47	975.21	941.07	337.68	1,463.47	13.26	4,120.48
35 mph	2,634.65	231.28	1,236.48	1,436.57	1,059.51	380.20	1,046.70	9.47	8,034.87
40 mph	(650.75)	(57.13)	(305.37)	596.72	750.64	269.37	976.38	8.83	1,588.69
45 mph	(518.37)	(45.47)	(243.10)	485.96	608.25	218.28	732.67	6.61	1,244.83
50 mph	(616.94)	(54.12)	(289.23)	542.49	686.62	246.29	630.70	5.68	1,151.50
55 mph	(323.52)	(28.38)	(151.70)	356.33	433.70	155.56	225.29	2.03	669.30
60 mph	(46.21)	(4.06)	(21.71)	423.69	444.90	159.57	10,094.93	90.96	11,142.08
65 mph	(62.63)	(5.51)	(29.48)	83.13	99.43	35.64	-	-	120.58
70 mph	(4,212.95)	(373.53)	(1,981.24)	2,153.45	3,145.76	1,123.42	-	-	(145.10)
total	(1,898.46)	(170.48)	(894.95)	9,037.13	10,524.34	3,771.64	18,454.88	168.51	38,992.60

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	2.01	0.02	0.72	6.81	132.71	108.36	1,056.95	3,511.50	4,819.07
15 mph	0.66	0.01	0.24	2.31	34.57	28.78	279.94	841.48	1,187.97
20 mph	1.08	0.01	0.39	3.83	58.94	49.10	476.34	1,376.34	1,966.04
25 mph	4.54	0.04	1.64	16.24	261.61	218.97	2,299.71	6,549.41	9,352.15
30 mph	4.33	0.04	1.56	15.46	261.61	217.45	1,857.26	5,256.59	7,614.30
35 mph	3.20	0.03	1.15	11.51	214.48	178.25	754.41	2,191.19	3,354.22
40 mph	1.00	0.01	0.36	3.59	69.61	57.30	774.00	2,225.01	3,130.88
45 mph	0.80	0.01	0.29	2.88	56.61	45.92	588.08	1,680.74	2,375.33
50 mph	0.81	0.01	0.29	2.89	59.41	47.66	939.69	2,622.98	3,673.74
55 mph	0.67	0.01	0.24	2.44	49.64	39.45	220.86	618.94	932.25
60 mph	1.46	0.01	0.52	5.29	100.14	79.09	232.59	647.39	1,066.50
65 mph	0.21	0.00	0.07	0.74	12.72	9.94	-	-	23.69
70 mph	-	-	-	-	-	-	-	-	-
total	20.76	0.19	7.45	74.01	1,312.04	1,080.28	9,479.83	27,521.57	39,496.15

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(1.30)	(0.01)	(0.46)	1.67	55.78	45.55	-	-	101.23
15 mph	(1.07)	(0.01)	(0.38)	1.42	36.32	30.24	-	-	66.52
20 mph	(0.87)	(0.01)	(0.32)	1.18	30.97	25.80	1,115.82	3,224.07	4,396.63
25 mph	(1.47)	(0.01)	(0.53)	2.00	54.98	46.02	1,714.06	4,881.54	6,696.59
30 mph	(2.54)	(0.02)	(0.91)	3.46	99.96	83.08	2,610.38	7,388.14	10,181.55
35 mph	(5.16)	(0.05)	(1.86)	7.07	225.37	187.30	2,356.28	6,843.82	9,612.77
40 mph	(5.37)	(0.05)	(1.92)	7.36	243.81	200.71	1,994.40	5,733.30	8,172.24
45 mph	(4.15)	(0.04)	(1.48)	5.66	190.35	154.42	1,377.58	3,937.12	5,659.46
50 mph	(4.68)	(0.04)	(1.67)	6.41	224.71	180.30	677.30	1,890.56	2,972.88
55 mph	(2.72)	(0.02)	(0.97)	3.76	130.40	103.63	344.91	966.58	1,545.55
60 mph	(1.77)	(0.02)	(0.63)	2.44	78.92	62.32	25,426.19	70,770.58	96,338.03
65 mph	(0.66)	(0.01)	(0.24)	0.92	26.73	20.90	-	-	47.64
70 mph	(33.14)	(0.29)	(11.63)	45.95	1,250.37	976.22	-	-	2,227.48
total	(64.90)	(0.58)	(23.00)	89.29	2,648.65	2,116.46	37,616.92	105,635.72	148,018.55

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	84.26	98.82	463.78	818.70	1,465.56
15 mph	8.76	0.08	3.15	3.98	72.41	60.28	550.29	1,654.11	2,353.06
25 mph	-	-	-	-	104.08	87.12	1,798.35	5,121.59	7,111.15
35 mph	20.29	0.19	7.29	8.71	-	-	-	-	36.48
total	29.05	0.27	10.44	12.68	260.76	246.23	2,812.43	7,594.40	10,966.25

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	84.26	98.82	463.78	818.70	1,465.56
10 mph	0.71	0.01	0.25	8.49	188.48	153.91	1,056.95	3,511.50	4,920.30
15 mph	8.36	0.08	3.01	7.70	143.30	119.30	830.23	2,495.59	3,607.55
20 mph	0.21	0.00	0.08	5.01	89.91	74.90	1,592.15	4,600.41	6,362.67
25 mph	3.07	0.03	1.11	18.24	420.67	352.10	5,812.12	16,552.54	23,159.89
30 mph	1.79	0.02	0.64	18.92	361.56	300.53	4,467.65	12,644.73	17,795.84
35 mph	18.33	0.17	6.58	27.29	439.85	365.55	3,110.69	9,035.01	13,003.47
40 mph	(4.37)	(0.04)	(1.57)	10.95	313.42	258.01	2,768.40	7,958.32	11,303.12
45 mph	(3.35)	(0.03)	(1.20)	8.54	246.96	200.34	1,965.66	5,617.86	8,034.79
50 mph	(3.88)	(0.04)	(1.38)	9.30	284.12	227.96	1,616.99	4,513.55	6,646.62
55 mph	(2.05)	(0.02)	(0.73)	6.20	180.04	143.08	565.76	1,585.51	2,477.80
60 mph	(0.31)	(0.00)	(0.11)	7.73	179.06	141.41	25,658.78	71,417.97	97,404.53
65 mph	(0.46)	(0.00)	(0.16)	1.66	39.45	30.84	-	-	71.33
70 mph	(33.14)	(0.29)	(11.63)	45.95	1,250.37	976.22	-	-	2,227.48
total	(15.08)	(0.12)	(5.11)	175.98	4,221.45	3,442.97	49,909.17	140,751.69	198,480.95

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								253.36	253.36
15 mph								70.87	70.87
20 mph								123.57	123.57
25 mph								625.08	625.08
30 mph								536.44	536.44
35 mph								230.06	230.06
40 mph								245.33	245.33
45 mph								189.38	189.38
50 mph								298.24	298.24
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2,572.33	2,572.33

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								289.46	289.46
25 mph								465.90	465.90
30 mph								753.96	753.96
35 mph								718.57	718.57
40 mph								632.16	632.16
45 mph								443.62	443.62
50 mph								214.96	214.96
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2,227.88	2,227.88

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								42.34	42.34
15 mph								139.31	139.31
25 mph								488.81	488.81
35 mph								-	-
total	-	-	-	-	-	-	-	670.46	670.46

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								42.34	42.34
10 mph								253.36	253.36
15 mph								210.17	210.17
20 mph								413.03	413.03
25 mph								1,579.79	1,579.79
30 mph								1,290.40	1,290.40
35 mph								948.63	948.63
40 mph								877.49	877.49
45 mph								633.00	633.00
50 mph								513.21	513.21
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	6,761.41	6,761.41

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	235.08	153.74	668.36	864.80	1,921.98
10 mph	95.27	8.30	44.63	445.17	614.99	306.97	1,410.76	3,768.06	6,694.14
15 mph	1,113.20	96.92	521.20	389.94	550.15	265.26	1,116.26	2,708.34	6,761.27
20 mph	28.22	2.46	13.21	254.05	338.78	164.20	2,127.70	5,018.29	7,946.91
25 mph	423.56	36.90	198.34	933.85	1,542.09	754.48	7,716.91	18,149.60	29,755.74
30 mph	252.15	21.98	118.11	994.13	1,302.63	638.21	5,931.12	13,948.39	23,206.71
35 mph	2,652.98	231.45	1,243.07	1,463.86	1,499.36	745.75	4,157.39	9,993.11	21,986.97
40 mph	(655.12)	(57.17)	(306.93)	607.66	1,064.06	527.38	3,744.78	8,844.63	13,769.29
45 mph	(521.72)	(45.50)	(244.30)	494.51	855.21	418.62	2,698.33	6,257.46	9,912.61
50 mph	(620.81)	(54.15)	(290.61)	551.79	970.74	474.26	2,247.69	5,032.43	8,311.33
55 mph	(325.57)	(28.40)	(152.43)	362.54	613.74	298.64	791.05	1,587.55	3,147.10
60 mph	(46.51)	(4.06)	(21.82)	431.43	623.96	300.98	35,753.71	71,508.93	108,546.62
65 mph	(63.09)	(5.51)	(29.64)	84.79	138.88	66.48	-	-	191.91
70 mph	(4,246.09)	(373.82)	(1,992.87)	2,199.40	4,396.12	2,099.64	-	-	2,082.38
STREX	50.07	4.43	23.98	112.39	9.10	3.22	9.11	0.09	212.38
total	(1,863.47)	(166.17)	(876.08)	9,325.50	14,754.88	7,217.83	68,373.16	147,681.70	**244,447.34**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	54.71	64.27	70.11	86.25	18.92	21.43	38.77	52.74
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	50.07	4.43	23.98	112.39	9.10	3.22	9.11	0.09
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	50.07	4.43	23.98	112.39	9.10	3.22	9.11	0.09

World Logistics Center
Mobile Emissions - 2023 (Net) -Unmitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
29.05	724.79	236.95	3.31	10.60	51.59	33.97	96.16	10.13	12.66	13.24	36.03	7.79	48.37	13.14	358,141.61

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
5.30	132.27	43.24	0.60	1.93	9.41	6.20	17.55	1.85	2.31	2.42	6.58	1.42	8.83	2.40	65,360.84

World Logistics Center
Mobile Emissions - 2023 (Net) -Unmitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	620.43	5.85	14.12	(15,812.52)	(149.05)	(359.99)
LDT1	46.79	0.02	0.44	(1,192.40)	(0.57)	(11.25)
LDT2	231.94	1.59	2.93	(5,911.39)	(40.42)	(74.70)
MDT	882.61	20.11	9.12	13,511.86	307.92	139.67
LHDT1	319.52	228.49	-	8,140.56	5,821.43	-
LHDT2	98.88	164.59	-	2,519.29	4,193.35	-
MHDT	161.81	770.35	-	7,282.72	34,672.64	-
HHDT	1.10	1,475.58	77.64	49.46	66,414.58	3,494.38

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	7,096.00	66.89	161.55	(22,908.52)	(215.94)	(521.54)
LDT1	535.10	0.26	5.05	(1,727.50)	(0.83)	(16.30)
LDT2	2,652.78	18.14	33.52	(8,564.17)	(58.55)	(108.22)
MDT	6,060.15	138.10	62.64	7,451.71	169.81	77.02
LHDT1	2,624.73	1,876.98	-	5,515.83	3,944.45	-
LHDT2	812.29	1,352.04	-	1,707.01	2,841.30	-
MHDT	1,281.04	6,098.97	-	6,001.68	28,573.67	-
HHDT	8.70	11,682.43	614.67	40.76	54,732.15	2,879.71

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	354.80	26.75	132.64	303.01	131.24	40.61	76.86	0.52	1,066.44
15 mph	141.92	10.70	53.06	121.20	52.49	16.25	25.62	0.17	421.42
20 mph	283.84	21.40	106.11	242.41	104.99	32.49	51.24	0.35	842.83
25 mph	1,419.20	107.02	530.56	1,212.03	524.95	162.46	281.83	1.91	4,239.95
30 mph	1,561.12	117.72	583.61	1,333.23	577.44	178.70	256.21	1.74	4,609.78
35 mph	1,277.28	96.32	477.50	1,090.83	472.45	146.21	115.29	0.78	3,676.67
40 mph	425.76	32.11	159.17	363.61	157.48	48.74	128.10	0.87	1,315.84
45 mph	354.80	26.75	132.64	303.01	131.24	40.61	102.48	0.70	1,092.23
50 mph	354.80	26.75	132.64	303.01	131.24	40.61	166.54	1.13	1,156.72
55 mph	283.84	21.40	106.11	242.41	104.99	32.49	38.43	0.26	829.93
60 mph	567.68	42.81	212.22	484.81	209.98	64.98	38.43	0.26	1,621.18
65 mph	70.96	5.35	26.53	60.60	26.25	8.12	-	-	197.81
70 mph	-	-	-	-	-	-	-	-	-
total	7,096.00	535.10	2,652.78	6,060.15	2,624.73	812.29	1,281.04	8.70	21,070.79

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(229.09)	(17.27)	(85.64)	74.52	55.16	17.07	-	-	(185.26)
15 mph	(229.09)	(17.27)	(85.64)	74.52	55.16	17.07	-	-	(185.26)
20 mph	(229.09)	(17.27)	(85.64)	74.52	55.16	17.07	120.03	0.82	(64.41)
25 mph	(458.17)	(34.55)	(171.28)	149.03	110.32	34.14	210.06	1.43	(159.03)
30 mph	(916.34)	(69.10)	(342.57)	298.07	220.63	68.28	360.10	2.45	(378.48)
35 mph	(2,061.77)	(155.47)	(770.78)	670.65	496.42	153.63	360.10	2.45	(1,304.76)
40 mph	(2,290.85)	(172.75)	(856.42)	745.17	551.58	170.70	330.09	2.24	(1,520.23)
45 mph	(1,832.68)	(138.20)	(685.13)	596.14	441.27	136.56	240.07	1.63	(1,240.35)
50 mph	(2,061.77)	(155.47)	(770.78)	670.65	496.42	153.63	120.03	0.82	(1,546.46)
55 mph	(1,145.43)	(86.37)	(428.21)	372.59	275.79	85.35	60.02	0.41	(865.86)
60 mph	(687.26)	(51.82)	(256.93)	223.55	165.47	51.21	4,201.17	28.53	3,673.94
65 mph	(229.09)	(17.27)	(85.64)	74.52	55.16	17.07	-	-	(185.26)
70 mph	(10,537.92)	(794.65)	(3,939.52)	3,427.79	2,537.28	785.22	-	-	(8,521.79)
total	(22,908.52)	(1,727.50)	(8,564.17)	7,451.71	5,515.83	1,707.01	6,001.68	40.76	(12,483.20)

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	21.90	6.78	10.33	0.10	39.12
15 mph	1,883.08	142.00	703.98	208.78	109.97	34.03	50.36	0.34	3,132.55
25 mph	-	-	-	-	208.86	64.64	220.39	1.50	495.38
35 mph	8,102.20	610.97	3,028.94	825.47	-	-	-	-	12,567.59
total	9,985.28	752.98	3,732.92	1,034.25	318.83	98.67	270.75	1.84	16,195.52

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	21.90	6.78	10.33	0.10	39.12
10 mph	125.71	9.48	47.00	377.52	186.39	57.68	76.86	0.52	881.18
15 mph	1,795.92	135.43	671.39	404.50	217.62	67.35	75.98	0.52	3,368.71
20 mph	54.75	4.13	20.47	316.92	160.15	49.56	171.28	1.16	778.42
25 mph	961.03	72.47	359.27	1,361.06	844.12	261.23	712.28	4.84	4,576.30
30 mph	644.78	48.62	241.05	1,631.30	798.07	246.98	616.31	4.19	4,231.30
35 mph	7,317.72	551.82	2,735.67	2,586.95	968.88	299.84	475.39	3.23	14,939.50
40 mph	(1,865.09)	(140.64)	(697.25)	1,108.78	709.07	219.44	458.20	3.11	(204.39)
45 mph	(1,477.88)	(111.44)	(552.49)	899.14	572.50	177.17	342.55	2.33	(148.12)
50 mph	(1,706.97)	(128.72)	(638.14)	973.66	627.66	194.24	286.57	1.95	(389.74)
55 mph	(861.59)	(64.97)	(322.10)	614.99	380.78	117.84	98.45	0.67	(35.92)
60 mph	(119.58)	(9.02)	(44.70)	708.36	375.45	116.19	4,239.61	28.79	5,295.11
65 mph	(158.13)	(11.92)	(59.11)	135.12	81.41	25.19	-	-	12.55
70 mph	(10,537.92)	(794.65)	(3,939.52)	3,427.79	2,537.28	785.22	-	-	(8,521.79)
total	(5,827.23)	(439.42)	(2,178.47)	14,546.11	8,459.39	2,617.96	7,553.47	51.30	24,783.11

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	3.34	0.01	0.91	6.91	93.85	67.60	365.94	700.95	1,239.50
15 mph	1.34	0.01	0.36	2.76	37.54	27.04	121.98	233.65	424.68
20 mph	2.68	0.01	0.73	5.52	75.08	54.08	243.96	467.30	849.35
25 mph	13.38	0.05	3.63	27.62	375.40	270.41	1,341.77	2,570.13	4,602.39
30 mph	14.72	0.06	3.99	30.38	412.94	297.45	1,219.79	2,336.49	4,315.81
35 mph	12.04	0.05	3.26	24.86	337.86	243.37	548.91	1,051.42	2,221.76
40 mph	4.01	0.02	1.09	8.29	112.62	81.12	609.90	1,168.24	1,985.28
45 mph	3.34	0.01	0.91	6.91	93.85	67.60	487.92	934.59	1,595.13
50 mph	3.34	0.01	0.91	6.91	93.85	67.60	792.87	1,518.72	2,484.20
55 mph	2.68	0.01	0.73	5.52	75.08	54.08	182.97	350.47	671.54
60 mph	5.35	0.02	1.45	11.05	150.16	108.16	182.97	350.47	809.63
65 mph	0.67	0.00	0.18	1.38	18.77	13.52	-	-	34.52
70 mph	-	-	-	-	-	-	-	-	-
total	66.89	0.26	18.14	138.10	1,876.98	1,352.04	6,098.97	11,682.43	21,233.81

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(2.16)	(0.01)	(0.59)	1.70	39.44	28.41	-	-	66.80
15 mph	(2.16)	(0.01)	(0.59)	1.70	39.44	28.41	-	-	66.80
20 mph	(2.16)	(0.01)	(0.59)	1.70	39.44	28.41	571.47	1,094.64	1,732.92
25 mph	(4.32)	(0.02)	(1.17)	3.40	78.89	56.83	1,000.08	1,915.63	3,049.31
30 mph	(8.64)	(0.03)	(2.34)	6.79	157.78	113.65	1,714.42	3,283.93	5,265.56
35 mph	(19.43)	(0.07)	(5.27)	15.28	355.00	255.72	1,714.42	3,283.93	5,599.57
40 mph	(21.59)	(0.08)	(5.86)	16.98	394.44	284.13	1,571.55	3,010.27	5,249.85
45 mph	(17.28)	(0.07)	(4.68)	13.59	315.56	227.30	1,142.95	2,189.29	3,866.65
50 mph	(19.43)	(0.07)	(5.27)	15.28	355.00	255.72	571.47	1,094.64	2,267.34
55 mph	(10.80)	(0.04)	(2.93)	8.49	197.22	142.07	285.74	547.32	1,167.07
60 mph	(6.48)	(0.02)	(1.76)	5.09	118.33	85.24	20,001.57	38,312.51	58,514.48
65 mph	(2.16)	(0.01)	(0.59)	1.70	39.44	28.41	-	-	66.80
70 mph	(99.33)	(0.38)	(26.93)	78.11	1,814.45	1,307.00	-	-	3,072.91
total	(215.94)	(0.83)	(58.55)	169.81	3,944.45	2,841.30	28,573.67	54,732.15	89,986.07

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	15.66	11.28	49.19	94.22	170.35
15 mph	17.75	0.07	4.81	4.76	78.64	56.65	239.78	459.29	861.75
25 mph	-	-	-	-	149.36	107.59	1,049.26	2,009.83	3,316.03
35 mph	76.37	0.29	20.71	18.81	-	-	-	-	116.18
total	94.12	0.36	25.52	23.57	228.00	164.24	1,289.04	2,469.12	4,293.96

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	15.66	11.28	49.19	94.22	170.35
10 mph	1.19	0.00	0.32	8.60	133.29	96.02	365.94	700.95	1,306.31
15 mph	16.93	0.06	4.59	9.22	155.63	112.10	361.76	692.94	1,353.22
20 mph	0.52	0.00	0.14	7.22	114.52	82.49	815.43	1,561.94	2,582.27
25 mph	9.06	0.03	2.46	31.02	603.64	434.82	3,391.11	6,495.59	10,967.73
30 mph	6.08	0.02	1.65	37.18	570.71	411.10	2,934.21	5,620.42	9,581.37
35 mph	68.98	0.26	18.70	58.95	692.86	499.09	2,263.33	4,335.35	7,937.52
40 mph	(17.58)	(0.07)	(4.77)	25.27	507.06	365.25	2,181.45	4,178.51	7,235.13
45 mph	(13.93)	(0.05)	(3.78)	20.49	409.40	294.91	1,630.86	3,123.88	5,461.79
50 mph	(16.09)	(0.06)	(4.36)	22.19	448.85	323.32	1,364.34	2,613.36	4,751.54
55 mph	(8.12)	(0.03)	(2.20)	14.01	272.30	196.15	468.71	897.79	1,838.61
60 mph	(1.13)	(0.00)	(0.31)	16.14	268.49	193.40	20,184.54	38,662.98	59,324.12
65 mph	(1.49)	(0.01)	(0.40)	3.08	58.21	41.93	-	-	101.33
70 mph	(99.33)	(0.38)	(26.93)	78.11	1,814.45	1,307.00	-	-	3,072.91
total	(54.93)	(0.21)	(14.89)	331.49	6,049.43	4,357.58	35,961.67	68,883.70	115,513.84

Surface Street VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	8.08	0.25	1.68	3.13	-	-	-	36.88	50.02
15 mph	3.23	0.10	0.67	1.25	-	-	-	12.29	17.55
20 mph	6.46	0.20	1.34	2.51	-	-	-	24.59	35.10
25 mph	32.31	1.01	6.70	12.53	-	-	-	135.23	187.78
30 mph	35.54	1.11	7.37	13.78	-	-	-	122.93	180.74
35 mph	29.08	0.91	6.03	11.28	-	-	-	55.32	102.62
40 mph	9.69	0.30	2.01	3.76	-	-	-	61.47	77.23
45 mph	8.08	0.25	1.68	3.13	-	-	-	49.17	62.31
50 mph	8.08	0.25	1.68	3.13	-	-	-	79.91	93.04
55 mph	6.46	0.20	1.34	2.51	-	-	-	18.44	28.95
60 mph	12.92	0.40	2.68	5.01	-	-	-	18.44	39.46
65 mph	1.62	0.05	0.34	0.63	-	-	-	-	2.63
70 mph	-	-	-	-	-	-	-	-	-
total	161.55	5.05	33.52	62.64	-	-	-	614.67	877.43

Freeway VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(5.22)	(0.16)	(1.08)	0.77	-	-	-	-	(5.69)
15 mph	(5.22)	(0.16)	(1.08)	0.77	-	-	-	-	(5.69)
20 mph	(5.22)	(0.16)	(1.08)	0.77	-	-	-	57.59	51.90
25 mph	(10.43)	(0.33)	(2.16)	1.54	-	-	-	100.79	89.41
30 mph	(20.86)	(0.65)	(4.33)	3.08	-	-	-	172.78	150.02
35 mph	(46.94)	(1.47)	(9.74)	6.93	-	-	-	172.78	121.57
40 mph	(52.15)	(1.63)	(10.82)	7.70	-	-	-	158.38	101.48
45 mph	(41.72)	(1.30)	(8.66)	6.16	-	-	-	115.19	69.67
50 mph	(46.94)	(1.47)	(9.74)	6.93	-	-	-	57.59	6.38
55 mph	(26.08)	(0.81)	(5.41)	3.85	-	-	-	28.80	0.35
60 mph	(15.65)	(0.49)	(3.25)	2.31	-	-	-	2,015.80	1,998.73
65 mph	(5.22)	(0.16)	(1.08)	0.77	-	-	-	-	(5.69)
70 mph	(239.91)	(7.50)	(49.78)	35.43	-	-	-	-	(261.75)
total	(521.54)	(16.30)	(108.22)	77.02	-	-	-	2,879.71	2,310.68

Internal VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	4.96	4.96
15 mph	42.87	1.34	8.90	2.16	-	-	-	24.17	79.43
25 mph	-	-	-	-	-	-	-	105.75	105.75
35 mph	184.46	5.76	38.27	8.53	-	-	-	-	237.03
total	227.33	7.10	47.17	10.69	-	-	-	129.91	422.20

Total VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	4.96	4.96
10 mph	2.86	0.09	0.59	3.90	-	-	-	36.88	44.33
15 mph	40.89	1.28	8.48	4.18	-	-	-	36.46	91.29
20 mph	1.25	0.04	0.26	3.28	-	-	-	82.18	87.00
25 mph	21.88	0.68	4.54	14.07	-	-	-	341.76	382.93
30 mph	14.68	0.46	3.05	16.86	-	-	-	295.72	330.76
35 mph	166.60	5.21	34.57	26.74	-	-	-	228.10	461.21
40 mph	(42.46)	(1.33)	(8.81)	11.46	-	-	-	219.85	178.71
45 mph	(33.65)	(1.05)	(6.98)	9.29	-	-	-	164.36	131.98
50 mph	(38.86)	(1.21)	(8.06)	10.06	-	-	-	137.50	99.43
55 mph	(19.62)	(0.61)	(4.07)	6.36	-	-	-	47.24	29.30
60 mph	(2.72)	(0.09)	(0.56)	7.32	-	-	-	2,034.24	2,038.19
65 mph	(3.60)	(0.11)	(0.75)	1.40	-	-	-	-	(3.06)
70 mph	(239.91)	(7.50)	(49.78)	35.43	-	-	-	-	(261.75)
total	248.15	7.75	51.49	69.03	-	-	-	1,021.10	3,610.31

World Logistics Center
Mobile Emissions - 2023 (Net) -Unmitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	9163	330	0.21	1924.2	1864.2	17.6	42.4
	LDT1	15	676	330	0.21	142.0	140.6	0.1	1.3
	LDT2	15	3383	330	0.21	710.5	696.9	4.8	8.8
	MDT	15	1019	330	0.21	214.1	207.2	4.7	2.1
	LHDT1	15	896	330	0.21	188.1	109.7	78.4	0.0
	LHDT2	15	431	330	0.21	90.4	33.9	56.5	0.0
	MHDT	15	1371	330	0.21	287.9	50.0	237.9	0.0
	HHDT	15	2286	330	0.21	480.1	0.3	455.8	24.0
Travel at Light Logistics	LDA	15	66	175	0.11	7.2	7.0	0.1	0.2
	LDT1	15	5	175	0.11	0.5	0.5	0.0	0.0
	LDT2	15	24	175	0.11	2.7	2.6	0.0	0.0
	MDT	15	6	175	0.11	0.7	0.7	0.0	0.0
	LHDT1	15	4	175	0.11	0.4	0.2	0.2	0.0
	LHDT2	15	2	175	0.11	0.2	0.1	0.1	0.0
	MHDT	15	4	175	0.11	0.5	0.1	0.4	0.0
	HHDT	15	7	175	0.11	0.8	0.0	0.8	0.0
Travel at Utility	LDA	15	74	100	0.06	4.5	4.3	0.0	0.1
	LDT1	15	5	100	0.06	0.3	0.3	0.0	0.0
	LDT2	15	28	100	0.06	1.7	1.6	0.0	0.0
	MDT	15	16	100	0.06	1.0	0.9	0.0	0.0
	LHDT1	15	2	100	0.06	0.1	0.1	0.1	0.0
	LHDT2	15	1	100	0.06	0.1	0.0	0.0	0.0
	MHDT	15	5	100	0.06	0.3	0.0	0.2	0.0
	HHDT	15	8	100	0.06	0.5	0.0	0.4	0.0
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	48	50	0.03	1.5	0.3	1.2	0.0
	HHDT	15	81	50	0.03	2.4	0.0	2.3	0.1
Travel at Convenience Store	LDA	15	227	50	0.03	6.8	6.6	0.1	0.2
	LDT1	15	17	50	0.03	0.5	0.5	0.0	0.0
	LDT2	15	84	50	0.03	2.5	2.5	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	32	50	0.03	1.0	0.9	0.0	0.0
	LDT1	15	2	50	0.03	0.1	0.1	0.0	0.0
	LDT2	15	12	50	0.03	0.4	0.4	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1883.1	142.0	704.0	208.8	110.0	34.0	50.4	0.3
Diesel	17.8	0.1	4.8	4.8	78.6	56.6	239.8	459.3
Electric/Natural Gas (HHDT Only)	42.9	1.3	8.9	2.2	0.0	0.0	0.0	24.2

World Logistics Center
Mobile Emissions - 2023 (Net) -Unmitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	448	261	187	0	1305.4	933.5	0.0
	LHDT2	5	215	81	134	0	404.0	672.5	0.0
	MHDT	5	686	119	567	0	595.0	2832.7	0.0
	HHDT	5	1143	1	1085	57	4.0	5426.0	285.5
Travel at Light Logistics	LHDT1	5	2	1	1	0	5.2	3.7	0.0
	LHDT2	5	1	0	1	0	1.6	2.7	0.0
	MHDT	5	2	0	2	0	1.9	9.2	0.0
	HHDT	5	4	0	4	0	0.0	17.5	0.9
Travel at Utility	LHDT1	5	1	1	1	0	3.5	2.5	0.0
	LHDT2	5	1	0	0	0	1.1	1.8	0.0
	MHDT	5	2	0	2	0	2.0	9.5	0.0
	HHDT	5	4	0	4	0	0.0	18.3	1.0
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	24	4	20	0	21.0	99.9	0.0
	HHDT	5	40	0	38	2	0.1	191.3	10.1
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	21.9	6.8	10.3	0.1
Diesel	15.7	11.3	49.2	94.2
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	5.0

World Logistics Center
Mobile Emissions - 2023 (Net) -Unmitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					17.3976	17.5213	26.9244	18.1856
10 mph	0.0421	0.1114	0.0699	0.0963	0.1100	0.0820	0.2363	2.3439
15 mph	0.0284	0.0761	0.0473	0.0658	0.0757	0.0559	0.1570	1.5739
20 mph	0.0200	0.0549	0.0337	0.0472	0.0555	0.0402	0.1114	1.1244
25 mph	0.0148	0.0413	0.0250	0.0351	0.0422	0.0299	0.0812	0.8610
30 mph	0.0115	0.0327	0.0195	0.0274	0.0337	0.0235	0.0623	0.6911
35 mph	0.0093	0.0272	0.0160	0.0224	0.0284	0.0194	0.0505	0.5870
40 mph	0.0081	0.0238	0.0139	0.0196	0.0255	0.0172	0.0445	0.5177
45 mph	0.0075	0.0218	0.0128	0.0181	0.0238	0.0158	0.0402	0.4864
50 mph	0.0072	0.0212	0.0124	0.0176	0.0236	0.0155	0.0400	0.4711
55 mph	0.0073	0.0213	0.0124	0.0177	0.0242	0.0157	0.0400	0.4921
60 mph	0.0077	0.0221	0.0131	0.0190	0.0263	0.0171	0.0444	0.5187
65 mph	0.0085	0.0242	0.0143	0.0206	0.0303	0.0196		
70 mph	0.0087	0.0289	0.0150	0.0210	0.0308	0.0176		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.7579	2.4157
10 mph	0.1294	0.5282	0.1959	0.1229	0.5386	0.5472	0.5188	0.3717
15 mph	0.0686	0.3662	0.0977	0.0616	0.2879	0.2867	0.2713	0.2530
20 mph	0.0326	0.2666	0.0403	0.0260	0.1413	0.1384	0.1337	0.1681
25 mph	0.0217	0.2111	0.0251	0.0164	0.0971	0.0940	0.0983	0.1108
30 mph	0.0169	0.1767	0.0192	0.0127	0.0778	0.0748	0.0800	0.0881
35 mph	0.0137	0.1555	0.0155	0.0103	0.0662	0.0629	0.0658	0.0693
40 mph	0.0118	0.1420	0.0130	0.0087	0.0584	0.0552	0.0556	0.0573
45 mph	0.0107	0.1352	0.0113	0.0076	0.0535	0.0502	0.0486	0.0494
50 mph	0.0100	0.1352	0.0101	0.0069	0.0516	0.0480	0.0462	0.0460
55 mph	0.0096	0.1418	0.0093	0.0064	0.0508	0.0470	0.0464	0.0443
60 mph	0.0100	0.1542	0.0091	0.0064	0.0524	0.0484	0.0486	0.0483
65 mph	0.0105	0.1790	0.0095	0.0067	0.0610	0.0555		
70 mph	0.0101	0.2151	0.0113	0.0074	0.0899	0.0750		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.1009
10 mph								0.8890
15 mph								0.5453
20 mph								0.3410
25 mph								0.2523
30 mph								0.1941
35 mph								0.1502
40 mph								0.1174
45 mph								0.0933
50 mph								0.0761
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0330	0.0066	0.0204	0.0643	0.0318	0.0073	0.0400	0.0027	0.2062
15 mph	0.0089	0.0018	0.0055	0.0176	0.0088	0.0020	0.0089	0.0006	0.0540
20 mph	0.0125	0.0026	0.0079	0.0252	0.0128	0.0029	0.0126	0.0009	0.0775
25 mph	0.0463	0.0098	0.0293	0.0937	0.0488	0.0107	0.0505	0.0036	0.2926
30 mph	0.0395	0.0085	0.0251	0.0805	0.0429	0.0092	0.0352	0.0027	0.2435
35 mph	0.0263	0.0058	0.0168	0.0538	0.0296	0.0063	0.0128	0.0010	0.1525
40 mph	0.0076	0.0017	0.0049	0.0157	0.0088	0.0018	0.0126	0.0010	0.0542
45 mph	0.0058	0.0013	0.0037	0.0121	0.0069	0.0014	0.0091	0.0007	0.0411
50 mph	0.0056	0.0012	0.0036	0.0117	0.0068	0.0014	0.0147	0.0012	0.0463
55 mph	0.0046	0.0010	0.0029	0.0095	0.0056	0.0011	0.0034	0.0003	0.0284
60 mph	0.0096	0.0021	0.0061	0.0203	0.0122	0.0024	0.0038	0.0003	0.0568
65 mph	0.0013	0.0003	0.0008	0.0027	0.0018	0.0004	-	-	0.0073
70 mph	-	-	-	-	-	-	-	-	-
total	0.2011	0.0426	0.1272	0.4072	0.2168	0.0470	0.2035	0.0150	1.2603

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0213)	(0.0042)	(0.0132)	0.0158	0.0134	0.0031	-	-	(0.0065)
15 mph	(0.0143)	(0.0029)	(0.0089)	0.0108	0.0092	0.0021	-	-	(0.0041)
20 mph	(0.0101)	(0.0021)	(0.0064)	0.0078	0.0068	0.0015	0.0295	0.0020	0.0290
25 mph	(0.0149)	(0.0032)	(0.0094)	0.0115	0.0103	0.0023	0.0376	0.0027	0.0368
30 mph	(0.0232)	(0.0050)	(0.0147)	0.0180	0.0164	0.0035	0.0495	0.0037	0.0482
35 mph	(0.0425)	(0.0093)	(0.0272)	0.0331	0.0311	0.0066	0.0401	0.0032	0.0351
40 mph	(0.0410)	(0.0091)	(0.0263)	0.0321	0.0310	0.0065	0.0324	0.0026	0.0282
45 mph	(0.0302)	(0.0066)	(0.0193)	0.0237	0.0232	0.0048	0.0213	0.0017	0.0185
50 mph	(0.0328)	(0.0073)	(0.0210)	0.0260	0.0258	0.0052	0.0106	0.0008	0.0074
55 mph	(0.0184)	(0.0041)	(0.0118)	0.0146	0.0147	0.0030	0.0053	0.0004	0.0038
60 mph	(0.0117)	(0.0025)	(0.0074)	0.0093	0.0096	0.0019	0.4116	0.0326	0.4435
65 mph	(0.0043)	(0.0009)	(0.0027)	0.0034	0.0037	0.0007	-	-	(0.0001)
70 mph	(0.2031)	(0.0506)	(0.1304)	0.1584	0.1724	0.0305	-	-	(0.0227)
total	(0.4678)	(0.1077)	(0.2987)	0.3645	0.3675	0.0717	0.6379	0.0499	0.6171

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.8403	0.2619	0.6134	0.0041	1.7196
15 mph	0.1179	0.0238	0.0735	0.0303	0.0184	0.0042	0.0174	0.0012	0.2866
25 mph	-	-	-	-	0.0194	0.0043	0.0395	0.0028	0.0660
35 mph	0.1669	0.0367	0.1067	0.0407	-	-	-	-	0.3510
total	0.2847	0.0605	0.1802	0.0710	0.8780	0.2703	0.6703	0.0081	2.4232

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.8403	0.2619	0.6134	0.0041	1.7196
10 mph	0.0117	0.0023	0.0072	0.0801	0.0452	0.0104	0.0400	0.0027	0.1998
15 mph	0.1124	0.0227	0.0701	0.0587	0.0363	0.0083	0.0263	0.0018	0.3366
20 mph	0.0024	0.0005	0.0015	0.0330	0.0196	0.0044	0.0421	0.0029	0.1064
25 mph	0.0313	0.0066	0.0198	0.1052	0.0785	0.0172	0.1275	0.0092	0.3954
30 mph	0.0163	0.0035	0.0104	0.0985	0.0593	0.0128	0.0846	0.0064	0.2918
35 mph	0.1507	0.0331	0.0964	0.1277	0.0607	0.0128	0.0530	0.0042	0.5386
40 mph	(0.0334)	(0.0074)	(0.0214)	0.0478	0.0398	0.0083	0.0450	0.0036	0.0823
45 mph	(0.0243)	(0.0054)	(0.0156)	0.0358	0.0300	0.0062	0.0304	0.0025	0.0596
50 mph	(0.0272)	(0.0060)	(0.0174)	0.0377	0.0327	0.0066	0.0253	0.0020	0.0537
55 mph	(0.0138)	(0.0030)	(0.0088)	0.0240	0.0203	0.0041	0.0087	0.0007	0.0321
60 mph	(0.0020)	(0.0004)	(0.0013)	0.0296	0.0218	0.0044	0.4154	0.0329	0.5003
65 mph	(0.0030)	(0.0006)	(0.0019)	0.0061	0.0054	0.0011	-	-	0.0072
70 mph	(0.2031)	(0.0506)	(0.1304)	0.1584	0.1724	0.0305	-	-	(0.0227)
total	0.0180	(0.0047)	0.0086	0.8427	1.4623	0.3890	1.5116	0.0729	4.3006

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0010	0.0000	0.0004	0.0019	0.1115	0.0816	0.4186	0.5744	1.1893
15 mph	0.0002	0.0000	0.0001	0.0004	0.0238	0.0171	0.0730	0.1304	0.2449
20 mph	0.0002	0.0000	0.0001	0.0003	0.0234	0.0165	0.0719	0.1732	0.2856
25 mph	0.0006	0.0000	0.0002	0.0010	0.0804	0.0560	0.2907	0.6280	1.0571
30 mph	0.0005	0.0000	0.0002	0.0009	0.0709	0.0491	0.2153	0.4540	0.7908
35 mph	0.0004	0.0000	0.0001	0.0006	0.0493	0.0338	0.0796	0.1606	0.3244
40 mph	0.0001	0.0000	0.0000	0.0002	0.0145	0.0099	0.0748	0.1476	0.2471
45 mph	0.0001	0.0000	0.0000	0.0001	0.0111	0.0075	0.0523	0.1017	0.1728
50 mph	0.0001	0.0000	0.0000	0.0001	0.0107	0.0072	0.0807	0.1541	0.2529
55 mph	0.0001	0.0000	0.0000	0.0001	0.0084	0.0056	0.0187	0.0343	0.0672
60 mph	0.0001	0.0000	0.0000	0.0002	0.0174	0.0116	0.0196	0.0374	0.0862
65 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0017	-	-	0.0042
70 mph	-	-	-	-	-	-	-	-	-
total	0.0033	0.0001	0.0011	0.0056	0.4238	0.2974	1.3953	2.5958	4.7224

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0006)	(0.0000)	(0.0003)	0.0005	0.0468	0.0343	-	-	0.0807
15 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0250	0.0180	-	-	0.0428
20 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0123	0.0087	0.1685	0.4058	0.5951
25 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0169	0.0118	0.2167	0.4681	0.7133
30 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0271	0.0187	0.3026	0.6382	0.9863
35 mph	(0.0006)	(0.0000)	(0.0002)	0.0003	0.0518	0.0355	0.2487	0.5017	0.8372
40 mph	(0.0006)	(0.0000)	(0.0002)	0.0003	0.0508	0.0346	0.1927	0.3804	0.6581
45 mph	(0.0004)	(0.0000)	(0.0001)	0.0002	0.0372	0.0252	0.1225	0.2382	0.4228
50 mph	(0.0004)	(0.0000)	(0.0001)	0.0002	0.0404	0.0270	0.0582	0.1111	0.2364
55 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0221	0.0147	0.0292	0.0535	0.1194
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0137	0.0091	2.1442	4.0830	6.2499
65 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0053	0.0035	-	-	0.0087
70 mph	(0.0022)	(0.0002)	(0.0007)	0.0013	0.3596	0.2162	-	-	0.5740
total	(0.0062)	(0.0003)	(0.0020)	0.0037	0.7090	0.4572	3.4833	6.8800	11.5248

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1096	0.0789	0.0822	0.5019	0.7726
15 mph	0.0027	0.0001	0.0010	0.0006	0.0499	0.0358	0.1435	0.2563	0.4899
25 mph	-	-	-	-	0.0320	0.0223	0.2273	0.4911	0.7727
35 mph	0.0023	0.0001	0.0007	0.0004	-	-	-	-	0.0035
total	0.0050	0.0002	0.0017	0.0011	0.1915	0.1370	0.4530	1.2492	2.0388

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1096	0.0789	0.0822	0.5019	0.7726
10 mph	0.0003	0.0000	0.0001	0.0023	0.1583	0.1159	0.4186	0.5744	1.2700
15 mph	0.0026	0.0001	0.0010	0.0013	0.0988	0.0709	0.2164	0.3866	0.7776
20 mph	0.0000	0.0000	0.0000	0.0004	0.0357	0.0252	0.2404	0.5790	0.8807
25 mph	0.0004	0.0000	0.0001	0.0011	0.1293	0.0901	0.7347	1.5872	2.5431
30 mph	0.0002	0.0000	0.0001	0.0010	0.0979	0.0678	0.5179	1.0922	1.7772
35 mph	0.0021	0.0001	0.0006	0.0013	0.1011	0.0693	0.3283	0.6623	1.1652
40 mph	(0.0005)	(0.0000)	(0.0001)	0.0005	0.0653	0.0445	0.2675	0.5280	0.9052
45 mph	(0.0003)	(0.0000)	(0.0001)	0.0003	0.0483	0.0326	0.1748	0.3400	0.5956
50 mph	(0.0004)	(0.0000)	(0.0001)	0.0003	0.0511	0.0342	0.1389	0.2652	0.4893
55 mph	(0.0002)	(0.0000)	(0.0000)	0.0002	0.0305	0.0203	0.0480	0.0878	0.1865
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0002	0.0310	0.0207	2.1639	4.1203	6.3361
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0078	0.0051	-	-	0.0130
70 mph	(0.0022)	(0.0002)	(0.0007)	0.0013	0.3596	0.2162	-	-	0.5740
total	0.0021	(0.0001)	0.0009	0.0104	1.3244	0.8916	5.3316	10.7251	18.2860

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0723	0.0723
15 mph								0.0148	0.0148
20 mph								0.0185	0.0185
25 mph								0.0752	0.0752
30 mph								0.0526	0.0526
35 mph								0.0183	0.0183
40 mph								0.0159	0.0159
45 mph								0.0101	0.0101
50 mph								0.0134	0.0134
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.2912	0.2912

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0433	0.0433
25 mph								0.0561	0.0561
30 mph								0.0739	0.0739
35 mph								0.0572	0.0572
40 mph								0.0410	0.0410
45 mph								0.0237	0.0237
50 mph								0.0097	0.0097
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.2306	0.2306

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0011	0.0011
15 mph								0.0291	0.0291
25 mph								0.0588	0.0588
35 mph								-	-
total	-	-	-	-	-	-	-	0.0890	0.0890

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0011	0.0011
10 mph								0.0723	0.0723
15 mph								0.0438	0.0438
20 mph								0.0618	0.0618
25 mph								0.1902	0.1902
30 mph								0.1266	0.1266
35 mph								0.0755	0.0755
40 mph								0.0569	0.0569
45 mph								0.0338	0.0338
50 mph								0.0231	0.0231
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.6851	0.6851

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3133	0.8941	0.5318	0.5827	0.9157	0.8106	0.4885	0.9919
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS HOTSOAK Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.4286	0.0922	0.2720	1.1340	0.6452	0.1768	0.1743	0.0024
Electric/NG	-	-	-	-	-	-	-	-
Total	**0.4286**	**0.0922**	**0.2720**	**1.1340**	**0.6452**	**0.1768**	**0.1743**	**0.0024**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.4797	1.0888	0.7026	0.8307	0.0896	0.0808	0.0656	0.1326
Electric/NG	0.0313	0.0311	0.0313	0.0313	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3281	0.0562	0.1797	0.8083	0.0315	0.0088	0.0117	0.0002
Electric/NG	0.0005	0.0000	0.0001	0.0003	-	-	-	-
Total	0.3286	0.0562	0.1798	0.8086	0.0315	0.0088	0.0117	0.0002

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2192	0.3492	0.3050	0.3877	0.1172	0.1155	0.2024	0.0014
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2999	0.0360	0.1560	0.7545	0.0825	0.0252	0.0722	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.2999	0.0360	0.1560	0.7545	0.0825	0.0252	0.0722	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.9498	0.3408	0.6956	0.5071	2.4933
10 mph	0.0120	0.0023	0.0074	0.0825	0.2035	0.1263	0.4586	0.6494	1.5420
15 mph	0.1150	0.0228	0.0711	0.0600	0.1351	0.0792	0.2427	0.4322	1.1580
20 mph	0.0025	0.0005	0.0015	0.0334	0.0553	0.0296	0.2824	0.6437	1.0489
25 mph	0.0318	0.0066	0.0200	0.1064	0.2078	0.1073	0.8622	1.7866	3.1286
30 mph	0.0165	0.0035	0.0104	0.0995	0.1572	0.0806	0.6025	1.2252	2.1955
35 mph	0.1528	0.0332	0.0970	0.1290	0.1618	0.0821	0.3813	0.7421	1.7793
40 mph	(0.0339)	(0.0074)	(0.0215)	0.0483	0.1052	0.0528	0.3125	0.5885	1.0444
45 mph	(0.0247)	(0.0054)	(0.0157)	0.0361	0.0784	0.0388	0.2052	0.3763	0.6890
50 mph	(0.0275)	(0.0060)	(0.0175)	0.0380	0.0837	0.0408	0.1642	0.2903	0.5661
55 mph	(0.0140)	(0.0031)	(0.0089)	0.0242	0.0508	0.0244	0.0567	0.0885	0.2187
60 mph	(0.0021)	(0.0004)	(0.0013)	0.0298	0.0528	0.0250	2.5792	4.1533	6.8364
65 mph	(0.0030)	(0.0006)	(0.0019)	0.0062	0.0133	0.0062	-	-	0.0202
70 mph	(0.2053)	(0.0507)	(0.1311)	0.1596	0.5319	0.2467	-	-	0.5512
RL+HS	0.4286	0.0922	0.2720	1.1340	0.6452	0.1768	0.1743	0.0024	2.9254
RL+DIURN	0.3286	0.0562	0.1798	0.8086	0.0315	0.0088	0.0117	0.0002	1.4254
STREX	0.2999	0.0360	0.1560	0.7545	0.0825	0.0252	0.0722	0.0000	1.4263
total	1.0772	0.1797	0.6173	3.5502	3.5459	1.4914	7.1014	11.4856	**29.0487**

World Logistics Center
Mobile Emissions - 2023 (Net) -Unmitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.5181	1.5284	2.3938	33.2735
10 mph	0.0621	0.1823	0.1307	0.1635	0.2619	0.2824	0.6392	6.0473
15 mph	0.0546	0.1561	0.1135	0.1428	0.2332	0.2502	0.5621	5.3980
20 mph	0.0489	0.1377	0.1009	0.1278	0.2151	0.2280	0.5084	4.9689
25 mph	0.0443	0.1235	0.0906	0.1153	0.2000	0.2085	0.4558	4.6877
30 mph	0.0409	0.1137	0.0832	0.1064	0.1896	0.1946	0.4153	4.4810
35 mph	0.0383	0.1071	0.0777	0.0997	0.1828	0.1843	0.3853	4.3619
40 mph	0.0365	0.1029	0.0743	0.0957	0.1781	0.1777	0.3714	4.2582
45 mph	0.0354	0.1005	0.0722	0.0935	0.1749	0.1725	0.3539	4.2238
50 mph	0.0351	0.1019	0.0722	0.0937	0.1768	0.1717	0.3581	4.2301
55 mph	0.0356	0.1054	0.0737	0.0957	0.1803	0.1735	0.3555	4.3471
60 mph	0.0373	0.1128	0.0781	0.1016	0.1885	0.1823	0.3802	4.4639
65 mph	0.0388	0.1216	0.0819	0.1063	0.1988	0.1913		
70 mph	0.0391	0.1406	0.0841	0.1099	0.2191	0.1866		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					54.9752	55.2188	48.4446	31.8866
10 mph	0.1233	0.7926	0.1326	0.1050	1.2645	1.1787	6.3806	13.1254
15 mph	0.0989	0.8159	0.0931	0.0768	1.1671	1.0873	4.5355	8.5885
20 mph	0.0823	0.8448	0.0661	0.0580	1.1637	1.0748	3.5974	6.2851
25 mph	0.0748	0.8772	0.0538	0.0503	1.2013	1.0952	2.9652	5.2865
30 mph	0.0712	0.9121	0.0476	0.0469	1.2614	1.1390	2.4320	4.2106
35 mph	0.0688	0.9477	0.0438	0.0454	1.3494	1.2005	2.0075	3.5145
40 mph	0.0685	0.9862	0.0413	0.0443	1.4238	1.2581	1.6971	2.8489
45 mph	0.0691	1.0265	0.0394	0.0435	1.4868	1.3077	1.4865	2.4239
50 mph	0.0705	1.0664	0.0388	0.0438	1.5798	1.3847	1.4123	2.1509
55 mph	0.0710	1.1115	0.0380	0.0439	1.6262	1.4253	1.4304	2.1883
60 mph	0.0736	1.1529	0.0379	0.0443	1.6482	1.4523	1.5607	2.4316
65 mph	0.0735	1.1910	0.0388	0.0464	1.8309	1.5936		
70 mph	0.0739	1.2109	0.0494	0.0561	2.7974	2.2363		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								36.9185
10 mph								5.1980
15 mph								3.8950
20 mph								3.0789
25 mph								2.6973
30 mph								2.4697
35 mph								2.2982
40 mph								2.1671
45 mph								2.0682
50 mph								1.9965
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0486	0.0108	0.0382	0.1092	0.0758	0.0253	0.1083	0.0070	0.4232
15 mph	0.0171	0.0037	0.0133	0.0382	0.0270	0.0090	0.0318	0.0021	0.1420
20 mph	0.0306	0.0065	0.0236	0.0683	0.0498	0.0163	0.0574	0.0038	0.2564
25 mph	0.1386	0.0291	0.1060	0.3082	0.2315	0.0747	0.2832	0.0198	1.1912
30 mph	0.1407	0.0295	0.1070	0.3127	0.2414	0.0767	0.2346	0.0172	1.1598
35 mph	0.1078	0.0227	0.0818	0.2399	0.1904	0.0594	0.0980	0.0075	0.8075
40 mph	0.0343	0.0073	0.0261	0.0768	0.0619	0.0191	0.1049	0.0082	0.3384
45 mph	0.0277	0.0059	0.0211	0.0625	0.0506	0.0154	0.0800	0.0065	0.2698
50 mph	0.0275	0.0060	0.0211	0.0626	0.0512	0.0154	0.1315	0.0105	0.3258
55 mph	0.0223	0.0050	0.0172	0.0511	0.0417	0.0124	0.0301	0.0025	0.1824
60 mph	0.0467	0.0107	0.0365	0.1086	0.0873	0.0261	0.0322	0.0026	0.3507
65 mph	0.0061	0.0014	0.0048	0.0142	0.0115	0.0034	-	-	0.0414
70 mph	-	-	-	-	-	-	-	-	-
total	0.6479	0.1386	0.4969	1.4524	1.1201	0.3533	1.1921	0.0876	5.4888

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0314)	(0.0069)	(0.0247)	0.0269	0.0319	0.0106	-	-	0.0064
15 mph	(0.0276)	(0.0059)	(0.0214)	0.0235	0.0284	0.0094	-	-	0.0063
20 mph	(0.0247)	(0.0052)	(0.0191)	0.0210	0.0262	0.0086	0.1346	0.0089	0.1502
25 mph	(0.0447)	(0.0094)	(0.0342)	0.0379	0.0487	0.0157	0.2111	0.0147	0.2397
30 mph	(0.0826)	(0.0173)	(0.0628)	0.0699	0.0922	0.0293	0.3298	0.0242	0.3827
35 mph	(0.1740)	(0.0367)	(0.1321)	0.1475	0.2001	0.0624	0.3059	0.0235	0.3968
40 mph	(0.1845)	(0.0392)	(0.1403)	0.1573	0.2166	0.0669	0.2703	0.0210	0.3682
45 mph	(0.1432)	(0.0306)	(0.1091)	0.1229	0.1702	0.0519	0.1873	0.0152	0.2645
50 mph	(0.1597)	(0.0349)	(0.1227)	0.1386	0.1936	0.0582	0.0948	0.0076	0.1753
55 mph	(0.0899)	(0.0201)	(0.0696)	0.0786	0.1096	0.0326	0.0470	0.0039	0.0923
60 mph	(0.0566)	(0.0129)	(0.0442)	0.0501	0.0688	0.0206	3.5222	0.2808	3.8287
65 mph	(0.0196)	(0.0046)	(0.0155)	0.0175	0.0242	0.0072	-	-	0.0092
70 mph	(0.9075)	(0.2463)	(0.7304)	0.8305	1.2256	0.3231	-	-	0.4950
total	(1.9460)	(0.4703)	(1.5260)	1.7221	2.4359	0.6966	5.1031	0.3999	6.4153

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0733	0.0228	0.0545	0.0075	0.1582
15 mph	0.2267	0.0489	0.1762	0.0658	0.0565	0.0188	0.0624	0.0041	0.6593
25 mph	-	-	-	-	0.0921	0.0297	0.2215	0.0155	0.3588
35 mph	0.6836	0.1443	0.5189	0.1816	-	-	-	-	1.5283
total	0.9103	0.1931	0.6951	0.2473	0.2220	0.0713	0.3384	0.0270	2.7046

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0733	0.0228	0.0545	0.0075	0.1582
10 mph	0.0172	0.0038	0.0135	0.1361	0.1076	0.0359	0.1083	0.0070	0.4295
15 mph	0.2162	0.0466	0.1680	0.1274	0.1119	0.0372	0.0942	0.0061	0.8076
20 mph	0.0059	0.0013	0.0046	0.0893	0.0760	0.0249	0.1920	0.0127	0.4067
25 mph	0.0939	0.0197	0.0718	0.3461	0.3723	0.1201	0.7158	0.0500	1.7897
30 mph	0.0581	0.0122	0.0442	0.3827	0.3336	0.1060	0.5644	0.0414	1.5425
35 mph	0.6174	0.1303	0.4687	0.5690	0.3905	0.1219	0.4039	0.0311	2.7326
40 mph	(0.1502)	(0.0319)	(0.1142)	0.2341	0.2785	0.0860	0.3752	0.0292	0.7067
45 mph	(0.1155)	(0.0247)	(0.0880)	0.1853	0.2208	0.0674	0.2673	0.0217	0.5343
50 mph	(0.1322)	(0.0289)	(0.1016)	0.2012	0.2447	0.0735	0.2263	0.0182	0.5012
55 mph	(0.0676)	(0.0151)	(0.0524)	0.1297	0.1514	0.0451	0.0772	0.0064	0.2747
60 mph	(0.0098)	(0.0022)	(0.0077)	0.1587	0.1561	0.0467	3.5544	0.2834	4.1795
65 mph	(0.0135)	(0.0032)	(0.0107)	0.0317	0.0357	0.0106	-	-	0.0506
70 mph	(0.9075)	(0.2463)	(0.7304)	0.8305	1.2256	0.3231	-	-	0.4950
total	(0.3878)	(0.1385)	(0.3341)	3.4218	3.7780	1.1212	6.6336	0.5146	14.6087

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0009	0.0000	0.0003	0.0016	0.2617	0.1757	5.1485	20.2865	25.8751
15 mph	0.0003	0.0000	0.0001	0.0005	0.0966	0.0648	1.2199	4.4247	5.8069
20 mph	0.0005	0.0000	0.0001	0.0007	0.1926	0.1282	1.9351	6.4761	8.7333
25 mph	0.0022	0.0001	0.0004	0.0031	0.9944	0.6530	8.7729	29.9592	40.3854
30 mph	0.0023	0.0001	0.0004	0.0031	1.1486	0.7471	6.5413	21.6930	30.1358
35 mph	0.0018	0.0001	0.0003	0.0025	1.0052	0.6442	2.4297	8.1479	12.2318
40 mph	0.0006	0.0000	0.0001	0.0008	0.3536	0.2250	2.2824	7.3387	10.2013
45 mph	0.0005	0.0000	0.0001	0.0007	0.3077	0.1949	1.5992	4.9951	7.0982
50 mph	0.0005	0.0000	0.0001	0.0007	0.3269	0.2064	2.4691	7.2028	10.2065
55 mph	0.0004	0.0000	0.0001	0.0005	0.2692	0.1700	0.5771	1.6911	2.7085
60 mph	0.0009	0.0001	0.0001	0.0011	0.5457	0.3464	0.6297	1.8791	3.4030
65 mph	0.0001	0.0000	0.0000	0.0001	0.0758	0.0475	-	-	0.1236
70 mph	-	-	-	-	-	-	-	-	-
total	0.0111	0.0005	0.0021	0.0154	5.5780	3.6033	33.6049	114.0942	156.9094

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0006)	(0.0000)	(0.0002)	0.0004	0.1100	0.0738	-	-	0.1834
15 mph	(0.0005)	(0.0000)	(0.0001)	0.0003	0.1015	0.0681	-	-	0.1693
20 mph	(0.0004)	(0.0000)	(0.0001)	0.0002	0.1012	0.0673	4.5331	15.1702	19.8715
25 mph	(0.0007)	(0.0000)	(0.0001)	0.0004	0.2090	0.1372	6.5388	22.3298	29.2144
30 mph	(0.0014)	(0.0001)	(0.0002)	0.0007	0.4388	0.2854	9.1938	30.4895	40.4065
35 mph	(0.0030)	(0.0002)	(0.0005)	0.0015	1.0563	0.6769	7.5889	25.4487	34.7686
40 mph	(0.0033)	(0.0002)	(0.0005)	0.0017	1.2384	0.7882	5.8811	18.9101	26.8154
45 mph	(0.0026)	(0.0001)	(0.0004)	0.0013	1.0345	0.6554	3.7462	11.7010	17.1352
50 mph	(0.0030)	(0.0002)	(0.0005)	0.0015	1.2366	0.7808	1.7796	5.1915	8.9864
55 mph	(0.0017)	(0.0001)	(0.0002)	0.0008	0.7072	0.4465	0.9012	2.6410	4.6947
60 mph	(0.0011)	(0.0001)	(0.0001)	0.0005	0.4301	0.2730	68.8328	205.4156	274.9507
65 mph	(0.0004)	(0.0000)	(0.0001)	0.0002	0.1592	0.0998	-	-	0.2588
70 mph	(0.0162)	(0.0010)	(0.0029)	0.0097	11.1921	6.4450	-	-	17.6266
total	(0.0347)	(0.0020)	(0.0060)	0.0191	18.0149	10.7976	108.9954	337.2972	475.0816

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.8987	1.3738	5.2543	6.6245	15.1513
15 mph	0.0039	0.0001	0.0010	0.0008	0.2024	0.1358	2.3980	8.6978	11.4398
25 mph	-	-	-	-	0.3956	0.2598	6.8604	23.4279	30.9438
35 mph	0.0116	0.0006	0.0020	0.0019	-	-	-	-	0.0161
total	0.0155	0.0007	0.0030	0.0027	2.4968	1.7694	14.5126	38.7502	57.5509

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.8987	1.3738	5.2543	6.6245	15.1513
10 mph	0.0003	0.0000	0.0001	0.0020	0.3717	0.2496	5.1485	20.2865	26.0586
15 mph	0.0037	0.0001	0.0009	0.0016	0.4005	0.2688	3.6179	13.1226	17.4160
20 mph	0.0001	0.0000	0.0000	0.0009	0.2939	0.1955	6.4682	21.6462	28.6048
25 mph	0.0015	0.0001	0.0003	0.0034	1.5990	1.0501	22.1721	75.7170	100.5435
30 mph	0.0010	0.0000	0.0002	0.0038	1.5874	1.0325	15.7350	52.1824	70.5424
35 mph	0.0105	0.0006	0.0018	0.0059	2.0615	1.3211	10.0186	33.5966	47.0166
40 mph	(0.0027)	(0.0001)	(0.0004)	0.0025	1.5920	1.0133	8.1634	26.2488	37.0167
45 mph	(0.0021)	(0.0001)	(0.0003)	0.0020	1.3422	0.8504	5.3454	16.6961	24.2334
50 mph	(0.0025)	(0.0001)	(0.0004)	0.0021	1.5635	0.9872	4.2487	12.3943	19.1929
55 mph	(0.0013)	(0.0001)	(0.0002)	0.0014	0.9764	0.6165	1.4783	4.3321	7.4031
60 mph	(0.0002)	(0.0000)	(0.0000)	0.0016	0.9758	0.6194	69.4625	207.2947	278.3536
65 mph	(0.0002)	(0.0000)	(0.0000)	0.0003	0.2350	0.1474	-	-	0.3824
70 mph	(0.0162)	(0.0010)	(0.0029)	0.0097	11.1921	6.4450	-	-	17.6266
total	(0.0081)	(0.0007)	(0.0010)	0.0371	26.0897	16.1703	157.1129	490.1417	689.5418

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.4227	0.4227
15 mph								0.1056	0.1056
20 mph								0.1669	0.1669
25 mph								0.8043	0.8043
30 mph								0.6695	0.6695
35 mph								0.2803	0.2803
40 mph								0.2937	0.2937
45 mph								0.2242	0.2242
50 mph								0.3518	0.3518
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.3190	3.3190

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.3910	0.3910
25 mph								0.5995	0.5995
30 mph								0.9409	0.9409
35 mph								0.8756	0.8756
40 mph								0.7568	0.7568
45 mph								0.5253	0.5253
50 mph								0.2535	0.2535
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.8070	2.8070

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.4035	0.4035
15 mph								0.2075	0.2075
25 mph								0.6289	0.6289
35 mph								-	-
total	-	-	-	-	-	-	-	1.2400	1.2400

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.4035	0.4035
10 mph								0.4227	0.4227
15 mph								0.3131	0.3131
20 mph								0.5579	0.5579
25 mph								2.0327	2.0327
30 mph								1.6104	1.6104
35 mph								1.1559	1.1559
40 mph								1.0506	1.0506
45 mph								0.7495	0.7495
50 mph								0.6053	0.6053
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	8.9017	8.9017

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.9720	1.3966	5.3088	7.0355	15.7130
10 mph	0.0175	0.0038	0.0136	0.1381	0.4793	0.2855	5.2568	20.7161	26.9108
15 mph	0.2199	0.0467	0.1690	0.1290	0.5124	0.3059	3.7120	13.4418	18.5367
20 mph	0.0060	0.0013	0.0046	0.0902	0.3698	0.2204	6.6602	22.2169	29.5694
25 mph	0.0953	0.0198	0.0721	0.3496	1.9714	1.1702	22.8879	77.7996	104.3659
30 mph	0.0590	0.0122	0.0444	0.3865	1.9210	1.1385	16.2995	53.8342	73.6953
35 mph	0.6279	0.1308	0.4705	0.5749	2.4520	1.4430	10.4225	34.7835	50.9051
40 mph	(0.1529)	(0.0321)	(0.1146)	0.2366	1.8705	1.0992	8.5387	27.3286	38.7739
45 mph	(0.1176)	(0.0248)	(0.0883)	0.1873	1.5630	0.9178	5.6127	17.4673	25.5172
50 mph	(0.1347)	(0.0291)	(0.1019)	0.2033	1.8083	1.0607	4.4750	13.0178	20.2994
55 mph	(0.0689)	(0.0152)	(0.0525)	0.1311	1.1278	0.6615	1.5555	4.3385	7.6778
60 mph	(0.0100)	(0.0023)	(0.0077)	0.1603	1.1318	0.6661	73.0169	207.5781	282.5331
65 mph	(0.0138)	(0.0032)	(0.0107)	0.0320	0.2707	0.1580	-	-	0.4330
70 mph	(0.9237)	(0.2473)	(0.7333)	0.8402	12.4177	6.7681	-	-	18.1216
STREX	0.2471	0.0262	0.1415	0.6554	0.3474	0.1098	3.2289	6.9839	11.7401
total	(0.1489)	(0.1130)	(0.1936)	4.1143	30.2151	17.4012	166.9755	506.5418	**724.7923**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1806	0.2540	0.2766	0.3367	0.4931	0.5034	0.3520	0.5250
Diesel	-	-	-	-	-	-	1.8270	2.1461
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2471	0.0262	0.1415	0.6554	0.3474	0.1098	0.1256	0.0013
Diesel	-	-	-	-	-	-	3.1033	6.9826
Electric/NG	-	-	-	-	-	-	-	-
Total	0.2471	0.0262	0.1415	0.6554	0.3474	0.1098	3.2289	6.9839

World Logistics Center
Mobile Emissions - 2023 (Net) -Unmitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					154.0740	154.3707	385.0537	373.0381
10 mph	1.1303	2.2998	1.6001	1.9237	1.5342	1.0492	2.6865	64.6263
15 mph	1.0279	2.0392	1.4420	1.7095	1.2349	0.8907	2.3495	55.8555
20 mph	0.9375	1.8307	1.3081	1.5351	1.0446	0.7787	2.1148	49.4763
25 mph	0.8555	1.6534	1.1872	1.3809	0.8992	0.6811	1.8723	44.5870
30 mph	0.7830	1.5057	1.0827	1.2536	0.7977	0.6084	1.6710	40.5878
35 mph	0.7190	1.3848	0.9920	1.1460	0.7302	0.5531	1.5086	37.4421
40 mph	0.6668	1.2873	0.9203	1.0647	0.6924	0.5193	1.4151	34.9912
45 mph	0.6224	1.2033	0.8591	0.9988	0.6702	0.4911	1.2999	33.1220
50 mph	0.5822	1.1427	0.8070	0.9467	0.6767	0.4780	1.2643	31.6667
55 mph	0.5426	1.0804	0.7551	0.8970	0.6982	0.4693	1.1851	30.9679
60 mph	0.5003	1.0133	0.7004	0.8560	0.7583	0.4868	1.1948	30.7199
65 mph	0.4641	0.9696	0.6547	0.8170	0.8761	0.5291		
70 mph	0.4422	1.0328	0.6342	0.7769	0.8775	0.4411		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	19.9568	33.1844
10 mph	2.3307	2.7546	1.7203	2.4388	2.1067	2.1383	1.1312	1.7676
15 mph	1.1651	1.8800	0.8482	1.1980	1.1422	1.1463	0.7009	1.1363
20 mph	0.4847	1.3465	0.3386	0.4780	0.5882	0.5767	0.4739	0.8261
25 mph	0.3046	1.0882	0.2072	0.2936	0.4210	0.4064	0.3771	0.6111
30 mph	0.2354	0.9431	0.1581	0.2253	0.3500	0.3348	0.3150	0.4874
35 mph	0.1916	0.8635	0.1273	0.1825	0.3114	0.2940	0.2654	0.3806
40 mph	0.1632	0.8307	0.1066	0.1531	0.2896	0.2706	0.2288	0.3066
45 mph	0.1446	0.8404	0.0922	0.1322	0.2815	0.2604	0.2024	0.2529
50 mph	0.1331	0.8964	0.0824	0.1181	0.2914	0.2669	0.1912	0.2244
55 mph	0.1264	1.0115	0.0755	0.1083	0.3109	0.2825	0.1889	0.2047
60 mph	0.1309	1.1939	0.0746	0.1068	0.3487	0.3162	0.1951	0.2204
65 mph	0.1418	1.5017	0.0789	0.1138	0.4495	0.4012		
70 mph	0.1457	1.7988	0.0922	0.1277	0.7349	0.6062		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								32.0438
10 mph								33.6516
15 mph								23.6869
20 mph								17.1272
25 mph								12.5573
30 mph								9.2623
35 mph								6.8341
40 mph								5.0450
45 mph								3.7271
50 mph								2.7566
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.8843	0.1357	0.4680	1.2853	0.4440	0.0940	0.4553	0.0744	3.8408
15 mph	0.3217	0.0481	0.1687	0.4569	0.1429	0.0319	0.1327	0.0214	1.3244
20 mph	0.5867	0.0864	0.3061	0.8205	0.2418	0.0558	0.2389	0.0380	2.3742
25 mph	2.6771	0.3902	1.3888	3.6904	1.0408	0.2440	1.1635	0.1882	10.7829
30 mph	2.6954	0.3908	1.3933	3.6853	1.0157	0.2397	0.9440	0.1557	10.5200
35 mph	2.0249	0.2941	1.0445	2.7565	0.7607	0.1783	0.3835	0.0646	7.5072
40 mph	0.6260	0.0911	0.3230	0.8536	0.2404	0.0558	0.3997	0.0671	2.6568
45 mph	0.4869	0.0710	0.2513	0.6673	0.1939	0.0440	0.2937	0.0508	2.0589
50 mph	0.4554	0.0674	0.2360	0.6325	0.1958	0.0428	0.4643	0.0790	2.1733
55 mph	0.3396	0.0510	0.1767	0.4795	0.1616	0.0336	0.1004	0.0178	1.3602
60 mph	0.6262	0.0956	0.3278	0.9151	0.3511	0.0697	0.1012	0.0177	2.5045
65 mph	0.0726	0.0114	0.0383	0.1092	0.0507	0.0095	-	-	0.2917
70 mph	-	-	-	-	-	-	-	-	-
total	11.7968	1.7329	6.1223	16.3521	4.8395	1.0992	4.6774	0.7747	47.3950

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.5709)	(0.0876)	(0.3022)	0.3161	0.1866	0.0395	-	-	(0.4185)
15 mph	(0.5192)	(0.0777)	(0.2723)	0.2809	0.1502	0.0335	-	-	(0.4046)
20 mph	(0.4736)	(0.0697)	(0.2470)	0.2522	0.1271	0.0293	0.5597	0.0889	0.2670
25 mph	(0.8643)	(0.1260)	(0.4484)	0.4538	0.2187	0.0513	0.8672	0.1403	0.2927
30 mph	(1.5821)	(0.2294)	(0.8178)	0.8239	0.3881	0.0916	1.3268	0.2189	0.2199
35 mph	(3.2686)	(0.4748)	(1.6859)	1.6947	0.7993	0.1874	1.1979	0.2019	(1.3481)
40 mph	(3.3682)	(0.4904)	(1.7379)	1.7494	0.8422	0.1955	1.0299	0.1730	(1.6065)
45 mph	(2.5150)	(0.3667)	(1.2979)	1.3129	0.6521	0.1479	0.6881	0.1191	(1.2596)
50 mph	(2.6466)	(0.3917)	(1.3715)	1.4000	0.7407	0.1619	0.3346	0.0569	(1.7157)
55 mph	(1.3703)	(0.2058)	(0.7129)	0.7370	0.4246	0.0883	0.1568	0.0278	(0.8545)
60 mph	(0.7581)	(0.1158)	(0.3968)	0.4220	0.2767	0.0550	11.0678	1.9326	12.4833
65 mph	(0.2344)	(0.0369)	(0.1236)	0.1342	0.1066	0.0199	-	-	(0.1343)
70 mph	(10.2754)	(1.8097)	(5.5087)	5.8722	4.9094	0.7636	-	-	(6.0485)
total	(28.4467)	(4.4822)	(14.9230)	15.4493	9.8221	1.8647	17.2289	2.9594	(0.5274)

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	7.4413	2.3073	8.7719	0.0839	18.6045
15 mph	4.2681	0.6385	2.2383	0.7870	0.2994	0.0668	0.2609	0.0421	8.6013
25 mph	-	-	-	-	0.4141	0.0971	0.9099	0.1471	1.5682
35 mph	12.8447	1.8656	6.6253	2.0860	-	-	-	-	23.4217
total	17.1129	2.5041	8.8636	2.8730	8.1549	2.4712	9.9427	0.2732	52.1956

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	7.4413	2.3073	8.7719	0.0839	18.6045
10 mph	0.3133	0.0481	0.1658	1.6014	0.6306	0.1335	0.4553	0.0744	3.4223
15 mph	4.0706	0.6089	2.1347	1.5248	0.5926	0.1323	0.3937	0.0636	9.5210
20 mph	0.1132	0.0167	0.0590	1.0728	0.3689	0.0851	0.7987	0.1269	2.6412
25 mph	1.8128	0.2642	0.9405	4.1441	1.6736	0.3924	2.9406	0.4756	12.6438
30 mph	1.1133	0.1614	0.5755	4.5093	1.4037	0.3313	2.2708	0.3746	10.7399
35 mph	11.6010	1.6850	5.9838	6.5372	1.5599	0.3657	1.5814	0.2665	29.5807
40 mph	(2.7422)	(0.3992)	(1.4149)	2.6030	1.0826	0.2513	1.4297	0.2401	1.0503
45 mph	(2.0281)	(0.2957)	(1.0466)	1.9802	0.8460	0.1919	0.9818	0.1699	0.7994
50 mph	(2.1911)	(0.3243)	(1.1355)	2.0325	0.9365	0.2047	0.7989	0.1359	0.4576
55 mph	(1.0307)	(0.1548)	(0.5363)	1.2164	0.5862	0.1220	0.2572	0.0457	0.5057
60 mph	(0.1319)	(0.0201)	(0.0690)	1.3371	0.6278	0.1247	11.1691	1.9503	14.9879
65 mph	(0.1618)	(0.0255)	(0.0853)	0.2434	0.1573	0.0294	-	-	0.1574
70 mph	(10.2754)	(1.8097)	(5.5087)	5.8722	4.9094	0.7636	-	-	(6.0485)
total	0.4630	(0.2451)	0.0630	34.6743	22.8165	5.4351	31.8491	4.0073	99.0632

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0172	0.0001	0.0034	0.0371	0.4359	0.3187	0.9127	2.7320	4.4572
15 mph	0.0034	0.0000	0.0007	0.0073	0.0945	0.0683	0.1885	0.5854	0.9483
20 mph	0.0029	0.0000	0.0005	0.0058	0.0974	0.0688	0.2549	0.8512	1.2815
25 mph	0.0090	0.0001	0.0017	0.0179	0.3485	0.2423	1.1157	3.4634	5.1986
30 mph	0.0076	0.0001	0.0014	0.0151	0.3186	0.2196	0.8473	2.5112	3.9209
35 mph	0.0051	0.0001	0.0009	0.0100	0.2320	0.1578	0.3212	0.8824	1.6095
40 mph	0.0014	0.0000	0.0003	0.0028	0.0719	0.0484	0.3077	0.7898	1.2224
45 mph	0.0011	0.0000	0.0002	0.0020	0.0582	0.0388	0.2178	0.5212	0.8393
50 mph	0.0010	0.0000	0.0002	0.0018	0.0603	0.0398	0.3344	0.7516	1.1890
55 mph	0.0007	0.0000	0.0001	0.0013	0.0515	0.0337	0.0762	0.1582	0.3218
60 mph	0.0015	0.0001	0.0002	0.0026	0.1155	0.0754	0.0787	0.1703	0.4443
65 mph	0.0002	0.0000	0.0000	0.0003	0.0186	0.0120	-	-	0.0312
70 mph	-	-	-	-	-	-	-	-	-
total	0.0512	0.0006	0.0096	0.1041	1.9030	1.3236	4.6552	13.4167	21.4639

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0111)	(0.0001)	(0.0022)	0.0091	0.1832	0.1340	-	-	0.3130
15 mph	(0.0055)	(0.0000)	(0.0011)	0.0045	0.0993	0.0718	-	-	0.1690
20 mph	(0.0023)	(0.0000)	(0.0004)	0.0018	0.0512	0.0361	0.5972	1.9939	2.6773
25 mph	(0.0029)	(0.0000)	(0.0005)	0.0022	0.0732	0.0509	0.8316	2.5814	3.5359
30 mph	(0.0045)	(0.0001)	(0.0008)	0.0034	0.1217	0.0839	1.1909	3.5294	4.9240
35 mph	(0.0082)	(0.0001)	(0.0015)	0.0062	0.2438	0.1658	1.0033	2.7561	4.1653
40 mph	(0.0078)	(0.0002)	(0.0014)	0.0057	0.2519	0.1695	0.7929	2.0351	3.2459
45 mph	(0.0055)	(0.0001)	(0.0010)	0.0040	0.1958	0.1305	0.5101	1.2209	2.0547
50 mph	(0.0057)	(0.0001)	(0.0010)	0.0040	0.2281	0.1505	0.2410	0.5417	1.1585
55 mph	(0.0030)	(0.0001)	(0.0005)	0.0020	0.1352	0.0885	0.1190	0.2470	0.5882
60 mph	(0.0019)	(0.0001)	(0.0003)	0.0012	0.0910	0.0594	8.6030	18.6206	27.3730
65 mph	(0.0007)	(0.0000)	(0.0001)	0.0004	0.0391	0.0251	-	-	0.0638
70 mph	(0.0319)	(0.0015)	(0.0055)	0.0220	2.9403	1.7471	-	-	4.6705
total	(0.0910)	(0.0025)	(0.0162)	0.0665	4.6540	2.9132	13.8890	33.5262	54.9391

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.9083	0.6543	2.1645	6.8941	10.6213
15 mph	0.0456	0.0003	0.0090	0.0126	0.1981	0.1432	0.3706	1.1508	1.9300
25 mph	-	-	-	-	0.1387	0.0964	0.8725	2.7084	3.8159
35 mph	0.0323	0.0006	0.0058	0.0076	-	-	-	-	0.0462
total	0.0779	0.0008	0.0148	0.0201	1.2451	0.8939	3.4076	10.7532	16.4134

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.9083	0.6543	2.1645	6.8941	10.6213
10 mph	0.0061	0.0000	0.0012	0.0463	0.6192	0.4527	0.9127	2.7320	4.7702
15 mph	0.0435	0.0003	0.0086	0.0244	0.3919	0.2834	0.5591	1.7362	3.0473
20 mph	0.0006	0.0000	0.0001	0.0076	0.1485	0.1049	0.8521	2.8451	3.9588
25 mph	0.0061	0.0001	0.0011	0.0201	0.5604	0.3897	2.8199	8.7532	12.5504
30 mph	0.0032	0.0000	0.0006	0.0185	0.4404	0.3034	2.0382	6.0406	8.8449
35 mph	0.0291	0.0005	0.0052	0.0237	0.4758	0.3235	1.3245	3.6386	5.8211
40 mph	(0.0063)	(0.0001)	(0.0011)	0.0085	0.3238	0.2179	1.1006	2.8249	4.4683
45 mph	(0.0044)	(0.0001)	(0.0008)	0.0060	0.2541	0.1693	0.7279	1.7421	2.8940
50 mph	(0.0047)	(0.0001)	(0.0008)	0.0058	0.2884	0.1903	0.5753	1.2933	2.3475
55 mph	(0.0023)	(0.0001)	(0.0004)	0.0033	0.1867	0.1222	0.1952	0.4052	0.9099
60 mph	(0.0003)	(0.0000)	(0.0001)	0.0038	0.2065	0.1348	8.6817	18.7909	27.8173
65 mph	(0.0005)	(0.0000)	(0.0001)	0.0008	0.0577	0.0371	-	-	0.0950
70 mph	(0.0319)	(0.0015)	(0.0055)	0.0220	2.9403	1.7471	-	-	4.6705
total	0.0381	(0.0010)	0.0082	0.1907	7.8021	5.1307	21.9517	57.6961	92.8165

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								2.7366	2.7366
15 mph								0.6421	0.6421
20 mph								0.9285	0.9285
25 mph								3.7443	3.7443
30 mph								2.5107	2.5107
35 mph								0.8336	0.8336
40 mph								0.6838	0.6838
45 mph								0.4041	0.4041
50 mph								0.4857	0.4857
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	12.9694	12.9694

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								2.1751	2.1751
25 mph								2.7908	2.7908
30 mph								3.5288	3.5288
35 mph								2.6037	2.6037
40 mph								1.7619	1.7619
45 mph								0.9466	0.9466
50 mph								0.3501	0.3501
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	11.0983	11.0983

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.3503	0.3503
15 mph								1.2621	1.2621
25 mph								2.9280	2.9280
35 mph								-	-
total	-	-	-	-	-	-	-	4.5404	4.5404

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.3503	0.3503
10 mph								2.7366	2.7366
15 mph								1.9042	1.9042
20 mph								3.1036	3.1036
25 mph								9.4630	9.4630
30 mph								6.0395	6.0395
35 mph								3.4373	3.4373
40 mph								2.4457	2.4457
45 mph								1.3508	1.3508
50 mph								0.8358	0.8358
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	31.6667	31.6667

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	8.3497	2.9616	10.9364	7.3283	29.5760
10 mph	0.3194	0.0481	0.1670	1.6476	1.2497	0.5862	1.3680	5.5429	10.9290
15 mph	4.1141	0.6092	2.1433	1.5491	0.9845	0.4156	0.9527	3.7040	14.4725
20 mph	0.1137	0.0167	0.0591	1.0804	0.5174	0.1900	1.6508	6.0755	9.7036
25 mph	1.8189	0.2643	0.9416	4.1642	2.2340	0.7820	5.7605	18.6918	34.6573
30 mph	1.1164	0.1615	0.5760	4.5277	1.8441	0.6348	4.3090	12.4547	25.6243
35 mph	11.6302	1.6855	5.9891	6.5610	2.0358	0.6892	2.9059	7.3424	38.8391
40 mph	(2.7485)	(0.3994)	(1.4160)	2.6115	1.4064	0.4692	2.5303	5.5107	7.9643
45 mph	(2.0325)	(0.2958)	(1.0474)	1.9862	1.1001	0.3612	1.7097	3.2627	5.0442
50 mph	(2.1959)	(0.3245)	(1.1363)	2.0383	1.2249	0.3950	1.3742	2.2650	3.6409
55 mph	(1.0330)	(0.1549)	(0.5366)	1.2198	0.7729	0.2441	0.4525	0.4508	1.4157
60 mph	(0.1322)	(0.0202)	(0.0691)	1.3409	0.8343	0.2595	19.8508	20.7413	42.8052
65 mph	(0.1623)	(0.0255)	(0.0854)	0.2442	0.2150	0.0665	-	-	0.2524
70 mph	(10.3073)	(1.8113)	(5.5141)	5.8942	7.8498	2.5107	-	-	(1.3780)
STREX	2.8388	0.2302	1.3452	5.9245	1.1898	0.3608	1.4998	0.0123	13.4014
total	3.3398	(0.0159)	1.4164	40.7895	31.8084	10.9266	55.3006	93.3824	**236.9478**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.0751	2.2311	2.6303	3.0442	1.6888	1.6548	4.2036	5.0645
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.8388	0.2302	1.3452	5.9245	1.1898	0.3608	1.4998	0.0123
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	2.8388	0.2302	1.3452	5.9245	1.1898	0.3608	1.4998	0.0123

World Logistics Center
Mobile Emissions - 2023 (Net) -Unmitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0560	0.0560	0.1421	0.2339
10 mph	0.0049	0.0057	0.0061	0.0075	0.0149	0.0171	0.0310	0.0380
15 mph	0.0040	0.0047	0.0050	0.0061	0.0122	0.0140	0.0253	0.0312
20 mph	0.0033	0.0039	0.0042	0.0051	0.0101	0.0116	0.0210	0.0260
25 mph	0.0029	0.0033	0.0036	0.0044	0.0086	0.0099	0.0180	0.0222
30 mph	0.0025	0.0030	0.0032	0.0039	0.0077	0.0088	0.0160	0.0197
35 mph	0.0024	0.0027	0.0029	0.0036	0.0071	0.0082	0.0148	0.0183
40 mph	0.0023	0.0027	0.0028	0.0035	0.0069	0.0079	0.0144	0.0176
45 mph	0.0023	0.0027	0.0028	0.0035	0.0069	0.0079	0.0144	0.0177
50 mph	0.0024	0.0028	0.0029	0.0036	0.0071	0.0082	0.0148	0.0182
55 mph	0.0025	0.0029	0.0030	0.0038	0.0074	0.0085	0.0154	0.0189
60 mph	0.0025	0.0029	0.0031	0.0039	0.0077	0.0089	0.0160	0.0196
65 mph	0.0026	0.0030	0.0032	0.0040	0.0079	0.0091		
70 mph	0.0026	0.0031	0.0033	0.0041	0.0081	0.0092		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0356	0.0573	0.0599	0.0552
10 mph	0.0039	0.0084	0.0053	0.0066	0.0093	0.0104	0.0182	0.0311
15 mph	0.0032	0.0069	0.0044	0.0056	0.0060	0.0069	0.0144	0.0225
20 mph	0.0026	0.0057	0.0036	0.0046	0.0051	0.0059	0.0123	0.0185
25 mph	0.0022	0.0048	0.0030	0.0039	0.0046	0.0052	0.0108	0.0159
30 mph	0.0019	0.0041	0.0026	0.0034	0.0041	0.0047	0.0095	0.0140
35 mph	0.0017	0.0037	0.0024	0.0031	0.0042	0.0047	0.0086	0.0129
40 mph	0.0016	0.0034	0.0022	0.0029	0.0040	0.0046	0.0079	0.0118
45 mph	0.0016	0.0033	0.0021	0.0028	0.0039	0.0044	0.0075	0.0112
50 mph	0.0016	0.0033	0.0021	0.0028	0.0041	0.0046	0.0074	0.0107
55 mph	0.0016	0.0035	0.0022	0.0030	0.0043	0.0047	0.0075	0.0110
60 mph	0.0018	0.0038	0.0024	0.0032	0.0044	0.0047	0.0080	0.0116
65 mph	0.0020	0.0042	0.0027	0.0036	0.0044	0.0048		
70 mph	0.0022	0.0044	0.0029	0.0039	0.0045	0.0048		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0038	0.0003	0.0018	0.0050	0.0043	0.0015	0.0053	0.0000	0.0221
15 mph	0.0013	0.0001	0.0006	0.0016	0.0014	0.0005	0.0014	0.0000	0.0069
20 mph	0.0021	0.0002	0.0010	0.0027	0.0023	0.0008	0.0024	0.0000	0.0115
25 mph	0.0089	0.0008	0.0042	0.0117	0.0100	0.0036	0.0112	0.0001	0.0504
30 mph	0.0087	0.0008	0.0041	0.0114	0.0098	0.0035	0.0090	0.0001	0.0473
35 mph	0.0066	0.0006	0.0031	0.0087	0.0074	0.0026	0.0038	0.0000	0.0328
40 mph	0.0021	0.0002	0.0010	0.0028	0.0024	0.0009	0.0041	0.0000	0.0135
45 mph	0.0018	0.0002	0.0008	0.0023	0.0020	0.0007	0.0033	0.0000	0.0111
50 mph	0.0018	0.0002	0.0009	0.0024	0.0021	0.0007	0.0054	0.0000	0.0136
55 mph	0.0015	0.0001	0.0007	0.0020	0.0017	0.0006	0.0013	0.0000	0.0080
60 mph	0.0032	0.0003	0.0015	0.0042	0.0036	0.0013	0.0014	0.0000	0.0153
65 mph	0.0004	0.0000	0.0002	0.0005	0.0005	0.0002	-	-	0.0018
70 mph	-	-	-	-	-	-	-	-	-
total	0.0423	0.0037	0.0197	0.0554	0.0474	0.0169	0.0485	0.0004	0.2343

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0025)	(0.0002)	(0.0012)	0.0012	0.0018	0.0006	-	-	(0.0002)
15 mph	(0.0020)	(0.0002)	(0.0009)	0.0010	0.0015	0.0005	-	-	(0.0001)
20 mph	(0.0017)	(0.0001)	(0.0008)	0.0008	0.0012	0.0004	0.0056	0.0000	0.0055
25 mph	(0.0029)	(0.0003)	(0.0013)	0.0014	0.0021	0.0007	0.0083	0.0001	0.0082
30 mph	(0.0051)	(0.0005)	(0.0024)	0.0025	0.0037	0.0013	0.0127	0.0001	0.0125
35 mph	(0.0107)	(0.0009)	(0.0050)	0.0053	0.0078	0.0028	0.0118	0.0001	0.0112
40 mph	(0.0115)	(0.0010)	(0.0054)	0.0057	0.0084	0.0030	0.0104	0.0001	0.0098
45 mph	(0.0093)	(0.0008)	(0.0043)	0.0046	0.0067	0.0024	0.0076	0.0001	0.0070
50 mph	(0.0107)	(0.0009)	(0.0050)	0.0053	0.0078	0.0028	0.0039	0.0000	0.0032
55 mph	(0.0062)	(0.0005)	(0.0029)	0.0031	0.0045	0.0016	0.0020	0.0000	0.0016
60 mph	(0.0038)	(0.0003)	(0.0018)	0.0019	0.0028	0.0010	0.1485	0.0012	0.1495
65 mph	(0.0013)	(0.0001)	(0.0006)	0.0007	0.0010	0.0003	-	-	(0.0001)
70 mph	(0.0607)	(0.0054)	(0.0283)	0.0309	0.0451	0.0160	-	-	(0.0024)
total	(0.1284)	(0.0113)	(0.0598)	0.0646	0.0945	0.0335	0.2109	0.0018	0.2058

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0027	0.0008	0.0032	0.0001	0.0068
15 mph	0.0167	0.0015	0.0078	0.0028	0.0029	0.0010	0.0028	0.0000	0.0356
25 mph	-	-	-	-	0.0040	0.0014	0.0087	0.0001	0.0142
35 mph	0.0420	0.0037	0.0195	0.0066	-	-	-	-	0.0718
total	0.0587	0.0052	0.0273	0.0094	0.0096	0.0033	0.0148	0.0001	0.1284

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0027	0.0008	0.0032	0.0001	0.0068
10 mph	0.0014	0.0001	0.0006	0.0062	0.0061	0.0022	0.0053	0.0000	0.0220
15 mph	0.0159	0.0014	0.0074	0.0055	0.0058	0.0021	0.0042	0.0000	0.0424
20 mph	0.0004	0.0000	0.0002	0.0036	0.0036	0.0013	0.0079	0.0001	0.0170
25 mph	0.0061	0.0005	0.0028	0.0131	0.0161	0.0057	0.0283	0.0002	0.0728
30 mph	0.0036	0.0003	0.0017	0.0139	0.0135	0.0048	0.0217	0.0002	0.0598
35 mph	0.0379	0.0033	0.0177	0.0206	0.0152	0.0054	0.0155	0.0001	0.1158
40 mph	(0.0094)	(0.0008)	(0.0044)	0.0085	0.0108	0.0038	0.0145	0.0001	0.0232
45 mph	(0.0075)	(0.0007)	(0.0035)	0.0070	0.0087	0.0031	0.0109	0.0001	0.0182
50 mph	(0.0089)	(0.0008)	(0.0041)	0.0078	0.0099	0.0035	0.0094	0.0001	0.0168
55 mph	(0.0047)	(0.0004)	(0.0022)	0.0051	0.0062	0.0022	0.0033	0.0000	0.0097
60 mph	(0.0007)	(0.0001)	(0.0003)	0.0061	0.0064	0.0023	0.1499	0.0012	0.1648
65 mph	(0.0009)	(0.0001)	(0.0004)	0.0012	0.0014	0.0005	-	-	0.0017
70 mph	(0.0607)	(0.0054)	(0.0283)	0.0309	0.0451	0.0160	-	-	(0.0024)
total	(0.0274)	(0.0025)	(0.0128)	0.1293	0.1515	0.0537	0.2742	0.0023	0.5685

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0001	0.0019	0.0015	0.0147	0.0481	0.0664
15 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0004	0.0039	0.0116	0.0164
20 mph	0.0000	0.0000	0.0000	0.0001	0.0009	0.0007	0.0066	0.0190	0.0273
25 mph	0.0001	0.0000	0.0000	0.0002	0.0038	0.0031	0.0318	0.0902	0.1293
30 mph	0.0001	0.0000	0.0000	0.0002	0.0038	0.0031	0.0256	0.0723	0.1051
35 mph	0.0000	0.0000	0.0000	0.0002	0.0031	0.0025	0.0104	0.0300	0.0462
40 mph	0.0000	0.0000	0.0000	0.0001	0.0010	0.0008	0.0106	0.0304	0.0429
45 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0007	0.0081	0.0230	0.0326
50 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0007	0.0129	0.0360	0.0504
55 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0006	0.0030	0.0085	0.0129
60 mph	0.0000	0.0000	0.0000	0.0001	0.0014	0.0011	0.0032	0.0089	0.0148
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0001	-	-	0.0003
70 mph	-	-	-	-	-	-	-	-	-
total	0.0003	0.0000	0.0001	0.0011	0.0189	0.0154	0.1308	0.3781	0.5447

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0008	0.0006	-	-	0.0015
15 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0005	0.0004	-	-	0.0010
20 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0004	0.0004	0.0155	0.0446	0.0609
25 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0008	0.0007	0.0237	0.0673	0.0924
30 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0014	0.0012	0.0360	0.1015	0.1402
35 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0033	0.0027	0.0324	0.0937	0.1320
40 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0035	0.0029	0.0274	0.0784	0.1121
45 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0027	0.0022	0.0189	0.0538	0.0777
50 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0032	0.0026	0.0093	0.0259	0.0410
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0019	0.0015	0.0047	0.0133	0.0214
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0011	0.0009	0.3516	0.9774	1.3310
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0004	0.0003	-	-	0.0007
70 mph	(0.0005)	(0.0000)	(0.0002)	0.0007	0.0181	0.0140	-	-	0.0321
total	(0.0009)	(0.0000)	(0.0003)	0.0013	0.0383	0.0302	0.5195	1.4559	2.0439

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0012	0.0014	0.0065	0.0115	0.0206
15 mph	0.0001	0.0000	0.0000	0.0001	0.0010	0.0009	0.0076	0.0228	0.0326
25 mph	-	-	-	-	0.0015	0.0012	0.0249	0.0706	0.0982
35 mph	0.0003	0.0000	0.0001	0.0001	-	-	-	-	0.0005
total	0.0004	0.0000	0.0002	0.0002	0.0038	0.0035	0.0390	0.1048	0.1519

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0012	0.0014	0.0065	0.0115	0.0206
10 mph	0.0000	0.0000	0.0000	0.0001	0.0027	0.0022	0.0147	0.0481	0.0679
15 mph	0.0001	0.0000	0.0000	0.0001	0.0021	0.0017	0.0115	0.0344	0.0499
20 mph	0.0000	0.0000	0.0000	0.0001	0.0013	0.0011	0.0221	0.0636	0.0881
25 mph	0.0000	0.0000	0.0000	0.0003	0.0061	0.0050	0.0805	0.2281	0.3200
30 mph	0.0000	0.0000	0.0000	0.0003	0.0052	0.0043	0.0616	0.1738	0.2452
35 mph	0.0003	0.0000	0.0001	0.0004	0.0063	0.0052	0.0428	0.1236	0.1787
40 mph	(0.0001)	(0.0000)	(0.0000)	0.0002	0.0045	0.0037	0.0380	0.1088	0.1551
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0036	0.0029	0.0269	0.0768	0.1102
50 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0041	0.0032	0.0222	0.0619	0.0915
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0026	0.0020	0.0078	0.0218	0.0343
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0026	0.0020	0.3548	0.9863	1.3458
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0006	0.0004	-	-	0.0010
70 mph	(0.0005)	(0.0000)	(0.0002)	0.0007	0.0181	0.0140	-	-	0.0321
total	(0.0002)	(0.0000)	(0.0001)	0.0026	0.0610	0.0491	0.6894	1.9387	2.7405

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
15 mph								-	-
25 mph								-	-
35 mph								-	-
total	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0039	0.0023	0.0097	0.0115	0.0275
10 mph	0.0014	0.0001	0.0006	0.0064	0.0088	0.0044	0.0199	0.0482	0.0898
15 mph	0.0160	0.0014	0.0074	0.0056	0.0079	0.0038	0.0157	0.0344	0.0923
20 mph	0.0004	0.0000	0.0002	0.0036	0.0049	0.0023	0.0300	0.0637	0.1052
25 mph	0.0061	0.0005	0.0028	0.0134	0.0222	0.0107	0.1088	0.2283	0.3928
30 mph	0.0036	0.0003	0.0017	0.0142	0.0187	0.0091	0.0834	0.1740	0.3050
35 mph	0.0382	0.0033	0.0178	0.0210	0.0215	0.0106	0.0583	0.1238	0.2945
40 mph	(0.0094)	(0.0008)	(0.0044)	0.0087	0.0153	0.0075	0.0525	0.1089	0.1783
45 mph	(0.0075)	(0.0007)	(0.0035)	0.0071	0.0123	0.0060	0.0378	0.0769	0.1284
50 mph	(0.0089)	(0.0008)	(0.0041)	0.0079	0.0140	0.0067	0.0316	0.0619	0.1082
55 mph	(0.0047)	(0.0004)	(0.0022)	0.0052	0.0088	0.0043	0.0111	0.0218	0.0440
60 mph	(0.0007)	(0.0001)	(0.0003)	0.0062	0.0090	0.0043	0.5047	0.9876	1.5106
65 mph	(0.0009)	(0.0001)	(0.0004)	0.0012	0.0020	0.0009	-	-	0.0027
70 mph	(0.0612)	(0.0054)	(0.0285)	0.0316	0.0633	0.0299	-	-	0.0297
STREX	0.0007	0.0001	0.0003	0.0016	0.0001	0.0000	0.0001	0.0000	0.0030
total	(0.0269)	(0.0024)	(0.0125)	0.1336	0.2127	0.1028	0.9637	1.9411	**3.3121**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0005	0.0006	0.0007	0.0008	0.0002	0.0002	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0007	0.0001	0.0003	0.0016	0.0001	0.0000	0.0001	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0007	0.0001	0.0003	0.0016	0.0001	0.0000	0.0001	0.0000

World Logistics Center
Mobile Emissions - 2023 (Net) -Unmitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0400	0.0365	0.0339	0.0457
10 mph	0.0059	0.0086	0.0063	0.0065	0.0051	0.0047	0.0044	0.0060
15 mph	0.0039	0.0058	0.0042	0.0043	0.0034	0.0031	0.0029	0.0040
20 mph	0.0028	0.0041	0.0029	0.0031	0.0024	0.0022	0.0021	0.0029
25 mph	0.0020	0.0031	0.0022	0.0023	0.0018	0.0016	0.0015	0.0022
30 mph	0.0016	0.0024	0.0017	0.0018	0.0014	0.0013	0.0012	0.0018
35 mph	0.0013	0.0020	0.0014	0.0014	0.0012	0.0010	0.0010	0.0015
40 mph	0.0011	0.0017	0.0012	0.0012	0.0010	0.0009	0.0008	0.0013
45 mph	0.0010	0.0016	0.0011	0.0011	0.0009	0.0008	0.0008	0.0012
50 mph	0.0010	0.0015	0.0011	0.0011	0.0009	0.0008	0.0007	0.0012
55 mph	0.0010	0.0015	0.0011	0.0011	0.0009	0.0008	0.0008	0.0012
60 mph	0.0011	0.0016	0.0012	0.0012	0.0010	0.0009	0.0008	0.0013
65 mph	0.0012	0.0018	0.0013	0.0012	0.0011	0.0010		
70 mph	0.0013	0.0020	0.0014	0.0014	0.0012	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7993	0.8137	0.1267	0.0274
10 mph	0.0215	0.3551	0.0140	0.0111	0.0370	0.0406	0.0937	0.0437
15 mph	0.0166	0.2575	0.0113	0.0089	0.0277	0.0313	0.0656	0.0398
20 mph	0.0131	0.1967	0.0092	0.0072	0.0222	0.0253	0.0465	0.0450
25 mph	0.0104	0.1581	0.0076	0.0060	0.0183	0.0209	0.0387	0.0308
30 mph	0.0086	0.1332	0.0066	0.0052	0.0159	0.0181	0.0348	0.0283
35 mph	0.0074	0.1179	0.0059	0.0046	0.0144	0.0162	0.0328	0.0272
40 mph	0.0067	0.1081	0.0054	0.0043	0.0133	0.0150	0.0330	0.0285
45 mph	0.0064	0.1032	0.0050	0.0040	0.0126	0.0141	0.0349	0.0315
50 mph	0.0062	0.1035	0.0049	0.0038	0.0124	0.0137	0.0394	0.0369
55 mph	0.0062	0.1089	0.0048	0.0038	0.0124	0.0136	0.0455	0.0422
60 mph	0.0067	0.1185	0.0049	0.0039	0.0128	0.0140	0.0506	0.0502
65 mph	0.0070	0.1382	0.0051	0.0041	0.0147	0.0156		
70 mph	0.0066	0.1686	0.0064	0.0045	0.0210	0.0196		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0680
10 mph								0.0093
15 mph								0.0075
20 mph								0.0063
25 mph								0.0056
30 mph								0.0053
35 mph								0.0050
40 mph								0.0049
45 mph								0.0050
50 mph								0.0052
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0046	0.0005	0.0018	0.0043	0.0015	0.0004	0.0007	0.0000	0.0140
15 mph	0.0012	0.0001	0.0005	0.0012	0.0004	0.0001	0.0002	0.0000	0.0037
20 mph	0.0017	0.0002	0.0007	0.0016	0.0006	0.0002	0.0002	0.0000	0.0052
25 mph	0.0064	0.0007	0.0025	0.0060	0.0021	0.0006	0.0009	0.0000	0.0193
30 mph	0.0055	0.0006	0.0022	0.0052	0.0018	0.0005	0.0007	0.0000	0.0164
35 mph	0.0037	0.0004	0.0015	0.0035	0.0012	0.0003	0.0002	0.0000	0.0108
40 mph	0.0011	0.0001	0.0004	0.0010	0.0004	0.0001	0.0002	0.0000	0.0033
45 mph	0.0008	0.0001	0.0003	0.0008	0.0003	0.0001	0.0002	0.0000	0.0025
50 mph	0.0008	0.0001	0.0003	0.0007	0.0003	0.0001	0.0003	0.0000	0.0025
55 mph	0.0006	0.0001	0.0003	0.0006	0.0002	0.0001	0.0001	0.0000	0.0019
60 mph	0.0014	0.0002	0.0005	0.0013	0.0005	0.0001	0.0001	0.0000	0.0040
65 mph	0.0002	0.0000	0.0001	0.0002	0.0001	0.0000	-	-	0.0005
70 mph	-	-	-	-	-	-	-	-	-
total	0.0281	0.0032	0.0111	0.0263	0.0092	0.0025	0.0038	0.0000	0.0842

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0030)	(0.0003)	(0.0012)	0.0011	0.0006	0.0002	-	-	(0.0026)
15 mph	(0.0020)	(0.0002)	(0.0008)	0.0007	0.0004	0.0001	-	-	(0.0018)
20 mph	(0.0014)	(0.0002)	(0.0006)	0.0005	0.0003	0.0001	0.0005	0.0000	(0.0007)
25 mph	(0.0021)	(0.0002)	(0.0008)	0.0007	0.0004	0.0001	0.0007	0.0000	(0.0011)
30 mph	(0.0032)	(0.0004)	(0.0013)	0.0012	0.0007	0.0002	0.0009	0.0000	(0.0019)
35 mph	(0.0060)	(0.0007)	(0.0024)	0.0021	0.0013	0.0003	0.0008	0.0000	(0.0045)
40 mph	(0.0057)	(0.0007)	(0.0023)	0.0020	0.0012	0.0003	0.0006	0.0000	(0.0044)
45 mph	(0.0042)	(0.0005)	(0.0017)	0.0015	0.0009	0.0002	0.0004	0.0000	(0.0033)
50 mph	(0.0046)	(0.0005)	(0.0018)	0.0016	0.0010	0.0003	0.0002	0.0000	(0.0038)
55 mph	(0.0026)	(0.0003)	(0.0010)	0.0009	0.0006	0.0002	0.0001	0.0000	(0.0022)
60 mph	(0.0017)	(0.0002)	(0.0007)	0.0006	0.0004	0.0001	0.0076	0.0001	0.0063
65 mph	(0.0006)	(0.0001)	(0.0002)	0.0002	0.0001	0.0000	-	-	(0.0006)
70 mph	(0.0310)	(0.0035)	(0.0121)	0.0107	0.0068	0.0018	-	-	(0.0275)
total	(0.0680)	(0.0077)	(0.0268)	0.0239	0.0147	0.0040	0.0119	0.0001	(0.0481)

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0019	0.0005	0.0008	0.0000	0.0033
15 mph	0.0164	0.0018	0.0065	0.0020	0.0008	0.0002	0.0003	0.0000	0.0281
25 mph	-	-	-	-	0.0008	0.0002	0.0007	0.0000	0.0018
35 mph	0.0234	0.0027	0.0093	0.0026	-	-	-	-	0.0380
total	0.0398	0.0045	0.0158	0.0046	0.0036	0.0010	0.0018	0.0000	0.0711

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0019	0.0005	0.0008	0.0000	0.0033
10 mph	0.0016	0.0002	0.0007	0.0054	0.0021	0.0006	0.0007	0.0000	0.0113
15 mph	0.0156	0.0017	0.0062	0.0039	0.0016	0.0005	0.0005	0.0000	0.0300
20 mph	0.0003	0.0000	0.0001	0.0021	0.0009	0.0002	0.0008	0.0000	0.0045
25 mph	0.0043	0.0005	0.0017	0.0068	0.0033	0.0009	0.0024	0.0000	0.0200
30 mph	0.0023	0.0003	0.0009	0.0063	0.0025	0.0007	0.0016	0.0000	0.0145
35 mph	0.0212	0.0024	0.0084	0.0082	0.0025	0.0007	0.0010	0.0000	0.0443
40 mph	(0.0047)	(0.0005)	(0.0018)	0.0030	0.0016	0.0004	0.0008	0.0000	(0.0011)
45 mph	(0.0034)	(0.0004)	(0.0013)	0.0023	0.0012	0.0003	0.0006	0.0000	(0.0008)
50 mph	(0.0038)	(0.0004)	(0.0015)	0.0024	0.0013	0.0003	0.0005	0.0000	(0.0013)
55 mph	(0.0019)	(0.0002)	(0.0008)	0.0015	0.0008	0.0002	0.0002	0.0000	(0.0003)
60 mph	(0.0003)	(0.0000)	(0.0001)	0.0019	0.0008	0.0002	0.0077	0.0001	0.0103
65 mph	(0.0004)	(0.0000)	(0.0002)	0.0004	0.0002	0.0001	-	-	(0.0000)
70 mph	(0.0310)	(0.0035)	(0.0121)	0.0107	0.0068	0.0018	-	-	(0.0275)
total	(0.0001)	(0.0001)	0.0001	0.0548	0.0274	0.0075	0.0175	0.0002	0.1073

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0002	0.0000	0.0000	0.0002	0.0077	0.0061	0.0756	0.0676	0.1573
15 mph	0.0000	0.0000	0.0000	0.0001	0.0023	0.0019	0.0177	0.0205	0.0424
20 mph	0.0001	0.0000	0.0000	0.0001	0.0037	0.0030	0.0250	0.0464	0.0783
25 mph	0.0003	0.0000	0.0001	0.0004	0.0152	0.0125	0.1144	0.1746	0.3173
30 mph	0.0003	0.0000	0.0001	0.0003	0.0145	0.0119	0.0935	0.1460	0.2665
35 mph	0.0002	0.0000	0.0000	0.0003	0.0107	0.0087	0.0398	0.0632	0.1228
40 mph	0.0001	0.0000	0.0000	0.0001	0.0033	0.0027	0.0444	0.0733	0.1239
45 mph	0.0000	0.0000	0.0000	0.0001	0.0026	0.0021	0.0376	0.0648	0.1072
50 mph	0.0000	0.0000	0.0000	0.0001	0.0026	0.0020	0.0690	0.1235	0.1972
55 mph	0.0000	0.0000	0.0000	0.0000	0.0021	0.0016	0.0184	0.0326	0.0548
60 mph	0.0001	0.0000	0.0000	0.0001	0.0042	0.0033	0.0204	0.0388	0.0670
65 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0005	-	-	0.0011
70 mph	-	-	-	-	-	-	-	-	-
total	0.0013	0.0001	0.0003	0.0016	0.0693	0.0562	0.5557	0.8513	1.5359

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0032	0.0025	-	-	0.0057
15 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0024	0.0020	-	-	0.0043
20 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0019	0.0016	0.0586	0.1087	0.1708
25 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0032	0.0026	0.0852	0.1301	0.2211
30 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0055	0.0045	0.1314	0.2052	0.3466
35 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0112	0.0092	0.1242	0.1973	0.3416
40 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0116	0.0094	0.1144	0.1890	0.3241
45 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0088	0.0071	0.0880	0.1519	0.2555
50 mph	(0.0003)	(0.0000)	(0.0001)	0.0001	0.0097	0.0078	0.0497	0.0890	0.1560
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0054	0.0043	0.0287	0.0510	0.0892
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0033	0.0026	2.2312	4.2419	6.4791
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0013	0.0010	-	-	0.0022
70 mph	(0.0014)	(0.0001)	(0.0004)	0.0008	0.0841	0.0566	-	-	0.1396
total	(0.0034)	(0.0003)	(0.0008)	0.0017	0.1517	0.1111	2.9115	5.3641	8.5356

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0276	0.0202	0.0137	0.0057	0.0673
15 mph	0.0007	0.0000	0.0001	0.0001	0.0048	0.0039	0.0347	0.0403	0.0846
25 mph	-	-	-	-	0.0060	0.0050	0.0894	0.1365	0.2369
35 mph	0.0012	0.0001	0.0003	0.0002	-	-	-	-	0.0018
total	0.0019	0.0001	0.0004	0.0003	0.0384	0.0291	0.1379	0.1825	0.3906

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0276	0.0202	0.0137	0.0057	0.0673
10 mph	0.0001	0.0000	0.0000	0.0002	0.0109	0.0086	0.0756	0.0676	0.1630
15 mph	0.0006	0.0000	0.0001	0.0002	0.0095	0.0077	0.0524	0.0609	0.1314
20 mph	0.0000	0.0000	0.0000	0.0001	0.0056	0.0046	0.0837	0.1551	0.2491
25 mph	0.0002	0.0000	0.0000	0.0004	0.0244	0.0201	0.2891	0.4412	0.7753
30 mph	0.0001	0.0000	0.0000	0.0004	0.0200	0.0164	0.2249	0.3512	0.6131
35 mph	0.0011	0.0001	0.0002	0.0006	0.0219	0.0179	0.1639	0.2605	0.4662
40 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0148	0.0120	0.1588	0.2624	0.4480
45 mph	(0.0002)	(0.0000)	(0.0000)	0.0002	0.0114	0.0092	0.1255	0.2167	0.3627
50 mph	(0.0002)	(0.0000)	(0.0000)	0.0002	0.0123	0.0098	0.1187	0.2125	0.3531
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0074	0.0059	0.0471	0.0836	0.1440
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0076	0.0060	2.2516	4.2808	6.5461
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0019	0.0014	-	-	0.0033
70 mph	(0.0014)	(0.0001)	(0.0004)	0.0008	0.0841	0.0566	-	-	0.1396
total	(0.0001)	(0.0001)	(0.0001)	0.0036	0.2594	0.1964	3.6050	6.3979	10.4622

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0008	0.0008
15 mph								0.0002	0.0002
20 mph								0.0003	0.0003
25 mph								0.0017	0.0017
30 mph								0.0014	0.0014
35 mph								0.0006	0.0006
40 mph								0.0007	0.0007
45 mph								0.0005	0.0005
50 mph								0.0009	0.0009
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0072	0.0072

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0008	0.0008
25 mph								0.0013	0.0013
30 mph								0.0020	0.0020
35 mph								0.0019	0.0019
40 mph								0.0017	0.0017
45 mph								0.0013	0.0013
50 mph								0.0007	0.0007
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0060	0.0060

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0007	0.0007
15 mph								0.0004	0.0004
25 mph								0.0013	0.0013
35 mph								-	-
total	-	-	-	-	-	-	-	0.0025	0.0025

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0007	0.0007
10 mph								0.0008	0.0008
15 mph								0.0006	0.0006
20 mph								0.0011	0.0011
25 mph								0.0042	0.0042
30 mph								0.0034	0.0034
35 mph								0.0025	0.0025
40 mph								0.0024	0.0024
45 mph								0.0018	0.0018
50 mph								0.0016	0.0016
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0192	0.0192

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0295	0.0208	0.014514831	0.0064	0.0713
10 mph	0.0017	0.0002	0.0007	0.0056	0.0130	0.0092	0.0764	0.0683	0.1751
15 mph	0.0163	0.0018	0.0063	0.0041	0.0111	0.0082	0.0528	0.0615	0.1620
20 mph	0.0003	0.0000	0.0001	0.0023	0.0065	0.0048	0.0845	0.1562	0.2547
25 mph	0.0045	0.0005	0.0018	0.0072	0.0278	0.0210	0.2914	0.4454	0.7996
30 mph	0.0024	0.0003	0.0009	0.0067	0.0224	0.0171	0.2265	0.3547	0.6310
35 mph	0.0223	0.0025	0.0086	0.0088	0.0244	0.0186	0.1649	0.2630	0.5131
40 mph	(0.0049)	(0.0005)	(0.0019)	0.0033	0.0164	0.0125	0.1597	0.2648	0.4492
45 mph	(0.0036)	(0.0004)	(0.0014)	0.0024	0.0125	0.0095	0.1261	0.2186	0.3638
50 mph	(0.0040)	(0.0004)	(0.0015)	0.0026	0.0135	0.0101	0.1191	0.2140	0.3534
55 mph	(0.0021)	(0.0002)	(0.0008)	0.0016	0.0082	0.0061	0.0472	0.0836	0.1437
60 mph	(0.0003)	(0.0000)	(0.0001)	0.0020	0.0084	0.0062	2.2593	4.2808	6.5563
65 mph	(0.0005)	(0.0000)	(0.0002)	0.0004	0.0021	0.0015	-	-	0.0033
70 mph	(0.0325)	(0.0037)	(0.0125)	0.0115	0.0909	0.0584	-	-	0.1121
STREX	0.0025	0.0003	0.0009	0.0038	0.0003	0.0001	0.0002	0.0000	0.0081
total	0.0022	0.0001	0.0009	0.0622	0.2872	0.2040	3.6227	6.4174	**10.5967**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0018	0.0025	0.0018	0.0020	0.0004	0.0003	0.0004	0.0013
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0025	0.0003	0.0009	0.0038	0.0003	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0025	0.0003	0.0009	0.0038	0.0003	0.0001	0.0002	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.7002	0.0528	0.2618	0.5980	0.4887	0.1741	0.4021	0.0016
Diesel	0.0066	0.0000	0.0018	0.0136	0.3660	0.3016	1.9142	2.4782
Electric/NG	0.0159	0.0005	0.0033	0.0062	-	-	-	0.1325
Total	0.7227	0.0533	0.2669	0.6178	0.8547	0.4757	2.3163	2.6122

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	(2.2605)	(0.1705)	(0.8451)	0.7353	1.0270	0.3658	1.8837	0.0073
Diesel	(0.0213)	(0.0001)	(0.0058)	0.0168	0.7692	0.6339	8.9681	11.6103
Electric/NG	(0.0515)	(0.0016)	(0.0107)	0.0076	-	-	-	0.6206
Total	(2.3332)	(0.1721)	(0.8615)	0.7596	1.7962	0.9997	10.8518	12.2382

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.9853	0.0743	0.3683	0.1021	0.0594	0.0211	0.0850	0.0003
Diesel	0.0093	0.0000	0.0025	0.0023	0.0445	0.0366	0.4046	0.5238
Electric/NG	0.0224	0.0007	0.0047	0.0011	-	-	-	0.0280
Total	1.0170	0.0750	0.3755	0.1054	0.1038	0.0578	0.4896	0.5521

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	(0.5750)	(0.0434)	(0.2150)	1.4353	1.5751	0.5610	2.3707	0.0092	5.1180
Diesel	(0.0054)	(0.0000)	(0.0015)	0.0327	1.1797	0.9722	11.2869	14.6122	28.0768
Electric/NG	(0.0131)	(0.0004)	(0.0027)	0.0148	-	-	-	0.7811	0.7797
Total	(0.5935)	(0.0438)	(0.2191)	1.4829	2.7548	1.5332	13.6577	15.4025	**33.9746**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	19.5088
Internal	32.0785
Total	**51.5873**

World Logistics Center
Mobile Emissions - 2023 (Net) -Unmitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0368	0.0336	0.0312	0.0422
10 mph	0.0055	0.0079	0.0058	0.0060	0.0047	0.0043	0.0041	0.0055
15 mph	0.0036	0.0053	0.0039	0.0040	0.0032	0.0029	0.0027	0.0037
20 mph	0.0025	0.0038	0.0027	0.0028	0.0022	0.0020	0.0019	0.0027
25 mph	0.0019	0.0028	0.0020	0.0021	0.0017	0.0015	0.0014	0.0020
30 mph	0.0015	0.0022	0.0016	0.0016	0.0013	0.0012	0.0011	0.0016
35 mph	0.0012	0.0018	0.0013	0.0013	0.0011	0.0009	0.0009	0.0014
40 mph	0.0010	0.0016	0.0011	0.0011	0.0009	0.0008	0.0008	0.0012
45 mph	0.0010	0.0014	0.0010	0.0010	0.0009	0.0008	0.0007	0.0012
50 mph	0.0009	0.0014	0.0010	0.0010	0.0008	0.0007	0.0007	0.0011
55 mph	0.0009	0.0014	0.0010	0.0010	0.0008	0.0007	0.0007	0.0012
60 mph	0.0010	0.0015	0.0011	0.0011	0.0009	0.0008	0.0008	0.0012
65 mph	0.0011	0.0017	0.0012	0.0012	0.0010	0.0009		
70 mph	0.0012	0.0019	0.0013	0.0013	0.0011	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7648	0.7785	0.1212	0.0262
10 mph	0.0205	0.3397	0.0134	0.0106	0.0354	0.0388	0.0897	0.0418
15 mph	0.0159	0.2463	0.0108	0.0085	0.0265	0.0299	0.0628	0.0381
20 mph	0.0125	0.1882	0.0088	0.0069	0.0212	0.0242	0.0445	0.0431
25 mph	0.0099	0.1513	0.0073	0.0057	0.0175	0.0200	0.0370	0.0295
30 mph	0.0083	0.1274	0.0063	0.0050	0.0152	0.0173	0.0333	0.0271
35 mph	0.0071	0.1128	0.0056	0.0044	0.0137	0.0155	0.0314	0.0261
40 mph	0.0064	0.1035	0.0051	0.0041	0.0127	0.0143	0.0316	0.0272
45 mph	0.0061	0.0988	0.0048	0.0038	0.0120	0.0135	0.0334	0.0301
50 mph	0.0060	0.0990	0.0047	0.0037	0.0119	0.0132	0.0377	0.0353
55 mph	0.0060	0.1042	0.0046	0.0036	0.0119	0.0130	0.0436	0.0404
60 mph	0.0064	0.1134	0.0047	0.0037	0.0123	0.0134	0.0484	0.0480
65 mph	0.0067	0.1322	0.0049	0.0039	0.0140	0.0149		
70 mph	0.0063	0.1613	0.0062	0.0043	0.0201	0.0188		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0650
10 mph								0.0089
15 mph								0.0072
20 mph								0.0060
25 mph								0.0054
30 mph								0.0050
35 mph								0.0048
40 mph								0.0047
45 mph								0.0048
50 mph								0.0050
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0043	0.0005	0.0017	0.0040	0.0014	0.0004	0.0007	0.0000	0.0128
15 mph	0.0011	0.0001	0.0005	0.0011	0.0004	0.0001	0.0002	0.0000	0.0034
20 mph	0.0016	0.0002	0.0006	0.0015	0.0005	0.0001	0.0002	0.0000	0.0048
25 mph	0.0059	0.0007	0.0023	0.0055	0.0019	0.0005	0.0009	0.0000	0.0178
30 mph	0.0051	0.0006	0.0020	0.0047	0.0016	0.0005	0.0006	0.0000	0.0151
35 mph	0.0034	0.0004	0.0013	0.0032	0.0011	0.0003	0.0002	0.0000	0.0099
40 mph	0.0010	0.0001	0.0004	0.0009	0.0003	0.0001	0.0002	0.0000	0.0030
45 mph	0.0007	0.0001	0.0003	0.0007	0.0002	0.0001	0.0002	0.0000	0.0023
50 mph	0.0007	0.0001	0.0003	0.0007	0.0002	0.0001	0.0003	0.0000	0.0023
55 mph	0.0006	0.0001	0.0002	0.0005	0.0002	0.0001	0.0001	0.0000	0.0017
60 mph	0.0013	0.0001	0.0005	0.0012	0.0004	0.0001	0.0001	0.0000	0.0037
65 mph	0.0002	0.0000	0.0001	0.0002	0.0001	0.0000	-	-	0.0005
70 mph	-	-	-	-	-	-	-	-	-
total	0.0258	0.0029	0.0102	0.0242	0.0084	0.0023	0.0035	0.0000	0.0775

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0028)	(0.0003)	(0.0011)	0.0010	0.0006	0.0002	-	-	(0.0024)
15 mph	(0.0018)	(0.0002)	(0.0007)	0.0007	0.0004	0.0001	-	-	(0.0016)
20 mph	(0.0013)	(0.0001)	(0.0005)	0.0005	0.0003	0.0001	0.0005	0.0000	(0.0006)
25 mph	(0.0019)	(0.0002)	(0.0008)	0.0007	0.0004	0.0001	0.0006	0.0000	(0.0010)
30 mph	(0.0030)	(0.0003)	(0.0012)	0.0011	0.0006	0.0002	0.0009	0.0000	(0.0017)
35 mph	(0.0055)	(0.0006)	(0.0022)	0.0020	0.0012	0.0003	0.0007	0.0000	(0.0041)
40 mph	(0.0053)	(0.0006)	(0.0021)	0.0019	0.0011	0.0003	0.0006	0.0000	(0.0041)
45 mph	(0.0039)	(0.0004)	(0.0015)	0.0014	0.0008	0.0002	0.0004	0.0000	(0.0030)
50 mph	(0.0042)	(0.0005)	(0.0017)	0.0015	0.0009	0.0002	0.0002	0.0000	(0.0035)
55 mph	(0.0024)	(0.0003)	(0.0009)	0.0008	0.0005	0.0001	0.0001	0.0000	(0.0020)
60 mph	(0.0015)	(0.0002)	(0.0006)	0.0005	0.0003	0.0001	0.0070	0.0001	0.0058
65 mph	(0.0006)	(0.0001)	(0.0002)	0.0002	0.0001	0.0000	-	-	(0.0005)
70 mph	(0.0285)	(0.0033)	(0.0112)	0.0098	0.0062	0.0016	-	-	(0.0253)
total	(0.0626)	(0.0071)	(0.0246)	0.0220	0.0135	0.0037	0.0109	0.0001	(0.0441)

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0018	0.0005	0.0007	0.0000	0.0030
15 mph	0.0151	0.0017	0.0060	0.0018	0.0008	0.0002	0.0003	0.0000	0.0258
25 mph	-	-	-	-	0.0008	0.0002	0.0007	0.0000	0.0017
35 mph	0.0215	0.0025	0.0085	0.0024	-	-	-	-	0.0349
total	0.0366	0.0041	0.0145	0.0042	0.0033	0.0009	0.0017	0.0000	0.0654

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0018	0.0005	0.0007	0.0000	0.0030
10 mph	0.0015	0.0002	0.0006	0.0050	0.0019	0.0005	0.0007	0.0000	0.0104
15 mph	0.0144	0.0016	0.0057	0.0036	0.0015	0.0004	0.0004	0.0000	0.0276
20 mph	0.0003	0.0000	0.0001	0.0020	0.0008	0.0002	0.0007	0.0000	0.0042
25 mph	0.0040	0.0005	0.0016	0.0062	0.0031	0.0009	0.0022	0.0000	0.0184
30 mph	0.0021	0.0002	0.0008	0.0058	0.0023	0.0006	0.0015	0.0000	0.0133
35 mph	0.0194	0.0022	0.0077	0.0075	0.0023	0.0006	0.0009	0.0000	0.0407
40 mph	(0.0043)	(0.0005)	(0.0017)	0.0028	0.0015	0.0004	0.0008	0.0000	(0.0010)
45 mph	(0.0031)	(0.0004)	(0.0012)	0.0021	0.0011	0.0003	0.0005	0.0000	(0.0007)
50 mph	(0.0035)	(0.0004)	(0.0014)	0.0022	0.0012	0.0003	0.0004	0.0000	(0.0012)
55 mph	(0.0018)	(0.0002)	(0.0007)	0.0014	0.0007	0.0002	0.0002	0.0000	(0.0002)
60 mph	(0.0003)	(0.0000)	(0.0001)	0.0017	0.0008	0.0002	0.0071	0.0001	0.0094
65 mph	(0.0004)	(0.0000)	(0.0002)	0.0004	0.0002	0.0001	-	-	0.0000
70 mph	(0.0285)	(0.0033)	(0.0112)	0.0098	0.0062	0.0016	-	-	(0.0253)
total	(0.0001)	(0.0001)	0.0001	0.0504	0.0252	0.0069	0.0161	0.0002	0.0987

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0002	0.0000	0.0000	0.0002	0.0073	0.0058	0.0724	0.0647	0.1505
15 mph	0.0000	0.0000	0.0000	0.0001	0.0022	0.0018	0.0169	0.0196	0.0406
20 mph	0.0001	0.0000	0.0000	0.0001	0.0035	0.0029	0.0240	0.0444	0.0749
25 mph	0.0003	0.0000	0.0001	0.0003	0.0145	0.0119	0.1094	0.1670	0.3036
30 mph	0.0003	0.0000	0.0001	0.0003	0.0138	0.0114	0.0895	0.1397	0.2550
35 mph	0.0002	0.0000	0.0000	0.0002	0.0102	0.0083	0.0380	0.0604	0.1175
40 mph	0.0001	0.0000	0.0000	0.0001	0.0032	0.0026	0.0425	0.0702	0.1185
45 mph	0.0000	0.0000	0.0000	0.0001	0.0025	0.0020	0.0359	0.0620	0.1026
50 mph	0.0000	0.0000	0.0000	0.0001	0.0025	0.0020	0.0660	0.1181	0.1886
55 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0016	0.0176	0.0312	0.0524
60 mph	0.0001	0.0000	0.0000	0.0001	0.0041	0.0032	0.0195	0.0371	0.0641
65 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	-	-	0.0010
70 mph	-	-	-	-	-	-	-	-	-
total	0.0013	0.0001	0.0003	0.0016	0.0663	0.0538	0.5316	0.8145	1.4694

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0031	0.0024	-	-	0.0054
15 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0023	0.0019	-	-	0.0041
20 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0018	0.0015	0.0561	0.1040	0.1634
25 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0031	0.0025	0.0816	0.1245	0.2115
30 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0053	0.0043	0.1257	0.1963	0.3316
35 mph	(0.0003)	(0.0000)	(0.0001)	0.0001	0.0107	0.0088	0.1188	0.1888	0.3268
40 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0111	0.0090	0.1095	0.1808	0.3101
45 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0084	0.0068	0.0842	0.1453	0.2445
50 mph	(0.0003)	(0.0000)	(0.0001)	0.0001	0.0093	0.0074	0.0476	0.0851	0.1492
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0052	0.0041	0.0275	0.0488	0.0854
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0032	0.0025	2.1347	4.0584	6.1988
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0012	0.0009	-	-	0.0021
70 mph	(0.0014)	(0.0001)	(0.0004)	0.0007	0.0805	0.0542	-	-	0.1335
total	(0.0032)	(0.0002)	(0.0007)	0.0016	0.1451	0.1063	2.7855	5.1320	8.1664

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0264	0.0194	0.0131	0.0054	0.0644
15 mph	0.0006	0.0000	0.0001	0.0001	0.0046	0.0037	0.0332	0.0386	0.0810
25 mph	-	-	-	-	0.0058	0.0047	0.0856	0.1306	0.2267
35 mph	0.0012	0.0001	0.0003	0.0002	-	-	-	-	0.0017
total	0.0018	0.0001	0.0004	0.0003	0.0368	0.0279	0.1319	0.1746	0.3737

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0264	0.0194	0.0131	0.0054	0.0644
10 mph	0.0001	0.0000	0.0000	0.0002	0.0104	0.0082	0.0724	0.0647	0.1559
15 mph	0.0006	0.0000	0.0001	0.0002	0.0091	0.0074	0.0501	0.0582	0.1257
20 mph	0.0000	0.0000	0.0000	0.0001	0.0054	0.0044	0.0801	0.1484	0.2383
25 mph	0.0002	0.0000	0.0000	0.0004	0.0233	0.0192	0.2766	0.4221	0.7418
30 mph	0.0001	0.0000	0.0000	0.0004	0.0191	0.0157	0.2152	0.3360	0.5866
35 mph	0.0011	0.0001	0.0002	0.0006	0.0210	0.0171	0.1568	0.2492	0.4461
40 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0142	0.0115	0.1520	0.2510	0.4286
45 mph	(0.0002)	(0.0000)	(0.0000)	0.0002	0.0109	0.0088	0.1201	0.2074	0.3470
50 mph	(0.0002)	(0.0000)	(0.0000)	0.0002	0.0118	0.0094	0.1135	0.2033	0.3378
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0071	0.0056	0.0450	0.0800	0.1378
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0073	0.0057	2.1542	4.0956	6.2629
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0018	0.0014	-	-	0.0032
70 mph	(0.0014)	(0.0001)	(0.0004)	0.0007	0.0805	0.0542	-	-	0.1335
total	(0.0001)	(0.0001)	(0.0001)	0.0035	0.2482	0.1880	3.4491	6.1212	10.0096

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0007	0.0007
15 mph								0.0002	0.0002
20 mph								0.0003	0.0003
25 mph								0.0016	0.0016
30 mph								0.0014	0.0014
35 mph								0.0006	0.0006
40 mph								0.0006	0.0006
45 mph								0.0005	0.0005
50 mph								0.0009	0.0009
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0068	0.0068

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0008	0.0008
25 mph								0.0012	0.0012
30 mph								0.0019	0.0019
35 mph								0.0018	0.0018
40 mph								0.0017	0.0017
45 mph								0.0012	0.0012
50 mph								0.0006	0.0006
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0057	0.0057

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0007	0.0007
15 mph								0.0004	0.0004
25 mph								0.0013	0.0013
35 mph								-	-
total	-	-	-	-	-	-	-	0.0024	0.0024

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0007	0.0007
10 mph								0.0007	0.0007
15 mph								0.0006	0.0006
20 mph								0.0011	0.0011
25 mph								0.0041	0.0041
30 mph								0.0033	0.0033
35 mph								0.0024	0.0024
40 mph								0.0023	0.0023
45 mph								0.0017	0.0017
50 mph								0.0015	0.0015
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0184	0.0184

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0282	0.0199	0.0139	0.0062	0.0681
10 mph	0.0016	0.0002	0.0006	0.0052	0.0123	0.0088	0.0731	0.0654	0.1671
15 mph	0.0150	0.0016	0.0058	0.0037	0.0106	0.0078	0.0505	0.0588	0.1539
20 mph	0.0003	0.0000	0.0001	0.0021	0.0061	0.0046	0.0808	0.1494	0.2435
25 mph	0.0042	0.0005	0.0016	0.0066	0.0264	0.0200	0.2787	0.4262	0.7643
30 mph	0.0022	0.0002	0.0008	0.0062	0.0214	0.0163	0.2167	0.3393	0.6032
35 mph	0.0205	0.0023	0.0079	0.0081	0.0233	0.0177	0.1578	0.2516	0.4892
40 mph	(0.0045)	(0.0005)	(0.0018)	0.0030	0.0157	0.0119	0.1527	0.2533	0.4298
45 mph	(0.0033)	(0.0004)	(0.0013)	0.0023	0.0120	0.0091	0.1206	0.2091	0.3481
50 mph	(0.0037)	(0.0004)	(0.0014)	0.0024	0.0129	0.0097	0.1140	0.2048	0.3382
55 mph	(0.0019)	(0.0002)	(0.0007)	0.0015	0.0078	0.0058	0.0452	0.0800	0.1375
60 mph	(0.0003)	(0.0000)	(0.0001)	0.0019	0.0080	0.0059	2.1613	4.0956	6.2723
65 mph	(0.0004)	(0.0000)	(0.0002)	0.0004	0.0020	0.0014	-	-	0.0032
70 mph	(0.0299)	(0.0034)	(0.0115)	0.0106	0.0867	0.0558	-	-	0.1083
STREX	0.0023	0.0002	0.0009	0.0035	0.0003	0.0001	0.0001	0.0000	0.0074
total	0.0020	0.0001	0.0008	0.0574	0.2737	0.1949	3.4654	6.1398	**10.1341**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0017	0.0023	0.0017	0.0018	0.0004	0.0003	0.0004	0.0012
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0023	0.0002	0.0009	0.0035	0.0003	0.0001	0.0001	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0023	0.0002	0.0009	0.0035	0.0003	0.0001	0.0001	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2777	0.0209	0.1038	0.2372	0.2012	0.0720	0.1663	0.0006
Diesel	0.0026	0.0000	0.0007	0.0054	0.1480	0.1229	0.7916	0.8991
Electric/NG	0.0063	0.0002	0.0013	0.0025	-	-	-	0.0481
Total	0.2867	0.0212	0.1058	0.2450	0.3492	0.1949	0.9578	0.9477

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	(0.8966)	(0.0676)	(0.3352)	0.2917	0.4228	0.1514	0.7789	0.0028
Diesel	(0.0085)	(0.0000)	(0.0023)	0.0066	0.3110	0.2582	3.7085	4.2122
Electric/NG	(0.0204)	(0.0006)	(0.0042)	0.0030	-	-	-	0.2252
Total	(0.9255)	(0.0683)	(0.3417)	0.3013	0.7338	0.4096	4.4874	4.4402

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3908	0.0295	0.1461	0.0405	0.0244	0.0088	0.0351	0.0001
Diesel	0.0037	0.0000	0.0010	0.0009	0.0180	0.0149	0.1673	0.1900
Electric/NG	0.0089	0.0003	0.0018	0.0004	-	-	-	0.0102
Total	0.4034	0.0298	0.1489	0.0418	0.0424	0.0237	0.2024	0.2003

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	(0.2281)	(0.0172)	(0.0853)	0.5693	0.6484	0.2322	0.9803	0.0036	2.1032
Diesel	(0.0021)	(0.0000)	(0.0006)	0.0130	0.4770	0.3961	4.6673	5.3013	10.8519
Electric/NG	(0.0052)	(0.0002)	(0.0011)	0.0059	-	-	-	0.2834	0.2828
Total	(0.2354)	(0.0174)	(0.0869)	0.5882	1.1254	0.6282	5.6477	5.5882	**13.2380**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	4.7885
Internal	7.8738
Total	**12.6623**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0217	0.0153	0.0107	0.0047	0.0524
10 mph	0.0010	0.0001	0.0004	0.0033	0.0095	0.0068	0.0563	0.0503	0.1277
15 mph	0.0096	0.0010	0.0037	0.0024	0.0082	0.0060	0.0389	0.0453	0.1151
20 mph	0.0002	0.0000	0.0001	0.0013	0.0047	0.0036	0.0622	0.1151	0.1872
25 mph	0.0027	0.0003	0.0010	0.0042	0.0203	0.0154	0.2146	0.3281	0.5868
30 mph	0.0014	0.0002	0.0005	0.0040	0.0165	0.0126	0.1668	0.2613	0.4632
35 mph	0.0131	0.0015	0.0051	0.0052	0.0179	0.0136	0.1215	0.1938	0.3716
40 mph	(0.0029)	(0.0003)	(0.0011)	0.0019	0.0121	0.0092	0.1176	0.1950	0.3315
45 mph	(0.0021)	(0.0002)	(0.0008)	0.0014	0.0092	0.0070	0.0929	0.1610	0.2684
50 mph	(0.0024)	(0.0003)	(0.0009)	0.0015	0.0099	0.0075	0.0878	0.1577	0.2608
55 mph	(0.0012)	(0.0001)	(0.0005)	0.0010	0.0060	0.0045	0.0348	0.0616	0.1061
60 mph	(0.0002)	(0.0000)	(0.0001)	0.0012	0.0062	0.0046	1.6642	3.1536	4.8295
65 mph	(0.0003)	(0.0000)	(0.0001)	0.0003	0.0015	0.0011	-	-	0.0025
70 mph	(0.0191)	(0.0022)	(0.0074)	0.0068	0.0668	0.0430	-	-	0.0878
total	(0.0002)	(0.0001)	(0.0000)	0.0345	0.2106	0.1500	2.6682	4.7276	7.7906

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2023 (Net) -Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	975	2.40	0.32	0.0005	0.46	0.0019	1.86
2	L	1,371	2.40	0.32	0.0005	0.64	0.0019	2.61
3	L	1,300	2.40	0.32	0.0005	0.61	0.0019	2.48
5	L	2,102	2.40	0.32	0.0005	0.98	0.0019	4.00
6	L	4,214	2.40	0.32	0.0005	1.97	0.0019	8.03
8	L	3,141	2.40	0.32	0.0005	1.47	0.0019	5.98
11	L	(633)	2.40	0.32	0.0005	(0.30)	0.0019	(1.21)
12	L	(965)	2.40	0.32	0.0005	(0.45)	0.0019	(1.84)
14	L	(517)	2.40	0.32	0.0005	(0.24)	0.0019	(0.99)
18	L	546	2.40	0.32	0.0005	0.26	0.0019	1.04
19	L	2,602	2.40	0.32	0.0005	1.22	0.0019	4.96
21	L	1,337	2.40	0.32	0.0005	0.62	0.0019	2.55
24	L	3,007	2.40	0.32	0.0005	1.41	0.0019	5.73
30	L	(2,953)	2.40	0.32	0.0005	(1.38)	0.0019	(5.63)
29	L	1,414	2.40	0.32	0.0005	0.66	0.0019	2.69
31	L	(102)	2.40	0.32	0.0005	(0.05)	0.0019	(0.19)
TOTAL						7.87		32.08

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2023 (Net) -Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	43,182	2.40	0.032	0.0001	2.48	0.0002	10.12
Freeway	F	79,814	2.40	0.015	0.0000	2.30	0.0001	9.39
TOTAL		122,996				4.79		19.51

World Logistics Center
Mobile Emissions - 2023 (Net) -Unmitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0070	0.0134	0.0105	0.0127	0.0168	0.0188	0.0330	0.2237
15 mph	0.0061	0.0115	0.0092	0.0111	0.0149	0.0166	0.0290	0.1987
20 mph	0.0055	0.0102	0.0082	0.0100	0.0136	0.0150	0.0262	0.1807
25 mph	0.0050	0.0092	0.0074	0.0090	0.0125	0.0137	0.0236	0.1680
30 mph	0.0046	0.0085	0.0068	0.0083	0.0118	0.0128	0.0216	0.1585
35 mph	0.0044	0.0081	0.0064	0.0079	0.0113	0.0121	0.0201	0.1522
40 mph	0.0042	0.0077	0.0061	0.0075	0.0109	0.0116	0.0193	0.1471
45 mph	0.0040	0.0075	0.0060	0.0073	0.0107	0.0113	0.0184	0.1445
50 mph	0.0040	0.0076	0.0059	0.0073	0.0107	0.0112	0.0185	0.1440
55 mph	0.0040	0.0078	0.0060	0.0074	0.0109	0.0113	0.0185	0.1470
60 mph	0.0042	0.0082	0.0063	0.0078	0.0114	0.0118	0.0196	0.1512
65 mph	0.0044	0.0088	0.0067	0.0082	0.0120	0.0124	0.0207	0.1568
70 mph	0.0046	0.0102	0.0070	0.0087	0.0133	0.0125	0.0224	0.1661

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0650	0.1389	0.0880	0.1097	0.1539	0.1722	0.3029	0.5183
15 mph	0.0535	0.1155	0.0730	0.0929	0.1002	0.1142	0.2399	0.3746
20 mph	0.0439	0.0948	0.0600	0.0772	0.0854	0.0975	0.2044	0.3072
25 mph	0.0368	0.0792	0.0503	0.0654	0.0758	0.0869	0.1791	0.2649
30 mph	0.0319	0.0682	0.0435	0.0566	0.0689	0.0785	0.1585	0.2333
35 mph	0.0288	0.0612	0.0392	0.0515	0.0691	0.0787	0.1426	0.2152
40 mph	0.0270	0.0570	0.0366	0.0482	0.0673	0.0759	0.1314	0.1965
45 mph	0.0260	0.0551	0.0353	0.0464	0.0657	0.0730	0.1247	0.1855
50 mph	0.0261	0.0551	0.0354	0.0466	0.0689	0.0757	0.1227	0.1786
55 mph	0.0273	0.0576	0.0370	0.0492	0.0720	0.0783	0.1254	0.1833
60 mph	0.0296	0.0624	0.0400	0.0533	0.0726	0.0785	0.1326	0.1925
65 mph	0.0333	0.0696	0.0450	0.0600	0.0738	0.0790	0.1443	0.2071
70 mph	0.0362	0.0727	0.0481	0.0656	0.0753	0.0805	0.1454	0.2092

*US EPA Emission Factors for Greenhouse Gas Inventories. (Idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.9773
15 mph								0.8201
20 mph								0.7152
25 mph								0.6581
30 mph								0.6214
35 mph								0.5924
40 mph								0.5687
45 mph								0.5489
50 mph								0.5320
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0054	0.0008	0.0031	0.0085	0.0049	0.0017	0.0056	0.0003	0.0302
15 mph	0.0019	0.0003	0.0011	0.0030	0.0017	0.0006	0.0016	0.0001	0.0103
20 mph	0.0034	0.0005	0.0019	0.0053	0.0031	0.0011	0.0030	0.0001	0.0185
25 mph	0.0156	0.0022	0.0087	0.0241	0.0145	0.0049	0.0146	0.0007	0.0853
30 mph	0.0159	0.0022	0.0088	0.0245	0.0150	0.0050	0.0122	0.0006	0.0843
35 mph	0.0123	0.0017	0.0068	0.0189	0.0118	0.0039	0.0051	0.0003	0.0607
40 mph	0.0039	0.0005	0.0022	0.0060	0.0038	0.0012	0.0054	0.0003	0.0234
45 mph	0.0031	0.0004	0.0017	0.0049	0.0031	0.0010	0.0042	0.0002	0.0187
50 mph	0.0031	0.0004	0.0017	0.0049	0.0031	0.0010	0.0068	0.0004	0.0215
55 mph	0.0025	0.0004	0.0014	0.0040	0.0025	0.0008	0.0016	0.0001	0.0133
60 mph	0.0053	0.0008	0.0030	0.0084	0.0053	0.0017	0.0017	0.0001	0.0261
65 mph	0.0007	0.0001	0.0004	0.0011	0.0007	0.0002	-	-	0.0032
70 mph	-	-	-	-	-	-	-	-	-
total	0.0732	0.0103	0.0407	0.1136	0.0696	0.0232	0.0618	0.0031	0.3954

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0035)	(0.0005)	(0.0020)	0.0021	0.0020	0.0007	-	-	(0.0012)
15 mph	(0.0031)	(0.0004)	(0.0017)	0.0018	0.0018	0.0006	-	-	(0.0010)
20 mph	(0.0028)	(0.0004)	(0.0015)	0.0016	0.0017	0.0006	0.0069	0.0003	0.0064
25 mph	(0.0050)	(0.0007)	(0.0028)	0.0030	0.0031	0.0010	0.0109	0.0005	0.0100
30 mph	(0.0093)	(0.0013)	(0.0052)	0.0055	0.0057	0.0019	0.0171	0.0009	0.0153
35 mph	(0.0198)	(0.0028)	(0.0109)	0.0116	0.0124	0.0041	0.0159	0.0008	0.0114
40 mph	(0.0210)	(0.0029)	(0.0116)	0.0124	0.0133	0.0044	0.0140	0.0007	0.0093
45 mph	(0.0163)	(0.0023)	(0.0090)	0.0096	0.0104	0.0034	0.0098	0.0005	0.0061
50 mph	(0.0181)	(0.0026)	(0.0101)	0.0108	0.0118	0.0038	0.0049	0.0003	0.0007
55 mph	(0.0102)	(0.0015)	(0.0057)	0.0061	0.0066	0.0021	0.0024	0.0001	0.0001
60 mph	(0.0064)	(0.0009)	(0.0036)	0.0039	0.0042	0.0013	0.1815	0.0095	0.1895
65 mph	(0.0022)	(0.0003)	(0.0013)	0.0014	0.0015	0.0005	-	-	(0.0005)
70 mph	(0.1059)	(0.0179)	(0.0604)	0.0658	0.0743	0.0216	-	-	(0.0225)
total	(0.2236)	(0.0346)	(0.1258)	0.1355	0.1487	0.0460	0.2636	0.0137	0.2235

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0006	0.0002	0.0003	0.0000	0.0012
15 mph	0.0254	0.0036	0.0143	0.0051	0.0036	0.0012	0.0032	0.0001	0.0566
25 mph	-	-	-	-	0.0058	0.0020	0.0115	0.0006	0.0197
35 mph	0.0778	0.0108	0.0429	0.0143	-	-	-	-	0.1459
total	0.1032	0.0145	0.0572	0.0194	0.0100	0.0034	0.0150	0.0007	0.2234

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0006	0.0002	0.0003	0.0000	0.0012
10 mph	0.0019	0.0003	0.0011	0.0106	0.0069	0.0024	0.0056	0.0003	0.0291
15 mph	0.0242	0.0034	0.0136	0.0099	0.0071	0.0025	0.0049	0.0002	0.0658
20 mph	0.0007	0.0001	0.0004	0.0070	0.0048	0.0016	0.0099	0.0005	0.0249
25 mph	0.0106	0.0015	0.0059	0.0271	0.0234	0.0079	0.0370	0.0018	0.1150
30 mph	0.0066	0.0009	0.0036	0.0300	0.0208	0.0070	0.0293	0.0015	0.0996
35 mph	0.0703	0.0098	0.0388	0.0448	0.0242	0.0080	0.0210	0.0011	0.2179
40 mph	(0.0171)	(0.0024)	(0.0094)	0.0184	0.0171	0.0056	0.0195	0.0010	0.0327
45 mph	(0.0131)	(0.0018)	(0.0073)	0.0145	0.0135	0.0044	0.0139	0.0007	0.0248
50 mph	(0.0150)	(0.0021)	(0.0083)	0.0157	0.0149	0.0048	0.0117	0.0006	0.0222
55 mph	(0.0077)	(0.0011)	(0.0043)	0.0101	0.0092	0.0029	0.0040	0.0002	0.0134
60 mph	(0.0011)	(0.0002)	(0.0006)	0.0122	0.0094	0.0030	0.1832	0.0096	0.2156
65 mph	(0.0015)	(0.0002)	(0.0009)	0.0025	0.0022	0.0007	-	-	0.0027
70 mph	(0.1059)	(0.0179)	(0.0604)	0.0658	0.0743	0.0216	-	-	(0.0225)
total	(0.0472)	(0.0098)	(0.0279)	0.2685	0.2283	0.0726	0.3403	0.0175	0.8423

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0005	0.0000	0.0002	0.0017	0.0319	0.0257	0.2444	0.8010	1.1053
15 mph	0.0002	0.0000	0.0001	0.0006	0.0083	0.0068	0.0645	0.1930	0.2734
20 mph	0.0003	0.0000	0.0001	0.0009	0.0141	0.0116	0.1099	0.3165	0.4535
25 mph	0.0011	0.0000	0.0004	0.0040	0.0628	0.0518	0.5298	1.5014	2.1514
30 mph	0.0010	0.0000	0.0004	0.0038	0.0628	0.0515	0.4263	1.2021	1.7479
35 mph	0.0008	0.0000	0.0003	0.0028	0.0515	0.0422	0.1726	0.4989	0.7690
40 mph	0.0002	0.0000	0.0001	0.0009	0.0167	0.0136	0.1767	0.5061	0.7143
45 mph	0.0002	0.0000	0.0001	0.0007	0.0136	0.0109	0.1341	0.3823	0.5419
50 mph	0.0002	0.0000	0.0001	0.0007	0.0143	0.0113	0.2145	0.5982	0.8392
55 mph	0.0002	0.0000	0.0001	0.0006	0.0119	0.0093	0.0506	0.1416	0.2143
60 mph	0.0003	0.0000	0.0001	0.0013	0.0240	0.0187	0.0535	0.1488	0.2468
65 mph	0.0000	0.0000	0.0000	0.0002	0.0031	0.0024	-	-	0.0057
70 mph	-	-	-	-	-	-	-	-	-
total	0.0050	0.0000	0.0018	0.0182	0.3149	0.2558	2.1771	6.2900	9.0627

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0003)	(0.0000)	(0.0001)	0.0004	0.0134	0.0108	-	-	0.0242
15 mph	(0.0003)	(0.0000)	(0.0001)	0.0003	0.0087	0.0072	-	-	0.0159
20 mph	(0.0002)	(0.0000)	(0.0001)	0.0003	0.0074	0.0061	0.2575	0.7415	1.0126
25 mph	(0.0004)	(0.0000)	(0.0001)	0.0005	0.0132	0.0109	0.3949	1.1191	1.5381
30 mph	(0.0006)	(0.0000)	(0.0002)	0.0008	0.0240	0.0197	0.5992	1.6895	2.3324
35 mph	(0.0012)	(0.0000)	(0.0005)	0.0017	0.0541	0.0443	0.5391	1.5582	2.1957
40 mph	(0.0013)	(0.0000)	(0.0005)	0.0018	0.0585	0.0475	0.4552	1.3042	1.8655
45 mph	(0.0010)	(0.0000)	(0.0004)	0.0014	0.0457	0.0366	0.3142	0.8956	1.2921
50 mph	(0.0011)	(0.0000)	(0.0004)	0.0016	0.0539	0.0427	0.1546	0.4311	0.6824
55 mph	(0.0007)	(0.0000)	(0.0002)	0.0009	0.0313	0.0245	0.0790	0.2212	0.3560
60 mph	(0.0004)	(0.0000)	(0.0002)	0.0006	0.0189	0.0148	5.8493	16.2618	22.1448
65 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0064	0.0049	-	-	0.0114
70 mph	(0.0079)	(0.0001)	(0.0029)	0.0113	0.3012	0.2320	-	-	0.5336
total	(0.0155)	(0.0001)	(0.0057)	0.0219	0.6368	0.5020	8.6430	24.2222	34.0046

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0002	0.0001	0.0005	0.0010	0.0018
15 mph	0.0021	0.0000	0.0008	0.0010	0.0174	0.0143	0.1269	0.3794	0.5417
25 mph	-	-	-	-	0.0250	0.0206	0.4143	1.1741	1.6340
35 mph	0.0048	0.0000	0.0018	0.0021	-	-	-	-	0.0088
total	0.0069	0.0001	0.0026	0.0031	0.0425	0.0350	0.5417	1.5545	2.1864

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0002	0.0001	0.0005	0.0010	0.0018
10 mph	0.0002	0.0000	0.0001	0.0021	0.0452	0.0364	0.2444	0.8010	1.1294
15 mph	0.0020	0.0000	0.0007	0.0019	0.0344	0.0282	0.1914	0.5724	0.8310
20 mph	0.0000	0.0000	0.0000	0.0012	0.0216	0.0177	0.3675	1.0580	1.4661
25 mph	0.0007	0.0000	0.0003	0.0045	0.1009	0.0833	1.3391	3.7946	5.3235
30 mph	0.0004	0.0000	0.0002	0.0046	0.0868	0.0711	1.0255	2.8916	4.0803
35 mph	0.0044	0.0000	0.0016	0.0067	0.1056	0.0866	0.7117	2.0571	2.9736
40 mph	(0.0010)	(0.0000)	(0.0004)	0.0027	0.0752	0.0611	0.6319	1.8103	2.5798
45 mph	(0.0008)	(0.0000)	(0.0003)	0.0021	0.0593	0.0474	0.4483	1.2779	1.8339
50 mph	(0.0009)	(0.0000)	(0.0003)	0.0023	0.0682	0.0540	0.3692	1.0293	1.5217
55 mph	(0.0005)	(0.0000)	(0.0002)	0.0015	0.0432	0.0339	0.1296	0.3628	0.5703
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0019	0.0430	0.0335	5.9028	16.4106	22.3916
65 mph	(0.0001)	(0.0000)	(0.0000)	0.0004	0.0095	0.0073	-	-	0.0170
70 mph	(0.0079)	(0.0001)	(0.0029)	0.0113	0.3012	0.2320	-	-	0.5336
total	(0.0036)	(0.0000)	(0.0013)	0.0432	0.9942	0.7928	11.3618	32.0667	45.2537

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0795	0.0795
15 mph								0.0222	0.0222
20 mph								0.0388	0.0388
25 mph								0.1962	0.1962
30 mph								0.1685	0.1685
35 mph								0.0723	0.0723
40 mph								0.0771	0.0771
45 mph								0.0595	0.0595
50 mph								0.0937	0.0937
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.8078	0.8078

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0908	0.0908
25 mph								0.1463	0.1463
30 mph								0.2368	0.2368
35 mph								0.2257	0.2257
40 mph								0.1986	0.1986
45 mph								0.1394	0.1394
50 mph								0.0676	0.0676
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.6996	0.6996

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0001	0.0001
15 mph								0.0437	0.0437
25 mph								0.1534	0.1534
35 mph								-	-
total	-	-	-	-	-	-	-	0.1973	0.1973

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0001	0.0001
10 mph								0.0795	0.0795
15 mph								0.0659	0.0659
20 mph								0.1296	0.1296
25 mph								0.4959	0.4959
30 mph								0.4052	0.4052
35 mph								0.2980	0.2980
40 mph								0.2757	0.2757
45 mph								0.1989	0.1989
50 mph								0.1613	0.1613
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.1102	2.1102

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0008	0.0003	0.0008	0.0011	0.0031
10 mph	0.0021	0.0003	0.0012	0.0127	0.0522	0.0388	0.2500	0.8808	1.2380
15 mph	0.0262	0.0035	0.0143	0.0118	0.0415	0.0307	0.1963	0.6385	0.9628
20 mph	0.0007	0.0001	0.0004	0.0082	0.0264	0.0194	0.3774	1.1881	1.6206
25 mph	0.0113	0.0015	0.0061	0.0315	0.1243	0.0912	1.3761	4.2924	5.9344
30 mph	0.0070	0.0009	0.0038	0.0347	0.1075	0.0781	1.0548	3.2983	4.5851
35 mph	0.0746	0.0098	0.0404	0.0515	0.1297	0.0945	0.7327	2.3561	3.4895
40 mph	(0.0181)	(0.0024)	(0.0098)	0.0211	0.0923	0.0667	0.6513	2.0870	2.8881
45 mph	(0.0139)	(0.0019)	(0.0076)	0.0166	0.0728	0.0518	0.4623	1.4776	2.0577
50 mph	(0.0159)	(0.0022)	(0.0087)	0.0179	0.0831	0.0588	0.3809	1.1912	1.7051
55 mph	(0.0081)	(0.0011)	(0.0045)	0.0116	0.0524	0.0368	0.1336	0.3630	0.5837
60 mph	(0.0012)	(0.0002)	(0.0007)	0.0141	0.0524	0.0365	6.0859	16.4202	22.6072
65 mph	(0.0016)	(0.0002)	(0.0009)	0.0029	0.0116	0.0080	-	-	0.0197
70 mph	(0.1138)	(0.0179)	(0.0633)	0.0771	0.3755	0.2536	-	-	0.5111
STREX	0.0338	0.0029	0.0159	0.0660	0.0284	0.0087	0.0103	0.0000	0.1662
total	(0.0170)	(0.0069)	(0.0132)	0.3777	1.2509	0.8741	11.7124	34.1944	**48.3724**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0247	0.0279	0.0311	0.0339	0.0403	0.0401	0.0290	0.0143
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0338	0.0029	0.0159	0.0660	0.0284	0.0087	0.0103	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0338	0.0029	0.0159	0.0660	0.0284	0.0087	0.0103	0.0000

World Logistics Center
Mobile Emissions - 2023 (Net) -Unmitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					2.2858	2.3006	3.3426	3.4549
10 mph	0.0107	0.0250	0.0168	0.0218	0.0233	0.0188	0.0488	0.4421
15 mph	0.0072	0.0170	0.0113	0.0148	0.0159	0.0127	0.0324	0.2953
20 mph	0.0051	0.0122	0.0080	0.0105	0.0116	0.0091	0.0229	0.2097
25 mph	0.0037	0.0092	0.0060	0.0078	0.0087	0.0068	0.0167	0.1592
30 mph	0.0029	0.0073	0.0047	0.0061	0.0070	0.0053	0.0128	0.1268
35 mph	0.0024	0.0060	0.0038	0.0050	0.0058	0.0044	0.0104	0.1069
40 mph	0.0021	0.0053	0.0033	0.0044	0.0052	0.0039	0.0091	0.0939
45 mph	0.0019	0.0048	0.0030	0.0040	0.0049	0.0035	0.0082	0.0877
50 mph	0.0018	0.0047	0.0029	0.0039	0.0048	0.0035	0.0082	0.0851
55 mph	0.0019	0.0047	0.0030	0.0039	0.0049	0.0035	0.0082	0.0884
60 mph	0.0020	0.0049	0.0031	0.0042	0.0053	0.0038	0.0090	0.0934
65 mph	0.0022	0.0054	0.0034	0.0046	0.0061	0.0044		
70 mph	0.0023	0.0065	0.0036	0.0048	0.0063	0.0041		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0352	0.1122
10 mph	0.0060	0.0245	0.0091	0.0057	0.0250	0.0251	0.0241	0.0173
15 mph	0.0032	0.0170	0.0045	0.0029	0.0134	0.0133	0.0126	0.0118
20 mph	0.0015	0.0124	0.0019	0.0012	0.0066	0.0064	0.0062	0.0078
25 mph	0.0010	0.0098	0.0012	0.0008	0.0045	0.0044	0.0046	0.0051
30 mph	0.0008	0.0082	0.0009	0.0006	0.0036	0.0035	0.0037	0.0041
35 mph	0.0006	0.0072	0.0007	0.0005	0.0031	0.0029	0.0031	0.0032
40 mph	0.0005	0.0066	0.0006	0.0004	0.0027	0.0026	0.0026	0.0027
45 mph	0.0005	0.0063	0.0005	0.0004	0.0025	0.0023	0.0023	0.0023
50 mph	0.0005	0.0063	0.0005	0.0003	0.0024	0.0022	0.0021	0.0021
55 mph	0.0004	0.0066	0.0004	0.0003	0.0024	0.0022	0.0022	0.0021
60 mph	0.0005	0.0072	0.0004	0.0003	0.0024	0.0022	0.0023	0.0022
65 mph	0.0005	0.0083	0.0004	0.0003	0.0028	0.0026		
70 mph	0.0005	0.0100	0.0005	0.0003	0.0042	0.0035		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								2.0206
10 mph								12.9152
15 mph								8.6406
20 mph								5.9498
25 mph								4.3739
30 mph								3.2691
35 mph								2.4494
40 mph								1.8428
45 mph								1.3961
50 mph								1.0704
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0084	0.0015	0.0049	0.0146	0.0067	0.0017	0.0083	0.0005	0.0466
15 mph	0.0022	0.0004	0.0013	0.0039	0.0018	0.0005	0.0018	0.0001	0.0122
20 mph	0.0032	0.0006	0.0019	0.0056	0.0027	0.0007	0.0026	0.0002	0.0173
25 mph	0.0117	0.0022	0.0070	0.0209	0.0101	0.0024	0.0104	0.0007	0.0653
30 mph	0.0100	0.0019	0.0060	0.0179	0.0089	0.0021	0.0072	0.0005	0.0545
35 mph	0.0067	0.0013	0.0040	0.0120	0.0061	0.0014	0.0026	0.0002	0.0343
40 mph	0.0019	0.0004	0.0012	0.0035	0.0018	0.0004	0.0026	0.0002	0.0120
45 mph	0.0015	0.0003	0.0009	0.0027	0.0014	0.0003	0.0019	0.0001	0.0091
50 mph	0.0014	0.0003	0.0009	0.0026	0.0014	0.0003	0.0030	0.0002	0.0101
55 mph	0.0012	0.0002	0.0007	0.0021	0.0011	0.0003	0.0007	0.0001	0.0063
60 mph	0.0024	0.0005	0.0015	0.0045	0.0025	0.0005	0.0008	0.0001	0.0126
65 mph	0.0003	0.0001	0.0002	0.0006	0.0004	0.0001	-	-	0.0016
70 mph	-	-	-	-	-	-	-	-	-
total	0.0510	0.0095	0.0304	0.0909	0.0449	0.0106	0.0418	0.0028	0.2818

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0054)	(0.0010)	(0.0032)	0.0036	0.0028	0.0007	-	-	(0.0024)
15 mph	(0.0036)	(0.0006)	(0.0021)	0.0024	0.0019	0.0005	-	-	(0.0016)
20 mph	(0.0026)	(0.0005)	(0.0015)	0.0017	0.0014	0.0003	0.0061	0.0004	0.0054
25 mph	(0.0038)	(0.0007)	(0.0023)	0.0026	0.0021	0.0005	0.0077	0.0005	0.0067
30 mph	(0.0059)	(0.0011)	(0.0035)	0.0040	0.0034	0.0008	0.0102	0.0007	0.0085
35 mph	(0.0108)	(0.0021)	(0.0065)	0.0074	0.0064	0.0015	0.0082	0.0006	0.0047
40 mph	(0.0104)	(0.0020)	(0.0063)	0.0072	0.0063	0.0015	0.0066	0.0005	0.0034
45 mph	(0.0077)	(0.0015)	(0.0046)	0.0053	0.0047	0.0011	0.0044	0.0003	0.0020
50 mph	(0.0083)	(0.0016)	(0.0050)	0.0058	0.0052	0.0012	0.0022	0.0002	(0.0005)
55 mph	(0.0047)	(0.0009)	(0.0028)	0.0032	0.0030	0.0007	0.0011	0.0001	(0.0003)
60 mph	(0.0030)	(0.0006)	(0.0018)	0.0021	0.0019	0.0004	0.0836	0.0059	0.0886
65 mph	(0.0011)	(0.0002)	(0.0006)	0.0008	0.0007	0.0002	-	-	(0.0003)
70 mph	(0.0529)	(0.0114)	(0.0316)	0.0364	0.0353	0.0070	-	-	(0.0172)
total	(0.1201)	(0.0241)	(0.0718)	0.0824	0.0754	0.0163	0.1300	0.0090	0.0971

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1104	0.0344	0.0761	0.0008	0.2217
15 mph	0.0299	0.0053	0.0176	0.0068	0.0039	0.0010	0.0036	0.0002	0.0682
25 mph	-	-	-	-	0.0040	0.0010	0.0081	0.0005	0.0136
35 mph	0.0424	0.0081	0.0255	0.0091	-	-	-	-	0.0851
total	0.0722	0.0135	0.0430	0.0159	0.1183	0.0363	0.0878	0.0015	0.3886

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1104	0.0344	0.0761	0.0008	0.2217
10 mph	0.0030	0.0005	0.0017	0.0181	0.0096	0.0024	0.0083	0.0005	0.0441
15 mph	0.0285	0.0051	0.0168	0.0132	0.0076	0.0019	0.0054	0.0003	0.0788
20 mph	0.0006	0.0001	0.0004	0.0074	0.0041	0.0010	0.0087	0.0005	0.0227
25 mph	0.0079	0.0015	0.0047	0.0234	0.0163	0.0039	0.0262	0.0017	0.0856
30 mph	0.0041	0.0008	0.0025	0.0219	0.0122	0.0029	0.0174	0.0012	0.0630
35 mph	0.0383	0.0074	0.0230	0.0285	0.0125	0.0029	0.0109	0.0008	0.1242
40 mph	(0.0085)	(0.0016)	(0.0051)	0.0107	0.0081	0.0019	0.0092	0.0006	0.0153
45 mph	(0.0062)	(0.0012)	(0.0037)	0.0080	0.0061	0.0014	0.0062	0.0004	0.0111
50 mph	(0.0069)	(0.0013)	(0.0041)	0.0084	0.0066	0.0015	0.0052	0.0004	0.0096
55 mph	(0.0035)	(0.0007)	(0.0021)	0.0053	0.0041	0.0009	0.0018	0.0001	0.0060
60 mph	(0.0005)	(0.0001)	(0.0003)	0.0065	0.0044	0.0010	0.0844	0.0059	0.1013
65 mph	(0.0008)	(0.0001)	(0.0004)	0.0014	0.0011	0.0002	-	-	0.0014
70 mph	(0.0529)	(0.0114)	(0.0316)	0.0364	0.0353	0.0070	-	-	(0.0172)
total	0.0032	(0.0011)	0.0016	0.1892	0.2385	0.0632	0.2597	0.0133	0.7675

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0001	0.0052	0.0037	0.0194	0.0267	0.0552
15 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0008	0.0034	0.0061	0.0114
20 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0008	0.0033	0.0080	0.0133
25 mph	0.0000	0.0000	0.0000	0.0000	0.0037	0.0026	0.0135	0.0292	0.0491
30 mph	0.0000	0.0000	0.0000	0.0000	0.0033	0.0023	0.0100	0.0211	0.0367
35 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0016	0.0037	0.0075	0.0151
40 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0035	0.0069	0.0115
45 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	0.0024	0.0047	0.0080
50 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	0.0038	0.0072	0.0117
55 mph	0.0000	0.0000	0.0000	0.0000	0.0004	0.0003	0.0009	0.0016	0.0031
60 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0005	0.0009	0.0017	0.0040
65 mph	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	-	-	0.0002
70 mph	-	-	-	-	-	-	-	-	-
total	0.0002	0.0000	0.0001	0.0003	0.0197	0.0138	0.0648	0.1206	0.2193

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0022	0.0016	-	-	0.0037
15 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0012	0.0008	-	-	0.0020
20 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0006	0.0004	0.0078	0.0188	0.0276
25 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0008	0.0005	0.0101	0.0217	0.0331
30 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0013	0.0009	0.0141	0.0296	0.0458
35 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0024	0.0016	0.0116	0.0233	0.0389
40 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0024	0.0016	0.0090	0.0177	0.0306
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0017	0.0012	0.0057	0.0111	0.0196
50 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0019	0.0013	0.0027	0.0052	0.0110
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0010	0.0007	0.0014	0.0025	0.0055
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0006	0.0004	0.0996	0.1896	0.2903
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0167	0.0100	-	-	0.0267
total	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0329	0.0212	0.1618	0.3196	0.5353

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0051	0.0037	0.0038	0.0233	0.0359
15 mph	0.0001	0.0000	0.0000	0.0000	0.0023	0.0017	0.0067	0.0119	0.0228
25 mph	-	-	-	-	0.0015	0.0010	0.0106	0.0228	0.0359
35 mph	0.0001	0.0000	0.0000	0.0000	-	-	-	-	0.0002
total	0.0002	0.0000	0.0001	0.0000	0.0089	0.0064	0.0210	0.0580	0.0947

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0051	0.0037	0.0038	0.0233	0.0359
10 mph	0.0000	0.0000	0.0000	0.0001	0.0074	0.0053	0.0194	0.0267	0.0589
15 mph	0.0001	0.0000	0.0000	0.0001	0.0046	0.0033	0.0101	0.0180	0.0361
20 mph	0.0000	0.0000	0.0000	0.0000	0.0017	0.0012	0.0112	0.0269	0.0409
25 mph	0.0000	0.0000	0.0000	0.0001	0.0060	0.0042	0.0341	0.0737	0.1181
30 mph	0.0000	0.0000	0.0000	0.0000	0.0045	0.0031	0.0241	0.0507	0.0825
35 mph	0.0001	0.0000	0.0000	0.0001	0.0047	0.0032	0.0152	0.0308	0.0541
40 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0030	0.0021	0.0124	0.0245	0.0420
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0022	0.0015	0.0081	0.0158	0.0277
50 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0024	0.0016	0.0065	0.0123	0.0227
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0014	0.0009	0.0022	0.0041	0.0087
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0014	0.0010	0.1005	0.1914	0.2943
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0004	0.0002	-	-	0.0006
70 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0167	0.0100	-	-	0.0267
total	0.0001	(0.0000)	0.0000	0.0005	0.0615	0.0413	0.2476	0.4982	0.8493

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1.0503	1.0503
15 mph								0.2342	0.2342
20 mph								0.3226	0.3226
25 mph								1.3042	1.3042
30 mph								0.8862	0.8862
35 mph								0.2988	0.2988
40 mph								0.2498	0.2498
45 mph								0.1514	0.1514
50 mph								0.1886	0.1886
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	4.6859	4.6859

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.7556	0.7556
25 mph								0.9721	0.9721
30 mph								1.2455	1.2455
35 mph								0.9332	0.9332
40 mph								0.6436	0.6436
45 mph								0.3546	0.3546
50 mph								0.1359	0.1359
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.9064	3.9064

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0221	0.0221
15 mph								0.4604	0.4604
25 mph								1.0199	1.0199
35 mph								-	-
total	-	-	-	-	-	-	-	1.5024	1.5024

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0221	0.0221
10 mph								1.0503	1.0503
15 mph								0.6946	0.6946
20 mph								1.0782	1.0782
25 mph								3.2962	3.2962
30 mph								2.1316	2.1316
35 mph								1.2320	1.2320
40 mph								0.8933	0.8933
45 mph								0.5060	0.5060
50 mph								0.3245	0.3245
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	11.2288	11.2288

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1155	0.0381	0.0800	0.0462	0.2797
10 mph	0.0030	0.0005	0.0017	0.0182	0.0169	0.0077	0.0277	1.0775	1.1533
15 mph	0.0286	0.0051	0.0168	0.0132	0.0122	0.0052	0.0155	0.7129	0.8095
20 mph	0.0006	0.0001	0.0004	0.0074	0.0057	0.0022	0.0198	1.1056	1.1418
25 mph	0.0079	0.0015	0.0047	0.0235	0.0223	0.0081	0.0603	3.3716	3.4999
30 mph	0.0041	0.0008	0.0025	0.0220	0.0168	0.0060	0.0414	2.1835	2.2772
35 mph	0.0384	0.0074	0.0230	0.0286	0.0172	0.0061	0.0261	1.2635	1.4102
40 mph	(0.0085)	(0.0016)	(0.0051)	0.0107	0.0112	0.0039	0.0216	0.9185	0.9507
45 mph	(0.0062)	(0.0012)	(0.0037)	0.0080	0.0084	0.0029	0.0143	0.5222	0.5447
50 mph	(0.0069)	(0.0013)	(0.0041)	0.0084	0.0090	0.0031	0.0116	0.3372	0.3569
55 mph	(0.0035)	(0.0007)	(0.0021)	0.0053	0.0055	0.0019	0.0040	0.0042	0.0146
60 mph	(0.0005)	(0.0001)	(0.0003)	0.0065	0.0058	0.0019	0.1849	0.1973	0.3956
65 mph	(0.0008)	(0.0001)	(0.0004)	0.0014	0.0015	0.0005	-	-	0.0020
70 mph	(0.0530)	(0.0114)	(0.0317)	0.0365	0.0520	0.0171	-	-	0.0095
STREX	0.0668	0.0072	0.0335	0.1534	0.0167	0.0051	0.0136	0.0000	0.2963
total	0.0700	0.0061	0.0351	0.3431	0.3167	0.1097	0.5209	11.7402	**13.1419**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0488	0.0695	0.0655	0.0788	0.0236	0.0236	0.0382	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0668	0.0072	0.0335	0.1534	0.0167	0.0051	0.0136	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0668	0.0072	0.0335	0.1534	0.0167	0.0051	0.0136	0.0000

World Logistics Center
Mobile Emissions - 2023 (Net) -Unmitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,540.60	5,296.82	13,519.28	23,640.89
10 mph	496.25	578.37	617.80	758.18	1,504.45	1,729.76	3,131.04	3,844.10
15 mph	405.80	472.73	504.90	619.12	1,228.99	1,412.42	2,560.60	3,150.64
20 mph	337.48	393.16	419.87	514.91	1,021.66	1,174.31	2,126.50	2,623.61
25 mph	288.61	336.37	359.17	440.86	873.39	1,003.87	1,819.15	2,244.85
30 mph	256.13	298.64	318.87	391.86	775.26	891.12	1,615.78	1,991.58
35 mph	237.50	277.08	295.80	364.12	719.02	826.54	1,498.46	1,844.31
40 mph	230.16	268.51	286.62	352.90	696.08	800.21	1,450.18	1,783.30
45 mph	231.36	269.74	287.94	354.38	698.61	803.12	1,455.88	1,785.31
50 mph	238.38	277.90	296.56	365.31	719.29	826.51	1,497.88	1,835.37
55 mph	247.67	288.72	308.18	379.89	748.89	860.47	1,557.29	1,908.68
60 mph	254.96	297.49	317.86	392.30	779.13	895.18	1,620.06	1,984.86
65 mph	261.26	305.45	326.38	403.57	803.00	922.16		
70 mph	263.91	310.59	329.17	412.82	815.46	932.77		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,733.87	6,001.43	6,282.22	5,787.21
10 mph	413.48	883.55	560.03	697.90	979.37	1,095.25	1,927.01	3,297.15
15 mph	340.18	734.62	464.52	591.19	637.37	726.74	1,526.48	2,383.14
20 mph	279.06	603.38	381.61	491.06	543.61	620.24	1,300.23	1,954.39
25 mph	233.93	504.17	320.00	416.03	482.44	553.05	1,139.30	1,685.50
30 mph	202.64	434.10	276.71	360.07	438.62	499.34	1,008.38	1,484.41
35 mph	183.21	389.44	249.68	327.59	439.59	500.37	907.24	1,368.98
40 mph	171.46	362.93	233.01	306.61	428.07	482.64	835.70	1,250.01
45 mph	165.63	350.24	224.68	294.99	417.75	464.15	793.15	1,180.27
50 mph	166.16	350.55	224.93	296.72	438.36	481.74	780.71	1,136.39
55 mph	173.82	366.28	235.13	313.18	457.80	498.32	797.61	1,165.95
60 mph	188.50	397.10	254.75	339.04	461.85	499.56	843.75	1,224.63
65 mph	211.94	442.73	286.08	381.78	469.38	502.52		
70 mph	230.52	462.43	305.76	417.08	478.91	512.18		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,949.72
10 mph								4,794.09
15 mph								4,022.90
20 mph								3,508.39
25 mph								3,228.17
30 mph								3,048.43
35 mph								2,906.19
40 mph								2,789.82
45 mph								2,692.43
50 mph								2,609.61
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	388.24	34.12	180.69	506.56	435.35	154.91	530.65	4.42	2,234.95
15 mph	126.99	11.16	59.07	165.46	142.26	50.60	144.66	1.21	701.39
20 mph	211.22	18.56	98.24	275.22	236.52	84.13	240.27	2.01	1,166.16
25 mph	903.16	79.38	420.18	1,178.21	1,010.95	359.60	1,130.48	9.47	5,091.44
30 mph	881.65	77.52	410.34	1,151.98	987.11	351.14	912.82	7.64	4,780.20
35 mph	668.89	58.85	311.44	875.80	749.04	266.47	380.94	3.18	3,314.62
40 mph	216.07	19.01	100.59	282.94	241.71	85.99	409.63	3.42	1,359.38
45 mph	181.00	15.91	84.21	236.77	202.16	71.92	328.99	2.74	1,123.72
50 mph	186.49	16.39	86.73	244.08	208.15	74.02	550.04	4.58	1,370.47
55 mph	155.01	13.63	72.11	203.05	173.37	61.65	131.97	1.10	811.87
60 mph	319.15	28.08	148.74	419.38	360.74	128.27	137.29	1.14	1,542.78
65 mph	40.88	3.60	19.09	53.93	46.47	16.52	-	-	180.49
70 mph	-	-	-	-	-	-	-	-	-
total	4,278.74	376.20	1,991.45	5,593.39	4,793.83	1,705.22	4,897.74	40.92	23,677.48

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(250.67)	(22.03)	(116.67)	124.58	182.98	65.11	-	-	(16.71)
15 mph	(204.98)	(18.01)	(95.34)	101.73	149.48	53.16	-	-	(13.97)
20 mph	(170.47)	(14.98)	(79.29)	84.60	124.26	44.20	562.83	4.72	555.87
25 mph	(291.57)	(25.63)	(135.65)	144.88	212.45	75.57	842.59	7.06	829.70
30 mph	(517.51)	(45.50)	(240.86)	257.55	377.16	134.17	1,282.96	10.74	1,258.70
35 mph	(1,079.72)	(94.99)	(502.72)	538.45	787.05	280.00	1,189.81	9.95	1,127.83
40 mph	(1,162.61)	(102.28)	(541.26)	579.86	846.60	301.20	1,055.52	8.81	985.83
45 mph	(934.95)	(82.20)	(435.00)	465.83	679.74	241.83	770.67	6.42	712.34
50 mph	(1,083.71)	(95.27)	(504.02)	540.22	787.35	279.99	396.45	3.30	324.31
55 mph	(625.52)	(54.99)	(290.98)	312.10	455.42	161.94	206.09	1.72	165.77
60 mph	(386.37)	(34.00)	(180.07)	193.38	284.28	101.08	15,007.60	124.87	15,110.78
65 mph	(131.97)	(11.63)	(61.63)	66.31	97.66	34.71	-	-	(6.56)
70 mph	(6,132.24)	(544.22)	(2,859.40)	3,120.20	4,562.25	1,615.02	-	-	(238.38)
total	(12,972.30)	(1,145.71)	(6,042.90)	6,529.68	9,546.67	3,387.96	21,314.52	177.58	20,795.51

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	219.30	79.17	307.98	5.32	611.77
15 mph	1,684.96	148.02	783.73	285.02	298.02	105.99	284.36	2.38	3,592.47
25 mph	-	-	-	-	402.23	143.07	884.03	7.41	1,436.74
35 mph	4,243.01	373.28	1,975.57	662.75	-	-	-	-	7,254.61
total	5,927.97	521.29	2,759.30	947.77	919.54	328.24	1,476.37	15.10	12,895.58

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	219.30	79.17	307.98	5.32	611.77
10 mph	137.56	12.09	64.02	631.14	618.33	220.02	530.65	4.42	2,218.24
15 mph	1,606.96	141.16	747.45	552.21	589.75	209.75	429.02	3.58	4,279.89
20 mph	40.75	3.58	18.95	359.83	360.77	128.33	803.10	6.73	1,722.03
25 mph	611.58	53.75	284.53	1,323.08	1,625.63	578.25	2,857.10	23.94	7,357.87
30 mph	364.14	32.02	169.48	1,409.53	1,364.27	485.30	2,195.78	18.38	6,038.90
35 mph	3,832.18	337.14	1,784.29	2,077.01	1,536.09	546.47	1,570.76	13.13	11,697.05
40 mph	(946.54)	(83.27)	(440.67)	862.80	1,088.31	387.19	1,465.15	12.24	2,345.22
45 mph	(753.95)	(66.28)	(350.79)	702.60	881.90	313.76	1,099.66	9.16	1,836.06
50 mph	(897.22)	(78.88)	(417.28)	784.30	995.49	354.00	946.49	7.88	1,694.78
55 mph	(470.51)	(41.36)	(218.88)	515.15	628.79	223.59	338.05	2.81	977.64
60 mph	(67.22)	(5.91)	(31.33)	612.76	645.02	229.35	15,144.89	126.01	16,653.56
65 mph	(91.09)	(8.03)	(42.54)	120.24	144.14	51.23	-	-	173.93
70 mph	(6,132.24)	(544.22)	(2,859.40)	3,120.20	4,562.25	1,615.02	-	-	(238.38)
total	(2,765.59)	(248.21)	(1,292.16)	13,070.84	15,260.04	5,421.42	27,688.63	233.61	57,368.57

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	3.05	0.02	1.12	10.63	202.67	163.26	1,554.90	5,096.03	7,031.68
15 mph	1.00	0.01	0.37	3.60	52.76	43.33	410.57	1,227.78	1,739.43
20 mph	1.65	0.01	0.61	5.98	89.99	73.96	699.43	2,013.79	2,885.43
25 mph	6.90	0.06	2.56	25.34	399.33	329.76	3,370.73	9,552.00	13,686.68
30 mph	6.58	0.05	2.43	24.12	399.37	327.50	2,712.18	7,647.60	11,119.85
35 mph	4.86	0.04	1.80	17.96	327.48	268.51	1,098.07	3,173.82	4,892.55
40 mph	1.52	0.01	0.56	5.60	106.30	86.33	1,123.87	3,220.00	4,544.19
45 mph	1.22	0.01	0.45	4.49	86.45	69.19	853.32	2,432.28	3,447.40
50 mph	1.23	0.01	0.45	4.52	90.71	71.81	1,364.89	3,805.50	5,339.12
55 mph	1.03	0.01	0.38	3.81	75.79	59.42	321.79	901.04	1,363.27
60 mph	2.22	0.02	0.82	8.26	152.92	119.15	340.41	946.39	1,570.18
65 mph	0.31	0.00	0.11	1.16	19.43	14.98	-	-	36.00
70 mph	-	-	-	-	-	-	-	-	-
total	31.56	0.26	11.66	115.47	2,003.21	1,627.21	13,850.17	40,016.23	57,655.77

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(1.97)	(0.02)	(0.72)	2.61	85.18	68.62	-	-	153.70
15 mph	(1.62)	(0.01)	(0.60)	2.21	55.44	45.53	-	-	100.95
20 mph	(1.33)	(0.01)	(0.49)	1.84	47.28	38.86	1,638.42	4,717.30	6,441.86
25 mph	(2.23)	(0.02)	(0.83)	3.12	83.92	69.30	2,512.34	7,119.49	9,785.10
30 mph	(3.86)	(0.03)	(1.43)	5.39	152.60	125.13	3,811.97	10,748.70	14,838.48
35 mph	(7.85)	(0.06)	(2.90)	11.04	344.10	282.14	3,429.64	9,912.90	13,969.00
40 mph	(8.16)	(0.07)	(3.01)	11.48	372.31	302.38	2,895.93	8,297.12	11,867.98
45 mph	(6.31)	(0.05)	(2.32)	8.84	290.67	232.63	1,998.89	5,697.61	8,219.97
50 mph	(7.12)	(0.06)	(2.61)	10.00	343.14	271.63	983.77	2,742.89	4,341.64
55 mph	(4.14)	(0.03)	(1.52)	5.86	199.08	156.10	502.53	1,407.12	2,265.01
60 mph	(2.69)	(0.02)	(0.99)	3.81	120.51	93.89	37,212.31	103,455.90	140,882.72
65 mph	(1.01)	(0.01)	(0.37)	1.43	40.82	31.48	-	-	72.35
70 mph	(50.49)	(0.39)	(18.16)	71.84	1,916.06	1,476.07	-	-	3,394.93
total	(98.78)	(0.78)	(35.95)	139.47	4,051.12	3,193.77	54,985.82	154,099.03	216,333.70

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	128.96	149.31	681.37	1,202.30	2,161.93
15 mph	13.31	0.11	4.93	6.20	110.52	90.78	807.07	2,413.48	3,446.41
25 mph	-	-	-	-	158.88	131.20	2,635.89	7,469.60	10,395.57
35 mph	30.85	0.25	11.40	13.59	-	-	-	-	56.09
total	44.17	0.36	16.33	19.79	398.37	371.28	4,124.32	11,085.38	16,060.01

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	128.96	149.31	681.37	1,202.30	2,161.93
10 mph	1.08	0.01	0.40	13.24	287.85	231.88	1,554.90	5,096.03	7,185.38
15 mph	12.70	0.10	4.70	12.02	218.72	179.64	1,217.64	3,641.27	5,286.78
20 mph	0.32	0.00	0.12	7.82	137.27	112.82	2,337.86	6,731.08	9,327.29
25 mph	4.67	0.04	1.73	28.45	642.14	530.26	8,518.97	24,141.10	33,867.36
30 mph	2.72	0.02	1.01	29.52	551.97	452.64	6,524.16	18,396.30	25,958.33
35 mph	27.87	0.23	10.30	42.58	671.59	550.65	4,527.71	13,086.72	18,917.64
40 mph	(6.65)	(0.05)	(2.45)	17.08	478.61	388.71	4,019.79	11,517.12	16,412.17
45 mph	(5.09)	(0.04)	(1.87)	13.33	377.12	301.82	2,852.21	8,129.89	11,667.37
50 mph	(5.90)	(0.05)	(2.16)	14.52	433.85	343.44	2,348.67	6,548.39	9,680.76
55 mph	(3.11)	(0.03)	(1.14)	9.68	274.87	215.52	824.33	2,308.15	3,628.28
60 mph	(0.47)	(0.00)	(0.17)	12.07	273.43	213.04	37,552.72	104,402.28	142,452.90
65 mph	(0.70)	(0.01)	(0.25)	2.59	60.25	46.46	-	-	108.35
70 mph	(50.49)	(0.39)	(18.16)	71.84	1,916.06	1,476.07	-	-	3,394.93
total	(23.05)	(0.16)	(7.96)	274.73	6,452.69	5,192.26	72,960.32	205,200.64	290,049.48

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								389.86	389.86
15 mph								109.05	109.05
20 mph								190.20	190.20
25 mph								962.56	962.56
30 mph								826.33	826.33
35 mph								354.50	354.50
40 mph								378.12	378.12
45 mph								291.93	291.93
50 mph								459.80	459.80
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3,962.35	3,962.35

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								445.55	445.55
25 mph								717.44	717.44
30 mph								1,161.41	1,161.41
35 mph								1,107.22	1,107.22
40 mph								974.31	974.31
45 mph								683.85	683.85
50 mph								331.41	331.41
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3,431.61	3,431.61

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								65.04	65.04
15 mph								214.36	214.36
25 mph								752.72	752.72
35 mph								-	-
total	-	-	-	-	-	-	-	1,032.11	1,032.11

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								65.04	65.04
10 mph								389.86	389.86
15 mph								323.41	323.41
20 mph								635.75	635.75
25 mph								2,432.71	2,432.71
30 mph								1,987.74	1,987.74
35 mph								1,461.72	1,461.72
40 mph								1,352.43	1,352.43
45 mph								975.79	975.79
50 mph								791.21	791.21
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	10,415.64	10,415.64

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	348.26	228.48	989.35	1,272.65	2,838.74
10 mph	138.64	12.10	64.42	644.38	906.18	451.89	2,085.55	5,490.31	9,793.48
15 mph	1,619.66	141.27	752.16	564.23	808.47	389.39	1,646.65	3,968.26	9,890.08
20 mph	41.06	3.58	19.07	367.65	498.05	241.15	3,140.95	7,373.56	11,685.08
25 mph	616.26	53.79	286.27	1,351.53	2,267.77	1,108.51	11,376.07	26,597.75	43,657.95
30 mph	366.86	32.04	170.49	1,439.04	1,916.24	937.94	8,719.94	20,402.43	33,984.97
35 mph	3,860.05	337.36	1,794.58	2,119.59	2,207.67	1,097.12	6,098.47	14,561.57	32,076.41
40 mph	(953.19)	(83.32)	(443.11)	879.88	1,566.93	775.90	5,484.94	12,881.78	20,109.81
45 mph	(759.04)	(66.32)	(352.66)	715.93	1,259.01	615.58	3,951.87	9,114.84	14,479.22
50 mph	(903.11)	(78.92)	(419.45)	798.82	1,429.34	697.45	3,295.16	7,347.47	12,166.75
55 mph	(473.63)	(41.39)	(220.02)	524.83	903.66	439.11	1,162.38	2,310.97	4,605.92
60 mph	(67.69)	(5.92)	(31.50)	624.83	918.45	442.39	52,697.61	104,528.30	159,106.46
65 mph	(91.79)	(8.04)	(42.80)	122.83	204.39	97.69	-	-	282.28
70 mph	(6,182.73)	(544.60)	(2,877.56)	3,192.04	6,478.31	3,091.08	-	-	3,156.55
STREX	72.83	6.45	34.62	162.50	13.20	4.63	13.57	0.12	307.92
total	(2,715.81)	(241.93)	(1,265.49)	13,508.07	21,725.92	10,618.31	100,662.52	215,850.01	**358,141.61**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	53.23	62.52	67.69	83.50	18.73	21.25	38.03	50.25
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	72.83	6.45	34.62	162.50	13.20	4.63	13.57	0.12
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	72.83	6.45	34.62	162.50	13.20	4.63	13.57	0.12

World Logistics Center
Mobile Emissions - 2024 (Net) - Unmitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
29.18	829.65	272.35	4.30	10.08	68.78	45.30	124.17	9.64	16.88	17.65	44.18	7.41	62.92	16.92	465,462.39

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
5.33	151.41	49.70	0.78	1.84	12.55	8.27	22.66	1.76	3.08	3.22	8.06	1.35	11.48	3.09	84,946.89

World Logistics Center
Mobile Emissions - 2024 (Net) - Unmitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	824.11	8.06	21.70	(21,003.56)	(205.43)	(553.09)
LDT1	62.24	0.03	0.73	(1,586.36)	(0.69)	(18.57)
LDT2	308.30	2.24	4.74	(7,857.46)	(57.11)	(120.76)
MDT	1,171.49	28.48	15.83	17,934.31	435.99	242.29
LHDT1	416.67	314.02	-	10,615.54	8,000.45	-
LHDT2	127.98	223.32	-	3,260.71	5,689.48	-
MHDT	208.82	1,034.05	-	9,398.91	46,541.57	-
HHDT	1.41	1,964.91	106.11	63.40	88,438.80	4,775.69

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	9,425.52	92.19	248.20	(30,429.08)	(297.62)	(801.30)
LDT1	711.89	0.31	8.33	(2,298.26)	(1.00)	(26.90)
LDT2	3,526.10	25.63	54.19	(11,383.56)	(82.74)	(174.95)
MDT	8,043.64	195.54	108.67	9,890.67	240.45	133.62
LHDT1	3,422.73	2,579.55	-	7,192.81	5,420.90	-
LHDT2	1,051.34	1,834.43	-	2,209.37	3,855.04	-
MHDT	1,653.28	8,186.73	-	7,745.63	38,354.83	-
HHDT	11.15	15,556.52	840.05	52.25	72,882.28	3,935.64

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	471.28	35.59	176.30	402.18	171.14	52.57	99.20	0.67	1,408.93
15 mph	188.51	14.24	70.52	160.87	68.45	21.03	33.07	0.22	556.91
20 mph	377.02	28.48	141.04	321.75	136.91	42.05	66.13	0.45	1,113.83
25 mph	1,885.10	142.38	705.22	1,608.73	684.55	210.27	363.72	2.45	5,602.42
30 mph	2,073.62	156.62	775.74	1,769.60	753.00	231.29	330.66	2.23	6,092.76
35 mph	1,696.59	128.14	634.70	1,447.86	616.09	189.24	148.80	1.00	4,862.42
40 mph	565.53	42.71	211.57	482.62	205.36	63.08	165.33	1.12	1,737.32
45 mph	471.28	35.59	176.30	402.18	171.14	52.57	132.26	0.89	1,442.22
50 mph	471.28	35.59	176.30	402.18	171.14	52.57	214.93	1.45	1,525.44
55 mph	377.02	28.48	141.04	321.75	136.91	42.05	49.60	0.33	1,097.18
60 mph	754.04	56.95	282.09	643.49	273.82	84.11	49.60	0.33	2,144.43
65 mph	94.26	7.12	35.26	80.44	34.23	10.51	-	-	261.81
70 mph	-	-	-	-	-	-	-	-	-
total	9,425.52	711.89	3,526.10	8,043.64	3,422.73	1,051.34	1,653.28	11.15	27,845.66

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(304.29)	(22.98)	(113.84)	98.91	71.93	22.09	-	-	(248.18)
15 mph	(304.29)	(22.98)	(113.84)	98.91	71.93	22.09	-	-	(248.18)
20 mph	(304.29)	(22.98)	(113.84)	98.91	71.93	22.09	154.91	1.04	(92.22)
25 mph	(608.58)	(45.97)	(227.67)	197.81	143.86	44.19	271.10	1.83	(223.44)
30 mph	(1,217.16)	(91.93)	(455.34)	395.63	287.71	88.37	464.74	3.13	(524.85)
35 mph	(2,738.62)	(206.84)	(1,024.52)	890.16	647.35	198.84	464.74	3.13	(1,765.75)
40 mph	(3,042.91)	(229.83)	(1,138.36)	989.07	719.28	220.94	426.01	2.87	(2,052.92)
45 mph	(2,434.33)	(183.86)	(910.68)	791.25	575.42	176.75	309.83	2.09	(1,673.53)
50 mph	(2,738.62)	(206.84)	(1,024.52)	890.16	647.35	198.84	154.91	1.04	(2,077.67)
55 mph	(1,521.45)	(114.91)	(569.18)	494.53	359.64	110.47	77.46	0.52	(1,162.92)
60 mph	(912.87)	(68.95)	(341.51)	296.72	215.78	66.28	5,421.94	36.57	4,713.97
65 mph	(304.29)	(22.98)	(113.84)	98.91	71.93	22.09	-	-	(248.18)
70 mph	(13,997.38)	(1,057.20)	(5,236.44)	4,549.71	3,308.69	1,016.31	-	-	(11,416.30)
total	(30,429.08)	(2,298.26)	(11,383.56)	9,890.67	7,192.81	2,209.37	7,745.63	52.25	(17,020.17)

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	28.56	8.77	13.33	0.13	50.80
15 mph	2,501.27	188.92	935.73	277.11	143.41	44.05	65.00	0.44	4,155.92
25 mph	-	-	-	-	272.36	83.66	284.43	1.92	642.36
35 mph	10,762.05	812.84	4,026.10	1,095.65	-	-	-	-	16,696.63
total	13,263.32	1,001.76	4,961.82	1,372.76	415.76	127.71	349.43	2.36	21,494.92

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	28.56	8.77	13.33	0.13	50.80
10 mph	166.99	12.61	62.47	501.09	243.06	74.66	99.20	0.67	1,160.75
15 mph	2,385.49	180.17	892.42	536.89	283.79	87.17	98.06	0.66	4,464.66
20 mph	72.73	5.49	27.21	420.65	208.84	64.15	221.04	1.49	1,021.60
25 mph	1,276.52	96.41	477.55	1,806.54	1,100.76	338.11	919.25	6.20	6,021.35
30 mph	856.45	64.69	320.40	2,165.23	1,040.71	319.67	795.39	5.37	5,567.91
35 mph	9,720.03	734.14	3,636.27	3,433.66	1,263.44	388.08	613.53	4.14	19,793.30
40 mph	(2,477.38)	(187.11)	(926.79)	1,471.69	924.64	284.02	591.34	3.99	(315.60)
45 mph	(1,963.05)	(148.27)	(734.38)	1,193.44	746.56	229.32	442.09	2.98	(231.31)
50 mph	(2,267.34)	(171.25)	(848.22)	1,292.34	818.49	251.41	369.84	2.49	(552.23)
55 mph	(1,144.43)	(86.44)	(428.13)	816.28	496.55	152.52	127.05	0.86	(65.74)
60 mph	(158.83)	(12.00)	(59.42)	940.21	489.60	150.39	5,471.54	36.91	6,858.40
65 mph	(210.04)	(15.86)	(78.57)	179.34	106.16	32.61	-	-	13.63
70 mph	(13,997.38)	(1,057.20)	(5,236.44)	4,549.71	3,308.69	1,016.31	-	-	(11,416.30)
total	(7,740.24)	(584.61)	(2,895.63)	19,307.07	11,031.30	3,388.42	9,748.34	65.76	32,320.41

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	4.61	0.02	1.28	9.78	128.98	91.72	491.20	933.39	1,660.98
15 mph	1.84	0.01	0.51	3.91	51.59	36.69	163.73	311.13	569.42
20 mph	3.69	0.01	1.03	7.82	103.18	73.38	327.47	622.26	1,138.84
25 mph	18.44	0.06	5.13	39.11	515.91	366.89	1,801.08	3,422.44	6,169.05
30 mph	20.28	0.07	5.64	43.02	567.50	403.58	1,637.35	3,111.30	5,788.74
35 mph	16.59	0.06	4.61	35.20	464.32	330.20	736.81	1,400.09	2,987.87
40 mph	5.53	0.02	1.54	11.73	154.77	110.07	818.67	1,555.65	2,657.99
45 mph	4.61	0.02	1.28	9.78	128.98	91.72	654.94	1,244.52	2,135.84
50 mph	4.61	0.02	1.28	9.78	128.98	91.72	1,064.28	2,022.35	3,323.01
55 mph	3.69	0.01	1.03	7.82	103.18	73.38	245.60	466.70	901.40
60 mph	7.38	0.02	2.05	15.64	206.36	146.75	245.60	466.70	1,090.51
65 mph	0.92	0.00	0.26	1.96	25.80	18.34	-	-	47.28
70 mph	-	-	-	-	-	-	-	-	-
total	92.19	0.31	25.63	195.54	2,579.55	1,834.43	8,186.73	15,556.52	28,470.92

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(2.98)	(0.01)	(0.83)	2.40	54.21	38.55	-	-	91.35
15 mph	(2.98)	(0.01)	(0.83)	2.40	54.21	38.55	-	-	91.35
20 mph	(2.98)	(0.01)	(0.83)	2.40	54.21	38.55	767.10	1,457.65	2,316.09
25 mph	(5.95)	(0.02)	(1.65)	4.81	108.42	77.10	1,342.42	2,550.88	4,076.00
30 mph	(11.90)	(0.04)	(3.31)	9.62	216.84	154.20	2,301.29	4,372.94	7,039.63
35 mph	(26.79)	(0.09)	(7.45)	21.64	487.88	346.95	2,301.29	4,372.94	7,496.38
40 mph	(29.76)	(0.10)	(8.27)	24.04	542.09	385.50	2,109.52	4,008.53	7,031.54
45 mph	(23.81)	(0.08)	(6.62)	19.24	433.67	308.40	1,534.19	2,915.29	5,180.29
50 mph	(26.79)	(0.09)	(7.45)	21.64	487.88	346.95	767.10	1,457.65	3,046.89
55 mph	(14.88)	(0.05)	(4.14)	12.02	271.04	192.75	383.55	728.82	1,569.12
60 mph	(8.93)	(0.03)	(2.48)	7.21	162.63	115.65	26,848.38	51,017.60	78,140.03
65 mph	(2.98)	(0.01)	(0.83)	2.40	54.21	38.55	-	-	91.35
70 mph	(136.91)	(0.46)	(38.06)	110.61	2,493.61	1,773.32	-	-	4,202.11
total	(297.62)	(1.00)	(82.74)	240.45	5,420.90	3,855.04	38,354.83	72,882.28	120,372.14

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	21.53	15.31	66.03	125.46	228.32
15 mph	24.46	0.08	6.80	6.74	108.08	76.86	321.86	611.60	1,156.48
25 mph	-	-	-	-	205.26	145.97	1,408.43	2,676.32	4,435.99
35 mph	105.26	0.35	29.26	26.64	-	-	-	-	161.51
total	129.73	0.43	36.06	33.37	313.34	222.83	1,730.29	3,287.92	5,753.98

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	21.53	15.31	66.03	125.46	228.32
10 mph	1.63	0.01	0.45	12.18	183.19	130.27	491.20	933.39	1,752.33
15 mph	23.33	0.08	6.49	13.05	213.88	152.10	485.59	922.73	1,817.25
20 mph	0.71	0.00	0.20	10.23	157.39	111.93	1,094.57	2,079.91	3,454.93
25 mph	12.49	0.04	3.47	43.92	829.59	589.96	4,551.93	8,649.64	14,681.04
30 mph	8.38	0.03	2.33	52.64	784.34	557.78	3,938.64	7,484.24	12,828.36
35 mph	95.07	0.32	26.43	83.47	952.20	677.15	3,038.10	5,773.02	10,645.76
40 mph	(24.23)	(0.08)	(6.74)	35.78	696.86	495.57	2,928.19	5,564.18	9,689.53
45 mph	(19.20)	(0.06)	(5.34)	29.01	562.65	400.12	2,189.13	4,159.81	7,316.13
50 mph	(22.18)	(0.07)	(6.16)	31.42	616.86	438.68	1,831.37	3,479.99	6,369.90
55 mph	(11.19)	(0.04)	(3.11)	19.84	374.23	266.13	629.15	1,195.52	2,470.53
60 mph	(1.55)	(0.01)	(0.43)	22.86	368.99	262.41	27,093.98	51,484.29	79,230.54
65 mph	(2.05)	(0.01)	(0.57)	4.36	80.00	56.89	-	-	138.63
70 mph	(136.91)	(0.46)	(38.06)	110.61	2,493.61	1,773.32	-	-	4,202.11
total	(75.71)	(0.25)	(21.05)	469.36	8,313.79	5,912.31	48,271.86	91,726.72	154,597.03

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	12.41	0.42	2.71	5.43	-	-	-	50.40	71.37
15 mph	4.96	0.17	1.08	2.17	-	-	-	16.80	25.19
20 mph	9.93	0.33	2.17	4.35	-	-	-	33.60	50.38
25 mph	49.64	1.67	10.84	21.73	-	-	-	184.81	268.69
30 mph	54.61	1.83	11.92	23.91	-	-	-	168.01	260.28
35 mph	44.68	1.50	9.75	19.56	-	-	-	75.60	151.10
40 mph	14.89	0.50	3.25	6.52	-	-	-	84.01	109.17
45 mph	12.41	0.42	2.71	5.43	-	-	-	67.20	88.17
50 mph	12.41	0.42	2.71	5.43	-	-	-	109.21	130.18
55 mph	9.93	0.33	2.17	4.35	-	-	-	25.20	41.98
60 mph	19.86	0.67	4.34	8.69	-	-	-	25.20	58.75
65 mph	2.48	0.08	0.54	1.09	-	-	-	-	4.19
70 mph	-	-	-	-	-	-	-	-	-
total	248.20	8.33	54.19	108.67	-	-	-	840.05	1,259.45

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(8.01)	(0.27)	(1.75)	1.34	-	-	-	-	(8.70)
15 mph	(8.01)	(0.27)	(1.75)	1.34	-	-	-	-	(8.70)
20 mph	(8.01)	(0.27)	(1.75)	1.34	-	-	-	78.71	70.02
25 mph	(16.03)	(0.54)	(3.50)	2.67	-	-	-	137.75	120.36
30 mph	(32.05)	(1.08)	(7.00)	5.34	-	-	-	236.14	201.36
35 mph	(72.12)	(2.42)	(15.75)	12.03	-	-	-	236.14	157.88
40 mph	(80.13)	(2.69)	(17.50)	13.36	-	-	-	216.46	129.51
45 mph	(64.10)	(2.15)	(14.00)	10.69	-	-	-	157.43	87.86
50 mph	(72.12)	(2.42)	(15.75)	12.03	-	-	-	78.71	0.45
55 mph	(40.06)	(1.35)	(8.75)	6.68	-	-	-	39.36	(4.12)
60 mph	(24.04)	(0.81)	(5.25)	4.01	-	-	-	2,754.95	2,728.86
65 mph	(8.01)	(0.27)	(1.75)	1.34	-	-	-	-	(8.70)
70 mph	(368.60)	(12.38)	(80.48)	61.47	-	-	-	-	(399.98)
total	(801.30)	(26.90)	(174.95)	133.62	-	-	-	3,935.64	3,066.11

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	6.77	6.77
15 mph	65.87	2.21	14.38	3.74	-	-	-	33.03	119.23
25 mph	-	-	-	-	-	-	-	144.52	144.52
35 mph	283.40	9.52	61.88	14.80	-	-	-	-	369.60
total	349.27	11.73	76.26	18.55	-	-	-	177.55	633.35

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	6.77	6.77
10 mph	4.40	0.15	0.96	6.77	-	-	-	50.40	62.68
15 mph	62.82	2.11	13.72	7.25	-	-	-	49.83	135.72
20 mph	1.92	0.06	0.42	5.68	-	-	-	112.31	120.40
25 mph	33.62	1.13	7.34	24.41	-	-	-	467.08	533.57
30 mph	22.55	0.76	4.92	29.25	-	-	-	404.15	461.64
35 mph	255.96	8.59	55.89	46.39	-	-	-	311.74	678.57
40 mph	(65.24)	(2.19)	(14.24)	19.88	-	-	-	300.47	238.68
45 mph	(51.69)	(1.74)	(11.29)	16.12	-	-	-	224.63	176.04
50 mph	(59.71)	(2.00)	(13.04)	17.46	-	-	-	187.92	130.63
55 mph	(30.14)	(1.01)	(6.58)	11.03	-	-	-	64.56	37.86
60 mph	(4.18)	(0.14)	(0.91)	12.70	-	-	-	2,780.15	2,787.61
65 mph	(5.53)	(0.19)	(1.21)	2.42	-	-	-	-	(4.50)
70 mph	(368.60)	(12.38)	(80.48)	61.47	-	-	-	-	(399.98)
total	381.26	12.80	83.24	119.75	-	-	-	1,395.52	4,958.91

World Logistics Center
Mobile Emissions - 2024 (Net) - Unmitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	12217	330	0.21	2565.6	2476.2	24.2	65.2
	LDT1	15	901	330	0.21	189.3	187.0	0.1	2.2
	LDT2	15	4511	330	0.21	947.3	926.3	6.7	14.2
	MDT	15	1359	330	0.21	285.4	275.0	6.7	3.7
	LHDT1	15	1194	330	0.21	250.8	143.0	107.8	0.0
	LHDT2	15	574	330	0.21	120.6	43.9	76.6	0.0
	MHDT	15	1828	330	0.21	383.9	64.5	319.4	0.0
	HHDT	15	3048	330	0.21	640.1	0.4	606.9	32.8
Travel at Light Logistics	LDA	15	88	175	0.11	9.7	9.3	0.1	0.2
	LDT1	15	6	175	0.11	0.7	0.7	0.0	0.0
	LDT2	15	32	175	0.11	3.6	3.5	0.0	0.1
	MDT	15	8	175	0.11	0.9	0.9	0.0	0.0
	LHDT1	15	5	175	0.11	0.5	0.3	0.2	0.0
	LHDT2	15	2	175	0.11	0.3	0.1	0.2	0.0
	MHDT	15	6	175	0.11	0.7	0.1	0.5	0.0
	HHDT	15	10	175	0.11	1.1	0.0	1.0	0.1
Travel at Utility	LDA	15	99	100	0.06	6.0	5.8	0.1	0.2
	LDT1	15	7	100	0.06	0.4	0.4	0.0	0.0
	LDT2	15	37	100	0.06	2.2	2.2	0.0	0.0
	MDT	15	21	100	0.06	1.3	1.2	0.0	0.0
	LHDT1	15	3	100	0.06	0.2	0.1	0.1	0.0
	LHDT2	15	2	100	0.06	0.1	0.0	0.1	0.0
	MHDT	15	6	100	0.06	0.4	0.1	0.3	0.0
	HHDT	15	10	100	0.06	0.6	0.0	0.6	0.0
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	64	50	0.03	1.9	0.3	1.6	0.0
	HHDT	15	107	50	0.03	3.2	0.0	3.1	0.2
Travel at Convenience Store	LDA	15	303	50	0.03	9.1	8.8	0.1	0.2
	LDT1	15	22	50	0.03	0.7	0.7	0.0	0.0
	LDT2	15	112	50	0.03	3.4	3.3	0.0	0.1
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	43	50	0.03	1.3	1.2	0.0	0.0
	LDT1	15	3	50	0.03	0.1	0.1	0.0	0.0
	LDT2	15	16	50	0.03	0.5	0.5	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2501.3	188.9	935.7	277.1	143.4	44.0	65.0	0.4
Diesel	24.5	0.1	6.8	6.7	108.1	76.9	321.9	611.6
Electric/Natural Gas (HHDT Only)	65.9	2.2	14.4	3.7	0.0	0.0	0.0	33.0

World Logistics Center
Mobile Emissions - 2024 (Net) - Unmitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	597	340	257	0	1702.3	1283.0	0.0
	LHDT2	5	287	105	182	0	522.9	912.4	0.0
	MHDT	5	914	154	760	0	767.9	3802.4	0.0
	HHDT	5	1524	1	1445	78	5.2	7225.3	390.2
Travel at Light Logistics	LHDT1	5	2	1	1	0	6.8	5.1	0.0
	LHDT2	5	1	0	1	0	2.1	3.7	0.0
	MHDT	5	3	0	2	0	2.5	12.3	0.0
	HHDT	5	5	0	5	0	0.0	23.4	1.3
Travel at Utility	LHDT1	5	2	1	1	0	4.6	3.5	0.0
	LHDT2	5	1	0	0	0	1.4	2.5	0.0
	MHDT	5	3	1	3	0	2.6	12.8	0.0
	HHDT	5	5	0	5	0	0.0	24.3	1.3
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	32	5	27	0	27.1	134.1	0.0
	HHDT	5	54	0	51	3	0.2	254.7	13.8
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	28.6	8.8	13.3	0.1
Diesel	21.5	15.3	66.0	125.5
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	6.8

World Logistics Center
Mobile Emissions - 2024 (Net) - Unmitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					16.9875	17.1180	26.9745	15.0492
10 mph	0.0344	0.0919	0.0590	0.0784	0.0931	0.0686	0.1849	1.9386
15 mph	0.0232	0.0627	0.0399	0.0534	0.0639	0.0466	0.1233	1.2947
20 mph	0.0163	0.0452	0.0284	0.0382	0.0469	0.0335	0.0876	0.9232
25 mph	0.0120	0.0340	0.0211	0.0283	0.0356	0.0249	0.0639	0.6987
30 mph	0.0093	0.0268	0.0164	0.0221	0.0284	0.0195	0.0490	0.5562
35 mph	0.0076	0.0223	0.0134	0.0181	0.0240	0.0162	0.0398	0.4686
40 mph	0.0066	0.0195	0.0117	0.0158	0.0215	0.0143	0.0350	0.4124
45 mph	0.0061	0.0178	0.0107	0.0146	0.0201	0.0132	0.0317	0.3847
50 mph	0.0059	0.0173	0.0103	0.0141	0.0198	0.0128	0.0312	0.3727
55 mph	0.0059	0.0174	0.0104	0.0143	0.0205	0.0131	0.0316	0.3866
60 mph	0.0063	0.0180	0.0109	0.0151	0.0221	0.0141	0.0346	0.4097
65 mph	0.0069	0.0197	0.0119	0.0165	0.0254	0.0162		
70 mph	0.0071	0.0235	0.0125	0.0172	0.0260	0.0148		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.6441	2.3891
10 mph	0.1191	0.5028	0.1945	0.1169	0.5402	0.5472	0.2773	0.2273
15 mph	0.0621	0.3457	0.0963	0.0582	0.2838	0.2832	0.1456	0.1504
20 mph	0.0284	0.2497	0.0389	0.0242	0.1348	0.1325	0.0734	0.0988
25 mph	0.0186	0.1969	0.0239	0.0152	0.0908	0.0885	0.0543	0.0678
30 mph	0.0144	0.1644	0.0182	0.0117	0.0724	0.0701	0.0442	0.0541
35 mph	0.0117	0.1443	0.0146	0.0095	0.0613	0.0587	0.0363	0.0428
40 mph	0.0100	0.1317	0.0122	0.0080	0.0539	0.0513	0.0307	0.0357
45 mph	0.0089	0.1253	0.0105	0.0070	0.0490	0.0463	0.0270	0.0312
50 mph	0.0083	0.1252	0.0093	0.0063	0.0468	0.0439	0.0258	0.0295
55 mph	0.0079	0.1312	0.0084	0.0058	0.0456	0.0426	0.0262	0.0293
60 mph	0.0081	0.1428	0.0082	0.0057	0.0468	0.0436	0.0277	0.0324
65 mph	0.0085	0.1650	0.0084	0.0060	0.0541	0.0497		
70 mph	0.0084	0.1965	0.0095	0.0066	0.0830	0.0698		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0889
10 mph								0.7702
15 mph								0.4761
20 mph								0.3005
25 mph								0.2223
30 mph								0.1705
35 mph								0.1315
40 mph								0.1025
45 mph								0.0811
50 mph								0.0658
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0357	0.0072	0.0229	0.0695	0.0351	0.0080	0.0404	0.0029	0.2218
15 mph	0.0096	0.0020	0.0062	0.0189	0.0096	0.0022	0.0090	0.0006	0.0582
20 mph	0.0136	0.0028	0.0088	0.0271	0.0142	0.0031	0.0128	0.0009	0.0833
25 mph	0.0500	0.0107	0.0327	0.1005	0.0538	0.0116	0.0513	0.0038	0.3143
30 mph	0.0427	0.0093	0.0281	0.0863	0.0472	0.0100	0.0358	0.0027	0.2620
35 mph	0.0284	0.0063	0.0188	0.0578	0.0326	0.0067	0.0131	0.0010	0.1648
40 mph	0.0082	0.0018	0.0055	0.0168	0.0097	0.0020	0.0128	0.0010	0.0578
45 mph	0.0063	0.0014	0.0042	0.0129	0.0076	0.0015	0.0092	0.0008	0.0439
50 mph	0.0061	0.0014	0.0040	0.0125	0.0075	0.0015	0.0148	0.0012	0.0489
55 mph	0.0049	0.0011	0.0032	0.0101	0.0062	0.0012	0.0035	0.0003	0.0305
60 mph	0.0104	0.0023	0.0068	0.0215	0.0133	0.0026	0.0038	0.0003	0.0610
65 mph	0.0014	0.0003	0.0009	0.0029	0.0019	0.0004	-	-	0.0079
70 mph	-	-	-	-	-	-	-	-	-
total	0.2174	0.0465	0.1422	0.4369	0.2388	0.0507	0.2063	0.0155	1.3544

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0231)	(0.0047)	(0.0148)	0.0171	0.0148	0.0033	-	-	(0.0073)
15 mph	(0.0155)	(0.0032)	(0.0100)	0.0116	0.0101	0.0023	-	-	(0.0047)
20 mph	(0.0110)	(0.0023)	(0.0071)	0.0083	0.0074	0.0016	0.0299	0.0021	0.0291
25 mph	(0.0162)	(0.0034)	(0.0106)	0.0124	0.0113	0.0024	0.0382	0.0028	0.0370
30 mph	(0.0250)	(0.0054)	(0.0165)	0.0193	0.0180	0.0038	0.0503	0.0038	0.0483
35 mph	(0.0459)	(0.0102)	(0.0303)	0.0355	0.0343	0.0071	0.0408	0.0032	0.0345
40 mph	(0.0443)	(0.0099)	(0.0293)	0.0345	0.0341	0.0069	0.0329	0.0026	0.0275
45 mph	(0.0326)	(0.0072)	(0.0215)	0.0254	0.0255	0.0051	0.0216	0.0018	0.0181
50 mph	(0.0354)	(0.0079)	(0.0234)	0.0277	0.0283	0.0056	0.0107	0.0009	0.0065
55 mph	(0.0199)	(0.0044)	(0.0131)	0.0155	0.0162	0.0032	0.0054	0.0004	0.0035
60 mph	(0.0126)	(0.0027)	(0.0082)	0.0099	0.0105	0.0021	0.4139	0.0330	0.4458
65 mph	(0.0046)	(0.0010)	(0.0030)	0.0036	0.0040	0.0008	-	-	(0.0002)
70 mph	(0.2202)	(0.0547)	(0.1446)	0.1727	0.1897	0.0331	-	-	(0.0239)
total	(0.5061)	(0.1170)	(0.3324)	0.3936	0.4044	0.0774	0.6437	0.0508	0.6141

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.0699	0.3312	0.7931	0.0043	2.1985
15 mph	0.1277	0.0261	0.0823	0.0326	0.0202	0.0045	0.0177	0.0013	0.3124
25 mph	-	-	-	-	0.0214	0.0046	0.0401	0.0030	0.0690
35 mph	0.1804	0.0399	0.1192	0.0437	-	-	-	-	0.3833
total	0.3080	0.0661	0.2015	0.0764	1.1115	0.3403	0.8508	0.0086	2.9631

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.0699	0.3312	0.7931	0.0043	2.1985
10 mph	0.0127	0.0026	0.0081	0.0866	0.0499	0.0113	0.0404	0.0029	0.2145
15 mph	0.1218	0.0249	0.0785	0.0632	0.0400	0.0090	0.0267	0.0019	0.3659
20 mph	0.0026	0.0005	0.0017	0.0354	0.0216	0.0047	0.0427	0.0030	0.1124
25 mph	0.0339	0.0072	0.0222	0.1129	0.0865	0.0186	0.1296	0.0096	0.4203
30 mph	0.0176	0.0038	0.0116	0.1056	0.0653	0.0138	0.0860	0.0066	0.3103
35 mph	0.1629	0.0361	0.1077	0.1371	0.0669	0.0138	0.0539	0.0043	0.5826
40 mph	(0.0361)	(0.0080)	(0.0239)	0.0513	0.0438	0.0089	0.0456	0.0036	0.0853
45 mph	(0.0263)	(0.0058)	(0.0174)	0.0383	0.0331	0.0067	0.0309	0.0025	0.0620
50 mph	(0.0293)	(0.0065)	(0.0193)	0.0402	0.0358	0.0071	0.0255	0.0021	0.0555
55 mph	(0.0149)	(0.0033)	(0.0098)	0.0257	0.0224	0.0044	0.0088	0.0007	0.0339
60 mph	(0.0022)	(0.0005)	(0.0014)	0.0314	0.0238	0.0047	0.4176	0.0333	0.5068
65 mph	(0.0032)	(0.0007)	(0.0021)	0.0065	0.0059	0.0012	-	-	0.0077
70 mph	(0.2202)	(0.0547)	(0.1446)	0.1727	0.1897	0.0331	-	-	(0.0239)
total	0.0193	(0.0044)	0.0112	0.9069	1.7546	0.4683	1.7008	0.0748	4.9316

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0012	0.0000	0.0005	0.0025	0.1536	0.1107	0.3004	0.4678	1.0368
15 mph	0.0003	0.0000	0.0001	0.0005	0.0323	0.0229	0.0526	0.1032	0.2118
20 mph	0.0002	0.0000	0.0001	0.0004	0.0307	0.0214	0.0530	0.1355	0.2414
25 mph	0.0008	0.0000	0.0003	0.0013	0.1033	0.0716	0.2156	0.5118	0.9046
30 mph	0.0006	0.0000	0.0002	0.0011	0.0906	0.0623	0.1595	0.3712	0.6857
35 mph	0.0004	0.0000	0.0001	0.0007	0.0627	0.0428	0.0590	0.1323	0.2981
40 mph	0.0001	0.0000	0.0000	0.0002	0.0184	0.0124	0.0555	0.1225	0.2092
45 mph	0.0001	0.0000	0.0000	0.0002	0.0139	0.0094	0.0390	0.0855	0.1481
50 mph	0.0001	0.0000	0.0000	0.0001	0.0133	0.0089	0.0605	0.1316	0.2145
55 mph	0.0001	0.0000	0.0000	0.0001	0.0104	0.0069	0.0142	0.0302	0.0618
60 mph	0.0001	0.0000	0.0000	0.0002	0.0213	0.0141	0.0150	0.0334	0.0842
65 mph	0.0000	0.0000	0.0000	0.0000	0.0031	0.0020	-	-	0.0051
70 mph	-	-	-	-	-	-	-	-	-
total	0.0040	0.0001	0.0015	0.0074	0.5535	0.3854	1.0242	2.1249	4.1012

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0008)	(0.0000)	(0.0004)	0.0006	0.0646	0.0465	-	-	0.1106
15 mph	(0.0004)	(0.0000)	(0.0002)	0.0003	0.0339	0.0241	-	-	0.0577
20 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0161	0.0113	0.1242	0.3175	0.4690
25 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0217	0.0150	0.1607	0.3815	0.5787
30 mph	(0.0004)	(0.0000)	(0.0001)	0.0002	0.0346	0.0238	0.2242	0.5217	0.8041
35 mph	(0.0007)	(0.0000)	(0.0002)	0.0005	0.0659	0.0449	0.1843	0.4131	0.7077
40 mph	(0.0007)	(0.0000)	(0.0002)	0.0004	0.0644	0.0436	0.1430	0.3156	0.5661
45 mph	(0.0005)	(0.0000)	(0.0002)	0.0003	0.0468	0.0315	0.0913	0.2003	0.3696
50 mph	(0.0005)	(0.0000)	(0.0002)	0.0003	0.0503	0.0336	0.0436	0.0948	0.2219
55 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0272	0.0181	0.0221	0.0471	0.1144
60 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0168	0.0111	1.6419	3.6504	5.3201
65 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0065	0.0042	-	-	0.0106
70 mph	(0.0025)	(0.0002)	(0.0008)	0.0016	0.4562	0.2728	-	-	0.7271
total	(0.0073)	(0.0004)	(0.0025)	0.0048	0.9050	0.5804	2.6354	5.9420	10.0575

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1506	0.1071	0.0938	0.6609	1.0124
15 mph	0.0033	0.0001	0.0014	0.0009	0.0676	0.0480	0.1034	0.2029	0.4276
25 mph	-	-	-	-	0.0411	0.0285	0.1686	0.4002	0.6384
35 mph	0.0027	0.0001	0.0009	0.0006	-	-	-	-	0.0043
total	0.0061	0.0002	0.0024	0.0014	0.2594	0.1836	0.3657	1.2640	2.0827

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1506	0.1071	0.0938	0.6609	1.0124
10 mph	0.0004	0.0000	0.0002	0.0031	0.2182	0.1572	0.3004	0.4678	1.1474
15 mph	0.0032	0.0001	0.0014	0.0017	0.1339	0.0950	0.1559	0.3061	0.6971
20 mph	0.0000	0.0000	0.0000	0.0005	0.0468	0.0327	0.1773	0.4530	0.7104
25 mph	0.0005	0.0000	0.0002	0.0015	0.1662	0.1151	0.5448	1.2934	2.1217
30 mph	0.0003	0.0000	0.0001	0.0014	0.1252	0.0862	0.3837	0.8929	1.4897
35 mph	0.0025	0.0001	0.0009	0.0018	0.1286	0.0877	0.2433	0.5453	1.0101
40 mph	(0.0005)	(0.0000)	(0.0002)	0.0006	0.0828	0.0560	0.1985	0.4381	0.7753
45 mph	(0.0004)	(0.0000)	(0.0001)	0.0004	0.0608	0.0409	0.1303	0.2858	0.5177
50 mph	(0.0004)	(0.0000)	(0.0001)	0.0004	0.0636	0.0424	0.1041	0.2264	0.4364
55 mph	(0.0002)	(0.0000)	(0.0001)	0.0003	0.0376	0.0250	0.0363	0.0773	0.1761
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0003	0.0380	0.0252	1.6569	3.6838	5.4042
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0095	0.0062	-	-	0.0158
70 mph	(0.0025)	(0.0002)	(0.0008)	0.0016	0.4562	0.2728	-	-	0.7271
total	0.0028	(0.0001)	0.0014	0.0137	1.7180	1.1494	4.0253	9.3310	16.2414

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0856	0.0856
15 mph								0.0176	0.0176
20 mph								0.0223	0.0223
25 mph								0.0906	0.0906
30 mph								0.0632	0.0632
35 mph								0.0219	0.0219
40 mph								0.0190	0.0190
45 mph								0.0120	0.0120
50 mph								0.0158	0.0158
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.3480	0.3480

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0522	0.0522
25 mph								0.0675	0.0675
30 mph								0.0888	0.0888
35 mph								0.0685	0.0685
40 mph								0.0489	0.0489
45 mph								0.0281	0.0281
50 mph								0.0114	0.0114
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.2769	0.2769

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0013	0.0013
15 mph								0.0347	0.0347
25 mph								0.0708	0.0708
35 mph								-	-
total	-	-	-	-	-	-	-	0.1068	0.1068

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0013	0.0013
10 mph								0.0856	0.0856
15 mph								0.0523	0.0523
20 mph								0.0744	0.0744
25 mph								0.2289	0.2289
30 mph								0.1519	0.1519
35 mph								0.0904	0.0904
40 mph								0.0679	0.0679
45 mph								0.0402	0.0402
50 mph								0.0273	0.0273
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.8202	0.8202

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2970	0.8147	0.5084	0.5608	0.8759	0.7618	0.4621	0.7999
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS + HOTSOAK Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.5398	0.1118	0.3456	1.4486	0.8047	0.2150	0.2128	0.0025
Electric/NG	-	-	-	-	-	-	-	-
Total	**0.5398**	**0.1118**	**0.3456**	**1.4486**	**0.8047**	**0.2150**	**0.2128**	**0.0025**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.4419	0.9916	0.6746	0.8064	0.0855	0.0775	0.0613	0.1111
Electric/NG	0.0314	0.0312	0.0313	0.0314	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.4015	0.0680	0.2293	1.0415	0.0393	0.0109	0.0141	0.0002
Electric/NG	0.0008	0.0000	0.0002	0.0005	-	-	-	-
Total	0.4022	0.0681	0.2295	1.0420	0.0393	0.0109	0.0141	0.0002

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1962	0.3070	0.2755	0.3470	0.1084	0.1079	0.1912	0.0015
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3565	0.0421	0.1873	0.8964	0.0996	0.0305	0.0880	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.3565	0.0421	0.1873	0.8964	0.0996	0.0305	0.0880	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.2205	0.4383	0.8868	0.6666	3.2122
10 mph	0.0131	0.0026	0.0083	0.0898	0.2681	0.1685	0.3408	0.5563	1.4474
15 mph	0.1250	0.0250	0.0799	0.0649	0.1739	0.1039	0.1826	0.3602	1.1153
20 mph	0.0027	0.0005	0.0017	0.0359	0.0684	0.0374	0.2200	0.5305	0.8972
25 mph	0.0344	0.0072	0.0224	0.1143	0.2526	0.1337	0.6744	1.5319	2.7710
30 mph	0.0179	0.0038	0.0117	0.1070	0.1905	0.0999	0.4697	1.0515	1.9520
35 mph	0.1653	0.0362	0.1085	0.1388	0.1955	0.1015	0.2972	0.6400	1.6831
40 mph	(0.0366)	(0.0081)	(0.0241)	0.0519	0.1266	0.0649	0.2441	0.5096	0.9284
45 mph	(0.0266)	(0.0059)	(0.0175)	0.0387	0.0939	0.0475	0.1612	0.3285	0.6198
50 mph	(0.0297)	(0.0065)	(0.0195)	0.0406	0.0994	0.0495	0.1296	0.2557	0.5192
55 mph	(0.0151)	(0.0033)	(0.0099)	0.0259	0.0600	0.0294	0.0451	0.0780	0.2101
60 mph	(0.0022)	(0.0005)	(0.0014)	0.0317	0.0619	0.0299	2.0746	3.7171	5.9111
65 mph	(0.0032)	(0.0007)	(0.0021)	0.0066	0.0155	0.0074	-	-	0.0235
70 mph	(0.2227)	(0.0549)	(0.1453)	0.1743	0.6460	0.3058	-	-	0.7032
RL+HS	0.5398	0.1118	0.3456	1.4486	0.8047	0.2150	0.2128	0.0025	3.6808
RL+DIURN	0.4022	0.0681	0.2295	1.0420	0.0393	0.0109	0.0141	0.0002	1.8063
STREX	0.3565	0.0421	0.1873	0.8964	0.0996	0.0305	0.0880	0.0000	1.7004
total	1.3206	0.2175	0.7751	4.3075	4.4162	1.8741	6.0411	10.2287	**29.1808**

World Logistics Center
Mobile Emissions - 2024 (Net) - Unmitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.4822	1.4928	2.3977	30.4856
10 mph	0.0527	0.1529	0.1099	0.1367	0.2300	0.2483	0.5175	5.5003
15 mph	0.0464	0.1312	0.0955	0.1193	0.2043	0.2193	0.4571	4.8915
20 mph	0.0416	0.1158	0.0850	0.1066	0.1889	0.1997	0.4142	4.4934
25 mph	0.0377	0.1038	0.0763	0.0962	0.1754	0.1826	0.3724	4.1977
30 mph	0.0348	0.0954	0.0701	0.0888	0.1662	0.1704	0.3397	3.9857
35 mph	0.0325	0.0897	0.0655	0.0833	0.1603	0.1615	0.3158	3.8532
40 mph	0.0311	0.0861	0.0625	0.0798	0.1562	0.1555	0.3038	3.7485
45 mph	0.0301	0.0841	0.0608	0.0778	0.1535	0.1511	0.2905	3.6987
50 mph	0.0298	0.0850	0.0606	0.0778	0.1547	0.1500	0.2915	3.6938
55 mph	0.0302	0.0880	0.0620	0.0796	0.1583	0.1521	0.2924	3.7843
60 mph	0.0316	0.0941	0.0655	0.0842	0.1649	0.1590	0.3090	3.8964
65 mph	0.0329	0.1013	0.0689	0.0886	0.1740	0.1669		
70 mph	0.0334	0.1164	0.0706	0.0927	0.1933	0.1650		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					51.8809	52.1309	42.1839	30.4780
10 mph	0.1061	0.7501	0.1296	0.0951	1.0811	1.0135	5.7159	12.5492
15 mph	0.0829	0.7700	0.0897	0.0686	0.9703	0.9118	4.0489	8.2087
20 mph	0.0668	0.7954	0.0622	0.0508	0.9674	0.8981	3.2163	5.8359
25 mph	0.0596	0.8235	0.0497	0.0433	0.9873	0.9069	2.5933	4.9481
30 mph	0.0560	0.8540	0.0433	0.0399	1.0371	0.9428	2.0521	3.8441
35 mph	0.0536	0.8844	0.0392	0.0383	1.1140	0.9971	1.6212	3.1097
40 mph	0.0528	0.9193	0.0365	0.0370	1.1794	1.0473	1.3034	2.4297
45 mph	0.0529	0.9570	0.0344	0.0361	1.2307	1.0883	1.0916	1.9933
50 mph	0.0536	0.9936	0.0333	0.0361	1.3060	1.1511	1.0066	1.7211
55 mph	0.0538	1.0355	0.0323	0.0360	1.3401	1.1831	1.0243	1.7620
60 mph	0.0555	1.0744	0.0320	0.0363	1.3596	1.2039	1.1544	2.0108
65 mph	0.0555	1.1057	0.0326	0.0380	1.5195	1.3301		
70 mph	0.0566	1.1101	0.0393	0.0460	2.4962	2.0007		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								35.5387
10 mph								4.5217
15 mph								3.3839
20 mph								2.6686
25 mph								2.3259
30 mph								2.1214
35 mph								1.9688
40 mph								1.8526
45 mph								1.7649
50 mph								1.7011
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0548	0.0120	0.0427	0.1212	0.0868	0.0288	0.1132	0.0081	0.4676
15 mph	0.0193	0.0041	0.0148	0.0423	0.0308	0.0102	0.0333	0.0024	0.1573
20 mph	0.0346	0.0073	0.0264	0.0756	0.0570	0.0185	0.0604	0.0044	0.2843
25 mph	0.1566	0.0326	0.1187	0.3414	0.2647	0.0847	0.2987	0.0227	1.3200
30 mph	0.1589	0.0330	0.1199	0.3463	0.2759	0.0869	0.2477	0.0196	1.2882
35 mph	0.1218	0.0254	0.0916	0.2659	0.2177	0.0674	0.1036	0.0085	0.9019
40 mph	0.0387	0.0081	0.0292	0.0849	0.0707	0.0216	0.1107	0.0092	0.3732
45 mph	0.0313	0.0066	0.0236	0.0690	0.0579	0.0175	0.0847	0.0073	0.2980
50 mph	0.0310	0.0067	0.0236	0.0690	0.0584	0.0174	0.1381	0.0118	0.3560
55 mph	0.0251	0.0055	0.0193	0.0565	0.0478	0.0141	0.0320	0.0028	0.2031
60 mph	0.0526	0.0118	0.0408	0.1195	0.0996	0.0295	0.0338	0.0029	0.3904
65 mph	0.0068	0.0016	0.0054	0.0157	0.0131	0.0039	-	-	0.0465
70 mph	-	-	-	-	-	-	-	-	-
total	0.7317	0.1546	0.5559	1.6074	1.2805	0.4004	1.2562	0.0998	6.0865

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0354)	(0.0077)	(0.0276)	0.0298	0.0365	0.0121	-	-	0.0077
15 mph	(0.0312)	(0.0066)	(0.0240)	0.0260	0.0324	0.0107	-	-	0.0073
20 mph	(0.0279)	(0.0059)	(0.0213)	0.0233	0.0300	0.0097	0.1415	0.0104	0.1597
25 mph	(0.0506)	(0.0105)	(0.0383)	0.0420	0.0556	0.0178	0.2226	0.0169	0.2555
30 mph	(0.0933)	(0.0193)	(0.0704)	0.0774	0.1054	0.0332	0.3481	0.0276	0.4088
35 mph	(0.1966)	(0.0409)	(0.1479)	0.1635	0.2288	0.0708	0.3236	0.0266	0.4279
40 mph	(0.2084)	(0.0436)	(0.1569)	0.1741	0.2477	0.0757	0.2853	0.0238	0.3976
45 mph	(0.1617)	(0.0341)	(0.1221)	0.1358	0.1947	0.0589	0.1985	0.0170	0.2871
50 mph	(0.1801)	(0.0388)	(0.1369)	0.1528	0.2208	0.0658	0.0996	0.0085	0.1916
55 mph	(0.1014)	(0.0223)	(0.0778)	0.0868	0.1255	0.0371	0.0499	0.0044	0.1021
60 mph	(0.0637)	(0.0143)	(0.0494)	0.0551	0.0785	0.0232	3.6939	0.3142	4.0376
65 mph	(0.0221)	(0.0051)	(0.0173)	0.0193	0.0276	0.0081	-	-	0.0105
70 mph	(1.0303)	(0.2714)	(0.8153)	0.9300	1.4102	0.3697	-	-	0.5930
total	(2.2027)	(0.5207)	(1.7051)	1.9158	2.7937	0.7929	5.3631	0.4494	6.8864

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0933	0.0289	0.0705	0.0088	0.2015
15 mph	0.2561	0.0546	0.1970	0.0729	0.0646	0.0213	0.0655	0.0047	0.7368
25 mph	-	-	-	-	0.1053	0.0337	0.2335	0.0178	0.3903
35 mph	0.7724	0.1608	0.5811	0.2012	-	-	-	-	1.7156
total	1.0285	0.2155	0.7781	0.2741	0.2633	0.0839	0.3695	0.0313	3.0442

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0933	0.0289	0.0705	0.0088	0.2015
10 mph	0.0194	0.0043	0.0151	0.1510	0.1233	0.0409	0.1132	0.0081	0.4753
15 mph	0.2442	0.0521	0.1879	0.1412	0.1278	0.0421	0.0988	0.0071	0.9014
20 mph	0.0067	0.0014	0.0051	0.0989	0.0870	0.0282	0.2019	0.0148	0.4439
25 mph	0.1061	0.0221	0.0804	0.3834	0.4257	0.1361	0.7548	0.0574	1.9659
30 mph	0.0656	0.0136	0.0495	0.4238	0.3813	0.1201	0.5958	0.0472	1.6969
35 mph	0.6976	0.1453	0.5249	0.6305	0.4465	0.1382	0.4272	0.0352	3.0454
40 mph	(0.1697)	(0.0355)	(0.1278)	0.2590	0.3184	0.0974	0.3961	0.0330	0.7708
45 mph	(0.1304)	(0.0275)	(0.0985)	0.2048	0.2527	0.0764	0.2832	0.0243	0.5851
50 mph	(0.1491)	(0.0321)	(0.1134)	0.2218	0.2792	0.0832	0.2377	0.0203	0.5476
55 mph	(0.0763)	(0.0168)	(0.0585)	0.1433	0.1733	0.0512	0.0819	0.0072	0.3052
60 mph	(0.0111)	(0.0025)	(0.0086)	0.1746	0.1780	0.0527	3.7277	0.3171	4.4280
65 mph	(0.0153)	(0.0035)	(0.0119)	0.0350	0.0407	0.0120	-	-	0.0570
70 mph	(1.0303)	(0.2714)	(0.8153)	0.9300	1.4102	0.3697	-	-	0.5930
total	(0.4425)	(0.1506)	(0.3710)	3.7973	4.3375	1.2772	6.9889	0.5804	16.0171

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0011	0.0000	0.0004	0.0021	0.3075	0.2050	6.1909	25.8278	32.5346
15 mph	0.0003	0.0000	0.0001	0.0006	0.1104	0.0738	1.4618	5.6315	7.2785
20 mph	0.0005	0.0000	0.0001	0.0009	0.2201	0.1453	2.3224	8.0073	10.6967
25 mph	0.0024	0.0001	0.0006	0.0037	1.1231	0.7336	10.2990	37.3410	49.5036
30 mph	0.0025	0.0001	0.0005	0.0038	1.2978	0.8390	7.4087	26.3723	35.9248
35 mph	0.0020	0.0001	0.0004	0.0030	1.1405	0.7260	2.6338	9.6001	14.1059
40 mph	0.0006	0.0000	0.0001	0.0010	0.4025	0.2542	2.3529	8.3345	11.3459
45 mph	0.0005	0.0000	0.0001	0.0008	0.3500	0.2201	1.5765	5.4699	7.6179
50 mph	0.0005	0.0000	0.0001	0.0008	0.3714	0.2328	2.3623	7.6749	10.6429
55 mph	0.0004	0.0000	0.0001	0.0006	0.3049	0.1914	0.5547	1.8133	2.8654
60 mph	0.0009	0.0001	0.0001	0.0013	0.6187	0.3896	0.6252	2.0693	3.7051
65 mph	0.0001	0.0000	0.0000	0.0002	0.0864	0.0538	-	-	0.1405
70 mph	-	-	-	-	-	-	-	-	-
total	0.0120	0.0006	0.0027	0.0186	6.3333	4.0645	37.7883	138.1419	186.3619

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0007)	(0.0000)	(0.0002)	0.0005	0.1292	0.0861	-	-	0.2149
15 mph	(0.0005)	(0.0000)	(0.0002)	0.0004	0.1160	0.0775	-	-	0.1931
20 mph	(0.0004)	(0.0000)	(0.0001)	0.0003	0.1156	0.0763	5.4402	18.7571	24.3889
25 mph	(0.0008)	(0.0000)	(0.0002)	0.0005	0.2360	0.1542	7.6763	27.8318	35.8977
30 mph	(0.0015)	(0.0001)	(0.0003)	0.0008	0.4959	0.3206	10.4129	37.0663	48.2946
35 mph	(0.0032)	(0.0002)	(0.0006)	0.0018	1.1984	0.7628	8.2264	29.9845	40.1699
40 mph	(0.0035)	(0.0002)	(0.0007)	0.0020	1.4097	0.8902	6.0629	21.4760	29.8365
45 mph	(0.0028)	(0.0002)	(0.0005)	0.0015	1.1768	0.7401	3.6929	12.8132	18.4211
50 mph	(0.0032)	(0.0002)	(0.0005)	0.0017	1.4050	0.8806	1.7027	5.5318	9.5179
55 mph	(0.0018)	(0.0001)	(0.0003)	0.0010	0.8009	0.5028	0.8663	2.8317	5.0005
60 mph	(0.0011)	(0.0001)	(0.0002)	0.0006	0.4875	0.3070	68.3434	226.2059	295.3430
65 mph	(0.0004)	(0.0000)	(0.0001)	0.0002	0.1816	0.1131	-	-	0.2944
70 mph	(0.0171)	(0.0011)	(0.0033)	0.0112	13.7250	7.8232	-	-	21.5379
total	(0.0368)	(0.0022)	(0.0072)	0.0224	21.4778	12.7346	112.4239	382.4981	529.1106

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.4626	1.7597	6.1414	8.4316	18.7953
15 mph	0.0045	0.0001	0.0013	0.0010	0.2312	0.1545	2.8735	11.0700	14.3362
25 mph	-	-	-	-	0.4469	0.2919	8.0538	29.2004	37.9929
35 mph	0.0124	0.0007	0.0025	0.0022	-	-	-	-	0.0179
total	0.0169	0.0008	0.0039	0.0033	3.1407	2.2061	17.0687	48.7020	71.1423

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.4626	1.7597	6.1414	8.4316	18.7953
10 mph	0.0004	0.0000	0.0001	0.0026	0.4367	0.2911	6.1909	25.8278	32.7496
15 mph	0.0043	0.0001	0.0013	0.0020	0.4576	0.3058	4.3353	16.7014	21.8078
20 mph	0.0001	0.0000	0.0000	0.0011	0.3357	0.2217	7.7625	26.7644	35.0856
25 mph	0.0016	0.0001	0.0004	0.0042	1.8060	1.1797	26.0291	94.3731	123.3942
30 mph	0.0010	0.0001	0.0002	0.0046	1.7937	1.1596	17.8217	63.4386	84.2195
35 mph	0.0112	0.0006	0.0023	0.0070	2.3390	1.4888	10.8602	39.5846	54.2937
40 mph	(0.0028)	(0.0002)	(0.0005)	0.0029	1.8122	1.1444	8.4158	29.8106	41.1824
45 mph	(0.0022)	(0.0001)	(0.0004)	0.0023	1.5268	0.9602	5.2694	18.2831	26.0390
50 mph	(0.0026)	(0.0002)	(0.0005)	0.0025	1.7764	1.1134	4.0650	13.2067	20.1608
55 mph	(0.0013)	(0.0001)	(0.0002)	0.0016	1.1058	0.6942	1.4210	4.6450	7.8659
60 mph	(0.0002)	(0.0000)	(0.0000)	0.0018	1.1062	0.6966	68.9686	228.2751	299.0481
65 mph	(0.0003)	(0.0000)	(0.0000)	0.0004	0.2681	0.1669	-	-	0.4350
70 mph	(0.0171)	(0.0011)	(0.0033)	0.0112	13.7250	7.8232	-	-	21.5379
total	(0.0079)	(0.0008)	(0.0007)	0.0443	30.9518	19.0052	167.2809	569.3420	786.6147

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.5025	0.5025
15 mph								0.1254	0.1254
20 mph								0.1977	0.1977
25 mph								0.9478	0.9478
30 mph								0.7859	0.7859
35 mph								0.3282	0.3282
40 mph								0.3432	0.3432
45 mph								0.2615	0.2615
50 mph								0.4096	0.4096
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.9019	3.9019

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.4632	0.4632
25 mph								0.7064	0.7064
30 mph								1.1046	1.1046
35 mph								1.0251	1.0251
40 mph								0.8842	0.8842
45 mph								0.6126	0.6126
50 mph								0.2952	0.2952
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.2993	3.2993

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.5309	0.5309
15 mph								0.2464	0.2464
25 mph								0.7412	0.7412
35 mph								-	-
total	-	-	-	-	-	-	-	1.5185	1.5185

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.5309	0.5309
10 mph								0.5025	0.5025
15 mph								0.3718	0.3718
20 mph								0.6609	0.6609
25 mph								2.3955	2.3955
30 mph								1.8905	1.8905
35 mph								1.3533	1.3533
40 mph								1.2274	1.2274
45 mph								0.8742	0.8742
50 mph								0.7049	0.7049
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	10.5119	10.5119

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.5559	1.7886	6.2119	8.9713	19.5277
10 mph	0.0198	0.0043	0.0153	0.1536	0.5600	0.3320	6.3041	26.3384	33.7274
15 mph	0.2485	0.0522	0.1892	0.1432	0.5854	0.3479	4.4341	17.0804	23.0810
20 mph	0.0068	0.0014	0.0051	0.1000	0.4227	0.2499	7.9644	27.4400	36.1904
25 mph	0.1077	0.0221	0.0808	0.3875	2.2317	1.3158	26.7839	96.8260	127.7556
30 mph	0.0667	0.0137	0.0497	0.4284	2.1750	1.2797	18.4175	65.3762	87.8069
35 mph	0.7089	0.1459	0.5271	0.6375	2.7855	1.6270	11.2874	40.9731	58.6924
40 mph	(0.1725)	(0.0357)	(0.1283)	0.2619	2.1306	1.2418	8.8119	31.0710	43.1807
45 mph	(0.1327)	(0.0276)	(0.0989)	0.2071	1.7795	1.0366	5.5526	19.1816	27.4983
50 mph	(0.1518)	(0.0323)	(0.1138)	0.2243	2.0556	1.1966	4.3027	13.9319	21.4133
55 mph	(0.0776)	(0.0169)	(0.0588)	0.1448	1.2791	0.7454	1.5029	4.6521	8.1711
60 mph	(0.0113)	(0.0025)	(0.0086)	0.1765	1.2842	0.7493	72.6963	228.5922	303.4761
65 mph	(0.0155)	(0.0036)	(0.0120)	0.0354	0.3088	0.1789	-	-	0.4920
70 mph	(1.0474)	(0.2725)	(0.8186)	0.9412	15.1352	8.1929	-	-	22.1308
STREX	0.3048	0.0317	0.1684	0.7798	0.4388	0.1381	4.6914	9.9507	16.5038
total	(0.1456)	(0.1197)	(0.2033)	4.6213	35.7281	20.4205	178.9612	590.3849	**829.6474**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1677	0.2310	0.2478	0.3019	0.4776	0.4895	0.3448	0.4381
Diesel	-	-	-	-	-	-	1.9879	2.2964
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3048	0.0317	0.1684	0.7798	0.4388	0.1381	0.1588	0.0014
Diesel	-	-	-	-	-	-	4.5327	9.9493
Electric/NG	-	-	-	-	-	-	-	-
Total	0.3048	0.0317	0.1684	0.7798	0.4388	0.1381	4.6914	9.9507

World Logistics Center
Mobile Emissions - 2024 (Net) - Unmitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					154.2235	154.5142	385.6942	326.3306
10 mph	1.0224	1.9873	1.4333	1.6655	1.2973	0.8658	2.0477	57.6146
15 mph	0.9310	1.7692	1.2949	1.4910	1.0479	0.7409	1.8129	50.5751
20 mph	0.8501	1.5940	1.1774	1.3468	0.8918	0.6515	1.6437	45.2980
25 mph	0.7767	1.4420	1.0708	1.2184	0.7693	0.5735	1.4640	40.9868
30 mph	0.7117	1.3143	0.9780	1.1102	0.6833	0.5137	1.3105	37.3828
35 mph	0.6541	1.2088	0.8971	1.0179	0.6263	0.4681	1.1866	34.4553
40 mph	0.6066	1.1227	0.8320	0.9451	0.5935	0.4387	1.1104	32.1303
45 mph	0.5659	1.0489	0.7764	0.8847	0.5745	0.4148	1.0223	30.2163
50 mph	0.5287	0.9921	0.7271	0.8341	0.5762	0.4005	0.9816	28.6560
55 mph	0.4925	0.9360	0.6798	0.7863	0.5955	0.3934	0.9262	27.6402
60 mph	0.4533	0.8746	0.6286	0.7407	0.6409	0.4021	0.9155	26.9405
65 mph	0.4198	0.8313	0.5857	0.7002	0.7349	0.4308		
70 mph	0.4017	0.8793	0.5662	0.6743	0.7379	0.3613		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	20.0509	33.8863
10 mph	2.2975	2.6998	1.7579	2.4264	2.1345	2.1678	0.8076	1.5404
15 mph	1.1411	1.8204	0.8640	1.1889	1.1324	1.1398	0.4820	0.9344
20 mph	0.4667	1.2853	0.3419	0.4717	0.5609	0.5531	0.3250	0.6387
25 mph	0.2903	1.0322	0.2079	0.2886	0.3919	0.3815	0.2559	0.4881
30 mph	0.2233	0.8913	0.1582	0.2210	0.3231	0.3118	0.2093	0.3842
35 mph	0.1809	0.8127	0.1268	0.1787	0.2854	0.2720	0.1718	0.2956
40 mph	0.1530	0.7802	0.1057	0.1494	0.2635	0.2485	0.1438	0.2329
45 mph	0.1342	0.7881	0.0908	0.1284	0.2535	0.2369	0.1238	0.1880
50 mph	0.1219	0.8394	0.0802	0.1140	0.2594	0.2399	0.1144	0.1634
55 mph	0.1140	0.9455	0.0726	0.1036	0.2733	0.2510	0.1124	0.1517
60 mph	0.1160	1.1160	0.0707	0.1013	0.3045	0.2783	0.1175	0.1648
65 mph	0.1240	1.3966	0.0737	0.1069	0.3908	0.3518		
70 mph	0.1285	1.6529	0.0816	0.1189	0.6744	0.5596		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								32.3955
10 mph								34.1244
15 mph								24.0221
20 mph								17.3711
25 mph								12.7351
30 mph								9.3918
35 mph								6.9281
40 mph								5.1127
45 mph								3.7753
50 mph								2.7904
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	1.0625	0.1560	0.5572	1.4770	0.4895	0.1004	0.4479	0.0850	4.3755
15 mph	0.3870	0.0555	0.2014	0.5289	0.1582	0.0344	0.1322	0.0249	1.5223
20 mph	0.7068	0.1001	0.3662	0.9555	0.2692	0.0604	0.2397	0.0446	2.7424
25 mph	3.2287	0.4527	1.6651	4.3219	1.1613	0.2659	1.1741	0.2217	12.4913
30 mph	3.2540	0.4539	1.6728	4.3321	1.1345	0.2620	0.9555	0.1839	12.2486
35 mph	2.4470	0.3415	1.2554	3.2497	0.8508	0.1953	0.3893	0.0763	8.8053
40 mph	0.7564	0.1057	0.3881	1.0058	0.2687	0.0610	0.4048	0.0790	3.0696
45 mph	0.5881	0.0823	0.3018	0.7846	0.2168	0.0481	0.2981	0.0594	2.3792
50 mph	0.5494	0.0779	0.2827	0.7397	0.2174	0.0464	0.4652	0.0916	2.4702
55 mph	0.4094	0.0588	0.2114	0.5578	0.1798	0.0365	0.1013	0.0204	1.5754
60 mph	0.7538	0.1098	0.3910	1.0510	0.3869	0.0746	0.1001	0.0199	2.8871
65 mph	0.0873	0.0130	0.0455	0.1242	0.0555	0.0100	-	-	0.3355
70 mph	-	-	-	-	-	-	-	-	-
total	14.2301	2.0073	7.3386	19.1281	5.3886	1.1949	4.7082	0.9066	54.9025

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.6860)	(0.1007)	(0.3598)	0.3632	0.2058	0.0422	-	-	(0.5353)
15 mph	(0.6247)	(0.0897)	(0.3250)	0.3252	0.1662	0.0361	-	-	(0.5119)
20 mph	(0.5704)	(0.0808)	(0.2955)	0.2937	0.1414	0.0317	0.5614	0.1044	0.1860
25 mph	(1.0423)	(0.1462)	(0.5375)	0.5314	0.2440	0.0559	0.8751	0.1653	0.1457
30 mph	(1.9100)	(0.2664)	(0.9819)	0.9685	0.4335	0.1001	1.3430	0.2584	(0.0549)
35 mph	(3.9499)	(0.5513)	(2.0265)	1.9980	0.8940	0.2052	1.2160	0.2382	(1.9764)
40 mph	(4.0699)	(0.5690)	(2.0883)	2.0612	0.9413	0.2137	1.0431	0.2036	(2.2643)
45 mph	(3.0378)	(0.4252)	(1.5590)	1.5435	0.7289	0.1617	0.6984	0.1393	(1.7503)
50 mph	(3.1924)	(0.4525)	(1.6427)	1.6371	0.8225	0.1756	0.3353	0.0660	(2.2511)
55 mph	(1.6521)	(0.2372)	(0.8531)	0.8574	0.4722	0.0958	0.1582	0.0318	(1.1269)
60 mph	(0.9125)	(0.1330)	(0.4734)	0.4846	0.3049	0.0588	10.9448	2.1727	12.4470
65 mph	(0.2817)	(0.0421)	(0.1470)	0.1527	0.1166	0.0210	-	-	(0.1806)
70 mph	(12.3980)	(2.0499)	(6.5375)	6.7650	5.3836	0.8096	-	-	(8.0271)
total	(34.3278)	(5.1438)	(17.8272)	17.9817	10.8549	2.0074	17.1752	3.3797	(5.9000)

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	9.7131	2.9891	11.3397	0.0943	24.1363
15 mph	5.1347	0.7370	2.6717	0.9110	0.3314	0.0720	0.2598	0.0489	10.1664
25 mph	-	-	-	-	0.4620	0.1058	0.9181	0.1734	1.6594
35 mph	15.5220	2.1665	7.9636	2.4592	-	-	-	-	28.1112
total	20.6566	2.9035	10.6353	3.3702	10.5065	3.1669	12.5177	0.3166	64.0733

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	9.7131	2.9891	11.3397	0.0943	24.1363
10 mph	0.3765	0.0553	0.1974	1.8403	0.6953	0.1425	0.4479	0.0850	3.8401
15 mph	4.8970	0.7028	2.5480	1.7651	0.6557	0.1424	0.3920	0.0738	11.1769
20 mph	0.1363	0.0193	0.0706	1.2492	0.4107	0.0922	0.8011	0.1489	2.9284
25 mph	2.1863	0.3066	1.1275	4.8533	1.8673	0.4276	2.9674	0.5604	14.2964
30 mph	1.3440	0.1875	0.6909	5.3006	1.5680	0.3621	2.2985	0.4423	12.1937
35 mph	14.0191	1.9567	7.1926	7.7068	1.7447	0.4005	1.6053	0.3144	34.9402
40 mph	(3.3135)	(0.4632)	(1.7002)	3.0670	1.2100	0.2748	1.4478	0.2826	0.8053
45 mph	(2.4497)	(0.3429)	(1.2572)	2.3281	0.9457	0.2098	0.9965	0.1987	0.6289
50 mph	(2.6431)	(0.3746)	(1.3600)	2.3767	1.0399	0.2220	0.8005	0.1576	0.2192
55 mph	(1.2427)	(0.1784)	(0.6417)	1.4153	0.6520	0.1323	0.2595	0.0522	0.4485
60 mph	(0.1588)	(0.0231)	(0.0824)	1.5357	0.6919	0.1333	11.0449	2.1926	15.3341
65 mph	(0.1944)	(0.0291)	(0.1015)	0.2769	0.1720	0.0310	-	-	0.1549
70 mph	(12.3980)	(2.0499)	(6.5375)	6.7650	5.3836	0.8096	-	-	(8.0271)
total	0.5589	(0.2330)	0.1467	40.4800	26.7500	6.3692	34.4011	4.6029	113.0758

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0234	0.0001	0.0050	0.0523	0.6071	0.4384	0.8747	3.1704	5.1713
15 mph	0.0046	0.0000	0.0010	0.0103	0.1288	0.0922	0.1740	0.6411	1.0520
20 mph	0.0038	0.0000	0.0008	0.0081	0.1276	0.0895	0.2347	0.8764	1.3409
25 mph	0.0118	0.0001	0.0023	0.0249	0.4459	0.3087	1.0163	3.6834	5.4934
30 mph	0.0100	0.0001	0.0020	0.0210	0.4043	0.2775	0.7555	2.6357	4.1060
35 mph	0.0066	0.0001	0.0013	0.0139	0.2922	0.1980	0.2791	0.9126	1.7039
40 mph	0.0019	0.0000	0.0004	0.0039	0.0899	0.0603	0.2596	0.7990	1.2150
45 mph	0.0014	0.0000	0.0003	0.0028	0.0721	0.0479	0.1788	0.5159	0.8191
50 mph	0.0012	0.0000	0.0002	0.0025	0.0738	0.0485	0.2685	0.7285	1.1233
55 mph	0.0009	0.0000	0.0002	0.0018	0.0622	0.0406	0.0609	0.1561	0.3226
60 mph	0.0019	0.0001	0.0003	0.0035	0.1385	0.0901	0.0636	0.1696	0.4676
65 mph	0.0003	0.0000	0.0000	0.0005	0.0222	0.0142	-	-	0.0372
70 mph	-	-	-	-	-	-	-	-	-
total	0.0677	0.0007	0.0137	0.1452	2.4646	1.7059	4.1658	14.2887	22.8523

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0151)	(0.0001)	(0.0032)	0.0129	0.2551	0.1843	-	-	0.4339
15 mph	(0.0075)	(0.0000)	(0.0016)	0.0063	0.1354	0.0969	-	-	0.2294
20 mph	(0.0031)	(0.0000)	(0.0006)	0.0025	0.0670	0.0470	0.5497	2.0530	2.7155
25 mph	(0.0038)	(0.0000)	(0.0008)	0.0031	0.0937	0.0649	0.7575	2.7454	3.6599
30 mph	(0.0059)	(0.0001)	(0.0012)	0.0047	0.1545	0.1060	1.0619	3.7045	5.0245
35 mph	(0.0107)	(0.0002)	(0.0021)	0.0085	0.3071	0.2081	0.8718	2.8503	4.2328
40 mph	(0.0100)	(0.0002)	(0.0019)	0.0079	0.3150	0.2112	0.6689	2.0589	3.2498
45 mph	(0.0070)	(0.0001)	(0.0013)	0.0054	0.2424	0.1611	0.4188	1.2085	2.0277
50 mph	(0.0072)	(0.0002)	(0.0013)	0.0054	0.2791	0.1836	0.1936	0.5251	1.1780
55 mph	(0.0037)	(0.0001)	(0.0007)	0.0027	0.1633	0.1067	0.0950	0.2438	0.6070
60 mph	(0.0023)	(0.0001)	(0.0004)	0.0016	0.1092	0.0710	6.9563	18.5394	25.6747
65 mph	(0.0008)	(0.0000)	(0.0001)	0.0006	0.0467	0.0299	-	-	0.0762
70 mph	(0.0388)	(0.0017)	(0.0068)	0.0290	3.7082	2.1882	-	-	5.8781
total	(0.1159)	(0.0028)	(0.0220)	0.0907	5.8766	3.6587	11.5735	33.9288	54.9876

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.2483	0.8878	2.9191	9.3745	14.4297
15 mph	0.0616	0.0003	0.0130	0.0177	0.2699	0.1932	0.3421	1.2601	2.1578
25 mph	-	-	-	-	0.1774	0.1228	0.7947	2.8804	3.9753
35 mph	0.0420	0.0006	0.0082	0.0105	-	-	-	-	0.0613
total	0.1036	0.0010	0.0211	0.0282	1.6956	1.2037	4.0560	13.5150	20.6241

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.2483	0.8878	2.9191	9.3745	14.4297
10 mph	0.0083	0.0000	0.0018	0.0652	0.8622	0.6227	0.8747	3.1704	5.6052
15 mph	0.0587	0.0003	0.0124	0.0342	0.5340	0.3823	0.5161	1.9012	3.4392
20 mph	0.0007	0.0000	0.0001	0.0106	0.1947	0.1365	0.7843	2.9294	4.0564
25 mph	0.0080	0.0001	0.0016	0.0279	0.7169	0.4963	2.5686	9.3092	13.1286
30 mph	0.0041	0.0001	0.0008	0.0256	0.5587	0.3835	1.8174	6.3403	9.1305
35 mph	0.0379	0.0006	0.0074	0.0329	0.5993	0.4061	1.1509	3.7628	5.9980
40 mph	(0.0082)	(0.0001)	(0.0016)	0.0118	0.4049	0.2715	0.9285	2.8579	4.4647
45 mph	(0.0057)	(0.0001)	(0.0011)	0.0082	0.3145	0.2090	0.5977	1.7243	2.8468
50 mph	(0.0060)	(0.0001)	(0.0011)	0.0079	0.3528	0.2321	0.4621	1.2536	2.3013
55 mph	(0.0028)	(0.0001)	(0.0005)	0.0045	0.2255	0.1473	0.1559	0.3999	0.9297
60 mph	(0.0004)	(0.0000)	(0.0001)	0.0051	0.2477	0.1610	7.0199	18.7090	26.1423
65 mph	(0.0006)	(0.0000)	(0.0001)	0.0010	0.0689	0.0441	-	-	0.1134
70 mph	(0.0388)	(0.0017)	(0.0068)	0.0290	3.7082	2.1882	-	-	5.8781
total	0.0554	(0.0011)	0.0128	0.2641	10.0368	6.5684	19.7953	61.7325	98.4641

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								3.7925	3.7925
15 mph								0.8899	0.8899
20 mph								1.2871	1.2871
25 mph								5.1897	5.1897
30 mph								3.4793	3.4793
35 mph								1.1550	1.1550
40 mph								0.9470	0.9470
45 mph								0.5594	0.5594
50 mph								0.6719	0.6719
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	17.9719	17.9719

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								3.0150	3.0150
25 mph								3.8681	3.8681
30 mph								4.8902	4.8902
35 mph								3.6073	3.6073
40 mph								2.4403	2.4403
45 mph								1.3105	1.3105
50 mph								0.4843	0.4843
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	15.3805	15.3805

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.4840	0.4840
15 mph								1.7494	1.7494
25 mph								4.0583	4.0583
35 mph								-	-
total	-	-	-	-	-	-	-	6.2916	6.2916

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.4840	0.4840
10 mph								3.7925	3.7925
15 mph								2.6393	2.6393
20 mph								4.3020	4.3020
25 mph								13.1160	13.1160
30 mph								8.3695	8.3695
35 mph								4.7623	4.7623
40 mph								3.3873	3.3873
45 mph								1.8700	1.8700
50 mph								1.1563	1.1563
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	43.8791	43.8791

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	10.9615	3.8769	14.2588	9.9527	39.0499
10 mph	0.3847	0.0553	0.1992	1.9054	1.5575	0.7652	1.3226	7.0479	13.2379
15 mph	4.9557	0.7032	2.5604	1.7993	1.1898	0.5247	0.9081	4.6142	17.2553
20 mph	0.1371	0.0193	0.0708	1.2598	0.6053	0.2287	1.5855	7.3804	11.2868
25 mph	2.1943	0.3067	1.1291	4.8813	2.5843	0.9239	5.5359	22.9856	40.5410
30 mph	1.3481	0.1875	0.6917	5.3262	2.1267	0.7455	4.1159	15.1520	29.6937
35 mph	14.0570	1.9573	7.1999	7.7397	2.3441	0.8067	2.7562	8.8396	45.7004
40 mph	(3.3217)	(0.4634)	(1.7017)	3.0787	1.6149	0.5463	2.3763	6.5278	8.6573
45 mph	(2.4554)	(0.3430)	(1.2582)	2.3363	1.2602	0.4187	1.5942	3.7930	5.3457
50 mph	(2.6490)	(0.3747)	(1.3611)	2.3846	1.3927	0.4541	1.2626	2.5675	3.6767
55 mph	(1.2455)	(0.1785)	(0.6422)	1.4198	0.8775	0.2796	0.4154	0.4521	1.3782
60 mph	(0.1592)	(0.0231)	(0.0824)	1.5408	0.9396	0.2944	18.0648	20.9016	41.4764
65 mph	(0.1950)	(0.0291)	(0.1016)	0.2779	0.2410	0.0751	-	-	0.2684
70 mph	(12.4368)	(2.0515)	(6.5444)	6.7941	9.0918	2.9978	-	-	(2.1490)
STREX	3.6499	0.2941	1.7210	7.4504	1.5095	0.4525	1.8394	0.0161	16.9329
total	4.2642	0.0600	1.8805	48.1944	38.2963	13.3901	56.0357	110.2307	**272.3519**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.0086	2.1428	2.5316	2.8842	1.6430	1.6034	3.9946	5.1986
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	3.6499	0.2941	1.7210	7.4504	1.5095	0.4525	1.8394	0.0161
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	3.6499	0.2941	1.7210	7.4504	1.5095	0.4525	1.8394	0.0161

World Logistics Center
Mobile Emissions - 2024 (Net) - Unmitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0556	0.0556	0.1409	0.2275
10 mph	0.0048	0.0056	0.0059	0.0073	0.0147	0.0169	0.0306	0.0370
15 mph	0.0039	0.0046	0.0048	0.0059	0.0120	0.0138	0.0250	0.0304
20 mph	0.0032	0.0038	0.0040	0.0049	0.0100	0.0115	0.0208	0.0253
25 mph	0.0028	0.0032	0.0034	0.0042	0.0085	0.0098	0.0178	0.0216
30 mph	0.0025	0.0029	0.0030	0.0037	0.0076	0.0087	0.0158	0.0192
35 mph	0.0023	0.0027	0.0028	0.0035	0.0070	0.0081	0.0146	0.0178
40 mph	0.0022	0.0026	0.0027	0.0034	0.0068	0.0078	0.0142	0.0172
45 mph	0.0022	0.0026	0.0027	0.0034	0.0068	0.0079	0.0142	0.0172
50 mph	0.0023	0.0027	0.0028	0.0035	0.0070	0.0081	0.0146	0.0177
55 mph	0.0024	0.0028	0.0029	0.0036	0.0073	0.0084	0.0152	0.0184
60 mph	0.0025	0.0029	0.0030	0.0038	0.0076	0.0088	0.0158	0.0191
65 mph	0.0025	0.0029	0.0031	0.0039	0.0079	0.0090		
70 mph	0.0025	0.0030	0.0031	0.0040	0.0080	0.0091		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0352	0.0566	0.0588	0.0541
10 mph	0.0038	0.0082	0.0051	0.0064	0.0091	0.0102	0.0179	0.0302
15 mph	0.0031	0.0069	0.0043	0.0054	0.0059	0.0068	0.0141	0.0219
20 mph	0.0026	0.0056	0.0035	0.0045	0.0051	0.0058	0.0121	0.0180
25 mph	0.0021	0.0047	0.0029	0.0038	0.0045	0.0051	0.0105	0.0155
30 mph	0.0019	0.0041	0.0025	0.0033	0.0041	0.0046	0.0093	0.0136
35 mph	0.0017	0.0036	0.0023	0.0030	0.0041	0.0047	0.0083	0.0125
40 mph	0.0016	0.0034	0.0021	0.0028	0.0040	0.0045	0.0077	0.0114
45 mph	0.0015	0.0033	0.0021	0.0027	0.0039	0.0043	0.0073	0.0108
50 mph	0.0015	0.0033	0.0021	0.0027	0.0041	0.0045	0.0072	0.0104
55 mph	0.0016	0.0034	0.0022	0.0029	0.0043	0.0046	0.0073	0.0107
60 mph	0.0017	0.0037	0.0023	0.0031	0.0043	0.0046	0.0078	0.0113
65 mph	0.0019	0.0041	0.0026	0.0035	0.0044	0.0047		
70 mph	0.0021	0.0043	0.0028	0.0038	0.0045	0.0048		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0050	0.0004	0.0023	0.0064	0.0056	0.0020	0.0067	0.0001	0.0284
15 mph	0.0016	0.0001	0.0007	0.0021	0.0018	0.0006	0.0018	0.0000	0.0089
20 mph	0.0027	0.0002	0.0012	0.0035	0.0030	0.0011	0.0030	0.0000	0.0148
25 mph	0.0115	0.0010	0.0053	0.0150	0.0129	0.0046	0.0143	0.0001	0.0647
30 mph	0.0113	0.0010	0.0052	0.0146	0.0126	0.0044	0.0115	0.0001	0.0607
35 mph	0.0085	0.0008	0.0039	0.0111	0.0096	0.0034	0.0048	0.0000	0.0422
40 mph	0.0028	0.0002	0.0013	0.0036	0.0031	0.0011	0.0052	0.0000	0.0173
45 mph	0.0023	0.0002	0.0011	0.0030	0.0026	0.0009	0.0042	0.0000	0.0143
50 mph	0.0024	0.0002	0.0011	0.0031	0.0027	0.0009	0.0069	0.0001	0.0174
55 mph	0.0020	0.0002	0.0009	0.0026	0.0022	0.0008	0.0017	0.0000	0.0103
60 mph	0.0041	0.0004	0.0019	0.0053	0.0046	0.0016	0.0017	0.0000	0.0196
65 mph	0.0005	0.0000	0.0002	0.0007	0.0006	0.0002	-	-	0.0023
70 mph	-	-	-	-	-	-	-	-	-
total	0.0547	0.0048	0.0252	0.0710	0.0612	0.0216	0.0618	0.0005	0.3008

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0032)	(0.0003)	(0.0015)	0.0016	0.0023	0.0008	-	-	(0.0002)
15 mph	(0.0026)	(0.0002)	(0.0012)	0.0013	0.0019	0.0007	-	-	(0.0002)
20 mph	(0.0022)	(0.0002)	(0.0010)	0.0011	0.0016	0.0006	0.0071	0.0001	0.0070
25 mph	(0.0037)	(0.0003)	(0.0017)	0.0018	0.0027	0.0010	0.0106	0.0001	0.0104
30 mph	(0.0066)	(0.0006)	(0.0031)	0.0033	0.0048	0.0017	0.0162	0.0001	0.0158
35 mph	(0.0138)	(0.0012)	(0.0064)	0.0068	0.0100	0.0035	0.0150	0.0001	0.0142
40 mph	(0.0149)	(0.0013)	(0.0069)	0.0074	0.0108	0.0038	0.0133	0.0001	0.0124
45 mph	(0.0119)	(0.0011)	(0.0055)	0.0059	0.0087	0.0031	0.0097	0.0001	0.0089
50 mph	(0.0138)	(0.0012)	(0.0064)	0.0069	0.0101	0.0035	0.0050	0.0000	0.0040
55 mph	(0.0080)	(0.0007)	(0.0037)	0.0040	0.0058	0.0021	0.0026	0.0000	0.0021
60 mph	(0.0049)	(0.0004)	(0.0023)	0.0025	0.0036	0.0013	0.1893	0.0015	0.1905
65 mph	(0.0017)	(0.0001)	(0.0008)	0.0008	0.0012	0.0004	-	-	(0.0001)
70 mph	(0.0784)	(0.0070)	(0.0362)	0.0397	0.0583	0.0205	-	-	(0.0032)
total	(0.1659)	(0.0147)	(0.0766)	0.0830	0.1219	0.0429	0.2688	0.0022	0.2617

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0035	0.0011	0.0041	0.0001	0.0088
15 mph	0.0215	0.0019	0.0099	0.0036	0.0038	0.0013	0.0036	0.0000	0.0457
25 mph	-	-	-	-	0.0051	0.0018	0.0111	0.0001	0.0182
35 mph	0.0542	0.0048	0.0250	0.0084	-	-	-	-	0.0925
total	0.0758	0.0067	0.0350	0.0120	0.0124	0.0042	0.0189	0.0002	0.1652

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0035	0.0011	0.0041	0.0001	0.0088
10 mph	0.0018	0.0002	0.0008	0.0080	0.0079	0.0028	0.0067	0.0001	0.0282
15 mph	0.0205	0.0018	0.0095	0.0070	0.0075	0.0027	0.0054	0.0000	0.0545
20 mph	0.0005	0.0000	0.0002	0.0046	0.0046	0.0016	0.0101	0.0001	0.0218
25 mph	0.0078	0.0007	0.0036	0.0168	0.0207	0.0073	0.0360	0.0003	0.0933
30 mph	0.0047	0.0004	0.0021	0.0179	0.0174	0.0061	0.0277	0.0002	0.0766
35 mph	0.0490	0.0043	0.0226	0.0264	0.0196	0.0069	0.0198	0.0002	0.1488
40 mph	(0.0121)	(0.0011)	(0.0056)	0.0110	0.0139	0.0049	0.0185	0.0002	0.0296
45 mph	(0.0096)	(0.0008)	(0.0044)	0.0089	0.0113	0.0040	0.0139	0.0001	0.0232
50 mph	(0.0115)	(0.0010)	(0.0053)	0.0100	0.0127	0.0045	0.0119	0.0001	0.0214
55 mph	(0.0060)	(0.0005)	(0.0028)	0.0065	0.0080	0.0028	0.0043	0.0000	0.0124
60 mph	(0.0009)	(0.0001)	(0.0004)	0.0078	0.0082	0.0029	0.1910	0.0016	0.2102
65 mph	(0.0012)	(0.0001)	(0.0005)	0.0015	0.0018	0.0006	-	-	0.0022
70 mph	(0.0784)	(0.0070)	(0.0362)	0.0397	0.0583	0.0205	-	-	(0.0032)
total	(0.0354)	(0.0032)	(0.0164)	0.1661	0.1955	0.0688	0.3495	0.0029	0.7278

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0001	0.0026	0.0021	0.0194	0.0621	0.0863
15 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0051	0.0150	0.0214
20 mph	0.0000	0.0000	0.0000	0.0001	0.0012	0.0009	0.0087	0.0247	0.0356
25 mph	0.0001	0.0000	0.0000	0.0003	0.0051	0.0042	0.0419	0.1170	0.1686
30 mph	0.0001	0.0000	0.0000	0.0003	0.0051	0.0041	0.0336	0.0934	0.1366
35 mph	0.0001	0.0000	0.0000	0.0002	0.0042	0.0034	0.0135	0.0386	0.0600
40 mph	0.0000	0.0000	0.0000	0.0001	0.0014	0.0011	0.0138	0.0391	0.0555
45 mph	0.0000	0.0000	0.0000	0.0001	0.0011	0.0009	0.0105	0.0295	0.0421
50 mph	0.0000	0.0000	0.0000	0.0001	0.0012	0.0009	0.0168	0.0464	0.0653
55 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0008	0.0040	0.0110	0.0168
60 mph	0.0000	0.0000	0.0000	0.0001	0.0020	0.0015	0.0042	0.0116	0.0194
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0005
70 mph	-	-	-	-	-	-	-	-	-
total	0.0004	0.0000	0.0002	0.0015	0.0256	0.0205	0.1714	0.4885	0.7082

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0011	0.0009	-	-	0.0020
15 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0007	0.0006	-	-	0.0013
20 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0006	0.0005	0.0204	0.0580	0.0795
25 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0011	0.0009	0.0312	0.0872	0.1203
30 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0020	0.0016	0.0472	0.1313	0.1820
35 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0044	0.0036	0.0423	0.1205	0.1708
40 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0048	0.0038	0.0356	0.1008	0.1450
45 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0037	0.0029	0.0246	0.0692	0.1004
50 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0044	0.0034	0.0121	0.0334	0.0533
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0025	0.0020	0.0062	0.0172	0.0279
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0015	0.0012	0.4614	1.2702	1.7344
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0005	0.0004	-	-	0.0009
70 mph	(0.0006)	(0.0000)	(0.0002)	0.0009	0.0246	0.0187	-	-	0.0434
total	(0.0013)	(0.0000)	(0.0005)	0.0018	0.0519	0.0404	0.6809	1.8879	2.6612

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0017	0.0019	0.0086	0.0150	0.0271
15 mph	0.0002	0.0000	0.0001	0.0001	0.0014	0.0011	0.0100	0.0296	0.0425
25 mph	-	-	-	-	0.0020	0.0017	0.0327	0.0915	0.1279
35 mph	0.0004	0.0000	0.0001	0.0002	-	-	-	-	0.0007
total	0.0006	0.0000	0.0002	0.0003	0.0051	0.0047	0.0513	0.1360	0.1982

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0017	0.0019	0.0086	0.0150	0.0271
10 mph	0.0000	0.0000	0.0000	0.0002	0.0037	0.0029	0.0194	0.0621	0.0883
15 mph	0.0002	0.0000	0.0001	0.0002	0.0028	0.0023	0.0151	0.0446	0.0652
20 mph	0.0000	0.0000	0.0000	0.0001	0.0018	0.0014	0.0291	0.0827	0.1151
25 mph	0.0001	0.0000	0.0000	0.0004	0.0082	0.0067	0.1058	0.2957	0.4168
30 mph	0.0000	0.0000	0.0000	0.0004	0.0071	0.0057	0.0807	0.2247	0.3186
35 mph	0.0004	0.0000	0.0001	0.0006	0.0086	0.0070	0.0558	0.1591	0.2315
40 mph	(0.0001)	(0.0000)	(0.0000)	0.0002	0.0061	0.0049	0.0494	0.1399	0.2005
45 mph	(0.0001)	(0.0000)	(0.0000)	0.0002	0.0048	0.0038	0.0350	0.0988	0.1425
50 mph	(0.0001)	(0.0000)	(0.0000)	0.0002	0.0055	0.0043	0.0289	0.0798	0.1186
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0035	0.0027	0.0102	0.0282	0.0447
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0002	0.0035	0.0027	0.4656	1.2819	1.7538
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0008	0.0006	-	-	0.0014
70 mph	(0.0006)	(0.0000)	(0.0002)	0.0009	0.0246	0.0187	-	-	0.0434
total	(0.0003)	(0.0000)	(0.0001)	0.0036	0.0826	0.0657	0.9037	2.5124	3.5676

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
15 mph								-	-
25 mph								-	-
35 mph								-	-
total	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0052	0.0030	0.0127	0.0150	0.0359
10 mph	0.0018	0.0002	0.0008	0.0082	0.0116	0.0057	0.0261	0.0621	0.1164
15 mph	0.0207	0.0018	0.0095	0.0072	0.0103	0.0049	0.0205	0.0447	0.1197
20 mph	0.0005	0.0000	0.0002	0.0047	0.0064	0.0031	0.0392	0.0828	0.1369
25 mph	0.0079	0.0007	0.0036	0.0172	0.0290	0.0140	0.1418	0.2960	0.5101
30 mph	0.0047	0.0004	0.0022	0.0183	0.0245	0.0119	0.1084	0.2250	0.3952
35 mph	0.0493	0.0043	0.0227	0.0269	0.0282	0.0139	0.0756	0.1593	0.3803
40 mph	(0.0122)	(0.0011)	(0.0056)	0.0112	0.0200	0.0098	0.0679	0.1401	0.2301
45 mph	(0.0097)	(0.0008)	(0.0045)	0.0091	0.0161	0.0078	0.0489	0.0989	0.1657
50 mph	(0.0115)	(0.0010)	(0.0053)	0.0102	0.0183	0.0088	0.0408	0.0799	0.1401
55 mph	(0.0061)	(0.0005)	(0.0028)	0.0067	0.0115	0.0056	0.0144	0.0283	0.0571
60 mph	(0.0009)	(0.0001)	(0.0004)	0.0079	0.0117	0.0056	0.6566	1.2834	1.9640
65 mph	(0.0012)	(0.0001)	(0.0005)	0.0016	0.0026	0.0012	-	-	0.0036
70 mph	(0.0791)	(0.0070)	(0.0365)	0.0407	0.0828	0.0392	-	-	0.0401
STREX	0.0009	0.0001	0.0004	0.0021	0.0002	0.0001	0.0002	0.0000	0.0039
total	(0.0348)	(0.0031)	(0.0161)	0.1717	0.2783	0.1345	1.2533	2.5153	**4.2992**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0005	0.0006	0.0006	0.0008	0.0002	0.0002	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0009	0.0001	0.0004	0.0021	0.0002	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0009	0.0001	0.0004	0.0021	0.0002	0.0001	0.0002	0.0000

World Logistics Center
Mobile Emissions - 2024 (Net) - Unmitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0393	0.0361	0.0338	0.0418
10 mph	0.0057	0.0079	0.0060	0.0062	0.0050	0.0046	0.0044	0.0054
15 mph	0.0038	0.0053	0.0040	0.0041	0.0034	0.0031	0.0029	0.0036
20 mph	0.0027	0.0038	0.0028	0.0029	0.0024	0.0022	0.0020	0.0026
25 mph	0.0020	0.0028	0.0021	0.0021	0.0018	0.0016	0.0015	0.0020
30 mph	0.0015	0.0022	0.0016	0.0017	0.0014	0.0012	0.0012	0.0016
35 mph	0.0013	0.0018	0.0013	0.0014	0.0011	0.0010	0.0010	0.0013
40 mph	0.0011	0.0016	0.0012	0.0012	0.0010	0.0009	0.0008	0.0011
45 mph	0.0010	0.0014	0.0011	0.0011	0.0009	0.0008	0.0008	0.0011
50 mph	0.0010	0.0014	0.0010	0.0010	0.0009	0.0008	0.0007	0.0010
55 mph	0.0010	0.0014	0.0010	0.0011	0.0009	0.0008	0.0008	0.0011
60 mph	0.0011	0.0015	0.0011	0.0011	0.0010	0.0009	0.0008	0.0011
65 mph	0.0012	0.0017	0.0013	0.0011	0.0011	0.0010		
70 mph	0.0013	0.0019	0.0014	0.0014	0.0012	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7969	0.8116	0.0764	0.0207
10 mph	0.0167	0.3302	0.0118	0.0096	0.0331	0.0376	0.0494	0.0285
15 mph	0.0131	0.2394	0.0097	0.0078	0.0248	0.0292	0.0347	0.0248
20 mph	0.0104	0.1830	0.0080	0.0064	0.0201	0.0238	0.0249	0.0259
25 mph	0.0083	0.1468	0.0067	0.0053	0.0166	0.0198	0.0208	0.0191
30 mph	0.0069	0.1235	0.0058	0.0046	0.0145	0.0172	0.0190	0.0181
35 mph	0.0060	0.1091	0.0052	0.0041	0.0131	0.0155	0.0183	0.0182
40 mph	0.0054	0.1000	0.0048	0.0038	0.0122	0.0143	0.0188	0.0200
45 mph	0.0052	0.0954	0.0045	0.0036	0.0115	0.0134	0.0204	0.0231
50 mph	0.0050	0.0957	0.0043	0.0034	0.0113	0.0130	0.0236	0.0278
55 mph	0.0050	0.1005	0.0041	0.0033	0.0112	0.0128	0.0276	0.0333
60 mph	0.0053	0.1096	0.0042	0.0034	0.0116	0.0131	0.0314	0.0401
65 mph	0.0056	0.1272	0.0044	0.0036	0.0131	0.0145		
70 mph	0.0054	0.1539	0.0051	0.0040	0.0196	0.0187		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0580
10 mph								0.0084
15 mph								0.0069
20 mph								0.0058
25 mph								0.0052
30 mph								0.0048
35 mph								0.0046
40 mph								0.0045
45 mph								0.0045
50 mph								0.0047
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0059	0.0006	0.0023	0.0055	0.0019	0.0005	0.0010	0.0000	0.0178
15 mph	0.0016	0.0002	0.0006	0.0015	0.0005	0.0001	0.0002	0.0000	0.0047
20 mph	0.0022	0.0002	0.0009	0.0021	0.0007	0.0002	0.0003	0.0000	0.0066
25 mph	0.0082	0.0009	0.0033	0.0076	0.0027	0.0007	0.0012	0.0000	0.0246
30 mph	0.0070	0.0008	0.0028	0.0065	0.0023	0.0006	0.0008	0.0000	0.0209
35 mph	0.0047	0.0005	0.0019	0.0044	0.0015	0.0004	0.0003	0.0000	0.0138
40 mph	0.0014	0.0001	0.0005	0.0013	0.0004	0.0001	0.0003	0.0000	0.0042
45 mph	0.0010	0.0001	0.0004	0.0010	0.0003	0.0001	0.0002	0.0000	0.0032
50 mph	0.0010	0.0001	0.0004	0.0009	0.0003	0.0001	0.0003	0.0000	0.0032
55 mph	0.0008	0.0001	0.0003	0.0008	0.0003	0.0001	0.0001	0.0000	0.0024
60 mph	0.0018	0.0002	0.0007	0.0016	0.0006	0.0002	0.0001	0.0000	0.0051
65 mph	0.0002	0.0000	0.0001	0.0002	0.0001	0.0000	-	-	0.0007
70 mph	-	-	-	-	-	-	-	-	-
total	0.0359	0.0039	0.0142	0.0333	0.0117	0.0032	0.0049	0.0000	0.1071

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0038)	(0.0004)	(0.0015)	0.0013	0.0008	0.0002	-	-	(0.0034)
15 mph	(0.0026)	(0.0003)	(0.0010)	0.0009	0.0005	0.0001	-	-	(0.0022)
20 mph	(0.0018)	(0.0002)	(0.0007)	0.0006	0.0004	0.0001	0.0007	0.0000	(0.0009)
25 mph	(0.0026)	(0.0003)	(0.0010)	0.0009	0.0006	0.0002	0.0009	0.0000	(0.0014)
30 mph	(0.0041)	(0.0004)	(0.0016)	0.0015	0.0009	0.0002	0.0012	0.0000	(0.0024)
35 mph	(0.0076)	(0.0008)	(0.0030)	0.0027	0.0016	0.0004	0.0010	0.0000	(0.0057)
40 mph	(0.0074)	(0.0008)	(0.0029)	0.0026	0.0016	0.0004	0.0008	0.0000	(0.0057)
45 mph	(0.0054)	(0.0006)	(0.0021)	0.0019	0.0012	0.0003	0.0005	0.0000	(0.0042)
50 mph	(0.0058)	(0.0006)	(0.0023)	0.0021	0.0013	0.0003	0.0003	0.0000	(0.0049)
55 mph	(0.0033)	(0.0004)	(0.0013)	0.0012	0.0007	0.0002	0.0001	0.0000	(0.0028)
60 mph	(0.0021)	(0.0002)	(0.0008)	0.0007	0.0005	0.0001	0.0097	0.0001	0.0079
65 mph	(0.0008)	(0.0001)	(0.0003)	0.0002	0.0002	0.0000	-	-	(0.0007)
70 mph	(0.0400)	(0.0043)	(0.0156)	0.0137	0.0086	0.0023	-	-	(0.0354)
total	(0.0875)	(0.0094)	(0.0343)	0.0303	0.0187	0.0051	0.0151	0.0001	(0.0619)

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0025	0.0007	0.0010	0.0000	0.0042
15 mph	0.0210	0.0022	0.0083	0.0025	0.0011	0.0003	0.0004	0.0000	0.0358
25 mph	-	-	-	-	0.0011	0.0003	0.0009	0.0000	0.0023
35 mph	0.0300	0.0033	0.0118	0.0033	-	-	-	-	0.0484
total	0.0510	0.0055	0.0202	0.0058	0.0046	0.0013	0.0023	0.0000	0.0907

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0025	0.0007	0.0010	0.0000	0.0042
10 mph	0.0021	0.0002	0.0008	0.0068	0.0027	0.0008	0.0010	0.0000	0.0144
15 mph	0.0200	0.0021	0.0079	0.0049	0.0021	0.0006	0.0006	0.0000	0.0383
20 mph	0.0004	0.0000	0.0002	0.0027	0.0011	0.0003	0.0010	0.0000	0.0057
25 mph	0.0056	0.0006	0.0022	0.0086	0.0043	0.0012	0.0030	0.0000	0.0254
30 mph	0.0029	0.0003	0.0011	0.0080	0.0032	0.0009	0.0020	0.0000	0.0184
35 mph	0.0271	0.0029	0.0107	0.0104	0.0032	0.0009	0.0013	0.0000	0.0564
40 mph	(0.0060)	(0.0007)	(0.0024)	0.0039	0.0020	0.0006	0.0011	0.0000	(0.0015)
45 mph	(0.0043)	(0.0005)	(0.0017)	0.0029	0.0015	0.0004	0.0007	0.0000	(0.0010)
50 mph	(0.0048)	(0.0005)	(0.0019)	0.0030	0.0016	0.0004	0.0006	0.0000	(0.0017)
55 mph	(0.0025)	(0.0003)	(0.0010)	0.0019	0.0010	0.0003	0.0002	0.0000	(0.0004)
60 mph	(0.0004)	(0.0000)	(0.0001)	0.0024	0.0010	0.0003	0.0098	0.0001	0.0130
65 mph	(0.0006)	(0.0001)	(0.0002)	0.0005	0.0003	0.0001	-	-	(0.0000)
70 mph	(0.0400)	(0.0043)	(0.0156)	0.0137	0.0086	0.0023	-	-	(0.0354)
total	(0.0005)	(0.0001)	0.0001	0.0694	0.0349	0.0096	0.0223	0.0002	0.1359

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0002	0.0000	0.0000	0.0002	0.0094	0.0076	0.0535	0.0586	0.1295
15 mph	0.0001	0.0000	0.0000	0.0001	0.0028	0.0024	0.0125	0.0170	0.0349
20 mph	0.0001	0.0000	0.0000	0.0001	0.0046	0.0039	0.0180	0.0355	0.0621
25 mph	0.0003	0.0000	0.0001	0.0005	0.0189	0.0160	0.0827	0.1439	0.2624
30 mph	0.0003	0.0000	0.0001	0.0004	0.0181	0.0153	0.0685	0.1239	0.2266
35 mph	0.0002	0.0000	0.0001	0.0003	0.0135	0.0113	0.0297	0.0562	0.1112
40 mph	0.0001	0.0000	0.0000	0.0001	0.0042	0.0035	0.0340	0.0685	0.1103
45 mph	0.0001	0.0000	0.0000	0.0001	0.0033	0.0027	0.0295	0.0634	0.0990
50 mph	0.0001	0.0000	0.0000	0.0001	0.0032	0.0026	0.0553	0.1240	0.1853
55 mph	0.0000	0.0000	0.0000	0.0001	0.0026	0.0021	0.0150	0.0343	0.0540
60 mph	0.0001	0.0000	0.0000	0.0001	0.0053	0.0042	0.0170	0.0413	0.0680
65 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0006	-	-	0.0014
70 mph	-	-	-	-	-	-	-	-	-
total	0.0015	0.0001	0.0003	0.0020	0.0865	0.0721	0.4156	0.7666	1.3447

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0040	0.0032	-	-	0.0071
15 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0030	0.0025	-	-	0.0054
20 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0024	0.0020	0.0420	0.0832	0.1296
25 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0040	0.0034	0.0616	0.1073	0.1761
30 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0069	0.0058	0.0962	0.1741	0.2830
35 mph	(0.0004)	(0.0000)	(0.0001)	0.0002	0.0141	0.0118	0.0928	0.1756	0.2941
40 mph	(0.0004)	(0.0000)	(0.0001)	0.0002	0.0146	0.0121	0.0876	0.1765	0.2906
45 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0110	0.0091	0.0691	0.1485	0.2376
50 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0122	0.0100	0.0398	0.0894	0.1511
55 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0067	0.0055	0.0234	0.0535	0.0890
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0041	0.0033	1.8577	4.5119	6.3770
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0016	0.0012	-	-	0.0028
70 mph	(0.0016)	(0.0002)	(0.0004)	0.0010	0.1076	0.0733	-	-	0.1797
total	(0.0038)	(0.0003)	(0.0009)	0.0021	0.1922	0.1433	2.3704	5.5200	8.2230

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0378	0.0274	0.0111	0.0057	0.0821
15 mph	0.0007	0.0000	0.0001	0.0001	0.0059	0.0049	0.0247	0.0334	0.0700
25 mph	-	-	-	-	0.0075	0.0064	0.0646	0.1125	0.1911
35 mph	0.0014	0.0001	0.0003	0.0002	-	-	-	-	0.0021
total	0.0021	0.0001	0.0005	0.0004	0.0513	0.0387	0.1004	0.1517	0.3452

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0378	0.0274	0.0111	0.0057	0.0821
10 mph	0.0001	0.0000	0.0000	0.0003	0.0134	0.0108	0.0535	0.0586	0.1366
15 mph	0.0007	0.0000	0.0001	0.0002	0.0117	0.0098	0.0372	0.0505	0.1102
20 mph	0.0000	0.0000	0.0000	0.0001	0.0070	0.0059	0.0600	0.1187	0.1917
25 mph	0.0002	0.0000	0.0001	0.0005	0.0304	0.0257	0.2089	0.3638	0.6296
30 mph	0.0001	0.0000	0.0000	0.0005	0.0250	0.0211	0.1647	0.2981	0.5096
35 mph	0.0013	0.0001	0.0003	0.0008	0.0276	0.0231	0.1225	0.2318	0.4073
40 mph	(0.0003)	(0.0000)	(0.0001)	0.0003	0.0187	0.0156	0.1216	0.2450	0.4009
45 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0143	0.0119	0.0987	0.2118	0.3366
50 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0154	0.0126	0.0951	0.2134	0.3364
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0093	0.0075	0.0384	0.0878	0.1430
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0002	0.0094	0.0076	1.8747	4.5532	6.4450
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0023	0.0018	-	-	0.0041
70 mph	(0.0016)	(0.0002)	(0.0004)	0.0010	0.1076	0.0733	-	-	0.1797
total	(0.0002)	(0.0001)	(0.0001)	0.0045	0.3299	0.2541	2.8864	6.4384	9.9129

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0009	0.0009
15 mph								0.0003	0.0003
20 mph								0.0004	0.0004
25 mph								0.0021	0.0021
30 mph								0.0018	0.0018
35 mph								0.0008	0.0008
40 mph								0.0008	0.0008
45 mph								0.0007	0.0007
50 mph								0.0011	0.0011
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0089	0.0089

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0010	0.0010
25 mph								0.0016	0.0016
30 mph								0.0025	0.0025
35 mph								0.0024	0.0024
40 mph								0.0022	0.0022
45 mph								0.0016	0.0016
50 mph								0.0008	0.0008
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0075	0.0075

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
15 mph								0.0005	0.0005
25 mph								0.0017	0.0017
35 mph								-	-
total	-	-	-	-	-	-	-	0.0030	0.0030

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
10 mph								0.0009	0.0009
15 mph								0.0008	0.0008
20 mph								0.0014	0.0014
25 mph								0.0053	0.0053
30 mph								0.0043	0.0043
35 mph								0.0032	0.0032
40 mph								0.0030	0.0030
45 mph								0.0022	0.0022
50 mph								0.0019	0.0019
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0239	0.0239

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0403	0.0281	0.0121	0.0066	0.0871
10 mph	0.0022	0.0002	0.0008	0.0071	0.0161	0.0115	0.0544	0.0596	0.1519
15 mph	0.0207	0.0022	0.0081	0.0051	0.0138	0.0104	0.0378	0.0512	0.1492
20 mph	0.0004	0.0000	0.0002	0.0028	0.0081	0.0062	0.0610	0.1202	0.1989
25 mph	0.0058	0.0006	0.0023	0.0091	0.0347	0.0269	0.2120	0.3691	0.6604
30 mph	0.0030	0.0003	0.0012	0.0085	0.0282	0.0220	0.1667	0.3024	0.5323
35 mph	0.0283	0.0030	0.0110	0.0111	0.0307	0.0240	0.1238	0.2349	0.4669
40 mph	(0.0063)	(0.0007)	(0.0024)	0.0042	0.0207	0.0161	0.1227	0.2480	0.4024
45 mph	(0.0046)	(0.0005)	(0.0018)	0.0031	0.0158	0.0123	0.0994	0.2141	0.3378
50 mph	(0.0051)	(0.0005)	(0.0020)	0.0032	0.0170	0.0130	0.0957	0.2153	0.3367
55 mph	(0.0026)	(0.0003)	(0.0010)	0.0021	0.0102	0.0078	0.0386	0.0878	0.1426
60 mph	(0.0004)	(0.0000)	(0.0001)	0.0025	0.0104	0.0079	1.8845	4.5533	6.4581
65 mph	(0.0006)	(0.0001)	(0.0002)	0.0005	0.0026	0.0019	-	-	0.0041
70 mph	(0.0417)	(0.0045)	(0.0160)	0.0146	0.1162	0.0756	-	-	0.1443
STREX	0.0032	0.0003	0.0012	0.0049	0.0004	0.0001	0.0002	0.0000	0.0103
total	0.0025	0.0002	0.0012	0.0788	0.3652	0.2638	2.9089	6.4625	**10.0830**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0018	0.0024	0.0018	0.0019	0.0004	0.0003	0.0004	0.0010
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0032	0.0003	0.0012	0.0049	0.0004	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0032	0.0003	0.0012	0.0049	0.0004	0.0001	0.0002	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.9301	0.0702	0.3479	0.7937	0.6373	0.2253	0.5189	0.0020
Diesel	0.0091	0.0000	0.0025	0.0193	0.5030	0.4093	2.5695	3.2999
Electric/NG	0.0245	0.0008	0.0053	0.0107	-	-	-	0.1810
Total	0.9636	0.0711	0.3558	0.8237	1.1403	0.6345	3.0884	3.4829

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	(3.0026)	(0.2268)	(1.1233)	0.9759	1.3392	0.4734	2.4310	0.0094
Diesel	(0.0294)	(0.0001)	(0.0082)	0.0237	1.0571	0.8601	12.0380	15.4599
Electric/NG	(0.0791)	(0.0027)	(0.0173)	0.0132	-	-	-	0.8482
Total	(3.1110)	(0.2295)	(1.1487)	1.0129	2.3964	1.3335	14.4691	16.3175

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.3087	0.0988	0.4896	0.1355	0.0774	0.0274	0.1097	0.0004
Diesel	0.0128	0.0000	0.0036	0.0033	0.0611	0.0497	0.5431	0.6974
Electric/NG	0.0345	0.0012	0.0075	0.0018	-	-	-	0.0383
Total	1.3560	0.1000	0.5007	0.1406	0.1385	0.0771	0.6527	0.7361

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	(0.7638)	(0.0577)	(0.2857)	1.9051	2.0539	0.7261	3.0596	0.0119	6.6494
Diesel	(0.0075)	(0.0000)	(0.0021)	0.0463	1.6213	1.3190	15.1506	19.4572	37.5849
Electric/NG	(0.0201)	(0.0007)	(0.0044)	0.0257	-	-	-	1.0675	1.0681
Total	(0.7913)	(0.0584)	(0.2922)	1.9772	3.6752	2.0451	18.2102	20.5366	**45.3024**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	26.0117
Internal	42.7713
Total	**68.7830**

World Logistics Center
Mobile Emissions - 2024 (Net) - Unmitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0362	0.0332	0.0311	0.0386
10 mph	0.0053	0.0073	0.0056	0.0057	0.0046	0.0042	0.0040	0.0050
15 mph	0.0035	0.0049	0.0037	0.0038	0.0031	0.0028	0.0027	0.0033
20 mph	0.0025	0.0035	0.0026	0.0027	0.0022	0.0020	0.0019	0.0024
25 mph	0.0018	0.0026	0.0019	0.0020	0.0016	0.0015	0.0014	0.0018
30 mph	0.0014	0.0020	0.0015	0.0015	0.0013	0.0011	0.0011	0.0014
35 mph	0.0012	0.0017	0.0012	0.0013	0.0010	0.0009	0.0009	0.0012
40 mph	0.0010	0.0014	0.0011	0.0011	0.0009	0.0008	0.0008	0.0011
45 mph	0.0009	0.0013	0.0010	0.0010	0.0008	0.0007	0.0007	0.0010
50 mph	0.0009	0.0013	0.0009	0.0010	0.0008	0.0007	0.0007	0.0010
55 mph	0.0009	0.0013	0.0010	0.0010	0.0008	0.0007	0.0007	0.0010
60 mph	0.0010	0.0014	0.0010	0.0011	0.0009	0.0008	0.0007	0.0010
65 mph	0.0011	0.0015	0.0012	0.0012	0.0010	0.0009		
70 mph	0.0012	0.0017	0.0012	0.0013	0.0011	0.0009		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7624	0.7765	0.0731	0.0198
10 mph	0.0159	0.3159	0.0113	0.0092	0.0316	0.0359	0.0472	0.0273
15 mph	0.0125	0.2290	0.0093	0.0074	0.0237	0.0279	0.0332	0.0237
20 mph	0.0099	0.1751	0.0077	0.0061	0.0192	0.0228	0.0238	0.0248
25 mph	0.0079	0.1404	0.0064	0.0051	0.0159	0.0189	0.0199	0.0182
30 mph	0.0066	0.1181	0.0056	0.0044	0.0138	0.0164	0.0181	0.0173
35 mph	0.0057	0.1044	0.0050	0.0040	0.0126	0.0148	0.0175	0.0174
40 mph	0.0052	0.0957	0.0046	0.0036	0.0117	0.0137	0.0180	0.0191
45 mph	0.0049	0.0913	0.0043	0.0034	0.0110	0.0129	0.0196	0.0221
50 mph	0.0048	0.0916	0.0041	0.0033	0.0108	0.0125	0.0225	0.0266
55 mph	0.0048	0.0962	0.0040	0.0032	0.0107	0.0123	0.0265	0.0319
60 mph	0.0051	0.1048	0.0040	0.0032	0.0111	0.0126	0.0300	0.0384
65 mph	0.0053	0.1217	0.0042	0.0034	0.0126	0.0138		
70 mph	0.0051	0.1472	0.0049	0.0038	0.0187	0.0179		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0555
10 mph								0.0080
15 mph								0.0066
20 mph								0.0055
25 mph								0.0050
30 mph								0.0046
35 mph								0.0044
40 mph								0.0043
45 mph								0.0043
50 mph								0.0045
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0055	0.0006	0.0022	0.0050	0.0017	0.0005	0.0009	0.0000	0.0164
15 mph	0.0015	0.0002	0.0006	0.0013	0.0005	0.0001	0.0002	0.0000	0.0043
20 mph	0.0020	0.0002	0.0008	0.0019	0.0007	0.0002	0.0003	0.0000	0.0061
25 mph	0.0075	0.0008	0.0030	0.0070	0.0024	0.0007	0.0011	0.0000	0.0226
30 mph	0.0065	0.0007	0.0026	0.0060	0.0021	0.0006	0.0008	0.0000	0.0192
35 mph	0.0043	0.0005	0.0017	0.0040	0.0014	0.0004	0.0003	0.0000	0.0127
40 mph	0.0013	0.0001	0.0005	0.0012	0.0004	0.0001	0.0003	0.0000	0.0039
45 mph	0.0010	0.0001	0.0004	0.0009	0.0003	0.0001	0.0002	0.0000	0.0029
50 mph	0.0009	0.0001	0.0004	0.0009	0.0003	0.0001	0.0003	0.0000	0.0030
55 mph	0.0008	0.0001	0.0003	0.0007	0.0002	0.0001	0.0001	0.0000	0.0022
60 mph	0.0016	0.0002	0.0006	0.0015	0.0005	0.0001	0.0001	0.0000	0.0047
65 mph	0.0002	0.0000	0.0001	0.0002	0.0001	0.0000	-	-	0.0006
70 mph	-	-	-	-	-	-	-	-	-
total	0.0331	0.0035	0.0131	0.0306	0.0107	0.0030	0.0045	0.0000	0.0985

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0035)	(0.0004)	(0.0014)	0.0012	0.0007	0.0002	-	-	(0.0031)
15 mph	(0.0023)	(0.0002)	(0.0009)	0.0008	0.0005	0.0001	-	-	(0.0021)
20 mph	(0.0016)	(0.0002)	(0.0007)	0.0006	0.0003	0.0001	0.0006	0.0000	(0.0008)
25 mph	(0.0024)	(0.0003)	(0.0010)	0.0009	0.0005	0.0001	0.0008	0.0000	(0.0013)
30 mph	(0.0038)	(0.0004)	(0.0015)	0.0013	0.0008	0.0002	0.0011	0.0000	(0.0022)
35 mph	(0.0070)	(0.0008)	(0.0028)	0.0025	0.0015	0.0004	0.0009	0.0000	(0.0053)
40 mph	(0.0068)	(0.0007)	(0.0027)	0.0024	0.0014	0.0004	0.0007	0.0000	(0.0052)
45 mph	(0.0050)	(0.0005)	(0.0020)	0.0017	0.0011	0.0003	0.0005	0.0000	(0.0039)
50 mph	(0.0054)	(0.0006)	(0.0021)	0.0019	0.0012	0.0003	0.0002	0.0000	(0.0045)
55 mph	(0.0030)	(0.0003)	(0.0012)	0.0011	0.0007	0.0002	0.0001	0.0000	(0.0025)
60 mph	(0.0020)	(0.0002)	(0.0008)	0.0007	0.0004	0.0001	0.0089	0.0001	0.0073
65 mph	(0.0007)	(0.0001)	(0.0003)	0.0003	0.0002	0.0000	-	-	(0.0006)
70 mph	(0.0368)	(0.0040)	(0.0143)	0.0126	0.0079	0.0021	-	-	(0.0326)
total	(0.0804)	(0.0087)	(0.0316)	0.0279	0.0172	0.0047	0.0139	0.0001	(0.0569)

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0023	0.0006	0.0009	0.0000	0.0038
15 mph	0.0193	0.0020	0.0076	0.0023	0.0010	0.0003	0.0004	0.0000	0.0329
25 mph	-	-	-	-	0.0010	0.0003	0.0009	0.0000	0.0021
35 mph	0.0276	0.0030	0.0109	0.0030	-	-	-	-	0.0445
total	0.0469	0.0050	0.0185	0.0054	0.0042	0.0012	0.0022	0.0000	0.0834

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0023	0.0006	0.0009	0.0000	0.0038
10 mph	0.0019	0.0002	0.0008	0.0063	0.0025	0.0007	0.0009	0.0000	0.0132
15 mph	0.0184	0.0020	0.0073	0.0045	0.0019	0.0005	0.0006	0.0000	0.0352
20 mph	0.0004	0.0000	0.0002	0.0025	0.0010	0.0003	0.0009	0.0000	0.0053
25 mph	0.0051	0.0006	0.0020	0.0079	0.0039	0.0011	0.0028	0.0000	0.0234
30 mph	0.0027	0.0003	0.0011	0.0073	0.0029	0.0008	0.0019	0.0000	0.0170
35 mph	0.0249	0.0027	0.0098	0.0095	0.0029	0.0008	0.0012	0.0000	0.0519
40 mph	(0.0055)	(0.0006)	(0.0022)	0.0035	0.0019	0.0005	0.0010	0.0000	(0.0014)
45 mph	(0.0040)	(0.0004)	(0.0016)	0.0026	0.0014	0.0004	0.0007	0.0000	(0.0009)
50 mph	(0.0045)	(0.0005)	(0.0018)	0.0027	0.0015	0.0004	0.0006	0.0000	(0.0015)
55 mph	(0.0023)	(0.0002)	(0.0009)	0.0018	0.0009	0.0002	0.0002	0.0000	(0.0003)
60 mph	(0.0003)	(0.0000)	(0.0001)	0.0022	0.0010	0.0003	0.0090	0.0001	0.0120
65 mph	(0.0005)	(0.0001)	(0.0002)	0.0005	0.0002	0.0001	-	-	0.0000
70 mph	(0.0368)	(0.0040)	(0.0143)	0.0126	0.0079	0.0021	-	-	(0.0326)
total	(0.0005)	(0.0001)	0.0000	0.0639	0.0321	0.0088	0.0205	0.0002	0.1251

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0002	0.0000	0.0000	0.0002	0.0090	0.0073	0.0511	0.0561	0.1239
15 mph	0.0001	0.0000	0.0000	0.0001	0.0027	0.0023	0.0120	0.0163	0.0334
20 mph	0.0001	0.0000	0.0000	0.0001	0.0044	0.0037	0.0172	0.0340	0.0594
25 mph	0.0003	0.0000	0.0001	0.0004	0.0181	0.0153	0.0791	0.1377	0.2510
30 mph	0.0003	0.0000	0.0001	0.0004	0.0173	0.0146	0.0655	0.1185	0.2168
35 mph	0.0002	0.0000	0.0001	0.0003	0.0129	0.0108	0.0284	0.0538	0.1064
40 mph	0.0001	0.0000	0.0000	0.0001	0.0040	0.0033	0.0325	0.0655	0.1055
45 mph	0.0001	0.0000	0.0000	0.0001	0.0031	0.0026	0.0282	0.0606	0.0947
50 mph	0.0000	0.0000	0.0000	0.0001	0.0031	0.0025	0.0529	0.1186	0.1773
55 mph	0.0000	0.0000	0.0000	0.0001	0.0024	0.0020	0.0143	0.0328	0.0517
60 mph	0.0001	0.0000	0.0000	0.0001	0.0050	0.0041	0.0163	0.0395	0.0651
65 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0006	-	-	0.0013
70 mph	-	-	-	-	-	-	-	-	-
total	0.0014	0.0001	0.0003	0.0020	0.0827	0.0690	0.3976	0.7335	1.2865

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0038	0.0031	-	-	0.0068
15 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0028	0.0024	-	-	0.0051
20 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0023	0.0019	0.0402	0.0796	0.1240
25 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0038	0.0032	0.0590	0.1026	0.1685
30 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0066	0.0056	0.0921	0.1666	0.2707
35 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0135	0.0113	0.0888	0.1680	0.2813
40 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0139	0.0116	0.0838	0.1689	0.2780
45 mph	(0.0003)	(0.0000)	(0.0001)	0.0001	0.0105	0.0087	0.0661	0.1420	0.2273
50 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0116	0.0095	0.0381	0.0855	0.1446
55 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0064	0.0052	0.0224	0.0512	0.0851
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0040	0.0032	1.7773	4.3168	6.1012
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0015	0.0012	-	-	0.0027
70 mph	(0.0016)	(0.0001)	(0.0004)	0.0009	0.1030	0.0701	-	-	0.1719
total	(0.0036)	(0.0003)	(0.0009)	0.0020	0.1839	0.1371	2.2678	5.2812	7.8673

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0362	0.0262	0.0106	0.0055	0.0785
15 mph	0.0007	0.0000	0.0001	0.0001	0.0056	0.0047	0.0236	0.0320	0.0669
25 mph	-	-	-	-	0.0072	0.0061	0.0618	0.1077	0.1828
35 mph	0.0013	0.0001	0.0003	0.0002	-	-	-	-	0.0020
total	0.0020	0.0001	0.0005	0.0003	0.0490	0.0370	0.0961	0.1452	0.3302

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0362	0.0262	0.0106	0.0055	0.0785
10 mph	0.0001	0.0000	0.0000	0.0002	0.0128	0.0103	0.0511	0.0561	0.1307
15 mph	0.0006	0.0000	0.0001	0.0002	0.0112	0.0094	0.0356	0.0483	0.1054
20 mph	0.0000	0.0000	0.0000	0.0001	0.0067	0.0056	0.0574	0.1136	0.1834
25 mph	0.0002	0.0000	0.0000	0.0005	0.0291	0.0246	0.1999	0.3480	0.6024
30 mph	0.0001	0.0000	0.0000	0.0005	0.0239	0.0202	0.1576	0.2852	0.4875
35 mph	0.0012	0.0001	0.0003	0.0007	0.0264	0.0221	0.1172	0.2217	0.3897
40 mph	(0.0003)	(0.0000)	(0.0001)	0.0003	0.0179	0.0149	0.1164	0.2344	0.3836
45 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0137	0.0113	0.0944	0.2027	0.3220
50 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0147	0.0121	0.0910	0.2041	0.3219
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0089	0.0072	0.0367	0.0840	0.1368
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0002	0.0090	0.0073	1.7936	4.3562	6.1662
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0022	0.0017	-	-	0.0040
70 mph	(0.0016)	(0.0001)	(0.0004)	0.0009	0.1030	0.0701	-	-	0.1719
total	(0.0002)	(0.0001)	(0.0001)	0.0043	0.3156	0.2431	2.7615	6.1599	9.4841

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0009	0.0009
15 mph								0.0002	0.0002
20 mph								0.0004	0.0004
25 mph								0.0020	0.0020
30 mph								0.0017	0.0017
35 mph								0.0007	0.0007
40 mph								0.0008	0.0008
45 mph								0.0006	0.0006
50 mph								0.0011	0.0011
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0085	0.0085

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0010	0.0010
25 mph								0.0015	0.0015
30 mph								0.0024	0.0024
35 mph								0.0023	0.0023
40 mph								0.0021	0.0021
45 mph								0.0015	0.0015
50 mph								0.0008	0.0008
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0072	0.0072

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0008	0.0008
15 mph								0.0005	0.0005
25 mph								0.0016	0.0016
35 mph								-	-
total	-	-	-	-	-	-	-	0.0029	0.0029

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0008	0.0008
10 mph								0.0009	0.0009
15 mph								0.0007	0.0007
20 mph								0.0014	0.0014
25 mph								0.0051	0.0051
30 mph								0.0041	0.0041
35 mph								0.0030	0.0030
40 mph								0.0029	0.0029
45 mph								0.0021	0.0021
50 mph								0.0019	0.0019
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0229	0.0229

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0385	0.0269	0.0116	0.0063	0.0832
10 mph	0.0020	0.0002	0.0008	0.0065	0.0153	0.0110	0.0520	0.0570	0.1448
15 mph	0.0190	0.0020	0.0074	0.0047	0.0131	0.0099	0.0362	0.0490	0.1414
20 mph	0.0004	0.0000	0.0002	0.0026	0.0077	0.0059	0.0583	0.1150	0.1901
25 mph	0.0053	0.0006	0.0021	0.0084	0.0330	0.0257	0.2027	0.3531	0.6309
30 mph	0.0028	0.0003	0.0011	0.0079	0.0268	0.0210	0.1594	0.2893	0.5086
35 mph	0.0261	0.0028	0.0101	0.0103	0.0293	0.0229	0.1184	0.2248	0.4446
40 mph	(0.0058)	(0.0006)	(0.0022)	0.0038	0.0198	0.0154	0.1174	0.2373	0.3851
45 mph	(0.0042)	(0.0004)	(0.0016)	0.0028	0.0151	0.0117	0.0951	0.2048	0.3232
50 mph	(0.0047)	(0.0005)	(0.0018)	0.0030	0.0162	0.0125	0.0916	0.2060	0.3222
55 mph	(0.0024)	(0.0003)	(0.0009)	0.0019	0.0098	0.0074	0.0369	0.0840	0.1365
60 mph	(0.0004)	(0.0000)	(0.0001)	0.0023	0.0100	0.0075	1.8026	4.3563	6.1782
65 mph	(0.0005)	(0.0001)	(0.0002)	0.0005	0.0025	0.0018	-	-	0.0040
70 mph	(0.0384)	(0.0041)	(0.0147)	0.0135	0.1109	0.0722	-	-	0.1394
STREX	0.0029	0.0003	0.0011	0.0045	0.0003	0.0001	0.0002	0.0000	0.0094
total	0.0023	0.0002	0.0011	0.0727	0.3481	0.2520	2.7822	6.1830	**9.6415**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0016	0.0022	0.0016	0.0017	0.0004	0.0003	0.0004	0.0009
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0029	0.0003	0.0011	0.0045	0.0003	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0029	0.0003	0.0011	0.0045	0.0003	0.0001	0.0002	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3689	0.0279	0.1380	0.3148	0.2623	0.0932	0.2146	0.0008
Diesel	0.0036	0.0000	0.0010	0.0077	0.2034	0.1667	1.0625	1.1972
Electric/NG	0.0097	0.0003	0.0021	0.0043	-	-	-	0.0657
Total	0.3822	0.0282	0.1411	0.3267	0.4657	0.2600	1.2771	1.2636

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	(1.1910)	(0.0900)	(0.4455)	0.3871	0.5513	0.1959	1.0053	0.0036
Diesel	(0.0116)	(0.0000)	(0.0032)	0.0094	0.4274	0.3504	4.9779	5.6088
Electric/NG	(0.0314)	(0.0011)	(0.0068)	0.0052	-	-	-	0.3077
Total	(1.2340)	(0.0910)	(0.4556)	0.4017	0.9787	0.5463	5.9832	5.9202

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.5191	0.0392	0.1942	0.0537	0.0319	0.0113	0.0454	0.0002
Diesel	0.0051	0.0000	0.0014	0.0013	0.0247	0.0203	0.2246	0.2530
Electric/NG	0.0137	0.0005	0.0030	0.0007	-	-	-	0.0139
Total	0.5379	0.0397	0.1986	0.0558	0.0566	0.0316	0.2699	0.2671

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	(0.3029)	(0.0229)	(0.1133)	0.7557	0.8455	0.3005	1.2652	0.0046	2.7323
Diesel	(0.0030)	(0.0000)	(0.0008)	0.0184	0.6555	0.5374	6.2650	7.0591	14.5316
Electric/NG	(0.0080)	(0.0003)	(0.0017)	0.0102	-	-	-	0.3873	0.3875
Total	(0.3139)	(0.0232)	(0.1159)	0.7842	1.5011	0.8379	7.5302	7.4509	**17.6514**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	6.3847
Internal	10.4984
Total	**16.8831**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0296	0.0207	0.0089	0.0049	0.0641
10 mph	0.0013	0.0001	0.0005	0.0042	0.0118	0.0085	0.0401	0.0439	0.1103
15 mph	0.0122	0.0013	0.0048	0.0030	0.0101	0.0076	0.0278	0.0377	0.1045
20 mph	0.0003	0.0000	0.0001	0.0017	0.0059	0.0045	0.0449	0.0885	0.1459
25 mph	0.0034	0.0004	0.0013	0.0054	0.0254	0.0198	0.1561	0.2719	0.4837
30 mph	0.0018	0.0002	0.0007	0.0050	0.0207	0.0162	0.1228	0.2227	0.3901
35 mph	0.0167	0.0018	0.0065	0.0066	0.0226	0.0176	0.0912	0.1731	0.3360
40 mph	(0.0037)	(0.0004)	(0.0014)	0.0025	0.0152	0.0119	0.0904	0.1827	0.2971
45 mph	(0.0027)	(0.0003)	(0.0010)	0.0018	0.0116	0.0090	0.0732	0.1577	0.2493
50 mph	(0.0030)	(0.0003)	(0.0012)	0.0019	0.0125	0.0096	0.0705	0.1586	0.2486
55 mph	(0.0015)	(0.0002)	(0.0006)	0.0012	0.0075	0.0057	0.0284	0.0647	0.1053
60 mph	(0.0002)	(0.0000)	(0.0001)	0.0015	0.0077	0.0058	1.3880	3.3544	4.7570
65 mph	(0.0003)	(0.0000)	(0.0001)	0.0003	0.0019	0.0014	-	-	0.0031
70 mph	(0.0246)	(0.0026)	(0.0094)	0.0086	0.0854	0.0556	-	-	0.1130
total	(0.0004)	(0.0001)	(0.0000)	0.0437	0.2678	0.1940	2.1422	4.7609	7.4079

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2024 (Net) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	1,300	2.40	0.32	0.0005	0.6	0.0019	2.5
2	L	1,828	2.40	0.32	0.0005	0.9	0.0019	3.5
3	L	1,733	2.40	0.32	0.0005	0.8	0.0019	3.3
5	L	2,803	2.40	0.32	0.0005	1.3	0.0019	5.3
6	L	5,619	2.40	0.32	0.0005	2.6	0.0019	10.7
8	L	4,188	2.40	0.32	0.0005	2.0	0.0019	8.0
11	L	(844)	2.40	0.32	0.0005	-0.4	0.0019	-1.6
12	L	(1,286)	2.40	0.32	0.0005	-0.6	0.0019	-2.5
14	L	(689)	2.40	0.32	0.0005	-0.3	0.0019	-1.3
18	L	728	2.40	0.32	0.0005	0.3	0.0019	1.4
19	L	3,469	2.40	0.32	0.0005	1.6	0.0019	6.6
21	L	1,782	2.40	0.32	0.0005	0.8	0.0019	3.4
24	L	4,009	2.40	0.32	0.0005	1.9	0.0019	7.6
30	L	(3,937)	2.40	0.32	0.0005	-1.8	0.0019	-7.5
29	L	1,885	2.40	0.32	0.0005	0.9	0.0019	3.6
31	L	(136)	2.40	0.32	0.0005	-0.1	0.0019	-0.3
TOTAL						10.5		42.8

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2024 (Net) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	57,576	2.40	0.032	0.0001	3.31	0.0002	13.49
Freeway	F	106,418	2.40	0.015	0.0000	3.07	0.0001	12.52
TOTAL		163,994				6.38		26.01

World Logistics Center
Mobile Emissions - 2024 (Net) - Unmitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0063	0.0117	0.0093	0.0112	0.0150	0.0168	0.0282	0.2135
15 mph	0.0055	0.0101	0.0081	0.0097	0.0133	0.0148	0.0248	0.1892
20 mph	0.0050	0.0090	0.0072	0.0087	0.0121	0.0134	0.0225	0.1717
25 mph	0.0045	0.0081	0.0066	0.0079	0.0112	0.0123	0.0203	0.1586
30 mph	0.0042	0.0075	0.0061	0.0073	0.0105	0.0114	0.0185	0.1490
35 mph	0.0040	0.0071	0.0057	0.0069	0.0101	0.0108	0.0173	0.1423
40 mph	0.0038	0.0068	0.0054	0.0066	0.0097	0.0104	0.0166	0.1371
45 mph	0.0037	0.0066	0.0053	0.0064	0.0095	0.0101	0.0159	0.1342
50 mph	0.0036	0.0066	0.0052	0.0064	0.0096	0.0100	0.0159	0.1335
55 mph	0.0037	0.0068	0.0053	0.0065	0.0097	0.0101	0.0160	0.1359
60 mph	0.0038	0.0072	0.0056	0.0068	0.0101	0.0105	0.0168	0.1400
65 mph	0.0040	0.0077	0.0059	0.0072	0.0107	0.0110	0.0177	0.1457
70 mph	0.0042	0.0088	0.0061	0.0077	0.0119	0.0112	0.0185	0.1552

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0632	0.1371	0.0854	0.1064	0.1515	0.1695	0.2978	0.5019
15 mph	0.0520	0.1140	0.0708	0.0901	0.0986	0.1124	0.2351	0.3649
20 mph	0.0426	0.0936	0.0582	0.0749	0.0841	0.0960	0.2005	0.3001
25 mph	0.0357	0.0782	0.0488	0.0634	0.0746	0.0855	0.1754	0.2579
30 mph	0.0310	0.0673	0.0422	0.0549	0.0678	0.0772	0.1546	0.2266
35 mph	0.0280	0.0604	0.0381	0.0500	0.0680	0.0774	0.1386	0.2080
40 mph	0.0262	0.0563	0.0355	0.0468	0.0662	0.0747	0.1274	0.1897
45 mph	0.0253	0.0543	0.0343	0.0450	0.0646	0.0718	0.1208	0.1791
50 mph	0.0254	0.0544	0.0343	0.0453	0.0678	0.0745	0.1190	0.1729
55 mph	0.0266	0.0568	0.0359	0.0478	0.0708	0.0771	0.1220	0.1781
60 mph	0.0288	0.0616	0.0388	0.0517	0.0715	0.0773	0.1297	0.1879
65 mph	0.0324	0.0686	0.0436	0.0582	0.0726	0.0778	0.1420	0.2029
70 mph	0.0353	0.0716	0.0466	0.0637	0.0744	0.0796	0.1431	0.2051

*US EPA Emission Factors for Greenhouse Gas Inventories. (Idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.9632
15 mph								0.8083
20 mph								0.7051
25 mph								0.6491
30 mph								0.6132
35 mph								0.5847
40 mph								0.5615
45 mph								0.5420
50 mph								0.5254
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0066	0.0009	0.0036	0.0099	0.0057	0.0020	0.0062	0.0003	0.0351
15 mph	0.0023	0.0003	0.0013	0.0035	0.0020	0.0007	0.0018	0.0001	0.0119
20 mph	0.0041	0.0006	0.0023	0.0062	0.0037	0.0012	0.0033	0.0002	0.0215
25 mph	0.0188	0.0025	0.0102	0.0280	0.0169	0.0057	0.0162	0.0009	0.0993
30 mph	0.0192	0.0026	0.0104	0.0286	0.0175	0.0058	0.0135	0.0007	0.0983
35 mph	0.0148	0.0020	0.0080	0.0220	0.0137	0.0045	0.0057	0.0003	0.0710
40 mph	0.0047	0.0006	0.0025	0.0070	0.0044	0.0014	0.0061	0.0003	0.0272
45 mph	0.0038	0.0005	0.0021	0.0057	0.0036	0.0012	0.0046	0.0003	0.0217
50 mph	0.0038	0.0005	0.0020	0.0057	0.0036	0.0012	0.0075	0.0004	0.0247
55 mph	0.0030	0.0004	0.0017	0.0046	0.0029	0.0009	0.0017	0.0001	0.0155
60 mph	0.0064	0.0009	0.0035	0.0097	0.0061	0.0020	0.0018	0.0001	0.0304
65 mph	0.0008	0.0001	0.0005	0.0013	0.0008	0.0003	-	-	0.0037
70 mph	-	-	-	-	-	-	-	-	-
total	0.0884	0.0120	0.0479	0.1322	0.0808	0.0268	0.0685	0.0037	0.4604

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0042)	(0.0006)	(0.0023)	0.0024	0.0024	0.0008	-	-	(0.0015)
15 mph	(0.0037)	(0.0005)	(0.0020)	0.0021	0.0021	0.0007	-	-	(0.0013)
20 mph	(0.0033)	(0.0005)	(0.0018)	0.0019	0.0019	0.0007	0.0077	0.0004	0.0069
25 mph	(0.0061)	(0.0008)	(0.0033)	0.0034	0.0035	0.0012	0.0121	0.0006	0.0107
30 mph	(0.0113)	(0.0015)	(0.0061)	0.0064	0.0067	0.0022	0.0190	0.0010	0.0164
35 mph	(0.0239)	(0.0032)	(0.0129)	0.0135	0.0144	0.0047	0.0177	0.0010	0.0114
40 mph	(0.0254)	(0.0034)	(0.0137)	0.0144	0.0155	0.0051	0.0156	0.0009	0.0089
45 mph	(0.0197)	(0.0027)	(0.0106)	0.0112	0.0121	0.0039	0.0109	0.0006	0.0058
50 mph	(0.0219)	(0.0030)	(0.0118)	0.0125	0.0136	0.0044	0.0054	0.0003	(0.0004)
55 mph	(0.0123)	(0.0017)	(0.0067)	0.0071	0.0077	0.0025	0.0027	0.0002	(0.0005)
60 mph	(0.0077)	(0.0011)	(0.0042)	0.0045	0.0048	0.0015	0.2005	0.0113	0.2096
65 mph	(0.0027)	(0.0004)	(0.0015)	0.0016	0.0017	0.0005	-	-	(0.0007)
70 mph	(0.1285)	(0.0205)	(0.0710)	0.0772	0.0865	0.0251	-	-	(0.0312)
total	(0.2706)	(0.0400)	(0.1479)	0.1583	0.1729	0.0534	0.2916	0.0163	0.2340

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0008	0.0003	0.0004	0.0000	0.0015
15 mph	0.0306	0.0042	0.0167	0.0060	0.0042	0.0014	0.0036	0.0002	0.0669
25 mph	-	-	-	-	0.0067	0.0023	0.0127	0.0007	0.0223
35 mph	0.0940	0.0127	0.0506	0.0167	-	-	-	-	0.1739
total	0.1246	0.0169	0.0673	0.0226	0.0117	0.0040	0.0167	0.0009	0.2646

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0008	0.0003	0.0004	0.0000	0.0015
10 mph	0.0023	0.0003	0.0013	0.0123	0.0080	0.0028	0.0062	0.0003	0.0336
15 mph	0.0292	0.0040	0.0160	0.0115	0.0083	0.0028	0.0054	0.0003	0.0775
20 mph	0.0008	0.0001	0.0004	0.0081	0.0056	0.0019	0.0109	0.0006	0.0284
25 mph	0.0128	0.0017	0.0069	0.0315	0.0271	0.0091	0.0411	0.0022	0.1324
30 mph	0.0079	0.0011	0.0043	0.0350	0.0241	0.0081	0.0325	0.0018	0.1147
35 mph	0.0849	0.0114	0.0457	0.0522	0.0281	0.0093	0.0234	0.0013	0.2563
40 mph	(0.0207)	(0.0028)	(0.0111)	0.0214	0.0199	0.0065	0.0216	0.0012	0.0361
45 mph	(0.0158)	(0.0022)	(0.0085)	0.0169	0.0157	0.0051	0.0155	0.0009	0.0275
50 mph	(0.0181)	(0.0025)	(0.0098)	0.0182	0.0172	0.0055	0.0130	0.0007	0.0243
55 mph	(0.0093)	(0.0013)	(0.0050)	0.0117	0.0107	0.0034	0.0045	0.0003	0.0149
60 mph	(0.0013)	(0.0002)	(0.0007)	0.0142	0.0109	0.0035	0.2023	0.0114	0.2401
65 mph	(0.0018)	(0.0003)	(0.0010)	0.0029	0.0025	0.0008	-	-	0.0030
70 mph	(0.1285)	(0.0205)	(0.0710)	0.0772	0.0865	0.0251	-	-	(0.0312)
total	(0.0576)	(0.0111)	(0.0327)	0.3131	0.2655	0.0842	0.3768	0.0209	0.9590

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0002	0.0023	0.0431	0.0343	0.3225	1.0330	1.4361
15 mph	0.0002	0.0000	0.0001	0.0008	0.0112	0.0091	0.0849	0.2503	0.3566
20 mph	0.0003	0.0000	0.0001	0.0013	0.0191	0.0155	0.1448	0.4118	0.5930
25 mph	0.0015	0.0000	0.0006	0.0055	0.0849	0.0692	0.6965	1.9465	2.8046
30 mph	0.0014	0.0000	0.0005	0.0052	0.0849	0.0687	0.5582	1.5544	2.2734
35 mph	0.0010	0.0000	0.0004	0.0039	0.0696	0.0564	0.2252	0.6421	0.9986
40 mph	0.0003	0.0000	0.0001	0.0012	0.0226	0.0181	0.2299	0.6508	0.9231
45 mph	0.0003	0.0000	0.0001	0.0010	0.0184	0.0145	0.1745	0.4916	0.7003
50 mph	0.0003	0.0000	0.0001	0.0010	0.0193	0.0151	0.2793	0.7712	1.0862
55 mph	0.0002	0.0000	0.0001	0.0008	0.0161	0.0125	0.0661	0.1833	0.2790
60 mph	0.0005	0.0000	0.0002	0.0018	0.0325	0.0250	0.0702	0.1933	0.3235
65 mph	0.0001	0.0000	0.0000	0.0003	0.0041	0.0031	-	-	0.0076
70 mph	-	-	-	-	-	-	-	-	-
total	0.0066	0.0000	0.0025	0.0249	0.4259	0.3416	2.8522	8.1282	11.7820

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0004)	(0.0000)	(0.0002)	0.0006	0.0181	0.0144	-	-	0.0325
15 mph	(0.0003)	(0.0000)	(0.0001)	0.0005	0.0118	0.0096	-	-	0.0213
20 mph	(0.0003)	(0.0000)	(0.0001)	0.0004	0.0101	0.0082	0.3392	0.9645	1.3219
25 mph	(0.0005)	(0.0000)	(0.0002)	0.0007	0.0178	0.0145	0.5191	1.4508	2.0023
30 mph	(0.0008)	(0.0000)	(0.0003)	0.0012	0.0324	0.0263	0.7846	2.1847	3.0280
35 mph	(0.0017)	(0.0000)	(0.0006)	0.0024	0.0732	0.0592	0.7035	2.0054	2.8413
40 mph	(0.0017)	(0.0000)	(0.0006)	0.0025	0.0792	0.0635	0.5925	1.6769	2.4121
45 mph	(0.0013)	(0.0000)	(0.0005)	0.0019	0.0618	0.0488	0.4087	1.1515	1.6709
50 mph	(0.0015)	(0.0000)	(0.0006)	0.0022	0.0730	0.0570	0.2013	0.5559	0.8873
55 mph	(0.0009)	(0.0000)	(0.0003)	0.0013	0.0423	0.0328	0.1032	0.2862	0.4645
60 mph	(0.0006)	(0.0000)	(0.0002)	0.0008	0.0256	0.0197	7.6770	21.1340	28.8564
65 mph	(0.0002)	(0.0000)	(0.0001)	0.0003	0.0087	0.0066	-	-	0.0153
70 mph	(0.0107)	(0.0001)	(0.0039)	0.0155	0.4089	0.3111	-	-	0.7209
total	(0.0208)	(0.0001)	(0.0077)	0.0301	0.8628	0.6717	11.3290	31.4099	44.2748

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0002	0.0002	0.0007	0.0013	0.0024
15 mph	0.0028	0.0000	0.0011	0.0013	0.0235	0.0190	0.1669	0.4920	0.7067
25 mph	-	-	-	-	0.0338	0.0275	0.5446	1.5222	2.1281
35 mph	0.0065	0.0000	0.0025	0.0029	-	-	-	-	0.0119
total	0.0093	0.0001	0.0035	0.0043	0.0575	0.0467	0.7122	2.0155	2.8491

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0002	0.0002	0.0007	0.0013	0.0024
10 mph	0.0002	0.0000	0.0001	0.0029	0.0612	0.0487	0.3225	1.0330	1.4686
15 mph	0.0027	0.0000	0.0010	0.0026	0.0465	0.0377	0.2518	0.7424	1.0846
20 mph	0.0001	0.0000	0.0000	0.0017	0.0292	0.0237	0.4840	1.3763	1.9149
25 mph	0.0010	0.0000	0.0004	0.0061	0.1365	0.1113	1.7602	4.9195	6.9350
30 mph	0.0006	0.0000	0.0002	0.0064	0.1173	0.0950	1.3428	3.7391	5.3014
35 mph	0.0059	0.0000	0.0022	0.0092	0.1428	0.1156	0.9287	2.6474	3.8518
40 mph	(0.0014)	(0.0000)	(0.0005)	0.0037	0.1018	0.0816	0.8224	2.3277	3.3353
45 mph	(0.0011)	(0.0000)	(0.0004)	0.0029	0.0802	0.0634	0.5831	1.6431	2.3711
50 mph	(0.0012)	(0.0000)	(0.0005)	0.0031	0.0923	0.0721	0.4807	1.3270	1.9735
55 mph	(0.0007)	(0.0000)	(0.0002)	0.0021	0.0584	0.0452	0.1693	0.4694	0.7436
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0026	0.0581	0.0447	7.7472	21.3274	29.1799
65 mph	(0.0001)	(0.0000)	(0.0001)	0.0006	0.0128	0.0098	-	-	0.0229
70 mph	(0.0107)	(0.0001)	(0.0039)	0.0155	0.4089	0.3111	-	-	0.7209
total	(0.0049)	(0.0000)	(0.0017)	0.0594	1.3462	1.0600	14.8934	41.5537	58.9059

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1070	0.1070
15 mph								0.0299	0.0299
20 mph								0.0522	0.0522
25 mph								0.2645	0.2645
30 mph								0.2272	0.2272
35 mph								0.0975	0.0975
40 mph								0.1040	0.1040
45 mph								0.0803	0.0803
50 mph								0.1265	0.1265
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.0892	1.0892

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.1224	0.1224
25 mph								0.1972	0.1972
30 mph								0.3193	0.3193
35 mph								0.3045	0.3045
40 mph								0.2680	0.2680
45 mph								0.1881	0.1881
50 mph								0.0912	0.0912
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.9433	0.9433

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0002	0.0002
15 mph								0.0589	0.0589
25 mph								0.2068	0.2068
35 mph								-	-
total	-	-	-	-	-	-	-	0.2659	0.2659

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0002	0.0002
10 mph								0.1070	0.1070
15 mph								0.0888	0.0888
20 mph								0.1746	0.1746
25 mph								0.6685	0.6685
30 mph								0.5464	0.5464
35 mph								0.4019	0.4019
40 mph								0.3720	0.3720
45 mph								0.2684	0.2684
50 mph								0.2177	0.2177
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.8457	2.8457

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0011	0.0004	0.0011	0.0015	0.0041
10 mph	0.0026	0.0003	0.0014	0.0152	0.0693	0.0515	0.3287	1.1404	1.6092
15 mph	0.0319	0.0040	0.0170	0.0141	0.0548	0.0405	0.2571	0.8314	1.2509
20 mph	0.0009	0.0001	0.0005	0.0098	0.0348	0.0256	0.4949	1.5515	2.1180
25 mph	0.0137	0.0017	0.0073	0.0376	0.1636	0.1204	1.8013	5.5902	7.7359
30 mph	0.0085	0.0011	0.0045	0.0413	0.1415	0.1031	1.3754	4.2872	5.9626
35 mph	0.0908	0.0115	0.0479	0.0614	0.1709	0.1249	0.9521	3.0506	4.5100
40 mph	(0.0221)	(0.0028)	(0.0116)	0.0251	0.1216	0.0881	0.8441	2.7009	3.7433
45 mph	(0.0169)	(0.0022)	(0.0089)	0.0198	0.0959	0.0685	0.5986	1.9124	2.6671
50 mph	(0.0193)	(0.0025)	(0.0103)	0.0213	0.1095	0.0776	0.4936	1.5455	2.2155
55 mph	(0.0099)	(0.0013)	(0.0053)	0.0138	0.0691	0.0486	0.1737	0.4697	0.7585
60 mph	(0.0014)	(0.0002)	(0.0008)	0.0168	0.0691	0.0482	7.9495	21.3388	29.4200
65 mph	(0.0020)	(0.0003)	(0.0011)	0.0034	0.0153	0.0106	-	-	0.0259
70 mph	(0.1391)	(0.0206)	(0.0749)	0.0927	0.4954	0.3362	-	-	0.6896
STREX	0.0432	0.0036	0.0199	0.0822	0.0362	0.0111	0.0134	0.0000	0.2096
total	(0.0193)	(0.0075)	(0.0145)	0.4547	1.6479	1.1552	15.2835	44.4202	**62.9202**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0237	0.0266	0.0292	0.0318	0.0394	0.0393	0.0290	0.0116
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0432	0.0036	0.0199	0.0822	0.0362	0.0111	0.0134	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0432	0.0036	0.0199	0.0822	0.0362	0.0111	0.0134	0.0000

World Logistics Center
Mobile Emissions - 2024 (Net) - Unmitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					2.2387	2.2538	3.3488	2.9999
10 mph	0.0090	0.0210	0.0145	0.0184	0.0201	0.0161	0.0389	0.3834
15 mph	0.0061	0.0143	0.0098	0.0124	0.0137	0.0108	0.0259	0.2553
20 mph	0.0043	0.0103	0.0069	0.0089	0.0100	0.0077	0.0184	0.1810
25 mph	0.0031	0.0077	0.0051	0.0066	0.0075	0.0058	0.0134	0.1361
30 mph	0.0024	0.0061	0.0040	0.0051	0.0060	0.0045	0.0103	0.1077
35 mph	0.0020	0.0050	0.0033	0.0042	0.0050	0.0037	0.0083	0.0902
40 mph	0.0017	0.0044	0.0029	0.0037	0.0045	0.0033	0.0073	0.0791
45 mph	0.0016	0.0040	0.0026	0.0034	0.0042	0.0030	0.0066	0.0734
50 mph	0.0015	0.0039	0.0025	0.0033	0.0041	0.0029	0.0065	0.0713
55 mph	0.0016	0.0039	0.0026	0.0033	0.0042	0.0030	0.0066	0.0736
60 mph	0.0016	0.0041	0.0027	0.0035	0.0046	0.0032	0.0072	0.0781
65 mph	0.0018	0.0045	0.0029	0.0038	0.0052	0.0037		
70 mph	0.0019	0.0054	0.0031	0.0041	0.0054	0.0035		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0299	0.1110
10 mph	0.0055	0.0234	0.0090	0.0054	0.0251	0.0252	0.0129	0.0106
15 mph	0.0029	0.0161	0.0045	0.0027	0.0132	0.0132	0.0068	0.0070
20 mph	0.0013	0.0116	0.0018	0.0011	0.0063	0.0062	0.0034	0.0046
25 mph	0.0009	0.0091	0.0011	0.0007	0.0042	0.0041	0.0025	0.0031
30 mph	0.0007	0.0076	0.0008	0.0005	0.0034	0.0033	0.0021	0.0025
35 mph	0.0005	0.0067	0.0007	0.0004	0.0028	0.0027	0.0017	0.0020
40 mph	0.0005	0.0061	0.0006	0.0004	0.0025	0.0024	0.0014	0.0017
45 mph	0.0004	0.0058	0.0005	0.0003	0.0023	0.0022	0.0013	0.0014
50 mph	0.0004	0.0058	0.0004	0.0003	0.0022	0.0020	0.0012	0.0014
55 mph	0.0004	0.0061	0.0004	0.0003	0.0021	0.0020	0.0012	0.0014
60 mph	0.0004	0.0066	0.0004	0.0003	0.0022	0.0020	0.0013	0.0015
65 mph	0.0004	0.0077	0.0004	0.0003	0.0025	0.0023		
70 mph	0.0004	0.0091	0.0004	0.0003	0.0039	0.0032		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.9869
10 mph								12.4301
15 mph								8.3804
20 mph								5.8155
25 mph								4.2732
30 mph								3.1868
35 mph								2.3817
40 mph								1.7862
45 mph								1.3477
50 mph								1.0272
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0094	0.0016	0.0056	0.0163	0.0076	0.0019	0.0085	0.0006	0.0516
15 mph	0.0025	0.0004	0.0015	0.0044	0.0021	0.0005	0.0019	0.0001	0.0135
20 mph	0.0035	0.0006	0.0022	0.0063	0.0030	0.0007	0.0027	0.0002	0.0192
25 mph	0.0131	0.0024	0.0080	0.0233	0.0114	0.0027	0.0107	0.0007	0.0723
30 mph	0.0112	0.0021	0.0069	0.0200	0.0099	0.0023	0.0075	0.0005	0.0604
35 mph	0.0075	0.0014	0.0046	0.0134	0.0068	0.0015	0.0027	0.0002	0.0383
40 mph	0.0022	0.0004	0.0013	0.0039	0.0020	0.0005	0.0027	0.0002	0.0132
45 mph	0.0017	0.0003	0.0010	0.0030	0.0016	0.0003	0.0019	0.0001	0.0100
50 mph	0.0016	0.0003	0.0010	0.0029	0.0016	0.0003	0.0031	0.0002	0.0110
55 mph	0.0013	0.0002	0.0008	0.0023	0.0013	0.0003	0.0007	0.0001	0.0070
60 mph	0.0027	0.0005	0.0017	0.0050	0.0027	0.0006	0.0008	0.0001	0.0140
65 mph	0.0004	0.0001	0.0002	0.0007	0.0004	0.0001	-	-	0.0018
70 mph	-	-	-	-	-	-	-	-	-
total	0.0570	0.0105	0.0348	0.1016	0.0504	0.0117	0.0432	0.0030	0.3122

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0061)	(0.0011)	(0.0036)	0.0040	0.0032	0.0008	-	-	(0.0028)
15 mph	(0.0041)	(0.0007)	(0.0025)	0.0027	0.0022	0.0005	-	-	(0.0018)
20 mph	(0.0029)	(0.0005)	(0.0017)	0.0019	0.0016	0.0004	0.0063	0.0004	0.0055
25 mph	(0.0042)	(0.0008)	(0.0026)	0.0029	0.0024	0.0006	0.0080	0.0005	0.0068
30 mph	(0.0066)	(0.0012)	(0.0040)	0.0045	0.0038	0.0009	0.0105	0.0007	0.0086
35 mph	(0.0121)	(0.0023)	(0.0074)	0.0083	0.0072	0.0016	0.0085	0.0006	0.0045
40 mph	(0.0116)	(0.0022)	(0.0072)	0.0080	0.0071	0.0016	0.0069	0.0005	0.0030
45 mph	(0.0086)	(0.0016)	(0.0053)	0.0059	0.0053	0.0012	0.0045	0.0003	0.0018
50 mph	(0.0093)	(0.0018)	(0.0057)	0.0064	0.0059	0.0013	0.0022	0.0002	(0.0008)
55 mph	(0.0052)	(0.0010)	(0.0032)	0.0036	0.0034	0.0007	0.0011	0.0001	(0.0005)
60 mph	(0.0033)	(0.0006)	(0.0020)	0.0023	0.0022	0.0005	0.0859	0.0063	0.0912
65 mph	(0.0012)	(0.0002)	(0.0007)	0.0008	0.0008	0.0002	-	-	(0.0003)
70 mph	(0.0596)	(0.0125)	(0.0362)	0.0413	0.0397	0.0078	-	-	(0.0195)
total	(0.1347)	(0.0267)	(0.0822)	0.0926	0.0846	0.0179	0.1340	0.0097	0.0954

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1410	0.0436	0.0985	0.0009	0.2839
15 mph	0.0334	0.0059	0.0202	0.0076	0.0043	0.0011	0.0037	0.0002	0.0765
25 mph	-	-	-	-	0.0045	0.0011	0.0084	0.0006	0.0146
35 mph	0.0474	0.0090	0.0292	0.0102	-	-	-	-	0.0958
total	0.0808	0.0150	0.0493	0.0178	0.1498	0.0457	0.1106	0.0017	0.4707

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1410	0.0436	0.0985	0.0009	0.2839
10 mph	0.0033	0.0006	0.0020	0.0204	0.0108	0.0026	0.0085	0.0006	0.0488
15 mph	0.0319	0.0057	0.0192	0.0147	0.0086	0.0021	0.0056	0.0004	0.0881
20 mph	0.0007	0.0001	0.0004	0.0082	0.0046	0.0011	0.0089	0.0006	0.0247
25 mph	0.0089	0.0016	0.0054	0.0262	0.0183	0.0043	0.0271	0.0019	0.0936
30 mph	0.0046	0.0009	0.0028	0.0245	0.0137	0.0032	0.0180	0.0013	0.0690
35 mph	0.0428	0.0082	0.0263	0.0319	0.0140	0.0032	0.0113	0.0008	0.1385
40 mph	(0.0095)	(0.0018)	(0.0058)	0.0119	0.0091	0.0020	0.0095	0.0007	0.0162
45 mph	(0.0069)	(0.0013)	(0.0042)	0.0089	0.0069	0.0015	0.0065	0.0005	0.0117
50 mph	(0.0077)	(0.0015)	(0.0047)	0.0093	0.0074	0.0016	0.0053	0.0004	0.0101
55 mph	(0.0039)	(0.0007)	(0.0024)	0.0059	0.0046	0.0010	0.0018	0.0001	0.0065
60 mph	(0.0006)	(0.0001)	(0.0004)	0.0072	0.0049	0.0011	0.0867	0.0064	0.1052
65 mph	(0.0008)	(0.0002)	(0.0005)	0.0015	0.0012	0.0003	-	-	0.0015
70 mph	(0.0596)	(0.0125)	(0.0362)	0.0413	0.0397	0.0078	-	-	(0.0195)
total	0.0032	(0.0011)	0.0020	0.2120	0.2848	0.0753	0.2877	0.0144	0.8783

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0001	0.0071	0.0051	0.0140	0.0217	0.0481
15 mph	0.0000	0.0000	0.0000	0.0000	0.0015	0.0011	0.0024	0.0048	0.0098
20 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0010	0.0025	0.0063	0.0112
25 mph	0.0000	0.0000	0.0000	0.0001	0.0048	0.0033	0.0100	0.0238	0.0420
30 mph	0.0000	0.0000	0.0000	0.0001	0.0042	0.0029	0.0074	0.0172	0.0318
35 mph	0.0000	0.0000	0.0000	0.0000	0.0029	0.0020	0.0027	0.0061	0.0138
40 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0006	0.0026	0.0057	0.0097
45 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	0.0018	0.0040	0.0069
50 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	0.0028	0.0061	0.0100
55 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	0.0007	0.0014	0.0029
60 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0007	0.0016	0.0039
65 mph	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	-	-	0.0002
70 mph	-	-	-	-	-	-	-	-	-
total	0.0002	0.0000	0.0001	0.0003	0.0257	0.0179	0.0476	0.0987	0.1904

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0030	0.0021	-	-	0.0051
15 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0016	0.0011	-	-	0.0027
20 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0007	0.0005	0.0058	0.0147	0.0218
25 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0010	0.0007	0.0075	0.0177	0.0269
30 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0016	0.0011	0.0104	0.0242	0.0373
35 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0031	0.0021	0.0086	0.0192	0.0329
40 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0030	0.0020	0.0066	0.0147	0.0263
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0022	0.0015	0.0042	0.0093	0.0172
50 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0023	0.0016	0.0020	0.0044	0.0103
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0013	0.0008	0.0010	0.0022	0.0053
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0008	0.0005	0.0763	0.1696	0.2471
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0003	0.0002	-	-	0.0005
70 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0212	0.0127	-	-	0.0338
total	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0420	0.0269	0.1224	0.2760	0.4671

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0070	0.0050	0.0044	0.0307	0.0470
15 mph	0.0002	0.0000	0.0001	0.0000	0.0031	0.0022	0.0048	0.0094	0.0199
25 mph	-	-	-	-	0.0019	0.0013	0.0078	0.0186	0.0297
35 mph	0.0001	0.0000	0.0000	0.0000	-	-	-	-	0.0002
total	0.0003	0.0000	0.0001	0.0001	0.0120	0.0085	0.0170	0.0587	0.0967

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0070	0.0050	0.0044	0.0307	0.0470
10 mph	0.0000	0.0000	0.0000	0.0001	0.0101	0.0072	0.0140	0.0217	0.0532
15 mph	0.0001	0.0000	0.0001	0.0001	0.0062	0.0044	0.0072	0.0142	0.0324
20 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0015	0.0082	0.0210	0.0330
25 mph	0.0000	0.0000	0.0000	0.0001	0.0077	0.0053	0.0253	0.0601	0.0985
30 mph	0.0000	0.0000	0.0000	0.0001	0.0058	0.0040	0.0178	0.0415	0.0692
35 mph	0.0001	0.0000	0.0000	0.0001	0.0060	0.0041	0.0113	0.0253	0.0469
40 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0038	0.0026	0.0092	0.0203	0.0360
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0028	0.0019	0.0061	0.0133	0.0240
50 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0030	0.0020	0.0048	0.0105	0.0203
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0017	0.0012	0.0017	0.0036	0.0082
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0018	0.0012	0.0770	0.1711	0.2510
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0004	0.0003	-	-	0.0007
70 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0212	0.0127	-	-	0.0338
total	0.0001	(0.0000)	0.0001	0.0006	0.0798	0.0533	0.1870	0.4334	0.7543

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1.3815	1.3815
15 mph								0.3105	0.3105
20 mph								0.4309	0.4309
25 mph								1.7414	1.7414
30 mph								1.1806	1.1806
35 mph								0.3970	0.3970
40 mph								0.3309	0.3309
45 mph								0.1997	0.1997
50 mph								0.2474	0.2474
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	6.2198	6.2198

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1.0094	1.0094
25 mph								1.2979	1.2979
30 mph								1.6593	1.6593
35 mph								1.2401	1.2401
40 mph								0.8525	0.8525
45 mph								0.4678	0.4678
50 mph								0.1783	0.1783
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.2067	5.2067

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0297	0.0297
15 mph								0.6103	0.6103
25 mph								1.3617	1.3617
35 mph								-	-
total	-	-	-	-	-	-	-	2.0017	2.0017

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0297	0.0297
10 mph								1.3815	1.3815
15 mph								0.9207	0.9207
20 mph								1.4402	1.4402
25 mph								4.4010	4.4010
30 mph								2.8399	2.8399
35 mph								1.6371	1.6371
40 mph								1.1834	1.1834
45 mph								0.6675	0.6675
50 mph								0.4256	0.4256
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	14.9268	14.9268

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1480	0.0486	0.1028	0.0612	0.3606
10 mph	0.0034	0.0006	0.0020	0.0205	0.0209	0.0099	0.0225	1.4038	1.4835
15 mph	0.0320	0.0057	0.0193	0.0148	0.0148	0.0065	0.0128	0.9353	1.0413
20 mph	0.0007	0.0001	0.0004	0.0082	0.0068	0.0026	0.0172	1.4619	1.4979
25 mph	0.0089	0.0016	0.0054	0.0263	0.0260	0.0096	0.0524	4.4630	4.5932
30 mph	0.0046	0.0009	0.0028	0.0246	0.0195	0.0072	0.0358	2.8827	2.9781
35 mph	0.0429	0.0082	0.0264	0.0320	0.0200	0.0072	0.0226	1.6633	1.8226
40 mph	(0.0095)	(0.0018)	(0.0058)	0.0119	0.0130	0.0046	0.0188	1.2044	1.2356
45 mph	(0.0069)	(0.0013)	(0.0043)	0.0089	0.0097	0.0034	0.0125	0.6813	0.7033
50 mph	(0.0077)	(0.0015)	(0.0047)	0.0093	0.0104	0.0036	0.0101	0.4366	0.4561
55 mph	(0.0039)	(0.0007)	(0.0024)	0.0060	0.0064	0.0022	0.0035	0.0037	0.0146
60 mph	(0.0006)	(0.0001)	(0.0004)	0.0072	0.0067	0.0022	0.1636	0.1775	0.3562
65 mph	(0.0008)	(0.0002)	(0.0005)	0.0015	0.0017	0.0006	-	-	0.0022
70 mph	(0.0597)	(0.0125)	(0.0362)	0.0414	0.0609	0.0204	-	-	0.0142
STREX	0.0811	0.0086	0.0409	0.1854	0.0203	0.0063	0.0169	0.0000	0.3593
total	0.0843	0.0074	0.0429	0.3980	0.3849	0.1349	0.4916	15.3746	**16.9188**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0446	0.0624	0.0602	0.0718	0.0220	0.0221	0.0367	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0811	0.0086	0.0409	0.1854	0.0203	0.0063	0.0169	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0811	0.0086	0.0409	0.1854	0.0203	0.0063	0.0169	0.0000

World Logistics Center
Mobile Emissions - 2024 (Net) - Unmitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,504.74	5,255.68	13,398.44	22,993.87
10 mph	482.65	562.95	595.24	732.94	1,488.07	1,711.39	3,091.19	3,740.83
15 mph	394.57	460.02	486.31	598.25	1,215.42	1,397.03	2,528.08	3,067.95
20 mph	328.16	382.63	404.46	497.62	1,010.45	1,161.59	2,099.01	2,555.46
25 mph	280.62	327.33	346.00	426.10	863.80	992.99	1,796.12	2,186.52
30 mph	249.03	290.61	307.22	378.83	766.80	881.52	1,595.79	1,939.56
35 mph	230.93	269.62	285.04	352.13	711.22	817.73	1,480.22	1,795.82
40 mph	223.80	261.28	276.20	341.31	688.55	791.71	1,432.44	1,736.46
45 mph	224.96	262.48	277.46	342.71	691.06	794.61	1,438.38	1,738.16
50 mph	231.75	270.38	285.71	353.26	711.50	817.71	1,479.66	1,786.72
55 mph	240.79	280.90	296.91	367.36	740.77	851.30	1,538.17	1,857.85
60 mph	247.98	289.57	306.35	379.51	770.68	885.63	1,599.87	1,931.49
65 mph	254.03	297.23	314.54	390.44	794.22	912.23		
70 mph	256.81	302.08	317.24	400.14	806.88	922.99		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,683.84	5,925.67	6,167.05	5,675.17
10 mph	401.79	872.05	543.39	676.97	964.08	1,078.26	1,894.31	3,193.22
15 mph	330.56	725.38	450.73	573.33	627.06	715.09	1,495.83	2,321.23
20 mph	271.16	595.76	370.26	476.23	535.01	610.50	1,275.69	1,909.19
25 mph	227.35	497.75	310.50	403.49	474.68	544.25	1,115.70	1,640.97
30 mph	196.98	428.44	268.49	349.28	431.62	491.43	983.68	1,441.43
35 mph	178.14	384.23	242.26	317.85	432.64	492.53	881.97	1,323.11
40 mph	166.71	358.02	226.08	297.51	421.36	475.15	810.34	1,206.99
45 mph	161.05	345.57	218.00	286.22	411.19	456.94	768.52	1,139.63
50 mph	161.58	345.78	218.24	287.95	431.48	474.26	757.28	1,100.24
55 mph	169.03	361.39	228.12	303.89	450.53	490.50	776.23	1,132.94
60 mph	183.30	391.68	247.15	329.03	454.60	491.79	824.99	1,195.20
65 mph	206.16	436.63	277.55	370.56	462.05	494.77		
70 mph	224.60	455.71	296.25	405.47	473.10	506.11		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,852.64
10 mph								4,724.93
15 mph								3,964.95
20 mph								3,458.99
25 mph								3,184.08
30 mph								3,007.84
35 mph								2,868.36
40 mph								2,754.21
45 mph								2,658.56
50 mph								2,577.06
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	501.55	44.18	231.40	649.98	561.53	198.37	676.13	5.52	2,868.67
15 mph	164.01	14.44	75.62	212.21	183.46	64.77	184.32	1.51	900.34
20 mph	272.81	24.02	125.79	353.03	305.04	107.71	306.08	2.51	1,497.00
25 mph	1,166.43	102.76	538.03	1,511.46	1,303.84	460.39	1,440.50	11.83	6,535.24
30 mph	1,138.66	100.36	525.50	1,478.19	1,273.16	449.58	1,163.48	9.54	6,138.48
35 mph	863.92	76.18	398.91	1,124.17	966.17	341.22	485.65	3.97	4,260.21
40 mph	279.08	24.61	128.85	363.21	311.79	110.12	522.19	4.27	1,744.12
45 mph	233.77	20.60	107.86	303.92	260.78	92.10	419.49	3.42	1,441.94
50 mph	240.83	21.22	111.07	313.28	268.49	94.78	701.23	5.71	1,756.61
55 mph	200.17	17.64	92.34	260.62	223.63	78.94	168.22	1.37	1,042.93
60 mph	412.31	36.36	190.55	538.48	465.31	164.25	174.97	1.42	1,983.66
65 mph	52.80	4.67	24.46	69.25	59.94	21.15	-	-	232.26
70 mph	-	-	-	-	-	-	-	-	-
total	5,526.34	487.05	2,550.38	7,177.82	6,183.14	2,183.37	6,242.27	51.08	30,401.47

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(323.84)	(28.53)	(149.41)	159.85	236.01	83.37	-	-	(22.55)
15 mph	(264.74)	(23.31)	(122.07)	130.47	192.77	68.06	-	-	(18.82)
20 mph	(220.18)	(19.39)	(101.52)	108.53	160.26	56.59	716.98	5.89	707.15
25 mph	(376.57)	(33.18)	(173.70)	185.85	274.00	96.75	1,073.66	8.82	1,055.64
30 mph	(668.37)	(58.91)	(308.46)	330.48	486.46	171.78	1,635.28	13.41	1,601.66
35 mph	(1,394.53)	(122.97)	(643.91)	691.16	1,015.20	358.53	1,516.85	12.41	1,432.73
40 mph	(1,501.60)	(132.41)	(693.29)	744.36	1,092.05	385.69	1,345.56	11.00	1,251.37
45 mph	(1,207.50)	(106.41)	(557.15)	597.93	876.83	309.69	982.65	8.01	904.04
50 mph	(1,399.47)	(123.32)	(645.43)	693.39	1,015.61	358.52	505.43	4.12	408.85
55 mph	(807.79)	(71.18)	(372.64)	400.58	587.44	207.36	262.71	2.14	208.63
60 mph	(499.16)	(44.02)	(230.69)	248.30	366.69	129.44	19,127.00	155.77	19,253.33
65 mph	(170.45)	(15.06)	(78.95)	85.15	125.96	44.44	-	-	(8.91)
70 mph	(7,926.19)	(704.18)	(3,663.01)	4,014.29	5,886.75	2,068.40	-	-	(323.94)
total	(16,760.38)	(1,482.87)	(7,740.24)	8,390.33	12,316.03	4,338.62	27,166.12	221.57	26,449.18

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	283.71	101.67	393.92	6.64	785.95
15 mph	2,176.15	191.63	1,003.40	365.55	384.33	135.69	362.32	2.97	4,622.04
25 mph	-	-	-	-	518.75	183.17	1,126.46	9.25	1,837.64
35 mph	5,480.16	483.25	2,530.42	850.70	-	-	-	-	9,344.52
total	7,656.31	674.87	3,533.81	1,216.25	1,186.80	420.54	1,882.71	18.86	16,590.16

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	283.71	101.67	393.92	6.64	785.95
10 mph	177.71	15.66	81.99	809.83	797.54	281.74	676.13	5.52	2,846.12
15 mph	2,075.42	182.76	956.95	708.23	760.56	268.52	546.65	4.48	5,503.56
20 mph	52.63	4.63	24.27	461.56	465.30	164.30	1,023.06	8.40	2,204.15
25 mph	789.86	69.59	364.34	1,697.32	2,096.59	740.31	3,640.62	29.90	9,428.53
30 mph	470.30	41.45	217.04	1,808.67	1,759.62	621.36	2,798.76	22.95	7,740.15
35 mph	4,949.55	436.46	2,285.41	2,666.04	1,981.38	699.75	2,002.50	16.39	15,037.46
40 mph	(1,222.52)	(107.80)	(564.44)	1,107.58	1,403.84	495.81	1,867.76	15.27	2,995.50
45 mph	(973.73)	(85.81)	(449.29)	901.85	1,137.60	401.79	1,402.14	11.43	2,345.98
50 mph	(1,158.64)	(102.10)	(534.36)	1,006.66	1,284.10	453.30	1,206.66	9.83	2,165.46
55 mph	(607.62)	(53.54)	(280.30)	661.20	811.07	286.30	430.93	3.51	1,251.56
60 mph	(86.85)	(7.66)	(40.14)	786.78	832.01	293.68	19,301.97	157.20	21,236.98
65 mph	(117.65)	(10.40)	(54.50)	154.40	185.90	65.59	-	-	223.35
70 mph	(7,926.19)	(704.18)	(3,663.01)	4,014.29	5,886.75	2,068.40	-	-	(323.94)
total	(3,577.73)	(320.94)	(1,656.04)	16,784.40	19,685.97	6,942.53	35,291.10	291.51	73,440.80

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	4.08	0.03	1.54	14.59	274.18	218.07	2,051.74	6,572.06	9,136.30
15 mph	1.34	0.01	0.51	4.94	71.33	57.85	540.05	1,592.47	2,268.50
20 mph	2.20	0.02	0.84	8.21	121.72	98.78	921.14	2,619.58	3,772.49
25 mph	9.24	0.07	3.51	34.80	539.99	440.29	4,430.88	12,383.54	17,842.32
30 mph	8.81	0.06	3.34	33.13	540.10	437.32	3,551.43	9,888.80	14,462.99
35 mph	6.52	0.05	2.46	24.67	442.94	358.61	1,432.90	4,084.68	6,352.83
40 mph	2.03	0.01	0.77	7.70	143.80	115.32	1,462.81	4,140.23	5,872.67
45 mph	1.64	0.01	0.62	6.17	116.94	92.41	1,109.85	3,127.33	4,454.97
50 mph	1.64	0.01	0.62	6.21	122.71	95.92	1,777.14	4,906.26	6,910.51
55 mph	1.37	0.01	0.52	5.24	102.50	79.36	420.37	1,165.87	1,775.24
60 mph	2.98	0.02	1.12	11.35	206.86	159.14	446.78	1,229.93	2,058.18
65 mph	0.42	0.00	0.16	1.60	26.28	20.01	-	-	48.47
70 mph	-	-	-	-	-	-	-	-	-
total	42.29	0.31	15.98	158.61	2,709.37	2,173.08	18,145.08	51,710.76	74,955.47

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(2.64)	(0.02)	(0.99)	3.59	115.24	91.66	-	-	206.84
15 mph	(2.17)	(0.02)	(0.82)	3.04	74.95	60.78	-	-	135.77
20 mph	(1.78)	(0.01)	(0.68)	2.52	63.95	51.89	2,157.76	6,136.35	8,410.02
25 mph	(2.98)	(0.02)	(1.13)	4.28	113.48	92.53	3,302.51	9,229.96	12,738.62
30 mph	(5.17)	(0.04)	(1.96)	7.41	206.37	167.09	4,991.54	13,898.70	19,263.93
35 mph	(10.52)	(0.08)	(3.98)	15.17	465.42	376.80	4,475.41	12,757.82	18,076.05
40 mph	(10.94)	(0.08)	(4.12)	15.77	503.66	403.89	3,769.30	10,668.34	15,345.82
45 mph	(8.45)	(0.06)	(3.18)	12.14	393.20	310.73	2,599.82	7,325.78	10,629.97
50 mph	(9.54)	(0.07)	(3.58)	13.74	464.17	362.83	1,280.91	3,536.28	5,644.73
55 mph	(5.55)	(0.04)	(2.08)	8.06	269.26	208.47	656.48	1,820.70	2,955.30
60 mph	(3.61)	(0.03)	(1.35)	5.23	163.02	125.41	48,840.13	134,452.33	183,581.13
65 mph	(1.35)	(0.01)	(0.51)	1.96	55.23	42.06	-	-	97.38
70 mph	(67.80)	(0.46)	(24.86)	98.89	2,601.30	1,978.96	-	-	4,586.02
total	(132.51)	(0.93)	(49.25)	191.80	5,489.24	4,273.11	72,073.87	199,826.25	281,671.57

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	174.86	200.02	897.84	1,570.01	2,842.73
15 mph	17.83	0.13	6.76	8.52	149.44	121.19	1,061.58	3,130.35	4,495.79
25 mph	-	-	-	-	214.84	175.18	3,464.92	9,683.85	13,538.78
35 mph	41.35	0.30	15.63	18.67	-	-	-	-	75.94
total	59.18	0.43	22.39	27.18	539.14	496.39	5,424.34	14,384.20	20,953.25

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	174.86	200.02	897.84	1,570.01	2,842.73
10 mph	1.45	0.01	0.54	18.18	389.42	309.73	2,051.74	6,572.06	9,343.13
15 mph	17.01	0.12	6.45	16.50	295.72	239.82	1,601.63	4,722.81	6,900.07
20 mph	0.43	0.00	0.16	10.74	185.68	150.67	3,078.90	8,755.93	12,182.51
25 mph	6.26	0.05	2.38	39.07	868.31	707.99	11,198.31	31,297.35	44,119.72
30 mph	3.64	0.03	1.38	40.54	746.46	604.41	8,542.97	23,787.50	33,726.93
35 mph	37.34	0.27	14.12	58.50	908.37	735.41	5,908.31	16,842.50	24,504.82
40 mph	(8.91)	(0.06)	(3.36)	23.47	647.46	519.21	5,232.12	14,808.57	21,218.49
45 mph	(6.82)	(0.05)	(2.57)	18.31	510.14	403.14	3,709.67	10,453.11	15,084.94
50 mph	(7.90)	(0.06)	(2.97)	19.95	586.88	458.74	3,058.05	8,442.54	12,555.24
55 mph	(4.17)	(0.03)	(1.57)	13.30	371.76	287.83	1,076.85	2,986.57	4,730.54
60 mph	(0.63)	(0.00)	(0.24)	16.58	369.87	284.55	49,286.91	135,682.26	185,639.31
65 mph	(0.93)	(0.01)	(0.35)	3.56	81.51	62.07	-	-	145.85
70 mph	(67.80)	(0.46)	(24.86)	98.89	2,601.30	1,978.96	-	-	4,586.02
total	(31.04)	(0.19)	(10.88)	377.60	8,737.75	6,942.57	95,643.28	265,921.21	377,580.29

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								525.12	525.12
15 mph								146.89	146.89
20 mph								256.29	256.29
25 mph								1,297.54	1,297.54
30 mph								1,114.29	1,114.29
35 mph								478.18	478.18
40 mph								510.17	510.17
45 mph								393.96	393.96
50 mph								620.56	620.56
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5,342.99	5,342.99

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								600.35	600.35
25 mph								967.11	967.11
30 mph								1,566.14	1,566.14
35 mph								1,493.51	1,493.51
40 mph								1,314.57	
45 mph								922.85	
50 mph								447.28	
55 mph								-	
60 mph								-	
65 mph								-	
70 mph								-	
total	-	-	-	-	-	-	-	4,627.11	4,627.11

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								87.43	87.43
15 mph								288.74	288.74
25 mph								1,014.67	1,014.67
35 mph								-	-
total	-	-	-	-	-	-	-	1,390.84	1,390.84

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								87.43	87.43
10 mph								525.12	525.12
15 mph								435.62	435.62
20 mph								856.63	856.63
25 mph								3,279.32	3,279.32
30 mph								2,680.43	2,680.43
35 mph								1,971.69	1,971.69
40 mph								1,824.73	1,824.73
45 mph								1,316.81	1,316.81
50 mph								1,067.84	1,067.84
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	14,045.63	14,045.63

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	458.57	301.69	1,291.76	1,664.09	3,716.11
10 mph	179.16	15.67	82.54	828.01	1,186.96	591.47	2,727.87	7,102.70	12,714.38
15 mph	2,092.43	182.88	963.40	724.73	1,056.28	508.35	2,148.27	5,162.91	12,839.26
20 mph	53.05	4.64	24.43	472.30	650.97	314.97	4,101.96	9,620.96	15,243.29
25 mph	796.12	69.63	366.71	1,736.39	2,964.91	1,448.30	14,838.93	34,606.57	56,827.57
30 mph	473.93	41.48	218.42	1,849.21	2,506.09	1,225.77	11,341.73	26,490.87	44,147.50
35 mph	4,986.89	436.73	2,299.53	2,724.54	2,889.74	1,435.16	7,910.81	18,830.58	41,513.97
40 mph	(1,231.43)	(107.86)	(567.80)	1,131.05	2,051.30	1,015.02	7,099.87	16,648.58	26,038.72
45 mph	(980.55)	(85.86)	(451.86)	920.16	1,647.75	804.93	5,111.81	11,781.35	18,747.72
50 mph	(1,166.54)	(102.15)	(537.33)	1,026.61	1,870.98	912.05	4,264.71	9,520.20	15,788.53
55 mph	(611.79)	(53.57)	(281.86)	674.50	1,182.83	574.13	1,507.78	2,990.08	5,982.10
60 mph	(87.48)	(7.66)	(40.37)	803.36	1,201.88	578.23	68,588.88	135,839.46	206,876.30
65 mph	(118.58)	(10.40)	(54.85)	157.96	267.41	127.66	-	-	369.20
70 mph	(7,994.00)	(704.64)	(3,687.88)	4,113.18	8,488.05	4,047.36	-	-	4,262.08
STREX	94.05	8.34	44.37	208.59	17.04	5.95	17.17	0.15	395.66
total	(3,514.73)	(312.79)	(1,622.54)	17,370.59	28,440.75	13,891.05	130,951.55	280,258.50	**465,462.39**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	51.76	60.76	65.27	80.75	18.54	21.07	37.29	47.77
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	94.05	8.34	44.37	208.59	17.04	5.95	17.17	0.15
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	94.05	8.34	44.37	208.59	17.04	5.95	17.17	0.15

World Logistics Center
Mobile Emissions - 2025 Phase 1 (Net) - Unmitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
24.18	849.41	277.32	5.16	7.52	72.86	55.80	136.18	7.19	17.88	21.74	46.81	5.52	75.90	19.77	559,163.57

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
4.41	155.02	50.61	0.94	1.37	13.30	10.18	24.85	1.31	3.26	3.97	8.54	1.01	13.85	3.61	102,047.35

World Logistics Center
Mobile Emissions - 2025 Phase 1 (Net) - Unmitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	1,023.60	10.33	30.88	(26,087.90)	(263.24)	(787.01)
LDT1	77.44	0.03	1.09	(1,973.64)	(0.80)	(27.83)
LDT2	383.22	2.95	7.00	(9,766.84)	(75.15)	(178.36)
MDT	1,454.14	37.30	24.56	22,261.30	570.98	376.01
LHDT1	508.99	402.20	-	12,967.81	10,247.03	-
LHDT2	155.17	282.92	-	3,953.30	7,207.92	-
MHDT	253.10	1,296.81	-	11,391.79	58,368.11	-
HHDT	1.81	2,446.64	135.94	81.42	110,121.17	6,118.49

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	11,707.16	118.13	353.18	(37,795.06)	(381.37)	(1,140.18)
LDT1	885.69	0.36	12.49	(2,859.32)	(1.16)	(40.32)
LDT2	4,382.95	33.73	80.04	(14,149.80)	(108.88)	(258.40)
MDT	9,984.32	256.09	168.64	12,276.98	314.89	207.37
LHDT1	4,181.16	3,303.91	-	8,786.65	6,943.12	-
LHDT2	1,274.65	2,324.02	-	2,678.66	4,883.90	-
MHDT	2,003.83	10,267.04	-	9,387.96	48,101.07	-
HHDT	14.32	19,370.49	1,076.25	67.10	90,750.69	5,042.24

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	7%	0%	0%
15	1%	2%	0%	0%
20	6%	6%	1%	1%
25	25%	25%	2%	2%
30	24%	20%	3%	5%
35	14%	8%	4%	6%
40	6%	7%	6%	7%
45	4%	9%	13%	5%
50	4%	11%	11%	3%
55	7%	1%	8%	1%
60	5%	4%	4%	70%
65	0%	0%	2%	0%
70	0%	0%	47%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	526.82	39.86	197.23	449.29	188.15	57.36	140.27	1.00	1,599.99
15 mph	117.07	8.86	43.83	99.84	41.81	12.75	40.08	0.29	364.52
20 mph	702.43	53.14	262.98	599.06	250.87	76.48	120.23	0.86	2,066.05
25 mph	2,926.79	221.42	1,095.74	2,496.08	1,045.29	318.66	500.96	3.58	8,608.52
30 mph	2,809.72	212.56	1,051.91	2,396.24	1,003.48	305.92	400.77	2.86	8,183.46
35 mph	1,639.00	124.00	613.61	1,397.81	585.36	178.45	160.31	1.15	4,699.68
40 mph	702.43	53.14	262.98	599.06	250.87	76.48	140.27	1.00	2,086.23
45 mph	468.29	35.43	175.32	399.37	167.25	50.99	180.35	1.29	1,478.27
50 mph	468.29	35.43	175.32	399.37	167.25	50.99	220.42	1.58	1,518.63
55 mph	819.50	62.00	306.81	698.90	292.68	89.23	20.04	0.14	2,289.30
60 mph	526.82	39.86	197.23	449.29	188.15	57.36	80.15	0.57	1,539.44
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	11,707.16	885.69	4,382.95	9,984.32	4,181.16	1,274.65	2,003.83	14.32	34,434.09

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(377.95)	(28.59)	(141.50)	122.77	87.87	26.79	93.88	0.67	(216.07)
25 mph	(566.93)	(42.89)	(212.25)	184.15	131.80	40.18	187.76	1.34	(276.83)
30 mph	(944.88)	(71.48)	(353.74)	306.92	219.67	66.97	469.40	3.36	(303.79)
35 mph	(1,511.80)	(114.37)	(565.99)	491.08	351.47	107.15	563.28	4.03	(675.17)
40 mph	(2,267.70)	(171.56)	(848.99)	736.62	527.20	160.72	657.16	4.70	(1,201.86)
45 mph	(4,913.36)	(371.71)	(1,839.47)	1,596.01	1,142.26	348.23	469.40	3.36	(3,565.29)
50 mph	(4,157.46)	(314.53)	(1,556.48)	1,350.47	966.53	294.65	281.64	2.01	(3,133.16)
55 mph	(3,023.61)	(228.75)	(1,131.98)	982.16	702.93	214.29	93.88	0.67	(2,390.40)
60 mph	(1,511.80)	(114.37)	(565.99)	491.08	351.47	107.15	6,571.57	46.97	5,376.07
65 mph	(755.90)	(57.19)	(283.00)	245.54	175.73	53.57	-	-	(621.24)
70 mph	(17,763.68)	(1,343.88)	(6,650.40)	5,770.18	4,129.73	1,258.97	-	-	(14,599.09)
total	(37,795.06)	(2,859.32)	(14,149.80)	12,276.98	8,786.65	2,678.66	9,387.96	67.10	(21,606.84)

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	34.98	10.67	16.64	0.14	62.43
15 mph	3,124.07	236.35	1,169.60	345.51	175.59	53.53	79.29	0.57	5,184.50
25 mph	-	-	-	-	423.63	129.15	321.75	2.30	876.83
35 mph	9,195.59	695.68	3,442.66	994.06	-	-	-	-	14,327.99
total	12,319.66	932.02	4,612.26	1,339.57	599.22	182.68	401.04	2.87	20,389.31

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	34.98	10.67	16.64	0.14	62.43
10 mph	526.82	39.86	197.23	449.29	188.15	57.36	140.27	1.00	1,599.99
15 mph	3,241.14	245.20	1,213.43	445.35	217.40	66.27	119.37	0.85	5,549.02
20 mph	324.48	24.55	121.48	721.83	338.74	103.27	214.11	1.53	1,849.98
25 mph	2,359.86	178.53	883.49	2,680.24	1,600.72	487.99	1,010.46	7.22	9,208.52
30 mph	1,864.84	141.08	698.16	2,703.16	1,223.14	372.88	870.16	6.22	7,879.66
35 mph	9,322.79	705.30	3,490.29	2,882.94	936.83	285.60	723.58	5.17	18,352.50
40 mph	(1,565.27)	(118.42)	(586.01)	1,335.68	778.07	237.20	797.43	5.70	884.37
45 mph	(4,445.07)	(336.28)	(1,664.16)	1,995.38	1,309.51	399.21	649.74	4.64	(2,087.02)
50 mph	(3,689.17)	(279.10)	(1,381.16)	1,749.84	1,133.78	345.64	502.06	3.59	(1,614.52)
55 mph	(2,204.10)	(166.75)	(825.18)	1,681.06	995.61	303.52	113.92	0.81	(101.10)
60 mph	(984.98)	(74.52)	(368.76)	940.37	539.62	164.51	6,651.72	47.54	6,915.51
65 mph	(755.90)	(57.19)	(283.00)	245.54	175.73	53.57	-	-	(621.24)
70 mph	(17,763.68)	(1,343.88)	(6,650.40)	5,770.18	4,129.73	1,258.97	-	-	(14,599.09)
total	(13,768.24)	(1,041.61)	(5,154.58)	23,600.87	13,567.03	4,135.98	11,792.83	84.29	33,216.56

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	5.32	0.02	1.52	11.52	148.68	104.58	718.69	1,355.93	2,346.26
15 mph	1.18	0.00	0.34	2.56	33.04	23.24	205.34	387.41	653.11
20 mph	7.09	0.02	2.02	15.37	198.23	139.44	616.02	1,162.23	2,140.43
25 mph	29.53	0.09	8.43	64.02	825.98	581.01	2,566.76	4,842.62	8,918.44
30 mph	28.35	0.09	8.09	61.46	792.94	557.76	2,053.41	3,874.10	7,376.20
35 mph	16.54	0.05	4.72	35.85	462.55	325.36	821.36	1,549.64	3,216.08
40 mph	7.09	0.02	2.02	15.37	198.23	139.44	718.69	1,355.93	2,436.80
45 mph	4.73	0.01	1.35	10.24	132.16	92.96	924.03	1,743.34	2,908.83
50 mph	4.73	0.01	1.35	10.24	132.16	92.96	1,129.37	2,130.75	3,501.58
55 mph	8.27	0.03	2.36	17.93	231.27	162.68	102.67	193.70	718.91
60 mph	5.32	0.02	1.52	11.52	148.68	104.58	410.68	774.82	1,457.13
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	118.13	0.36	33.73	256.09	3,303.91	2,324.02	10,267.04	19,370.49	35,673.76

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(3.81)	(0.01)	(1.09)	3.15	69.43	48.84	481.01	907.51	1,505.02
25 mph	(5.72)	(0.02)	(1.63)	4.72	104.15	73.26	962.02	1,815.01	2,951.79
30 mph	(9.53)	(0.03)	(2.72)	7.87	173.58	122.10	2,405.05	4,537.53	7,233.85
35 mph	(15.25)	(0.05)	(4.36)	12.60	277.72	195.36	2,886.06	5,445.04	8,797.13
40 mph	(22.88)	(0.07)	(6.53)	18.89	416.59	293.03	3,367.07	6,352.55	10,418.65
45 mph	(49.58)	(0.15)	(14.15)	40.94	902.61	634.91	2,405.05	4,537.53	8,457.15
50 mph	(41.95)	(0.13)	(11.98)	34.64	763.74	537.23	1,443.03	2,722.52	5,447.11
55 mph	(30.51)	(0.09)	(8.71)	25.19	555.45	390.71	481.01	907.51	2,320.56
60 mph	(15.25)	(0.05)	(4.36)	12.60	277.72	195.36	33,670.75	63,525.48	97,662.25
65 mph	(7.63)	(0.02)	(2.18)	6.30	138.86	97.68	-	-	233.01
70 mph	(179.24)	(0.55)	(51.17)	148.00	3,263.27	2,295.43	-	-	5,475.74
total	(381.37)	(1.16)	(108.88)	314.89	6,943.12	4,883.90	48,101.07	90,750.69	150,502.25

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	27.64	19.45	85.25	160.83	293.17
15 mph	31.52	0.10	9.00	8.86	138.75	97.60	406.27	766.50	1,458.60
25 mph	-	-	-	-	334.75	235.47	1,648.53	3,110.23	5,328.98
35 mph	92.79	0.28	26.49	25.50	-	-	-	-	145.06
total	124.31	0.38	35.49	34.36	473.50	333.07	2,054.80	3,876.73	6,932.64

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	27.64	19.45	85.25	160.83	293.17
10 mph	5.32	0.02	1.52	11.52	148.68	104.58	718.69	1,355.93	2,346.26
15 mph	32.70	0.10	9.34	11.42	171.79	120.84	611.62	1,153.91	2,111.72
20 mph	3.27	0.01	0.93	18.51	267.67	188.28	1,097.03	2,069.74	3,645.45
25 mph	23.81	0.07	6.80	68.75	1,264.88	889.73	5,177.31	9,767.86	17,199.21
30 mph	18.82	0.06	5.37	69.33	966.52	679.86	4,458.46	8,411.63	14,610.05
35 mph	94.07	0.29	26.86	73.94	740.27	520.72	3,707.43	6,994.68	12,158.26
40 mph	(15.79)	(0.05)	(4.51)	34.26	614.82	432.47	4,085.77	7,708.48	12,855.45
45 mph	(44.85)	(0.14)	(12.81)	51.18	1,034.76	727.87	3,329.09	6,280.88	11,365.98
50 mph	(37.23)	(0.11)	(10.63)	44.88	895.90	630.19	2,572.41	4,853.27	8,948.69
55 mph	(22.24)	(0.07)	(6.35)	43.12	786.72	553.39	583.68	1,101.21	3,039.47
60 mph	(9.94)	(0.03)	(2.84)	24.12	426.40	299.94	34,081.43	64,300.30	99,119.38
65 mph	(7.63)	(0.02)	(2.18)	6.30	138.86	97.68	-	-	233.01
70 mph	(179.24)	(0.55)	(51.17)	148.00	3,263.27	2,295.43	-	-	5,475.74
total	(138.93)	(0.42)	(39.66)	605.34	10,720.53	7,540.98	60,422.91	113,997.90	193,108.65

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	15.89	0.56	3.60	7.59	-	-	-	75.34	102.98
15 mph	3.53	0.12	0.80	1.69	-	-	-	21.53	27.67
20 mph	21.19	0.75	4.80	10.12	-	-	-	64.58	101.44
25 mph	88.29	3.12	20.01	42.16	-	-	-	269.06	422.65
30 mph	84.76	3.00	19.21	40.47	-	-	-	215.25	362.69
35 mph	49.44	1.75	11.21	23.61	-	-	-	86.10	172.11
40 mph	21.19	0.75	4.80	10.12	-	-	-	75.34	112.20
45 mph	14.13	0.50	3.20	6.75	-	-	-	96.86	121.44
50 mph	14.13	0.50	3.20	6.75	-	-	-	118.39	142.96
55 mph	24.72	0.87	5.60	11.81	-	-	-	10.76	53.77
60 mph	15.89	0.56	3.60	7.59	-	-	-	43.05	70.70
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	353.18	12.49	80.04	168.64	-	-	-	1,076.25	1,690.60

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(11.40)	(0.40)	(2.58)	2.07	-	-	-	50.42	38.11
25 mph	(17.10)	(0.60)	(3.88)	3.11	-	-	-	100.84	82.37
30 mph	(28.50)	(1.01)	(6.46)	5.18	-	-	-	252.11	221.32
35 mph	(45.61)	(1.61)	(10.34)	8.29	-	-	-	302.53	253.27
40 mph	(68.41)	(2.42)	(15.50)	12.44	-	-	-	352.96	279.06
45 mph	(148.22)	(5.24)	(33.59)	26.96	-	-	-	252.11	92.01
50 mph	(125.42)	(4.44)	(28.42)	22.81	-	-	-	151.27	15.80
55 mph	(91.21)	(3.23)	(20.67)	16.59	-	-	-	50.42	(48.10)
60 mph	(45.61)	(1.61)	(10.34)	8.29	-	-	-	3,529.57	3,480.30
65 mph	(22.80)	(0.81)	(5.17)	4.15	-	-	-	-	(24.63)
70 mph	(535.89)	(18.95)	(121.45)	97.46	-	-	-	-	(578.82)
total	(1,140.18)	(40.32)	(258.40)	207.37	-	-	-	5,042.24	3,810.70

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	8.94	8.94
15 mph	94.25	3.33	21.36	5.84	-	-	-	42.59	167.36
25 mph	-	-	-	-	-	-	-	172.81	172.81
35 mph	277.41	9.81	62.87	16.79	-	-	-	-	366.88
total	371.65	13.14	84.23	22.63	-	-	-	215.40	707.05

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	8.94	8.94
10 mph	15.89	0.56	3.60	7.59	-	-	-	75.34	102.98
15 mph	97.78	3.46	22.16	7.52	-	-	-	64.11	195.03
20 mph	9.79	0.35	2.22	12.19	-	-	-	115.00	139.54
25 mph	71.19	2.52	16.13	45.27	-	-	-	542.72	677.83
30 mph	56.26	1.99	12.75	45.66	-	-	-	467.36	584.02
35 mph	281.25	9.95	63.74	48.70	-	-	-	388.63	792.26
40 mph	(47.22)	(1.67)	(10.70)	22.56	-	-	-	428.29	391.26
45 mph	(134.10)	(4.74)	(30.39)	33.70	-	-	-	348.97	213.45
50 mph	(111.29)	(3.94)	(25.22)	29.56	-	-	-	269.65	158.76
55 mph	(66.49)	(2.35)	(15.07)	28.39	-	-	-	61.18	5.67
60 mph	(29.71)	(1.05)	(6.73)	15.88	-	-	-	3,572.62	3,551.00
65 mph	(22.80)	(0.81)	(5.17)	4.15	-	-	-	-	(24.63)
70 mph	(535.89)	(18.95)	(121.45)	97.46	-	-	-	-	(578.82)
total	532.15	18.82	120.60	166.93	-	-	-	1,653.16	6,208.35

World Logistics Center
Mobile Emissions - 2025 Phase 1 (Net) - Unmitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	15280	330	0.21	3208.9	3084.7	31.1	93.1
	LDT1	15	1127	330	0.21	236.8	233.4	0.1	3.3
	LDT2	15	5642	330	0.21	1184.8	1154.9	8.9	21.1
	MDT	15	1700	330	0.21	357.0	342.4	8.8	5.8
	LHDT1	15	1494	330	0.21	313.6	175.2	138.4	0.0
	LHDT2	15	718	330	0.21	150.8	53.4	97.4	0.0
	MHDT	15	2286	330	0.21	480.2	78.4	401.7	0.0
	HHDT	15	3813	330	0.21	800.6	0.6	758.0	42.1
Travel at Light Logistics	LDA	15	45	175	0.11	4.9	4.7	0.0	0.1
	LDT1	15	3	175	0.11	0.4	0.4	0.0	0.0
	LDT2	15	16	175	0.11	1.8	1.8	0.0	0.0
	MDT	15	4	175	0.11	0.5	0.4	0.0	0.0
	LHDT1	15	2	175	0.11	0.3	0.1	0.1	0.0
	LHDT2	15	1	175	0.11	0.1	0.0	0.1	0.0
	MHDT	15	3	175	0.11	0.3	0.1	0.3	0.0
	HHDT	15	5	175	0.11	0.6	0.0	0.5	0.0
Travel at Utility	LDA	15	219	100	0.06	13.1	12.6	0.1	0.4
	LDT1	15	16	100	0.06	1.0	1.0	0.0	0.0
	LDT2	15	81	100	0.06	4.9	4.7	0.0	0.1
	MDT	15	47	100	0.06	2.8	2.7	0.1	0.0
	LHDT1	15	7	100	0.06	0.4	0.2	0.2	0.0
	LHDT2	15	3	100	0.06	0.2	0.1	0.1	0.0
	MHDT	15	14	100	0.06	0.8	0.1	0.7	0.0
	HHDT	15	23	100	0.06	1.4	0.0	1.3	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	142	50	0.03	4.3	0.7	3.6	0.0
	HHDT	15	237	50	0.03	7.1	0.0	6.7	0.4
Travel at Convenience Store	LDA	15	669	50	0.03	20.1	19.3	0.2	0.6
	LDT1	15	49	50	0.03	1.5	1.5	0.0	0.0
	LDT2	15	247	50	0.03	7.4	7.2	0.1	0.1
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	95	50	0.03	2.8	2.7	0.0	0.1
	LDT1	15	7	50	0.03	0.2	0.2	0.0	0.0
	LDT2	15	35	50	0.03	1.1	1.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	3124.1	236.3	1169.6	345.5	175.6	53.5	79.3	0.6
Diesel	31.5	0.1	9.0	8.9	138.7	97.6	406.3	766.5
Electric/Natural Gas (HHDT Only)	94.2	3.3	21.4	5.8	0.0	0.0	0.0	42.6

World Logistics Center
Mobile Emissions - 2025 Phase 1 (Net) - Unmitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	747	417	330	0	2085.7	1648.1	0.0
	LHDT2	5	359	127	232	0	635.8	1159.3	0.0
	MHDT	5	1143	187	957	0	933.4	4782.7	0.0
	HHDT	5	1906	1	1805	100	6.7	9023.4	501.4
Travel at Light Logistics	LHDT1	5	1	1	1	0	3.4	2.7	0.0
	LHDT2	5	1	0	0	0	1.0	1.9	0.0
	MHDT	5	2	0	1	0	1.2	6.3	0.0
	HHDT	5	3	0	2	0	0.0	11.8	0.7
Travel at Utility	LHDT1	5	4	2	2	0	9.9	7.9	0.0
	LHDT2	5	2	1	1	0	3.0	5.5	0.0
	MHDT	5	7	1	6	0	5.5	28.4	0.0
	HHDT	5	11	0	11	1	0.0	53.6	3.0
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	71	12	59	0	58.1	297.5	0.0
	HHDT	5	119	0	112	6	0.4	561.3	31.2
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	35.0	10.7	16.6	0.1
Diesel	27.6	19.4	85.2	160.8
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	8.9

World Logistics Center
Mobile Emissions - 2025 Phase 1 (Net) - Unmitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					16.5775	16.7147	27.0246	11.9128
10 mph	0.0266	0.0724	0.0480	0.0606	0.0762	0.0552	0.1335	1.5332
15 mph	0.0179	0.0493	0.0324	0.0409	0.0522	0.0374	0.0896	1.0155
20 mph	0.0126	0.0355	0.0231	0.0291	0.0384	0.0268	0.0638	0.7219
25 mph	0.0093	0.0266	0.0171	0.0216	0.0291	0.0199	0.0467	0.5364
30 mph	0.0072	0.0210	0.0133	0.0169	0.0232	0.0156	0.0358	0.4214
35 mph	0.0059	0.0174	0.0109	0.0138	0.0196	0.0129	0.0291	0.3503
40 mph	0.0051	0.0152	0.0095	0.0120	0.0175	0.0114	0.0255	0.3071
45 mph	0.0047	0.0139	0.0087	0.0111	0.0164	0.0105	0.0232	0.2830
50 mph	0.0045	0.0134	0.0083	0.0106	0.0161	0.0102	0.0224	0.2742
55 mph	0.0045	0.0134	0.0084	0.0108	0.0167	0.0104	0.0231	0.2811
60 mph	0.0048	0.0139	0.0088	0.0113	0.0179	0.0112	0.0248	0.3007
65 mph	0.0053	0.0152	0.0096	0.0125	0.0205	0.0127		
70 mph	0.0055	0.0181	0.0100	0.0135	0.0212	0.0119		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5302	2.3625
10 mph	0.1088	0.4774	0.1930	0.1109	0.5417	0.5436	0.0359	0.0830
15 mph	0.0556	0.3253	0.0948	0.0549	0.2798	0.2797	0.0200	0.0478
20 mph	0.0242	0.2328	0.0375	0.0224	0.1282	0.1266	0.0132	0.0294
25 mph	0.0155	0.1827	0.0227	0.0140	0.0845	0.0830	0.0103	0.0248
30 mph	0.0120	0.1522	0.0172	0.0107	0.0669	0.0653	0.0083	0.0201
35 mph	0.0097	0.1331	0.0138	0.0087	0.0564	0.0545	0.0068	0.0164
40 mph	0.0082	0.1214	0.0114	0.0073	0.0493	0.0473	0.0059	0.0141
45 mph	0.0072	0.1154	0.0097	0.0063	0.0444	0.0424	0.0054	0.0130
50 mph	0.0066	0.1152	0.0085	0.0056	0.0419	0.0398	0.0054	0.0130
55 mph	0.0062	0.1205	0.0076	0.0051	0.0403	0.0381	0.0059	0.0143
60 mph	0.0062	0.1313	0.0072	0.0050	0.0411	0.0387	0.0069	0.0166
65 mph	0.0065	0.1510	0.0073	0.0052	0.0472	0.0439		
70 mph	0.0066	0.1780	0.0076	0.0058	0.0761	0.0645		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0769
10 mph								0.6514
15 mph								0.4069
20 mph								0.2600
25 mph								0.1922
30 mph								0.1469
35 mph								0.1129
40 mph								0.0875
45 mph								0.0689
50 mph								0.0555
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0309	0.0064	0.0209	0.0600	0.0316	0.0070	0.0413	0.0034	0.2015
15 mph	0.0046	0.0010	0.0031	0.0090	0.0048	0.0010	0.0079	0.0006	0.0321
20 mph	0.0196	0.0042	0.0134	0.0384	0.0212	0.0045	0.0169	0.0014	0.1195
25 mph	0.0600	0.0130	0.0413	0.1189	0.0670	0.0140	0.0516	0.0042	0.3700
30 mph	0.0446	0.0098	0.0309	0.0891	0.0513	0.0105	0.0316	0.0027	0.2705
35 mph	0.0212	0.0047	0.0147	0.0426	0.0253	0.0051	0.0103	0.0009	0.1248
40 mph	0.0079	0.0018	0.0055	0.0159	0.0097	0.0019	0.0079	0.0007	0.0512
45 mph	0.0048	0.0011	0.0034	0.0097	0.0060	0.0012	0.0092	0.0008	0.0362
50 mph	0.0046	0.0010	0.0032	0.0094	0.0059	0.0011	0.0109	0.0010	0.0372
55 mph	0.0082	0.0018	0.0057	0.0166	0.0108	0.0021	0.0010	0.0001	0.0463
60 mph	0.0056	0.0012	0.0038	0.0112	0.0074	0.0014	0.0044	0.0004	0.0354
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.2120	0.0460	0.1458	0.4209	0.2411	0.0499	0.1930	0.0161	1.3248

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0105)	(0.0022)	(0.0072)	0.0079	0.0074	0.0016	0.0132	0.0011	0.0112
25 mph	(0.0116)	(0.0025)	(0.0080)	0.0088	0.0085	0.0018	0.0193	0.0016	0.0178
30 mph	(0.0150)	(0.0033)	(0.0104)	0.0114	0.0112	0.0023	0.0371	0.0031	0.0364
35 mph	(0.0195)	(0.0044)	(0.0136)	0.0150	0.0152	0.0031	0.0362	0.0031	0.0350
40 mph	(0.0254)	(0.0057)	(0.0177)	0.0195	0.0204	0.0040	0.0369	0.0032	0.0352
45 mph	(0.0506)	(0.0114)	(0.0352)	0.0389	0.0413	0.0081	0.0240	0.0021	0.0172
50 mph	(0.0412)	(0.0093)	(0.0285)	0.0317	0.0343	0.0066	0.0139	0.0012	0.0087
55 mph	(0.0303)	(0.0068)	(0.0209)	0.0233	0.0259	0.0049	0.0048	0.0004	0.0013
60 mph	(0.0160)	(0.0035)	(0.0109)	0.0123	0.0139	0.0026	0.3594	0.0311	0.3889
65 mph	(0.0088)	(0.0019)	(0.0060)	0.0067	0.0079	0.0015	-	-	(0.0005)
70 mph	(0.2165)	(0.0537)	(0.1471)	0.1715	0.1931	0.0330	-	-	(0.0197)
total	(0.4455)	(0.1047)	(0.3055)	0.3471	0.3790	0.0694	0.5448	0.0469	0.5316

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.2788	0.3931	0.9914	0.0037	2.6669
15 mph	0.1234	0.0257	0.0836	0.0312	0.0202	0.0044	0.0157	0.0013	0.3055
25 mph	-	-	-	-	0.0272	0.0057	0.0331	0.0027	0.0687
35 mph	0.1188	0.0266	0.0826	0.0303	-	-	-	-	0.2584
total	0.2422	0.0523	0.1662	0.0615	1.3261	0.4032	1.0402	0.0076	3.2995

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.2788	0.3931	0.9914	0.0037	2.6669
10 mph	0.0309	0.0064	0.0209	0.0600	0.0316	0.0070	0.0413	0.0034	0.2015
15 mph	0.1281	0.0267	0.0868	0.0402	0.0250	0.0055	0.0236	0.0019	0.3376
20 mph	0.0090	0.0019	0.0062	0.0463	0.0287	0.0061	0.0301	0.0024	0.1308
25 mph	0.0484	0.0105	0.0333	0.1277	0.1027	0.0215	0.1040	0.0085	0.4565
30 mph	0.0296	0.0065	0.0205	0.1005	0.0625	0.0128	0.0687	0.0058	0.3069
35 mph	0.1204	0.0270	0.0837	0.0879	0.0404	0.0081	0.0465	0.0040	0.4182
40 mph	(0.0175)	(0.0040)	(0.0122)	0.0354	0.0300	0.0059	0.0448	0.0039	0.0864
45 mph	(0.0458)	(0.0103)	(0.0318)	0.0486	0.0474	0.0092	0.0332	0.0029	0.0535
50 mph	(0.0366)	(0.0082)	(0.0253)	0.0411	0.0402	0.0077	0.0248	0.0022	0.0459
55 mph	(0.0221)	(0.0049)	(0.0153)	0.0399	0.0367	0.0070	0.0058	0.0005	0.0476
60 mph	(0.0104)	(0.0023)	(0.0071)	0.0235	0.0213	0.0041	0.3638	0.0315	0.4243
65 mph	(0.0088)	(0.0019)	(0.0060)	0.0067	0.0079	0.0015	-	-	(0.0005)
70 mph	(0.2165)	(0.0537)	(0.1471)	0.1715	0.1931	0.0330	-	-	(0.0197)
total	0.0087	(0.0063)	0.0066	0.8295	1.9462	0.5225	1.7780	0.0707	5.1559

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0013	0.0000	0.0006	0.0028	0.1776	0.1254	0.0569	0.2481	0.6127
15 mph	0.0001	0.0000	0.0001	0.0003	0.0204	0.0143	0.0090	0.0408	0.0851
20 mph	0.0004	0.0000	0.0002	0.0008	0.0560	0.0389	0.0179	0.0754	0.1897
25 mph	0.0010	0.0000	0.0004	0.0020	0.1540	0.1063	0.0583	0.2650	0.5870
30 mph	0.0007	0.0000	0.0003	0.0015	0.1170	0.0803	0.0377	0.1716	0.4092
35 mph	0.0004	0.0000	0.0001	0.0007	0.0575	0.0391	0.0124	0.0560	0.1662
40 mph	0.0001	0.0000	0.0001	0.0002	0.0215	0.0145	0.0093	0.0422	0.0880
45 mph	0.0001	0.0000	0.0000	0.0001	0.0129	0.0087	0.0110	0.0498	0.0827
50 mph	0.0001	0.0000	0.0000	0.0001	0.0122	0.0082	0.0134	0.0610	0.0950
55 mph	0.0001	0.0000	0.0000	0.0002	0.0206	0.0137	0.0013	0.0061	0.0421
60 mph	0.0001	0.0000	0.0000	0.0001	0.0135	0.0089	0.0062	0.0283	0.0571
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0044	0.0001	0.0019	0.0088	0.6633	0.4583	0.2335	1.0444	2.4147

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0196	0.0136	0.0140	0.0589	0.1060
25 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0194	0.0134	0.0219	0.0993	0.1538
30 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0256	0.0176	0.0441	0.2010	0.2881
35 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0345	0.0235	0.0436	0.1968	0.2982
40 mph	(0.0004)	(0.0000)	(0.0002)	0.0003	0.0453	0.0306	0.0436	0.1976	0.3167
45 mph	(0.0008)	(0.0000)	(0.0003)	0.0006	0.0884	0.0594	0.0285	0.1297	0.3055
50 mph	(0.0006)	(0.0000)	(0.0002)	0.0004	0.0706	0.0471	0.0172	0.0779	0.2123
55 mph	(0.0004)	(0.0000)	(0.0001)	0.0003	0.0494	0.0329	0.0062	0.0286	0.1168
60 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0252	0.0167	0.5087	2.3208	2.8712
65 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0145	0.0095	-	-	0.0238
70 mph	(0.0026)	(0.0002)	(0.0009)	0.0019	0.5474	0.3264	-	-	0.8721
total	(0.0061)	(0.0004)	(0.0022)	0.0044	0.9399	0.5906	0.7278	3.3107	5.5647

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1934	0.1361	0.0997	0.8378	1.2670
15 mph	0.0039	0.0001	0.0019	0.0011	0.0856	0.0602	0.0179	0.0808	0.2513
25 mph	-	-	-	-	0.0624	0.0431	0.0375	0.1702	0.3131
35 mph	0.0020	0.0001	0.0008	0.0005	-	-	-	-	0.0034
total	0.0058	0.0002	0.0027	0.0016	0.3414	0.2393	0.1550	1.0888	1.8348

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1934	0.1361	0.0997	0.8378	1.2670
10 mph	0.0013	0.0000	0.0006	0.0028	0.1776	0.1254	0.0569	0.2481	0.6127
15 mph	0.0040	0.0001	0.0020	0.0014	0.1060	0.0745	0.0269	0.1217	0.3365
20 mph	0.0002	0.0000	0.0001	0.0009	0.0757	0.0526	0.0320	0.1343	0.2957
25 mph	0.0008	0.0000	0.0003	0.0021	0.2358	0.1627	0.1176	0.5345	1.0540
30 mph	0.0005	0.0000	0.0002	0.0016	0.1427	0.0979	0.0818	0.3725	0.6973
35 mph	0.0020	0.0001	0.0008	0.0014	0.0920	0.0626	0.0560	0.2529	0.4677
40 mph	(0.0003)	(0.0000)	(0.0001)	0.0006	0.0668	0.0451	0.0529	0.2398	0.4047
45 mph	(0.0007)	(0.0000)	(0.0003)	0.0007	0.1014	0.0681	0.0395	0.1796	0.3882
50 mph	(0.0005)	(0.0000)	(0.0002)	0.0006	0.0828	0.0553	0.0306	0.1389	0.3074
55 mph	(0.0003)	(0.0000)	(0.0001)	0.0005	0.0700	0.0465	0.0076	0.0347	0.1589
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0003	0.0386	0.0256	0.5149	2.3491	2.9283
65 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0145	0.0095	-	-	0.0238
70 mph	(0.0026)	(0.0002)	(0.0009)	0.0019	0.5474	0.3264	-	-	0.8721
total	0.0041	(0.0001)	0.0024	0.0148	1.9446	1.2882	1.1163	5.4439	9.8142

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1082	0.1082
15 mph								0.0193	0.0193
20 mph								0.0370	0.0370
25 mph								0.1140	0.1140
30 mph								0.0697	0.0697
35 mph								0.0214	0.0214
40 mph								0.0145	0.0145
45 mph								0.0147	0.0147
50 mph								0.0145	0.0145
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.4134	0.4134

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0289	0.0289
25 mph								0.0427	0.0427
30 mph								0.0817	0.0817
35 mph								0.0753	0.0753
40 mph								0.0681	0.0681
45 mph								0.0383	0.0383
50 mph								0.0185	0.0185
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.2286	0.2286

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0015	0.0015
15 mph								0.0382	0.0382
25 mph								0.0732	0.0732
35 mph								-	-
total	-	-	-	-	-	-	-	0.1129	0.1129

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0015	0.0015
10 mph								0.1082	0.1082
15 mph								0.0575	0.0575
20 mph								0.0659	0.0659
25 mph								0.2300	0.2300
30 mph								0.1514	0.1514
35 mph								0.0967	0.0967
40 mph								0.0827	0.0827
45 mph								0.0530	0.0530
50 mph								0.0330	0.0330
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.8799	0.8799

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2808	0.7353	0.4851	0.5389	0.8360	0.7130	0.4357	0.6079
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS + HOTSOAK Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.6337	0.1256	0.4099	1.7280	0.9383	0.2440	0.2432	0.0024
Electric/NG	-	-	-	-	-	-	-	-
Total	**0.6337**	**0.1256**	**0.4099**	**1.7280**	**0.9383**	**0.2440**	**0.2432**	**0.0024**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.4041	0.8944	0.6467	0.7821	0.0815	0.0743	0.0570	0.0897
Electric/NG	0.0314	0.0313	0.0313	0.0314	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.4560	0.0764	0.2732	1.2538	0.0457	0.0127	0.0159	0.0002
Electric/NG	0.0011	0.0000	0.0002	0.0008	-	-	-	-
Total	0.4571	0.0764	0.2735	1.2546	0.0457	0.0127	0.0159	0.0002

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1731	0.2647	0.2461	0.3063	0.0997	0.1004	0.1800	0.0016
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3906	0.0452	0.2080	0.9822	0.1119	0.0343	0.1005	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.3906	0.0452	0.2080	0.9822	0.1119	0.0343	0.1005	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.4722	0.5291	1.0911	0.8430	3.9354
10 mph	0.0322	0.0064	0.0215	0.0628	0.2092	0.1323	0.0981	0.3597	0.9224
15 mph	0.1321	0.0267	0.0887	0.0416	0.1310	0.0800	0.0505	0.1811	0.7316
20 mph	0.0092	0.0019	0.0063	0.0472	0.1043	0.0587	0.0621	0.2027	0.4924
25 mph	0.0492	0.0105	0.0336	0.1298	0.3385	0.1842	0.2216	0.7730	1.7404
30 mph	0.0301	0.0065	0.0207	0.1021	0.2052	0.1108	0.1505	0.5297	1.1556
35 mph	0.1224	0.0271	0.0846	0.0894	0.1324	0.0707	0.1025	0.3536	0.9827
40 mph	(0.0178)	(0.0040)	(0.0123)	0.0360	0.0968	0.0511	0.0977	0.3263	0.5738
45 mph	(0.0465)	(0.0103)	(0.0321)	0.0493	0.1487	0.0774	0.0727	0.2355	0.4947
50 mph	(0.0371)	(0.0082)	(0.0255)	0.0416	0.1230	0.0630	0.0554	0.1741	0.3863
55 mph	(0.0224)	(0.0050)	(0.0154)	0.0404	0.1066	0.0535	0.0134	0.0352	0.2065
60 mph	(0.0105)	(0.0023)	(0.0072)	0.0237	0.0599	0.0297	0.8787	2.3806	3.3526
65 mph	(0.0089)	(0.0019)	(0.0060)	0.0068	0.0224	0.0110	-	-	0.0233
70 mph	(0.2192)	(0.0539)	(0.1479)	0.1734	0.7405	0.3594	-	-	0.8524
RL+HS	0.6337	0.1256	0.4099	1.7280	0.9383	0.2440	0.2432	0.0024	4.3250
RL+DIURN	0.4571	0.0764	0.2735	1.2546	0.0457	0.0127	0.0159	-	2.1359
STREX	0.3906	0.0452	0.2080	0.9822	0.1119	0.0343	0.1005	0.0000	1.8727
total	1.4942	0.2408	0.9003	4.8091	4.9868	2.1017	3.2538	6.3969	**24.1836**

World Logistics Center
Mobile Emissions - 2025 Phase 1 (Net) - Unmitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.4463	1.4572	2.4017	27.6978
10 mph	0.0434	0.1235	0.0890	0.1099	0.1981	0.2141	0.3957	4.9533
15 mph	0.0383	0.1062	0.0775	0.0957	0.1754	0.1883	0.3520	4.3850
20 mph	0.0343	0.0938	0.0690	0.0854	0.1626	0.1713	0.3200	4.0179
25 mph	0.0311	0.0841	0.0620	0.0771	0.1507	0.1567	0.2890	3.7078
30 mph	0.0287	0.0772	0.0570	0.0711	0.1428	0.1462	0.2641	3.4903
35 mph	0.0268	0.0724	0.0532	0.0668	0.1378	0.1387	0.2463	3.3446
40 mph	0.0256	0.0693	0.0508	0.0639	0.1342	0.1333	0.2361	3.2388
45 mph	0.0248	0.0677	0.0494	0.0622	0.1321	0.1298	0.2272	3.1736
50 mph	0.0245	0.0681	0.0490	0.0620	0.1326	0.1283	0.2248	3.1575
55 mph	0.0249	0.0706	0.0503	0.0635	0.1362	0.1308	0.2293	3.2214
60 mph	0.0260	0.0753	0.0530	0.0669	0.1413	0.1357	0.2377	3.3288
65 mph	0.0271	0.0811	0.0558	0.0708	0.1493	0.1424		
70 mph	0.0277	0.0922	0.0571	0.0755	0.1675	0.1433		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					48.7866	49.0431	35.9232	29.0695
10 mph	0.0889	0.7076	0.1266	0.0853	0.8978	0.8482	5.0511	11.9729
15 mph	0.0668	0.7240	0.0862	0.0603	0.7735	0.7362	3.5623	7.8289
20 mph	0.0513	0.7461	0.0584	0.0436	0.7710	0.7215	2.8352	5.3867
25 mph	0.0444	0.7698	0.0457	0.0364	0.7733	0.7185	2.2214	4.6098
30 mph	0.0408	0.7958	0.0390	0.0330	0.8128	0.7466	1.6721	3.4776
35 mph	0.0383	0.8211	0.0347	0.0312	0.8786	0.7937	1.2349	2.7048
40 mph	0.0371	0.8525	0.0316	0.0298	0.9349	0.8364	0.9097	2.0106
45 mph	0.0367	0.8875	0.0294	0.0287	0.9745	0.8689	0.6968	1.5627
50 mph	0.0367	0.9207	0.0278	0.0284	1.0323	0.9174	0.6010	1.2913
55 mph	0.0366	0.9595	0.0265	0.0281	1.0540	0.9408	0.6182	1.3357
60 mph	0.0374	0.9959	0.0261	0.0283	1.0710	0.9554	0.7482	1.5901
65 mph	0.0375	1.0203	0.0265	0.0295	1.2082	1.0666		
70 mph	0.0394	1.0094	0.0292	0.0358	2.1949	1.7651		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								34.1590
10 mph								3.8454
15 mph								2.8728
20 mph								2.2584
25 mph								1.9545
30 mph								1.7731
35 mph								1.6393
40 mph								1.5381
45 mph								1.4617
50 mph								1.4057
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0505	0.0109	0.0387	0.1089	0.0822	0.0271	0.1224	0.0110	0.4515
15 mph	0.0099	0.0021	0.0075	0.0211	0.0162	0.0053	0.0311	0.0028	0.0959
20 mph	0.0531	0.0110	0.0400	0.1129	0.0899	0.0289	0.0848	0.0076	0.4283
25 mph	0.2005	0.0410	0.1499	0.4245	0.3474	0.1101	0.3192	0.0293	1.6220
30 mph	0.1775	0.0362	0.1321	0.3759	0.3159	0.0986	0.2334	0.0220	1.3917
35 mph	0.0970	0.0198	0.0720	0.2059	0.1779	0.0546	0.0870	0.0085	0.7226
40 mph	0.0396	0.0081	0.0294	0.0844	0.0742	0.0225	0.0730	0.0072	0.3385
45 mph	0.0256	0.0053	0.0191	0.0548	0.0487	0.0146	0.0903	0.0090	0.2674
50 mph	0.0253	0.0053	0.0190	0.0546	0.0489	0.0144	0.1093	0.0110	0.2877
55 mph	0.0450	0.0097	0.0340	0.0979	0.0879	0.0257	0.0101	0.0010	0.3114
60 mph	0.0302	0.0066	0.0230	0.0663	0.0586	0.0172	0.0420	0.0042	0.2481
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.7541	0.1559	0.5648	1.6070	1.3478	0.4190	1.2028	0.1135	6.1651

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0286)	(0.0059)	(0.0215)	0.0231	0.0315	0.0101	0.0662	0.0059	0.0809
25 mph	(0.0388)	(0.0079)	(0.0290)	0.0313	0.0438	0.0139	0.1197	0.0110	0.1438
30 mph	(0.0597)	(0.0122)	(0.0444)	0.0481	0.0692	0.0216	0.2734	0.0258	0.3218
35 mph	(0.0895)	(0.0183)	(0.0664)	0.0723	0.1068	0.0328	0.3059	0.0297	0.3733
40 mph	(0.1279)	(0.0262)	(0.0950)	0.1038	0.1560	0.0472	0.3421	0.0335	0.4335
45 mph	(0.2689)	(0.0555)	(0.2003)	0.2189	0.3327	0.0996	0.2351	0.0235	0.3851
50 mph	(0.2248)	(0.0472)	(0.1682)	0.1845	0.2826	0.0834	0.1396	0.0140	0.2638
55 mph	(0.1659)	(0.0356)	(0.1256)	0.1376	0.2112	0.0618	0.0475	0.0048	0.1356
60 mph	(0.0865)	(0.0190)	(0.0661)	0.0724	0.1095	0.0321	3.4448	0.3448	3.8319
65 mph	(0.0452)	(0.0102)	(0.0348)	0.0383	0.0578	0.0168	-	-	0.0228
70 mph	(1.0853)	(0.2733)	(0.8378)	0.9608	1.5256	0.3979	-	-	0.6878
total	(2.2211)	(0.5114)	(1.6894)	1.8913	2.9266	0.8172	4.9743	0.4930	6.6804

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1116	0.0343	0.0881	0.0085	0.2424
15 mph	0.2636	0.0553	0.1998	0.0729	0.0679	0.0222	0.0615	0.0055	0.7489
25 mph	-	-	-	-	0.1408	0.0446	0.2050	0.0188	0.4093
35 mph	0.5441	0.1111	0.4040	0.1464	-	-	-	-	1.2056
total	0.8078	0.1664	0.6038	0.2194	0.3203	0.1011	0.3547	0.0328	2.6063

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1116	0.0343	0.0881	0.0085	0.2424
10 mph	0.0505	0.0109	0.0387	0.1089	0.0822	0.0271	0.1224	0.0110	0.4515
15 mph	0.2735	0.0574	0.2073	0.0940	0.0841	0.0275	0.0926	0.0082	0.8447
20 mph	0.0245	0.0051	0.0185	0.1360	0.1214	0.0390	0.1511	0.0136	0.5092
25 mph	0.1616	0.0331	0.1209	0.4559	0.5320	0.1687	0.6439	0.0590	2.1751
30 mph	0.1178	0.0240	0.0877	0.4240	0.3850	0.1202	0.5068	0.0479	1.7134
35 mph	0.5517	0.1126	0.4096	0.4247	0.2847	0.0874	0.3929	0.0381	2.3016
40 mph	(0.0883)	(0.0181)	(0.0656)	0.1881	0.2302	0.0697	0.4152	0.0407	0.7720
45 mph	(0.2432)	(0.0502)	(0.1812)	0.2737	0.3814	0.1142	0.3255	0.0325	0.6526
50 mph	(0.1995)	(0.0419)	(0.1493)	0.2391	0.3315	0.0978	0.2489	0.0250	0.5515
55 mph	(0.1210)	(0.0260)	(0.0916)	0.2355	0.2991	0.0875	0.0576	0.0058	0.4470
60 mph	(0.0564)	(0.0124)	(0.0431)	0.1387	0.1681	0.0492	3.4868	0.3490	4.0800
65 mph	(0.0452)	(0.0102)	(0.0348)	0.0383	0.0578	0.0168	-	-	0.0228
70 mph	(1.0853)	(0.2733)	(0.8378)	0.9608	1.5256	0.3979	-	-	0.6878
total	(0.6592)	(0.1891)	(0.5207)	3.7177	4.5947	1.3373	6.5318	0.6393	15.4517

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0010	0.0000	0.0004	0.0022	0.2943	0.1956	8.0046	35.7970	44.2951
15 mph	0.0002	0.0000	0.0001	0.0003	0.0564	0.0377	1.6129	6.6877	8.3953
20 mph	0.0008	0.0000	0.0003	0.0015	0.3370	0.2218	3.8511	13.8045	18.2170
25 mph	0.0029	0.0002	0.0008	0.0051	1.4083	0.9205	12.5724	49.2234	64.1337
30 mph	0.0025	0.0002	0.0007	0.0045	1.4212	0.9183	7.5710	29.7071	39.6254
35 mph	0.0014	0.0001	0.0004	0.0025	0.8961	0.5694	2.2364	9.2423	12.9486
40 mph	0.0006	0.0000	0.0001	0.0010	0.4087	0.2572	1.4417	6.0113	8.1206
45 mph	0.0004	0.0000	0.0001	0.0006	0.2840	0.1781	1.4198	6.0070	7.8901
50 mph	0.0004	0.0000	0.0001	0.0006	0.3008	0.1881	1.4966	6.0671	8.0537
55 mph	0.0007	0.0001	0.0001	0.0011	0.5375	0.3375	0.1400	0.5705	1.5874
60 mph	0.0004	0.0000	0.0001	0.0007	0.3511	0.2203	0.6775	2.7167	3.9669
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0113	0.0006	0.0032	0.0202	6.2954	4.0445	41.0240	165.8345	217.2338

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0004)	(0.0000)	(0.0001)	0.0003	0.1180	0.0777	3.0071	10.7790	13.9815
25 mph	(0.0006)	(0.0000)	(0.0002)	0.0004	0.1776	0.1161	4.7122	18.4489	23.4543
30 mph	(0.0009)	(0.0001)	(0.0002)	0.0006	0.3111	0.2010	8.8676	34.7944	44.1735
35 mph	(0.0013)	(0.0001)	(0.0003)	0.0009	0.5381	0.3419	7.8583	32.4753	41.2127
40 mph	(0.0019)	(0.0001)	(0.0005)	0.0012	0.8588	0.5404	6.7542	28.1629	36.3151
45 mph	(0.0040)	(0.0003)	(0.0009)	0.0026	1.9396	1.2164	3.6954	15.6349	22.4837
50 mph	(0.0034)	(0.0003)	(0.0007)	0.0022	1.7384	1.0868	1.9123	7.7521	12.4873
55 mph	(0.0025)	(0.0002)	(0.0005)	0.0016	1.2909	0.8105	0.6557	2.6729	5.4284
60 mph	(0.0013)	(0.0001)	(0.0003)	0.0008	0.6559	0.4116	55.5463	222.7316	279.3446
65 mph	(0.0006)	(0.0001)	(0.0001)	0.0004	0.3699	0.2297	-	-	0.5992
70 mph	(0.0156)	(0.0012)	(0.0033)	0.0117	15.7935	8.9341	-	-	24.7191
total	(0.0324)	(0.0024)	(0.0072)	0.0226	23.7917	13.9662	93.0090	373.4521	504.1995

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.9738	2.1028	6.7525	10.3092	22.1383
15 mph	0.0046	0.0002	0.0017	0.0012	0.2366	0.1584	3.1912	13.2319	16.8259
25 mph	-	-	-	-	0.5708	0.3731	8.0748	31.6143	40.6329
35 mph	0.0078	0.0005	0.0020	0.0018	-	-	-	-	0.0121
total	0.0125	0.0007	0.0037	0.0029	3.7812	2.6343	18.0186	55.1553	79.6092

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.9738	2.1028	6.7525	10.3092	22.1383
10 mph	0.0010	0.0000	0.0004	0.0022	0.2943	0.1956	8.0046	35.7970	44.2951
15 mph	0.0048	0.0002	0.0018	0.0015	0.2930	0.1962	4.8042	19.9196	25.2212
20 mph	0.0004	0.0000	0.0001	0.0018	0.4551	0.2995	6.8582	24.5834	32.1985
25 mph	0.0023	0.0001	0.0007	0.0055	2.1567	1.4096	25.3594	99.2866	128.2209
30 mph	0.0017	0.0001	0.0005	0.0050	1.7323	1.1193	16.4386	64.5015	83.7989
35 mph	0.0079	0.0005	0.0021	0.0051	1.4342	0.9113	10.0948	41.7176	54.1735
40 mph	(0.0013)	(0.0001)	(0.0003)	0.0023	1.2675	0.7976	8.1958	34.1742	44.4357
45 mph	(0.0036)	(0.0003)	(0.0008)	0.0032	2.2236	1.3945	5.1152	21.6420	30.3738
50 mph	(0.0030)	(0.0002)	(0.0007)	0.0028	2.0392	1.2748	3.4089	13.8193	20.5411
55 mph	(0.0018)	(0.0001)	(0.0004)	0.0027	1.8283	1.1480	0.7957	3.2434	7.0158
60 mph	(0.0008)	(0.0001)	(0.0002)	0.0015	1.0070	0.6319	56.2238	225.4483	283.3114
65 mph	(0.0006)	(0.0001)	(0.0001)	0.0004	0.3699	0.2297	-	-	0.5992
70 mph	(0.0156)	(0.0012)	(0.0033)	0.0117	15.7935	8.9341	-	-	24.7191
total	(0.0086)	(0.0011)	(0.0002)	0.0457	33.8683	20.6450	152.0515	594.4419	801.0425

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.6388	0.6388
15 mph								0.1364	0.1364
20 mph								0.3216	0.3216
25 mph								1.1596	1.1596
30 mph								0.8416	0.8416
35 mph								0.3112	0.3112
40 mph								0.2555	0.2555
45 mph								0.3122	0.3122
50 mph								0.3669	0.3669
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	4.3437	4.3437

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.2511	0.2511
25 mph								0.4346	0.4346
30 mph								0.9857	0.9857
35 mph								1.0936	1.0936
40 mph								1.1971	1.1971
45 mph								0.8126	0.8126
50 mph								0.4689	0.4689
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.7650	2.7650

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.6731	0.6731
15 mph								0.2698	0.2698
25 mph								0.7447	0.7447
35 mph								-	-
total	-	-	-	-	-	-	-	1.6876	1.6876

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.6731	0.6731
10 mph								0.6388	0.6388
15 mph								0.4061	0.4061
20 mph								0.5727	0.5727
25 mph								2.3389	2.3389
30 mph								1.8273	1.8273
35 mph								1.4048	1.4048
40 mph								1.4526	1.4526
45 mph								1.1248	1.1248
50 mph								0.8358	0.8358
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	11.2748	11.2748

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.0854	2.1371	6.8406	10.9908	23.0538
10 mph	0.0515	0.0109	0.0391	0.1111	0.3765	0.2227	8.1270	36.4467	45.3854
15 mph	0.2783	0.0576	0.2091	0.0955	0.3771	0.2237	4.8968	20.3340	26.4721
20 mph	0.0249	0.0051	0.0186	0.1378	0.5765	0.3385	7.0092	25.1696	33.2803
25 mph	0.1640	0.0332	0.1215	0.4614	2.6887	1.5783	26.0033	101.6845	132.7349
30 mph	0.1195	0.0241	0.0882	0.4291	2.1173	1.2395	16.9454	66.3766	87.3397
35 mph	0.5596	0.1131	0.4117	0.4297	1.7188	0.9986	10.4877	43.1606	57.8799
40 mph	(0.0896)	(0.0182)	(0.0659)	0.1904	1.4977	0.8673	8.6110	35.6675	46.6602
45 mph	(0.2469)	(0.0505)	(0.1820)	0.2769	2.6049	1.5088	5.4407	22.7992	32.1511
50 mph	(0.2025)	(0.0421)	(0.1499)	0.2419	2.3706	1.3727	3.6577	14.6800	21.9284
55 mph	(0.1228)	(0.0261)	(0.0919)	0.2382	2.1274	1.2355	0.8533	3.2492	7.4628
60 mph	(0.0572)	(0.0124)	(0.0432)	0.1402	1.1751	0.6811	59.7107	225.7973	287.3915
65 mph	(0.0458)	(0.0103)	(0.0350)	0.0387	0.4278	0.2465	-	-	0.6220
70 mph	(1.1009)	(0.2745)	(0.8411)	0.9725	17.3191	9.3319	-	-	25.4070
STREX	0.3496	0.0355	0.1850	0.8561	0.5187	0.1627	6.3331	13.2007	21.6414
total	(0.3182)	(0.1547)	(0.3360)	4.6194	38.9817	22.1450	164.9164	619.5567	**849.4104**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1549	0.2079	0.2189	0.2670	0.4622	0.4756	0.3376	0.3511
Diesel	-	-	-	-	-	-	2.1489	2.4467
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3496	0.0355	0.1850	0.8561	0.5187	0.1627	0.1884	0.0014
Diesel	-	-	-	-	-	-	6.1447	13.1993
Electric/NG	-	-	-	-	-	-	-	-
Total	0.3496	0.0355	0.1850	0.8561	0.5187	0.1627	6.3331	13.2007

World Logistics Center
Mobile Emissions - 2025 Phase 1 (Net) - Unmitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					154.3729	154.6577	386.3347	279.6230
10 mph	0.9146	1.6748	1.2664	1.4074	1.0604	0.6823	1.4088	50.6029
15 mph	0.8340	1.4991	1.1478	1.2724	0.8610	0.5912	1.2762	45.2947
20 mph	0.7628	1.3573	1.0468	1.1585	0.7390	0.5243	1.1725	41.1197
25 mph	0.6980	1.2306	0.9544	1.0559	0.6395	0.4658	1.0556	37.3867
30 mph	0.6403	1.1230	0.8732	0.9668	0.5689	0.4189	0.9501	34.1779
35 mph	0.5892	1.0327	0.8021	0.8898	0.5224	0.3830	0.8646	31.4685
40 mph	0.5464	0.9581	0.7436	0.8255	0.4945	0.3581	0.8057	29.2695
45 mph	0.5095	0.8945	0.6936	0.7706	0.4788	0.3385	0.7447	27.3107
50 mph	0.4752	0.8415	0.6473	0.7214	0.4757	0.3230	0.6990	25.6452
55 mph	0.4424	0.7916	0.6045	0.6756	0.4928	0.3175	0.6674	24.3124
60 mph	0.4064	0.7360	0.5568	0.6254	0.5234	0.3174	0.6362	23.1611
65 mph	0.3755	0.6929	0.5166	0.5835	0.5937	0.3325		
70 mph	0.3612	0.7258	0.4982	0.5718	0.5983	0.2815		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	20.1449	34.5882
10 mph	2.2643	2.6450	1.7955	2.4140	2.1624	2.1973	0.4840	1.3133
15 mph	1.1172	1.7608	0.8798	1.1798	1.1225	1.1333	0.2632	0.7325
20 mph	0.4488	1.2241	0.3451	0.4653	0.5336	0.5295	0.1761	0.4514
25 mph	0.2761	0.9761	0.2086	0.2836	0.3629	0.3566	0.1347	0.3651
30 mph	0.2112	0.8396	0.1582	0.2167	0.2962	0.2888	0.1035	0.2810
35 mph	0.1702	0.7619	0.1263	0.1748	0.2594	0.2500	0.0782	0.2106
40 mph	0.1428	0.7296	0.1047	0.1456	0.2374	0.2264	0.0588	0.1593
45 mph	0.1238	0.7359	0.0893	0.1247	0.2256	0.2133	0.0452	0.1231
50 mph	0.1108	0.7825	0.0781	0.1100	0.2274	0.2130	0.0376	0.1023
55 mph	0.1017	0.8795	0.0697	0.0990	0.2356	0.2194	0.0359	0.0987
60 mph	0.1010	1.0382	0.0669	0.0959	0.2602	0.2405	0.0399	0.1092
65 mph	0.1063	1.2915	0.0684	0.1000	0.3321	0.3025		
70 mph	0.1114	1.5070	0.0709	0.1101	0.6139	0.5130		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								32.7471
10 mph								34.5971
15 mph								24.3573
20 mph								17.6151
25 mph								12.9129
30 mph								9.5213
35 mph								7.0220
40 mph								5.1804
45 mph								3.8236
50 mph								2.8242
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	1.0625	0.1472	0.5508	1.3943	0.4399	0.0863	0.4357	0.1119	4.2285
15 mph	0.2153	0.0293	0.1109	0.2801	0.0794	0.0166	0.1128	0.0286	0.8730
20 mph	1.1815	0.1590	0.6070	1.5303	0.4088	0.0884	0.3108	0.0779	4.3637
25 mph	4.5047	0.6008	2.3059	5.8116	1.4740	0.3273	1.1660	0.2952	16.4854
30 mph	3.9670	0.5264	2.0254	5.1085	1.2587	0.2826	0.8396	0.2159	14.2240
35 mph	2.1295	0.2824	1.0853	2.7425	0.6742	0.1507	0.3056	0.0795	7.4496
40 mph	0.8462	0.1123	0.4312	1.0905	0.2736	0.0604	0.2492	0.0647	3.1281
45 mph	0.5261	0.0699	0.2681	0.6786	0.1766	0.0381	0.2961	0.0776	2.1311
50 mph	0.4907	0.0657	0.2502	0.6353	0.1754	0.0363	0.3397	0.0891	2.0824
55 mph	0.7993	0.1082	0.4089	1.0411	0.3180	0.0625	0.0295	0.0077	2.7753
60 mph	0.4721	0.0647	0.2421	0.6196	0.2172	0.0401	0.1124	0.0293	1.7975
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	16.1949	2.1658	8.2858	20.9323	5.4958	1.1893	4.1975	1.0773	59.5388

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.6357)	(0.0856)	(0.3266)	0.3136	0.1432	0.0310	0.2427	0.0608	(0.2566)
25 mph	(0.8726)	(0.1164)	(0.4466)	0.4288	0.1859	0.0413	0.4370	0.1106	(0.2321)
30 mph	(1.3341)	(0.1770)	(0.6811)	0.6543	0.2755	0.0619	0.9833	0.2528	0.0357
35 mph	(1.9642)	(0.2604)	(1.0010)	0.9635	0.4048	0.0905	1.0739	0.2794	(0.4136)
40 mph	(2.7320)	(0.3625)	(1.3921)	1.3409	0.5749	0.1269	1.1675	0.3032	(0.9731)
45 mph	(5.5204)	(0.7332)	(2.8132)	2.7119	1.2060	0.2599	0.7707	0.2020	(3.9162)
50 mph	(4.3561)	(0.5836)	(2.2215)	2.1482	1.0138	0.2099	0.4341	0.1138	(3.2414)
55 mph	(2.9492)	(0.3993)	(1.5088)	1.4631	0.7638	0.1500	0.1382	0.0360	(2.3062)
60 mph	(1.3548)	(0.1856)	(0.6949)	0.6772	0.4057	0.0750	9.2184	2.3988	10.5398
65 mph	(0.6259)	(0.0874)	(0.3224)	0.3159	0.2300	0.0393	-	-	(0.4504)
70 mph	(14.1469)	(2.1509)	(7.3063)	7.2746	5.4484	0.7815	-	-	(10.0995)
total	(36.4917)	(5.1417)	(18.7145)	18.2920	10.6520	1.8671	14.4658	3.7575	(11.3135)

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	11.9083	3.6370	14.1733	0.0858	29.8044
15 mph	5.7453	0.7813	2.9601	0.9694	0.3334	0.0698	0.2231	0.0566	11.1390
25 mph	-	-	-	-	0.5974	0.1327	0.7489	0.1896	1.6685
35 mph	11.9472	1.5841	6.0889	1.9503	-	-	-	-	21.5706
total	17.6926	2.3654	9.0490	2.9197	12.8390	3.8394	15.1454	0.3320	64.1825

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	11.9083	3.6370	14.1733	0.0858	29.8044
10 mph	1.0625	0.1472	0.5508	1.3943	0.4399	0.0863	0.4357	0.1119	4.2285
15 mph	5.9606	0.8105	3.0710	1.2495	0.4127	0.0864	0.3359	0.0852	12.0120
20 mph	0.5458	0.0735	0.2804	1.8439	0.5520	0.1194	0.5536	0.1388	4.1072
25 mph	3.6321	0.4844	1.8592	6.2403	2.2572	0.5013	2.3519	0.5954	17.9219
30 mph	2.6329	0.3494	1.3443	5.7628	1.5343	0.3444	1.8229	0.4687	14.2597
35 mph	12.1125	1.6061	6.1731	5.6563	1.0791	0.2412	1.3795	0.3589	28.6066
40 mph	(1.8857)	(0.2502)	(0.9609)	2.4314	0.8485	0.1873	1.4168	0.3679	2.1550
45 mph	(4.9942)	(0.6633)	(2.5451)	3.3905	1.3826	0.2980	1.0669	0.2797	(1.7851)
50 mph	(3.8654)	(0.5178)	(1.9713)	2.7834	1.1893	0.2462	0.7738	0.2029	(1.1590)
55 mph	(2.1499)	(0.2911)	(1.0998)	2.5042	1.0818	0.2125	0.1676	0.0437	0.4691
60 mph	(0.8827)	(0.1209)	(0.4527)	1.2969	0.6228	0.1151	9.3308	2.4281	12.3374
65 mph	(0.6259)	(0.0874)	(0.3224)	0.3159	0.2300	0.0393	-	-	(0.4504)
70 mph	(14.1469)	(2.1509)	(7.3063)	7.2746	5.4484	0.7815	-	-	(10.0995)
total	(2.6042)	(0.6105)	(1.3796)	42.1440	28.9868	6.8958	33.8087	5.1669	112.4078

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0265	0.0001	0.0060	0.0613	0.7089	0.5067	0.7671	3.9264	6.0031
15 mph	0.0029	0.0000	0.0007	0.0067	0.0818	0.0581	0.1192	0.6257	0.8950
20 mph	0.0070	0.0001	0.0015	0.0158	0.2333	0.1628	0.2392	1.1569	1.8165
25 mph	0.0180	0.0002	0.0039	0.0400	0.6609	0.4569	0.7624	3.8980	5.8402
30 mph	0.0132	0.0002	0.0028	0.0294	0.5178	0.3552	0.4687	2.4002	3.7874
35 mph	0.0062	0.0001	0.0013	0.0138	0.2646	0.1794	0.1417	0.7195	1.3266
40 mph	0.0022	0.0000	0.0005	0.0049	0.1038	0.0696	0.0932	0.4762	0.7504
45 mph	0.0013	0.0000	0.0003	0.0028	0.0657	0.0437	0.0921	0.4731	0.6791
50 mph	0.0012	0.0000	0.0002	0.0025	0.0663	0.0437	0.0937	0.4806	0.6881
55 mph	0.0019	0.0000	0.0004	0.0039	0.1201	0.0787	0.0081	0.0422	0.2553
60 mph	0.0012	0.0000	0.0002	0.0024	0.0853	0.0555	0.0362	0.1866	0.3674
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0816	0.0008	0.0178	0.1836	2.9084	2.0102	2.8213	14.3854	22.4090

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0038)	(0.0000)	(0.0008)	0.0032	0.0817	0.0570	0.1867	0.9033	1.2274
25 mph	(0.0035)	(0.0000)	(0.0008)	0.0030	0.0833	0.0576	0.2857	1.4610	1.8863
30 mph	(0.0044)	(0.0001)	(0.0009)	0.0038	0.1134	0.0778	0.5489	2.8112	3.5495
35 mph	(0.0057)	(0.0001)	(0.0012)	0.0049	0.1589	0.1077	0.4977	2.5282	3.2903
40 mph	(0.0072)	(0.0001)	(0.0015)	0.0061	0.2180	0.1463	0.4365	2.2310	3.0290
45 mph	(0.0135)	(0.0002)	(0.0028)	0.0113	0.4489	0.2986	0.2398	1.2314	2.2134
50 mph	(0.0102)	(0.0002)	(0.0021)	0.0084	0.3829	0.2523	0.1197	0.6141	1.3649
55 mph	(0.0068)	(0.0002)	(0.0013)	0.0055	0.2885	0.1890	0.0380	0.1976	0.7103
60 mph	(0.0034)	(0.0001)	(0.0006)	0.0027	0.1593	0.1036	2.9655	15.2948	18.5217
65 mph	(0.0018)	(0.0001)	(0.0003)	0.0014	0.1017	0.0652	-	-	0.1661
70 mph	(0.0440)	(0.0018)	(0.0080)	0.0359	4.4173	2.5966	-	-	6.9959
total	(0.1045)	(0.0029)	(0.0204)	0.0860	6.4540	3.9516	5.3186	27.2726	42.9549

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.6031	1.1277	3.7867	12.2664	18.7838
15 mph	0.0777	0.0004	0.0175	0.0231	0.3434	0.2439	0.2358	1.2381	2.1797
25 mph	-	-	-	-	0.2678	0.1852	0.4896	2.5036	3.4462
35 mph	0.0348	0.0005	0.0074	0.0098	-	-	-	-	0.0525
total	0.1125	0.0008	0.0248	0.0329	2.2144	1.5567	4.5121	16.0080	24.4622

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.6031	1.1277	3.7867	12.2664	18.7838
10 mph	0.0265	0.0001	0.0060	0.0613	0.7089	0.5067	0.7671	3.9264	6.0031
15 mph	0.0806	0.0004	0.0181	0.0297	0.4252	0.3020	0.3549	1.8638	3.0747
20 mph	0.0032	0.0000	0.0007	0.0190	0.3150	0.2198	0.4259	2.0602	3.0438
25 mph	0.0145	0.0002	0.0031	0.0430	1.0120	0.6997	1.5377	7.8626	11.1728
30 mph	0.0088	0.0001	0.0019	0.0331	0.6312	0.4330	1.0176	5.2113	7.3370
35 mph	0.0353	0.0005	0.0075	0.0285	0.4235	0.2871	0.6394	3.2477	4.6694
40 mph	(0.0050)	(0.0001)	(0.0010)	0.0110	0.3218	0.2159	0.5296	2.7072	3.7794
45 mph	(0.0122)	(0.0002)	(0.0025)	0.0141	0.5146	0.3423	0.3320	1.7045	2.8925
50 mph	(0.0091)	(0.0002)	(0.0018)	0.0109	0.4492	0.2959	0.2133	1.0948	2.0530
55 mph	(0.0050)	(0.0001)	(0.0010)	0.0094	0.4087	0.2677	0.0461	0.2397	0.9656
60 mph	(0.0022)	(0.0001)	(0.0004)	0.0051	0.2446	0.1591	3.0016	15.4814	18.8891
65 mph	(0.0018)	(0.0001)	(0.0003)	0.0014	0.1017	0.0652	-	-	0.1661
70 mph	(0.0440)	(0.0018)	(0.0080)	0.0359	4.4173	2.5966	-	-	6.9959
total	0.0896	(0.0013)	0.0222	0.3025	11.5768	7.5185	12.6520	57.6659	89.8261

CO Emissions (pounds/day) - Electricity/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								5.7473	5.7473
15 mph								1.1561	1.1561
20 mph								2.5082	2.5082
25 mph								7.6610	7.6610
30 mph								4.5191	4.5191
35 mph								1.3331	1.3331
40 mph								0.8606	0.8606
45 mph								0.8167	0.8167
50 mph								0.7373	0.7373
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	25.3392	25.3392

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1.9585	1.9585
25 mph								2.8713	2.8713
30 mph								5.2930	5.2930
35 mph								4.6843	4.6843
40 mph								4.0317	4.0317
45 mph								2.1256	2.1256
50 mph								0.9420	0.9420
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	14.8071	14.8071

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.6453	0.6453
15 mph								2.2873	2.2873
25 mph								4.9204	4.9204
35 mph								-	-
total	-	-	-	-	-	-	-	7.8529	7.8529

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.6453	0.6453
10 mph								5.7473	5.7473
15 mph								3.4434	3.4434
20 mph								4.4667	4.4667
25 mph								15.4527	15.4527
30 mph								9.8120	9.8120
35 mph								6.0174	6.0174
40 mph								4.8923	4.8923
45 mph								2.9422	2.9422
50 mph								1.6793	1.6793
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	55.0985	55.0985

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	13.5114	4.7647	17.9600	12.9974	49.2335
10 mph	1.0890	0.1473	0.5568	1.4556	1.1488	0.5930	1.2028	9.7855	15.9789
15 mph	6.0412	0.8109	3.0892	1.2792	0.8379	0.3883	0.6908	5.3924	18.5300
20 mph	0.5490	0.0735	0.2811	1.8629	0.8669	0.3392	0.9795	6.6656	11.6177
25 mph	3.6466	0.4846	1.8623	6.2833	3.2692	1.2009	3.8897	23.9107	44.5474
30 mph	2.6417	0.3495	1.3462	5.7960	2.1654	0.7774	2.8405	15.4921	31.4087
35 mph	12.1478	1.6065	6.1806	5.6848	1.5025	0.5283	2.0188	9.6240	39.2934
40 mph	(1.8907)	(0.2503)	(0.9619)	2.4424	1.1703	0.4032	1.9464	7.9674	10.8267
45 mph	(5.0065)	(0.6635)	(2.5476)	3.4045	1.8972	0.6403	1.3988	4.9264	4.0497
50 mph	(3.8745)	(0.5180)	(1.9731)	2.7943	1.6385	0.5421	0.9871	2.9770	2.5733
55 mph	(2.1549)	(0.2912)	(1.1008)	2.5136	1.4905	0.4802	0.2138	0.2834	1.4347
60 mph	(0.8849)	(0.1210)	(0.4531)	1.3020	0.8674	0.2742	12.3324	17.9095	31.2265
65 mph	(0.6276)	(0.0874)	(0.3227)	0.3173	0.3317	0.1044	-	-	(0.2843)
70 mph	(14.1909)	(2.1527)	(7.3143)	7.3106	9.8657	3.3780	-	-	(3.1035)
STREX	4.3834	0.3508	2.0558	8.7350	1.7927	0.5311	2.1127	0.0213	19.9827
total	1.8687	(0.2610)	0.6984	51.1815	42.3562	14.9454	48.5734	117.9526	**277.3152**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.9421	2.0546	2.4329	2.7243	1.5973	1.5521	3.7857	5.3327
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	4.3834	0.3508	2.0558	8.7350	1.7927	0.5311	2.1127	0.0213
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	4.3834	0.3508	2.0558	8.7350	1.7927	0.5311	2.1127	0.0213

World Logistics Center
Mobile Emissions - 2025 Phase 1 (Net) - Unmitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0552	0.0552	0.1397	0.2211
10 mph	0.0046	0.0054	0.0057	0.0070	0.0146	0.0168	0.0302	0.0360
15 mph	0.0038	0.0044	0.0046	0.0057	0.0119	0.0137	0.0247	0.0295
20 mph	0.0032	0.0037	0.0038	0.0048	0.0099	0.0114	0.0205	0.0246
25 mph	0.0027	0.0031	0.0033	0.0041	0.0085	0.0097	0.0175	0.0211
30 mph	0.0024	0.0028	0.0029	0.0036	0.0075	0.0086	0.0156	0.0187
35 mph	0.0022	0.0026	0.0027	0.0034	0.0070	0.0080	0.0145	0.0173
40 mph	0.0022	0.0025	0.0026	0.0033	0.0067	0.0078	0.0140	0.0167
45 mph	0.0022	0.0025	0.0026	0.0033	0.0068	0.0078	0.0141	0.0167
50 mph	0.0022	0.0026	0.0027	0.0034	0.0070	0.0080	0.0145	0.0172
55 mph	0.0023	0.0027	0.0028	0.0035	0.0073	0.0083	0.0150	0.0179
60 mph	0.0024	0.0028	0.0029	0.0036	0.0075	0.0087	0.0156	0.0186
65 mph	0.0024	0.0029	0.0030	0.0037	0.0078	0.0089		
70 mph	0.0025	0.0029	0.0030	0.0038	0.0079	0.0090		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0347	0.0558	0.0577	0.0531
10 mph	0.0037	0.0081	0.0050	0.0062	0.0090	0.0100	0.0176	0.0292
15 mph	0.0030	0.0068	0.0041	0.0053	0.0058	0.0066	0.0138	0.0213
20 mph	0.0025	0.0056	0.0034	0.0044	0.0050	0.0057	0.0118	0.0176
25 mph	0.0021	0.0046	0.0028	0.0037	0.0044	0.0051	0.0103	0.0151
30 mph	0.0018	0.0040	0.0025	0.0032	0.0040	0.0046	0.0091	0.0132
35 mph	0.0016	0.0036	0.0022	0.0029	0.0040	0.0046	0.0081	0.0121
40 mph	0.0015	0.0033	0.0021	0.0027	0.0039	0.0044	0.0074	0.0110
45 mph	0.0015	0.0032	0.0020	0.0026	0.0038	0.0043	0.0070	0.0104
50 mph	0.0015	0.0032	0.0020	0.0026	0.0040	0.0044	0.0069	0.0101
55 mph	0.0016	0.0034	0.0021	0.0028	0.0042	0.0046	0.0071	0.0104
60 mph	0.0017	0.0037	0.0023	0.0030	0.0042	0.0046	0.0076	0.0110
65 mph	0.0019	0.0041	0.0025	0.0034	0.0043	0.0046		
70 mph	0.0021	0.0042	0.0027	0.0037	0.0044	0.0047		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0054	0.0005	0.0025	0.0069	0.0060	0.0021	0.0093	0.0001	0.0329
15 mph	0.0010	0.0001	0.0004	0.0013	0.0011	0.0004	0.0022	0.0000	0.0065
20 mph	0.0049	0.0004	0.0022	0.0063	0.0055	0.0019	0.0054	0.0000	0.0267
25 mph	0.0174	0.0015	0.0080	0.0224	0.0195	0.0068	0.0194	0.0002	0.0952
30 mph	0.0148	0.0013	0.0068	0.0191	0.0166	0.0058	0.0138	0.0001	0.0784
35 mph	0.0080	0.0007	0.0037	0.0104	0.0090	0.0031	0.0051	0.0000	0.0401
40 mph	0.0033	0.0003	0.0015	0.0043	0.0037	0.0013	0.0043	0.0000	0.0189
45 mph	0.0022	0.0002	0.0010	0.0029	0.0025	0.0009	0.0056	0.0000	0.0153
50 mph	0.0023	0.0002	0.0011	0.0030	0.0026	0.0009	0.0070	0.0001	0.0171
55 mph	0.0042	0.0004	0.0019	0.0054	0.0047	0.0016	0.0007	0.0000	0.0189
60 mph	0.0028	0.0002	0.0013	0.0036	0.0031	0.0011	0.0028	0.0000	0.0149
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0663	0.0059	0.0303	0.0856	0.0743	0.0260	0.0756	0.0006	0.3647

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0026)	(0.0002)	(0.0012)	0.0013	0.0019	0.0007	0.0042	0.0000	0.0041
25 mph	(0.0034)	(0.0003)	(0.0015)	0.0017	0.0025	0.0009	0.0073	0.0001	0.0071
30 mph	(0.0050)	(0.0004)	(0.0023)	0.0024	0.0036	0.0013	0.0161	0.0001	0.0159
35 mph	(0.0074)	(0.0007)	(0.0034)	0.0036	0.0054	0.0019	0.0180	0.0002	0.0176
40 mph	(0.0108)	(0.0010)	(0.0049)	0.0053	0.0078	0.0027	0.0203	0.0002	0.0197
45 mph	(0.0234)	(0.0021)	(0.0107)	0.0115	0.0170	0.0060	0.0146	0.0001	0.0130
50 mph	(0.0204)	(0.0018)	(0.0093)	0.0101	0.0148	0.0052	0.0090	0.0001	0.0076
55 mph	(0.0154)	(0.0014)	(0.0071)	0.0076	0.0112	0.0039	0.0031	0.0000	0.0021
60 mph	(0.0080)	(0.0007)	(0.0036)	0.0039	0.0058	0.0020	0.2265	0.0019	0.2280
65 mph	(0.0041)	(0.0004)	(0.0019)	0.0020	0.0030	0.0011	-	-	(0.0002)
70 mph	(0.0968)	(0.0086)	(0.0443)	0.0488	0.0719	0.0251	-	-	(0.0039)
total	(0.1972)	(0.0175)	(0.0903)	0.0983	0.1451	0.0507	0.3191	0.0027	0.3109

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0043	0.0013	0.0051	0.0001	0.0107
15 mph	0.0261	0.0023	0.0119	0.0044	0.0046	0.0016	0.0043	0.0000	0.0553
25 mph	-	-	-	-	0.0079	0.0028	0.0124	0.0001	0.0232
35 mph	0.0450	0.0040	0.0206	0.0074	-	-	-	-	0.0770
total	0.0712	0.0063	0.0325	0.0117	0.0168	0.0057	0.0219	0.0002	0.1662

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0043	0.0013	0.0051	0.0001	0.0107
10 mph	0.0054	0.0005	0.0025	0.0069	0.0060	0.0021	0.0093	0.0001	0.0329
15 mph	0.0271	0.0024	0.0124	0.0056	0.0057	0.0020	0.0065	0.0001	0.0618
20 mph	0.0023	0.0002	0.0010	0.0076	0.0074	0.0026	0.0097	0.0001	0.0308
25 mph	0.0140	0.0012	0.0064	0.0241	0.0298	0.0105	0.0391	0.0003	0.1255
30 mph	0.0098	0.0009	0.0045	0.0216	0.0202	0.0071	0.0299	0.0003	0.0943
35 mph	0.0456	0.0040	0.0209	0.0214	0.0144	0.0050	0.0231	0.0002	0.1347
40 mph	(0.0074)	(0.0007)	(0.0034)	0.0096	0.0116	0.0041	0.0246	0.0002	0.0386
45 mph	(0.0212)	(0.0019)	(0.0097)	0.0144	0.0195	0.0068	0.0201	0.0002	0.0283
50 mph	(0.0181)	(0.0016)	(0.0083)	0.0130	0.0174	0.0061	0.0160	0.0001	0.0247
55 mph	(0.0112)	(0.0010)	(0.0051)	0.0130	0.0159	0.0056	0.0038	0.0000	0.0209
60 mph	(0.0052)	(0.0005)	(0.0024)	0.0075	0.0090	0.0031	0.2293	0.0019	0.2429
65 mph	(0.0041)	(0.0004)	(0.0019)	0.0020	0.0030	0.0011	-	-	(0.0002)
70 mph	(0.0968)	(0.0086)	(0.0443)	0.0488	0.0719	0.0251	-	-	(0.0039)
total	(0.0597)	(0.0053)	(0.0274)	0.1955	0.2362	0.0825	0.4166	0.0036	0.8419

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0002	0.0029	0.0023	0.0279	0.0873	0.1206
15 mph	0.0000	0.0000	0.0000	0.0000	0.0004	0.0003	0.0063	0.0182	0.0253
20 mph	0.0000	0.0000	0.0000	0.0001	0.0022	0.0017	0.0161	0.0451	0.0653
25 mph	0.0001	0.0000	0.0001	0.0005	0.0080	0.0065	0.0584	0.1610	0.2347
30 mph	0.0001	0.0000	0.0000	0.0004	0.0070	0.0056	0.0410	0.1129	0.1671
35 mph	0.0001	0.0000	0.0000	0.0002	0.0041	0.0033	0.0147	0.0412	0.0636
40 mph	0.0000	0.0000	0.0000	0.0001	0.0017	0.0014	0.0118	0.0329	0.0478
45 mph	0.0000	0.0000	0.0000	0.0001	0.0011	0.0009	0.0143	0.0399	0.0563
50 mph	0.0000	0.0000	0.0000	0.0001	0.0012	0.0009	0.0173	0.0472	0.0667
55 mph	0.0000	0.0000	0.0000	0.0001	0.0021	0.0016	0.0016	0.0044	0.0100
60 mph	0.0000	0.0000	0.0000	0.0001	0.0014	0.0011	0.0069	0.0188	0.0283
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0005	0.0000	0.0002	0.0019	0.0322	0.0256	0.2161	0.6090	0.8856

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0008	0.0006	0.0125	0.0352	0.0492
25 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0010	0.0008	0.0219	0.0604	0.0841
30 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0015	0.0012	0.0480	0.1322	0.1830
35 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0025	0.0020	0.0515	0.1449	0.2008
40 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0036	0.0029	0.0551	0.1540	0.2156
45 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0076	0.0060	0.0373	0.1039	0.1547
50 mph	(0.0001)	(0.0000)	(0.0001)	0.0002	0.0068	0.0052	0.0221	0.0603	0.0944
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0002	0.0051	0.0039	0.0076	0.0208	0.0374
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0026	0.0020	0.5655	1.5427	2.1128
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0013	0.0010	-	-	0.0023
70 mph	(0.0008)	(0.0000)	(0.0003)	0.0012	0.0318	0.0239	-	-	0.0558
total	(0.0015)	(0.0000)	(0.0006)	0.0023	0.0646	0.0495	0.8214	2.2544	3.1901

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0021	0.0024	0.0109	0.0188	0.0342
15 mph	0.0002	0.0000	0.0001	0.0001	0.0018	0.0014	0.0124	0.0361	0.0521
25 mph	-	-	-	-	0.0033	0.0026	0.0375	0.1034	0.1468
35 mph	0.0003	0.0000	0.0001	0.0002	-	-	-	-	0.0006
total	0.0005	0.0000	0.0002	0.0003	0.0072	0.0065	0.0608	0.1583	0.2337

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0021	0.0024	0.0109	0.0188	0.0342
10 mph	0.0000	0.0000	0.0000	0.0002	0.0029	0.0023	0.0279	0.0873	0.1206
15 mph	0.0002	0.0000	0.0001	0.0001	0.0022	0.0018	0.0187	0.0543	0.0774
20 mph	0.0000	0.0000	0.0000	0.0002	0.0029	0.0024	0.0286	0.0804	0.1145
25 mph	0.0001	0.0000	0.0000	0.0006	0.0123	0.0099	0.1178	0.3248	0.4656
30 mph	0.0001	0.0000	0.0000	0.0005	0.0086	0.0069	0.0891	0.2450	0.3501
35 mph	0.0003	0.0000	0.0001	0.0005	0.0066	0.0053	0.0662	0.1861	0.2650
40 mph	(0.0001)	(0.0000)	(0.0000)	0.0002	0.0053	0.0042	0.0668	0.1869	0.2634
45 mph	(0.0001)	(0.0000)	(0.0001)	0.0003	0.0087	0.0068	0.0516	0.1438	0.2110
50 mph	(0.0001)	(0.0000)	(0.0000)	0.0003	0.0079	0.0061	0.0393	0.1076	0.1611
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0003	0.0073	0.0056	0.0092	0.0252	0.0474
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0002	0.0040	0.0030	0.5724	1.5615	2.1410
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0013	0.0010	-	-	0.0023
70 mph	(0.0008)	(0.0000)	(0.0003)	0.0012	0.0318	0.0239	-	-	0.0558
total	(0.0005)	(0.0000)	(0.0002)	0.0044	0.1040	0.0816	1.0983	3.0218	4.3094

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	
45 mph								-	
50 mph								-	
55 mph								-	
60 mph								-	
65 mph								-	
70 mph								-	
total	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	
45 mph								-	
50 mph								-	
55 mph								-	
60 mph								-	
65 mph								-	
70 mph								-	
total	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
15 mph								-	-
25 mph								-	-
35 mph								-	-
total	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0064	0.0037	0.0160	0.0189	0.0449
10 mph	0.0054	0.0005	0.0025	0.0071	0.0090	0.0044	0.0372	0.0873	0.1535
15 mph	0.0273	0.0024	0.0125	0.0057	0.0079	0.0038	0.0252	0.0544	0.1391
20 mph	0.0023	0.0002	0.0010	0.0077	0.0103	0.0049	0.0383	0.0805	0.1452
25 mph	0.0141	0.0012	0.0065	0.0246	0.0421	0.0204	0.1569	0.3252	0.5911
30 mph	0.0099	0.0009	0.0045	0.0221	0.0288	0.0139	0.1190	0.2453	0.4444
35 mph	0.0460	0.0040	0.0210	0.0219	0.0209	0.0103	0.0892	0.1863	0.3997
40 mph	(0.0075)	(0.0007)	(0.0034)	0.0098	0.0169	0.0083	0.0914	0.1871	0.3020
45 mph	(0.0213)	(0.0019)	(0.0098)	0.0147	0.0283	0.0137	0.0717	0.1440	0.2394
50 mph	(0.0182)	(0.0016)	(0.0083)	0.0133	0.0253	0.0122	0.0553	0.1077	0.1857
55 mph	(0.0113)	(0.0010)	(0.0052)	0.0133	0.0232	0.0111	0.0130	0.0253	0.0683
60 mph	(0.0052)	(0.0005)	(0.0024)	0.0077	0.0130	0.0062	0.8017	1.5635	2.3839
65 mph	(0.0041)	(0.0004)	(0.0019)	0.0021	0.0043	0.0020	-	-	0.0021
70 mph	(0.0976)	(0.0086)	(0.0446)	0.0500	0.1037	0.0490	-	-	0.0519
STREX	0.0011	0.0001	0.0005	0.0025	0.0002	0.0001	0.0002	0.0000	0.0047
total	(0.0591)	(0.0052)	(0.0270)	0.2025	0.3403	0.1641	1.5151	3.0254	**5.1560**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0005	0.0006	0.0006	0.0008	0.0002	0.0002	0.0004	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0011	0.0001	0.0005	0.0025	0.0002	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0011	0.0001	0.0005	0.0025	0.0002	0.0001	0.0002	0.0000

World Logistics Center
Mobile Emissions - 2025 Phase 1 (Net) - Unmitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0387	0.0357	0.0337	0.0380
10 mph	0.0055	0.0073	0.0058	0.0059	0.0049	0.0045	0.0043	0.0049
15 mph	0.0037	0.0049	0.0039	0.0039	0.0033	0.0030	0.0029	0.0032
20 mph	0.0026	0.0035	0.0027	0.0028	0.0023	0.0021	0.0020	0.0023
25 mph	0.0019	0.0026	0.0020	0.0020	0.0017	0.0016	0.0015	0.0017
30 mph	0.0015	0.0020	0.0016	0.0016	0.0013	0.0012	0.0012	0.0013
35 mph	0.0012	0.0016	0.0013	0.0013	0.0011	0.0010	0.0009	0.0011
40 mph	0.0011	0.0014	0.0011	0.0011	0.0010	0.0009	0.0008	0.0010
45 mph	0.0010	0.0013	0.0010	0.0010	0.0009	0.0008	0.0007	0.0009
50 mph	0.0009	0.0013	0.0010	0.0010	0.0009	0.0008	0.0007	0.0009
55 mph	0.0009	0.0013	0.0010	0.0010	0.0009	0.0008	0.0007	0.0009
60 mph	0.0010	0.0014	0.0011	0.0011	0.0009	0.0008	0.0008	0.0009
65 mph	0.0012	0.0015	0.0012	0.0011	0.0011	0.0010		
70 mph	0.0013	0.0017	0.0013	0.0013	0.0011	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7944	0.8096	0.0262	0.0141
10 mph	0.0119	0.3054	0.0096	0.0081	0.0291	0.0345	0.0050	0.0133
15 mph	0.0096	0.2213	0.0081	0.0067	0.0219	0.0270	0.0039	0.0098
20 mph	0.0076	0.1693	0.0068	0.0055	0.0180	0.0223	0.0032	0.0068
25 mph	0.0062	0.1355	0.0058	0.0046	0.0149	0.0186	0.0030	0.0073
30 mph	0.0052	0.1138	0.0051	0.0040	0.0131	0.0163	0.0032	0.0078
35 mph	0.0046	0.1002	0.0046	0.0036	0.0119	0.0147	0.0037	0.0092
40 mph	0.0041	0.0918	0.0042	0.0033	0.0111	0.0136	0.0047	0.0115
45 mph	0.0039	0.0876	0.0039	0.0031	0.0105	0.0128	0.0060	0.0147
50 mph	0.0038	0.0879	0.0037	0.0030	0.0102	0.0123	0.0077	0.0187
55 mph	0.0038	0.0922	0.0035	0.0029	0.0100	0.0120	0.0097	0.0244
60 mph	0.0039	0.1007	0.0035	0.0029	0.0103	0.0122	0.0122	0.0300
65 mph	0.0041	0.1163	0.0036	0.0031	0.0116	0.0134		
70 mph	0.0042	0.1391	0.0037	0.0034	0.0181	0.0178		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0481
10 mph								0.0075
15 mph								0.0062
20 mph								0.0052
25 mph								0.0047
30 mph								0.0044
35 mph								0.0042
40 mph								0.0041
45 mph								0.0041
50 mph								0.0041
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0064	0.0006	0.0025	0.0058	0.0020	0.0006	0.0013	0.0000	0.0194
15 mph	0.0009	0.0001	0.0004	0.0009	0.0003	0.0001	0.0003	0.0000	0.0029
20 mph	0.0040	0.0004	0.0016	0.0036	0.0013	0.0004	0.0005	0.0000	0.0118
25 mph	0.0122	0.0013	0.0049	0.0112	0.0040	0.0011	0.0016	0.0000	0.0363
30 mph	0.0092	0.0009	0.0036	0.0084	0.0030	0.0008	0.0010	0.0000	0.0269
35 mph	0.0044	0.0005	0.0017	0.0040	0.0014	0.0004	0.0003	0.0000	0.0128
40 mph	0.0016	0.0002	0.0006	0.0015	0.0005	0.0001	0.0003	0.0000	0.0049
45 mph	0.0010	0.0001	0.0004	0.0009	0.0003	0.0001	0.0003	0.0000	0.0031
50 mph	0.0010	0.0001	0.0004	0.0009	0.0003	0.0001	0.0004	0.0000	0.0031
55 mph	0.0017	0.0002	0.0007	0.0016	0.0006	0.0002	0.0000	0.0000	0.0049
60 mph	0.0012	0.0001	0.0005	0.0011	0.0004	0.0001	0.0001	0.0000	0.0035
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0436	0.0044	0.0172	0.0399	0.0141	0.0039	0.0062	0.0001	0.1295

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0021)	(0.0002)	(0.0008)	0.0007	0.0004	0.0001	0.0004	0.0000	(0.0015)
25 mph	(0.0024)	(0.0002)	(0.0009)	0.0008	0.0005	0.0001	0.0006	0.0000	(0.0015)
30 mph	(0.0031)	(0.0003)	(0.0012)	0.0011	0.0007	0.0002	0.0012	0.0000	(0.0015)
35 mph	(0.0041)	(0.0004)	(0.0016)	0.0014	0.0009	0.0002	0.0012	0.0000	(0.0024)
40 mph	(0.0053)	(0.0005)	(0.0021)	0.0018	0.0011	0.0003	0.0012	0.0000	(0.0034)
45 mph	(0.0105)	(0.0011)	(0.0041)	0.0036	0.0022	0.0006	0.0008	0.0000	(0.0084)
50 mph	(0.0085)	(0.0009)	(0.0034)	0.0030	0.0018	0.0005	0.0004	0.0000	(0.0070)
55 mph	(0.0063)	(0.0006)	(0.0025)	0.0022	0.0014	0.0004	0.0002	0.0000	(0.0054)
60 mph	(0.0034)	(0.0003)	(0.0013)	0.0012	0.0007	0.0002	0.0116	0.0001	0.0087
65 mph	(0.0019)	(0.0002)	(0.0008)	0.0006	0.0004	0.0001	-	-	(0.0018)
70 mph	(0.0494)	(0.0050)	(0.0191)	0.0167	0.0104	0.0028	-	-	(0.0435)
total	(0.0970)	(0.0098)	(0.0379)	0.0332	0.0205	0.0056	0.0175	0.0001	(0.0677)

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0030	0.0008	0.0012	0.0000	0.0051
15 mph	0.0252	0.0025	0.0100	0.0030	0.0013	0.0004	0.0005	0.0000	0.0429
25 mph	-	-	-	-	0.0016	0.0004	0.0011	0.0000	0.0031
35 mph	0.0247	0.0025	0.0097	0.0029	-	-	-	-	0.0398
total	0.0499	0.0051	0.0197	0.0058	0.0059	0.0016	0.0028	0.0000	0.0909

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0030	0.0008	0.0012	0.0000	0.0051
10 mph	0.0064	0.0006	0.0025	0.0058	0.0020	0.0006	0.0013	0.0000	0.0194
15 mph	0.0261	0.0026	0.0104	0.0039	0.0016	0.0004	0.0008	0.0000	0.0458
20 mph	0.0018	0.0002	0.0007	0.0044	0.0017	0.0005	0.0010	0.0000	0.0103
25 mph	0.0099	0.0010	0.0039	0.0121	0.0061	0.0017	0.0033	0.0000	0.0379
30 mph	0.0061	0.0006	0.0024	0.0095	0.0036	0.0010	0.0022	0.0000	0.0254
35 mph	0.0250	0.0026	0.0099	0.0083	0.0023	0.0006	0.0015	0.0000	0.0502
40 mph	(0.0036)	(0.0004)	(0.0014)	0.0033	0.0017	0.0005	0.0014	0.0000	0.0014
45 mph	(0.0095)	(0.0010)	(0.0037)	0.0045	0.0026	0.0007	0.0011	0.0000	(0.0053)
50 mph	(0.0076)	(0.0008)	(0.0030)	0.0038	0.0021	0.0006	0.0008	0.0000	(0.0040)
55 mph	(0.0046)	(0.0005)	(0.0018)	0.0038	0.0019	0.0005	0.0002	0.0000	(0.0005)
60 mph	(0.0022)	(0.0002)	(0.0009)	0.0023	0.0011	0.0003	0.0117	0.0001	0.0122
65 mph	(0.0019)	(0.0002)	(0.0008)	0.0006	0.0004	0.0001	-	-	(0.0018)
70 mph	(0.0494)	(0.0050)	(0.0191)	0.0167	0.0104	0.0028	-	-	(0.0435)
total	(0.0035)	(0.0003)	(0.0009)	0.0789	0.0405	0.0112	0.0265	0.0002	0.1527

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0002	0.0096	0.0080	0.0079	0.0396	0.0654
15 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0014	0.0017	0.0084	0.0131
20 mph	0.0001	0.0000	0.0000	0.0002	0.0079	0.0069	0.0043	0.0173	0.0367
25 mph	0.0004	0.0000	0.0001	0.0007	0.0272	0.0239	0.0168	0.0784	0.1475
30 mph	0.0003	0.0000	0.0001	0.0005	0.0228	0.0200	0.0143	0.0665	0.1246
35 mph	0.0002	0.0000	0.0000	0.0003	0.0122	0.0106	0.0067	0.0313	0.0613
40 mph	0.0001	0.0000	0.0000	0.0001	0.0048	0.0042	0.0074	0.0343	0.0509
45 mph	0.0000	0.0000	0.0000	0.0001	0.0031	0.0026	0.0122	0.0566	0.0745
50 mph	0.0000	0.0000	0.0000	0.0001	0.0030	0.0025	0.0191	0.0881	0.1128
55 mph	0.0001	0.0000	0.0000	0.0001	0.0051	0.0043	0.0022	0.0104	0.0223
60 mph	0.0000	0.0000	0.0000	0.0001	0.0034	0.0028	0.0110	0.0513	0.0686
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0014	0.0001	0.0004	0.0024	0.1006	0.0871	0.1037	0.4821	0.7778

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0028	0.0024	0.0034	0.0135	0.0220
25 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0034	0.0030	0.0063	0.0294	0.0421
30 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0050	0.0044	0.0168	0.0779	0.1039
35 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0073	0.0063	0.0237	0.1100	0.1473
40 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0102	0.0088	0.0346	0.1606	0.2141
45 mph	(0.0004)	(0.0000)	(0.0001)	0.0003	0.0208	0.0179	0.0317	0.1473	0.2174
50 mph	(0.0004)	(0.0000)	(0.0001)	0.0002	0.0172	0.0146	0.0244	0.1125	0.1685
55 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0123	0.0104	0.0103	0.0488	0.0817
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0063	0.0053	0.9034	4.2027	5.1176
65 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0036	0.0029	-	-	0.0064
70 mph	(0.0016)	(0.0002)	(0.0004)	0.0011	0.1304	0.0903	-	-	0.2196
total	(0.0035)	(0.0003)	(0.0009)	0.0023	0.2193	0.1662	1.0546	4.9028	6.3405

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0484	0.0347	0.0049	0.0050	0.0930
15 mph	0.0007	0.0000	0.0002	0.0001	0.0067	0.0058	0.0035	0.0165	0.0335
25 mph	-	-	-	-	0.0110	0.0097	0.0108	0.0504	0.0819
35 mph	0.0009	0.0001	0.0003	0.0002	-	-	-	-	0.0015
total	0.0016	0.0001	0.0004	0.0003	0.0661	0.0502	0.0192	0.0719	0.2099

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0484	0.0347	0.0049	0.0050	0.0930
10 mph	0.0001	0.0000	0.0000	0.0002	0.0096	0.0080	0.0079	0.0396	0.0654
15 mph	0.0007	0.0000	0.0002	0.0002	0.0083	0.0072	0.0052	0.0249	0.0466
20 mph	0.0001	0.0000	0.0000	0.0002	0.0106	0.0093	0.0077	0.0308	0.0587
25 mph	0.0003	0.0000	0.0001	0.0007	0.0416	0.0365	0.0340	0.1582	0.2714
30 mph	0.0002	0.0000	0.0001	0.0006	0.0278	0.0244	0.0311	0.1443	0.2285
35 mph	0.0009	0.0001	0.0003	0.0006	0.0195	0.0169	0.0304	0.1414	0.2100
40 mph	(0.0001)	(0.0000)	(0.0000)	0.0003	0.0150	0.0130	0.0420	0.1949	0.2650
45 mph	(0.0004)	(0.0000)	(0.0001)	0.0004	0.0239	0.0205	0.0438	0.2039	0.2919
50 mph	(0.0003)	(0.0000)	(0.0001)	0.0003	0.0202	0.0171	0.0435	0.2006	0.2813
55 mph	(0.0002)	(0.0000)	(0.0000)	0.0003	0.0174	0.0147	0.0125	0.0593	0.1039
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0002	0.0097	0.0081	0.9145	4.2540	5.1862
65 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0036	0.0029	-	-	0.0064
70 mph	(0.0016)	(0.0002)	(0.0004)	0.0011	0.1304	0.0903	-	-	0.2196
total	(0.0005)	(0.0001)	(0.0001)	0.0050	0.3860	0.3035	1.1775	5.4568	7.3281

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0012	0.0012
15 mph								0.0003	0.0003
20 mph								0.0007	0.0007
25 mph								0.0028	0.0028
30 mph								0.0021	0.0021
35 mph								0.0008	0.0008
40 mph								0.0007	0.0007
45 mph								0.0009	0.0009
50 mph								0.0011	0.0011
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0106	0.0106

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0006	0.0006
25 mph								0.0010	0.0010
30 mph								0.0024	0.0024
35 mph								0.0028	0.0028
40 mph								0.0032	0.0032
45 mph								0.0023	0.0023
50 mph								0.0014	0.0014
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0069	0.0069

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
15 mph								0.0006	0.0006
25 mph								0.0018	0.0018
35 mph								-	-
total	-	-	-	-	-	-	-	0.0033	0.0033

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
10 mph								0.0012	0.0012
15 mph								0.0009	0.0009
20 mph								0.0013	0.0013
25 mph								0.0056	0.0056
30 mph								0.0045	0.0045
35 mph								0.0036	0.0036
40 mph								0.0038	0.0038
45 mph								0.0031	0.0031
50 mph								0.0025	0.0025
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0276	0.0276

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0514	0.0356	0.0062	0.0060	0.0991
10 mph	0.0065	0.0007	0.0026	0.0060	0.0116	0.0085	0.0092	0.0409	0.0860
15 mph	0.0268	0.0027	0.0105	0.0040	0.0099	0.0076	0.0059	0.0258	0.0933
20 mph	0.0019	0.0002	0.0007	0.0046	0.0124	0.0098	0.0086	0.0321	0.0703
25 mph	0.0102	0.0010	0.0040	0.0128	0.0477	0.0382	0.0373	0.1638	0.3150
30 mph	0.0063	0.0006	0.0025	0.0101	0.0315	0.0254	0.0333	0.1489	0.2585
35 mph	0.0260	0.0026	0.0101	0.0089	0.0218	0.0175	0.0319	0.1450	0.2638
40 mph	(0.0038)	(0.0004)	(0.0015)	0.0036	0.0167	0.0134	0.0434	0.1988	0.2702
45 mph	(0.0099)	(0.0010)	(0.0038)	0.0049	0.0264	0.0212	0.0449	0.2070	0.2897
50 mph	(0.0079)	(0.0008)	(0.0031)	0.0041	0.0223	0.0177	0.0443	0.2030	0.2797
55 mph	(0.0048)	(0.0005)	(0.0019)	0.0040	0.0193	0.0152	0.0127	0.0593	0.1034
60 mph	(0.0023)	(0.0002)	(0.0009)	0.0024	0.0108	0.0084	0.9262	4.2541	5.1984
65 mph	(0.0020)	(0.0002)	(0.0008)	0.0006	0.0040	0.0030	-	-	0.0046
70 mph	(0.0510)	(0.0051)	(0.0195)	0.0178	0.1408	0.0931	-	-	0.1761
STREX	0.0038	0.0004	0.0015	0.0057	0.0004	0.0001	0.0002	0.0000	0.0122
total	(0.0001)	(0.0000)	0.0004	0.0896	0.4269	0.3148	1.2042	5.4846	**7.5205**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0017	0.0022	0.0017	0.0018	0.0004	0.0003	0.0004	0.0006
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0038	0.0004	0.0015	0.0057	0.0004	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0038	0.0004	0.0015	0.0057	0.0004	0.0001	0.0002	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.1552	0.0874	0.4325	0.9852	0.7785	0.2731	0.6289	0.0026
Diesel	0.0117	0.0000	0.0033	0.0253	0.6443	0.5185	3.2224	4.1088
Electric/NG	0.0348	0.0012	0.0079	0.0166	-	-	-	0.2320
Total	1.2017	0.0887	0.4437	1.0271	1.4228	0.7916	3.8513	4.3433

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	(3.7294)	(0.2821)	(1.3962)	1.2114	1.6360	0.5740	2.9465	0.0121
Diesel	(0.0376)	(0.0001)	(0.0107)	0.0311	1.3540	1.0896	15.0970	19.2496
Electric/NG	(0.1125)	(0.0040)	(0.0255)	0.0205	-	-	-	1.0867
Total	(3.8795)	(0.2862)	(1.4325)	1.2629	2.9900	1.6636	18.0435	20.3484

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.2156	0.0920	0.4551	0.1322	0.1116	0.0391	0.1259	0.0005
Diesel	0.0123	0.0000	0.0035	0.0034	0.0923	0.0743	0.6449	0.8223
Electric/NG	0.0367	0.0013	0.0083	0.0022	-	-	-	0.0464
Total	1.2646	0.0933	0.4669	0.1378	0.2039	0.1135	0.7708	0.8693

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	(1.3586)	(0.1028)	(0.5086)	2.3288	2.5260	0.8863	3.7013	0.0152	7.4876
Diesel	(0.0137)	(0.0000)	(0.0039)	0.0597	2.0906	1.6824	18.9643	24.1807	46.9601
Electric/NG	(0.0410)	(0.0014)	(0.0093)	0.0393	-	-	-	1.3651	1.3527
Total	(1.4133)	(0.1043)	(0.5218)	2.4279	4.6167	2.5687	22.6656	25.5609	**55.8004**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	32.4376
Internal	40.4243
Total	**72.8618**

World Logistics Center
Mobile Emissions - 2025 Phase 1 (Net) - Unmitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0356	0.0329	0.0309	0.0349
10 mph	0.0051	0.0067	0.0053	0.0054	0.0045	0.0042	0.0040	0.0045
15 mph	0.0034	0.0045	0.0036	0.0036	0.0030	0.0028	0.0026	0.0030
20 mph	0.0024	0.0032	0.0025	0.0025	0.0021	0.0020	0.0019	0.0021
25 mph	0.0017	0.0024	0.0018	0.0019	0.0016	0.0014	0.0014	0.0016
30 mph	0.0014	0.0018	0.0014	0.0015	0.0012	0.0011	0.0011	0.0012
35 mph	0.0011	0.0015	0.0012	0.0012	0.0010	0.0009	0.0009	0.0010
40 mph	0.0010	0.0013	0.0010	0.0010	0.0009	0.0008	0.0008	0.0009
45 mph	0.0009	0.0012	0.0009	0.0010	0.0008	0.0007	0.0007	0.0008
50 mph	0.0009	0.0012	0.0009	0.0009	0.0008	0.0007	0.0007	0.0008
55 mph	0.0009	0.0012	0.0009	0.0009	0.0008	0.0007	0.0007	0.0008
60 mph	0.0009	0.0013	0.0010	0.0010	0.0009	0.0008	0.0007	0.0009
65 mph	0.0011	0.0014	0.0011	0.0011	0.0010	0.0009		
70 mph	0.0012	0.0015	0.0012	0.0012	0.0011	0.0009		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7600	0.7746	0.0251	0.0135
10 mph	0.0113	0.2922	0.0092	0.0078	0.0279	0.0330	0.0048	0.0127
15 mph	0.0092	0.2117	0.0078	0.0064	0.0209	0.0259	0.0037	0.0094
20 mph	0.0073	0.1619	0.0065	0.0052	0.0172	0.0214	0.0030	0.0065
25 mph	0.0059	0.1296	0.0055	0.0044	0.0143	0.0178	0.0028	0.0070
30 mph	0.0050	0.1088	0.0049	0.0039	0.0125	0.0156	0.0030	0.0074
35 mph	0.0044	0.0959	0.0044	0.0035	0.0114	0.0141	0.0036	0.0088
40 mph	0.0040	0.0879	0.0040	0.0032	0.0106	0.0130	0.0045	0.0110
45 mph	0.0038	0.0838	0.0037	0.0030	0.0100	0.0122	0.0057	0.0141
50 mph	0.0036	0.0841	0.0035	0.0029	0.0098	0.0118	0.0073	0.0179
55 mph	0.0036	0.0882	0.0034	0.0028	0.0096	0.0115	0.0093	0.0233
60 mph	0.0037	0.0963	0.0033	0.0028	0.0098	0.0117	0.0116	0.0287
65 mph	0.0039	0.1112	0.0034	0.0029	0.0111	0.0128		
70 mph	0.0040	0.1331	0.0036	0.0033	0.0173	0.0171		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0460
10 mph								0.0072
15 mph								0.0059
20 mph								0.0050
25 mph								0.0045
30 mph								0.0042
35 mph								0.0040
40 mph								0.0039
45 mph								0.0039
50 mph								0.0040
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0059	0.0006	0.0023	0.0054	0.0019	0.0005	0.0012	0.0000	0.0178
15 mph	0.0009	0.0001	0.0003	0.0008	0.0003	0.0001	0.0002	0.0000	0.0027
20 mph	0.0037	0.0004	0.0014	0.0034	0.0012	0.0003	0.0005	0.0000	0.0108
25 mph	0.0113	0.0012	0.0045	0.0103	0.0036	0.0010	0.0015	0.0000	0.0334
30 mph	0.0084	0.0009	0.0033	0.0077	0.0027	0.0008	0.0009	0.0000	0.0248
35 mph	0.0040	0.0004	0.0016	0.0037	0.0013	0.0004	0.0003	0.0000	0.0117
40 mph	0.0015	0.0002	0.0006	0.0014	0.0005	0.0001	0.0002	0.0000	0.0045
45 mph	0.0009	0.0001	0.0004	0.0008	0.0003	0.0001	0.0003	0.0000	0.0029
50 mph	0.0009	0.0001	0.0003	0.0008	0.0003	0.0001	0.0003	0.0000	0.0028
55 mph	0.0016	0.0002	0.0006	0.0014	0.0005	0.0001	0.0000	0.0000	0.0045
60 mph	0.0011	0.0001	0.0004	0.0010	0.0004	0.0001	0.0001	0.0000	0.0032
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0401	0.0041	0.0159	0.0367	0.0130	0.0036	0.0057	0.0000	0.1191

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0020)	(0.0002)	(0.0008)	0.0007	0.0004	0.0001	0.0004	0.0000	(0.0013)
25 mph	(0.0022)	(0.0002)	(0.0009)	0.0008	0.0005	0.0001	0.0006	0.0000	(0.0013)
30 mph	(0.0028)	(0.0003)	(0.0011)	0.0010	0.0006	0.0002	0.0011	0.0000	(0.0014)
35 mph	(0.0037)	(0.0004)	(0.0015)	0.0013	0.0008	0.0002	0.0011	0.0000	(0.0022)
40 mph	(0.0049)	(0.0005)	(0.0019)	0.0017	0.0010	0.0003	0.0011	0.0000	(0.0032)
45 mph	(0.0096)	(0.0010)	(0.0038)	0.0033	0.0020	0.0006	0.0007	0.0000	(0.0077)
50 mph	(0.0079)	(0.0008)	(0.0031)	0.0027	0.0017	0.0005	0.0004	0.0000	(0.0065)
55 mph	(0.0058)	(0.0006)	(0.0023)	0.0020	0.0012	0.0003	0.0001	0.0000	(0.0050)
60 mph	(0.0031)	(0.0003)	(0.0012)	0.0011	0.0007	0.0002	0.0106	0.0001	0.0080
65 mph	(0.0018)	(0.0002)	(0.0007)	0.0006	0.0004	0.0001	-	-	(0.0015)
70 mph	(0.0454)	(0.0046)	(0.0176)	0.0154	0.0096	0.0026	-	-	(0.0400)
total	(0.0892)	(0.0090)	(0.0348)	0.0306	0.0189	0.0051	0.0161	0.0001	(0.0622)

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0027	0.0008	0.0011	0.0000	0.0047
15 mph	0.0232	0.0023	0.0092	0.0028	0.0012	0.0003	0.0005	0.0000	0.0394
25 mph	-	-	-	-	0.0015	0.0004	0.0010	0.0000	0.0029
35 mph	0.0227	0.0023	0.0090	0.0026	-	-	-	-	0.0366
total	0.0459	0.0047	0.0181	0.0054	0.0054	0.0015	0.0026	0.0000	0.0835

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0027	0.0008	0.0011	0.0000	0.0047
10 mph	0.0059	0.0006	0.0023	0.0054	0.0019	0.0005	0.0012	0.0000	0.0178
15 mph	0.0240	0.0024	0.0095	0.0036	0.0015	0.0004	0.0007	0.0000	0.0421
20 mph	0.0017	0.0002	0.0007	0.0040	0.0016	0.0004	0.0009	0.0000	0.0095
25 mph	0.0091	0.0009	0.0036	0.0111	0.0056	0.0016	0.0030	0.0000	0.0349
30 mph	0.0056	0.0006	0.0022	0.0087	0.0033	0.0009	0.0020	0.0000	0.0234
35 mph	0.0230	0.0024	0.0091	0.0076	0.0021	0.0006	0.0014	0.0000	0.0461
40 mph	(0.0034)	(0.0003)	(0.0013)	0.0031	0.0015	0.0004	0.0013	0.0000	0.0013
45 mph	(0.0087)	(0.0009)	(0.0034)	0.0042	0.0023	0.0006	0.0010	0.0000	(0.0049)
50 mph	(0.0070)	(0.0007)	(0.0027)	0.0035	0.0020	0.0005	0.0007	0.0000	(0.0037)
55 mph	(0.0042)	(0.0004)	(0.0017)	0.0035	0.0018	0.0005	0.0002	0.0000	(0.0005)
60 mph	(0.0020)	(0.0002)	(0.0008)	0.0021	0.0010	0.0003	0.0108	0.0001	0.0112
65 mph	(0.0018)	(0.0002)	(0.0007)	0.0006	0.0004	0.0001	-	-	(0.0015)
70 mph	(0.0454)	(0.0046)	(0.0176)	0.0154	0.0096	0.0026	-	-	(0.0400)
total	(0.0032)	(0.0003)	(0.0008)	0.0726	0.0373	0.0103	0.0244	0.0002	0.1404

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0002	0.0091	0.0076	0.0075	0.0379	0.0626
15 mph	0.0000	0.0000	0.0000	0.0000	0.0015	0.0013	0.0017	0.0080	0.0126
20 mph	0.0001	0.0000	0.0000	0.0002	0.0075	0.0066	0.0041	0.0166	0.0351
25 mph	0.0004	0.0000	0.0001	0.0006	0.0260	0.0228	0.0161	0.0750	0.1411
30 mph	0.0003	0.0000	0.0001	0.0005	0.0219	0.0191	0.0137	0.0636	0.1192
35 mph	0.0002	0.0000	0.0000	0.0003	0.0116	0.0101	0.0065	0.0300	0.0586
40 mph	0.0001	0.0000	0.0000	0.0001	0.0046	0.0040	0.0071	0.0328	0.0487
45 mph	0.0000	0.0000	0.0000	0.0001	0.0029	0.0025	0.0116	0.0541	0.0713
50 mph	0.0000	0.0000	0.0000	0.0001	0.0028	0.0024	0.0183	0.0842	0.1079
55 mph	0.0001	0.0000	0.0000	0.0001	0.0049	0.0041	0.0021	0.0100	0.0213
60 mph	0.0000	0.0000	0.0000	0.0001	0.0032	0.0027	0.0105	0.0490	0.0656
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0014	0.0001	0.0004	0.0023	0.0962	0.0833	0.0992	0.4613	0.7441

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0026	0.0023	0.0032	0.0129	0.0210
25 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0033	0.0029	0.0060	0.0281	0.0403
30 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0048	0.0042	0.0160	0.0745	0.0994
35 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0070	0.0061	0.0227	0.1053	0.1409
40 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0097	0.0084	0.0331	0.1537	0.2048
45 mph	(0.0004)	(0.0000)	(0.0001)	0.0003	0.0199	0.0171	0.0303	0.1409	0.2080
50 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0165	0.0140	0.0234	0.1076	0.1612
55 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0118	0.0099	0.0099	0.0467	0.0781
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0060	0.0050	0.8644	4.0209	4.8962
65 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0034	0.0028	-	-	0.0061
70 mph	(0.0016)	(0.0002)	(0.0004)	0.0011	0.1248	0.0864	-	-	0.2101
total	(0.0033)	(0.0003)	(0.0009)	0.0022	0.2098	0.1590	1.0090	4.6907	6.0662

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0463	0.0332	0.0047	0.0048	0.0890
15 mph	0.0006	0.0000	0.0002	0.0001	0.0064	0.0056	0.0033	0.0158	0.0320
25 mph	-	-	-	-	0.0105	0.0092	0.0103	0.0482	0.0783
35 mph	0.0009	0.0001	0.0003	0.0002	-	-	-	-	0.0014
total	0.0015	0.0001	0.0004	0.0003	0.0633	0.0480	0.0184	0.0688	0.2008

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0463	0.0332	0.0047	0.0048	0.0890
10 mph	0.0001	0.0000	0.0000	0.0002	0.0091	0.0076	0.0075	0.0379	0.0626
15 mph	0.0007	0.0000	0.0002	0.0002	0.0079	0.0069	0.0050	0.0238	0.0446
20 mph	0.0001	0.0000	0.0000	0.0002	0.0102	0.0089	0.0074	0.0295	0.0562
25 mph	0.0003	0.0000	0.0001	0.0007	0.0398	0.0350	0.0325	0.1513	0.2597
30 mph	0.0002	0.0000	0.0001	0.0006	0.0266	0.0233	0.0297	0.1381	0.2186
35 mph	0.0009	0.0001	0.0003	0.0006	0.0186	0.0162	0.0291	0.1353	0.2009
40 mph	(0.0001)	(0.0000)	(0.0000)	0.0002	0.0144	0.0124	0.0402	0.1865	0.2535
45 mph	(0.0004)	(0.0000)	(0.0001)	0.0003	0.0229	0.0196	0.0419	0.1951	0.2793
50 mph	(0.0003)	(0.0000)	(0.0001)	0.0003	0.0193	0.0164	0.0416	0.1919	0.2691
55 mph	(0.0002)	(0.0000)	(0.0000)	0.0003	0.0167	0.0141	0.0120	0.0567	0.0994
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0092	0.0077	0.8749	4.0700	4.9619
65 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0034	0.0028	-	-	0.0061
70 mph	(0.0016)	(0.0002)	(0.0004)	0.0011	0.1248	0.0864	-	-	0.2101
total	(0.0004)	(0.0001)	(0.0001)	0.0048	0.3693	0.2904	1.1265	5.2208	7.0111

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0012	0.0012
15 mph								0.0003	0.0003
20 mph								0.0007	0.0007
25 mph								0.0027	0.0027
30 mph								0.0020	0.0020
35 mph								0.0008	0.0008
40 mph								0.0006	0.0006
45 mph								0.0008	0.0008
50 mph								0.0010	0.0010
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0101	0.0101

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0006	0.0006
25 mph								0.0010	0.0010
30 mph								0.0023	0.0023
35 mph								0.0027	0.0027
40 mph								0.0030	0.0030
45 mph								0.0022	0.0022
50 mph								0.0013	0.0013
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0066	0.0066

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
15 mph								0.0006	0.0006
25 mph								0.0017	0.0017
35 mph								-	-
total	-	-	-	-	-	-	-	0.0032	0.0032

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
10 mph								0.0012	0.0012
15 mph								0.0008	0.0008
20 mph								0.0013	0.0013
25 mph								0.0054	0.0054
30 mph								0.0043	0.0043
35 mph								0.0034	0.0034
40 mph								0.0037	0.0037
45 mph								0.0030	0.0030
50 mph								0.0024	0.0024
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0264	0.0264

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0491	0.0340	0.0058	0.0057	0.0946
10 mph	0.0060	0.0006	0.0024	0.0056	0.0110	0.0081	0.0088	0.0391	0.0816
15 mph	0.0247	0.0025	0.0097	0.0037	0.0094	0.0073	0.0057	0.0246	0.0875
20 mph	0.0017	0.0002	0.0007	0.0043	0.0118	0.0093	0.0082	0.0308	0.0669
25 mph	0.0094	0.0009	0.0037	0.0118	0.0454	0.0365	0.0355	0.1568	0.3000
30 mph	0.0058	0.0006	0.0023	0.0093	0.0300	0.0243	0.0318	0.1424	0.2464
35 mph	0.0239	0.0024	0.0093	0.0082	0.0207	0.0167	0.0305	0.1387	0.2505
40 mph	(0.0035)	(0.0004)	(0.0014)	0.0033	0.0159	0.0128	0.0415	0.1902	0.2585
45 mph	(0.0091)	(0.0009)	(0.0035)	0.0045	0.0252	0.0202	0.0429	0.1981	0.2774
50 mph	(0.0073)	(0.0007)	(0.0028)	0.0038	0.0213	0.0169	0.0424	0.1943	0.2678
55 mph	(0.0044)	(0.0004)	(0.0017)	0.0037	0.0184	0.0145	0.0122	0.0567	0.0990
60 mph	(0.0021)	(0.0002)	(0.0008)	0.0022	0.0103	0.0080	0.8857	4.0700	4.9731
65 mph	(0.0018)	(0.0002)	(0.0007)	0.0006	0.0038	0.0029	-	-	0.0046
70 mph	(0.0470)	(0.0047)	(0.0180)	0.0164	0.1344	0.0890	-	-	0.1701
STREX	0.0035	0.0003	0.0013	0.0053	0.0004	0.0001	0.0002	0.0000	0.0112
total	(0.0001)	(0.0000)	0.0004	0.0827	0.4069	0.3007	1.1511	5.2473	**7.1891**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0016	0.0020	0.0016	0.0016	0.0004	0.0003	0.0004	0.0006
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0035	0.0003	0.0013	0.0053	0.0004	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0035	0.0003	0.0013	0.0053	0.0004	0.0001	0.0002	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.4582	0.0347	0.1715	0.3908	0.3205	0.1130	0.2601	0.0010
Diesel	0.0046	0.0000	0.0013	0.0100	0.2605	0.2112	1.3325	1.4907
Electric/NG	0.0138	0.0005	0.0031	0.0066	-	-	-	0.0842
Total	0.4767	0.0352	0.1760	0.4074	0.5810	0.3243	1.5926	1.5758

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	(1.4793)	(0.1119)	(0.5538)	0.4805	0.6735	0.2376	1.2184	0.0047
Diesel	(0.0149)	(0.0000)	(0.0043)	0.0123	0.5475	0.4439	6.2429	6.9837
Electric/NG	(0.0446)	(0.0016)	(0.0101)	0.0081	-	-	-	0.3942
Total	(1.5388)	(0.1135)	(0.5682)	0.5009	1.2209	0.6815	7.4613	7.3826

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.4822	0.0365	0.1805	0.0524	0.0459	0.0162	0.0520	0.0002
Diesel	0.0049	0.0000	0.0014	0.0013	0.0373	0.0303	0.2667	0.2983
Electric/NG	0.0145	0.0005	0.0033	0.0009	-	-	-	0.0168
Total	0.5016	0.0370	0.1852	0.0547	0.0833	0.0465	0.3187	0.3154

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	(0.5389)	(0.0408)	(0.2017)	0.9237	1.0399	0.3668	1.5305	0.0058	3.0854
Diesel	(0.0054)	(0.0000)	(0.0016)	0.0237	0.8453	0.6854	7.8421	8.7727	18.1622
Electric/NG	(0.0163)	(0.0006)	(0.0037)	0.0156	-	-	-	0.4952	0.4903
Total	(0.5606)	(0.0414)	(0.2070)	0.9630	1.8852	1.0522	9.3726	9.2738	**21.7379**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	7.9619
Internal	9.9223
Total	**17.8843**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0378	0.0262	0.0045	0.0044	0.0728
10 mph	0.0039	0.0004	0.0015	0.0036	0.0085	0.0063	0.0067	0.0301	0.0609
15 mph	0.0158	0.0016	0.0062	0.0024	0.0072	0.0056	0.0044	0.0190	0.0621
20 mph	0.0011	0.0001	0.0004	0.0027	0.0091	0.0072	0.0063	0.0237	0.0506
25 mph	0.0060	0.0006	0.0024	0.0075	0.0350	0.0281	0.0274	0.1207	0.2276
30 mph	0.0037	0.0004	0.0015	0.0059	0.0231	0.0187	0.0245	0.1097	0.1874
35 mph	0.0153	0.0015	0.0060	0.0052	0.0160	0.0129	0.0235	0.1068	0.1872
40 mph	(0.0022)	(0.0002)	(0.0009)	0.0021	0.0122	0.0099	0.0320	0.1464	0.1993
45 mph	(0.0058)	(0.0006)	(0.0023)	0.0029	0.0194	0.0156	0.0330	0.1525	0.2148
50 mph	(0.0047)	(0.0005)	(0.0018)	0.0024	0.0164	0.0130	0.0326	0.1496	0.2071
55 mph	(0.0028)	(0.0003)	(0.0011)	0.0024	0.0142	0.0112	0.0094	0.0437	0.0766
60 mph	(0.0014)	(0.0001)	(0.0005)	0.0014	0.0079	0.0062	0.6820	3.1339	3.8294
65 mph	(0.0012)	(0.0001)	(0.0005)	0.0004	0.0029	0.0022	-	-	0.0038
70 mph	(0.0301)	(0.0030)	(0.0115)	0.0105	0.1035	0.0685	-	-	0.1379
total	(0.0023)	(0.0002)	(0.0006)	0.0495	0.3130	0.2315	0.8862	4.0404	5.5176

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2025 Phase 1 (Net) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	2,308	2.40	0.32	0.0005	1.1	0.0019	4.4
2	L	2,990	2.40	0.32	0.0005	1.4	0.0019	5.7
3	L	3,203	2.40	0.32	0.0005	1.5	0.0019	6.1
5	L	1,379	2.40	0.32	0.0005	0.6	0.0019	2.6
6	L	9,204	2.40	0.32	0.0005	4.3	0.0019	17.5
8	L	2,383	2.40	0.32	0.0005	1.1	0.0019	4.5
11	L	(2,407)	2.40	0.32	0.0005	-1.1	0.0019	-4.6
12	L	(91)	2.40	0.32	0.0005	0.0	0.0019	-0.2
14	L	232	2.40	0.32	0.0005	0.1	0.0019	0.4
18	L	88	2.40	0.32	0.0005	0.0	0.0019	0.2
19	L	2,023	2.40	0.32	0.0005	0.9	0.0019	3.9
21	L	753	2.40	0.32	0.0005	0.4	0.0019	1.4
24	L	916	2.40	0.32	0.0005	0.4	0.0019	1.7
30	L	(1,545)	2.40	0.32	0.0005	-0.7	0.0019	-2.9
29	L	913	2.40	0.32	0.0005	0.4	0.0019	1.7
31	L	(1,132)	2.40	0.32	0.0005	-0.5	0.0019	-2.2
TOTAL						9.9		40.4

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2025 Phase 1 (Net) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	71,799	2.4	0.032	0.0001	4.130637865	0.0002	16.82852464
Freeway	F	132,707	2.40	0.015	0.0000	3.831310799	0.0001	15.60904399
TOTAL		204,507				7.961948664		32.43756863

World Logistics Center
Mobile Emissions - 2025 Phase 1 (Net) - Unmitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0057	0.0100	0.0081	0.0096	0.0132	0.0149	0.0233	0.2032
15 mph	0.0050	0.0087	0.0070	0.0084	0.0116	0.0131	0.0207	0.1796
20 mph	0.0045	0.0077	0.0063	0.0075	0.0107	0.0118	0.0187	0.1627
25 mph	0.0041	0.0070	0.0057	0.0068	0.0098	0.0108	0.0169	0.1492
30 mph	0.0038	0.0064	0.0053	0.0063	0.0092	0.0101	0.0155	0.1394
35 mph	0.0036	0.0061	0.0050	0.0059	0.0088	0.0095	0.0145	0.1324
40 mph	0.0034	0.0058	0.0047	0.0057	0.0085	0.0091	0.0139	0.1272
45 mph	0.0033	0.0056	0.0046	0.0055	0.0084	0.0089	0.0134	0.1240
50 mph	0.0033	0.0056	0.0046	0.0055	0.0084	0.0088	0.0133	0.1230
55 mph	0.0033	0.0058	0.0046	0.0056	0.0085	0.0089	0.0135	0.1248
60 mph	0.0034	0.0061	0.0049	0.0059	0.0089	0.0093	0.0139	0.1289
65 mph	0.0036	0.0066	0.0051	0.0062	0.0093	0.0097	0.0147	0.1346
70 mph	0.0038	0.0074	0.0053	0.0067	0.0104	0.0100	0.0146	0.1442

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0613	0.1353	0.0828	0.1031	0.1491	0.1668	0.2926	0.4856
15 mph	0.0504	0.1126	0.0687	0.0873	0.0969	0.1106	0.2303	0.3551
20 mph	0.0414	0.0924	0.0564	0.0725	0.0827	0.0944	0.1967	0.2930
25 mph	0.0347	0.0772	0.0473	0.0615	0.0734	0.0842	0.1717	0.2509
30 mph	0.0301	0.0665	0.0409	0.0532	0.0667	0.0760	0.1507	0.2198
35 mph	0.0272	0.0596	0.0369	0.0484	0.0669	0.0762	0.1347	0.2008
40 mph	0.0255	0.0555	0.0344	0.0453	0.0652	0.0735	0.1234	0.1830
45 mph	0.0246	0.0536	0.0332	0.0436	0.0636	0.0707	0.1169	0.1727
50 mph	0.0247	0.0536	0.0333	0.0439	0.0667	0.0734	0.1154	0.1673
55 mph	0.0258	0.0560	0.0348	0.0463	0.0697	0.0759	0.1187	0.1729
60 mph	0.0280	0.0607	0.0377	0.0501	0.0703	0.0761	0.1267	0.1832
65 mph	0.0315	0.0677	0.0423	0.0565	0.0715	0.0766	0.1396	0.1987
70 mph	0.0344	0.0706	0.0451	0.0619	0.0735	0.0786	0.1408	0.2011

*US EPA Emission Factors for Greenhouse Gas Inventories. (Idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.9491
15 mph								0.7965
20 mph								0.6951
25 mph								0.6401
30 mph								0.6049
35 mph								0.5770
40 mph								0.5542
45 mph								0.5351
50 mph								0.5187
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0066	0.0009	0.0035	0.0095	0.0055	0.0019	0.0072	0.0004	0.0355
15 mph	0.0013	0.0002	0.0007	0.0018	0.0011	0.0004	0.0018	0.0001	0.0074
20 mph	0.0069	0.0009	0.0037	0.0099	0.0059	0.0020	0.0050	0.0003	0.0345
25 mph	0.0263	0.0034	0.0138	0.0374	0.0226	0.0076	0.0187	0.0012	0.1310
30 mph	0.0234	0.0030	0.0122	0.0333	0.0204	0.0068	0.0137	0.0009	0.1138
35 mph	0.0129	0.0017	0.0067	0.0183	0.0114	0.0038	0.0051	0.0003	0.0602
40 mph	0.0053	0.0007	0.0027	0.0075	0.0047	0.0015	0.0043	0.0003	0.0271
45 mph	0.0034	0.0004	0.0018	0.0049	0.0031	0.0010	0.0053	0.0004	0.0203
50 mph	0.0034	0.0004	0.0018	0.0048	0.0031	0.0010	0.0064	0.0004	0.0213
55 mph	0.0060	0.0008	0.0031	0.0086	0.0055	0.0018	0.0006	0.0000	0.0264
60 mph	0.0040	0.0005	0.0021	0.0058	0.0037	0.0012	0.0025	0.0002	0.0199
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0995	0.0129	0.0521	0.1419	0.0870	0.0288	0.0707	0.0045	0.4974

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0037)	(0.0005)	(0.0020)	0.0020	0.0021	0.0007	0.0039	0.0002	0.0027
25 mph	(0.0051)	(0.0007)	(0.0027)	0.0028	0.0029	0.0010	0.0070	0.0004	0.0056
30 mph	(0.0079)	(0.0010)	(0.0041)	0.0043	0.0045	0.0015	0.0161	0.0010	0.0143
35 mph	(0.0119)	(0.0015)	(0.0062)	0.0064	0.0069	0.0023	0.0180	0.0012	0.0152
40 mph	(0.0170)	(0.0022)	(0.0089)	0.0092	0.0099	0.0032	0.0202	0.0013	0.0158
45 mph	(0.0357)	(0.0046)	(0.0186)	0.0194	0.0211	0.0068	0.0139	0.0009	0.0031
50 mph	(0.0299)	(0.0039)	(0.0156)	0.0163	0.0178	0.0057	0.0082	0.0005	(0.0008)
55 mph	(0.0220)	(0.0029)	(0.0116)	0.0121	0.0132	0.0042	0.0028	0.0002	(0.0040)
60 mph	(0.0114)	(0.0015)	(0.0061)	0.0063	0.0069	0.0022	0.2021	0.0133	0.2118
65 mph	(0.0060)	(0.0008)	(0.0032)	0.0033	0.0036	0.0011	-	-	(0.0019)
70 mph	(0.1475)	(0.0220)	(0.0783)	0.0849	0.0950	0.0277	-	-	(0.0403)
total	(0.2982)	(0.0417)	(0.1572)	0.1671	0.1838	0.0564	0.2921	0.0192	0.2216

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0010	0.0003	0.0005	0.0000	0.0018
15 mph	0.0343	0.0045	0.0182	0.0064	0.0045	0.0015	0.0036	0.0002	0.0733
25 mph	-	-	-	-	0.0092	0.0031	0.0120	0.0008	0.0250
35 mph	0.0723	0.0093	0.0377	0.0130	-	-	-	-	0.1323
total	0.1067	0.0138	0.0558	0.0194	0.0147	0.0049	0.0161	0.0010	0.2325

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0010	0.0003	0.0005	0.0000	0.0018
10 mph	0.0066	0.0009	0.0035	0.0095	0.0055	0.0019	0.0072	0.0004	0.0355
15 mph	0.0356	0.0047	0.0188	0.0082	0.0056	0.0019	0.0054	0.0003	0.0806
20 mph	0.0032	0.0004	0.0017	0.0119	0.0080	0.0027	0.0088	0.0005	0.0373
25 mph	0.0212	0.0027	0.0111	0.0402	0.0346	0.0116	0.0377	0.0024	0.1616
30 mph	0.0156	0.0020	0.0081	0.0376	0.0249	0.0083	0.0298	0.0019	0.1281
35 mph	0.0733	0.0094	0.0382	0.0378	0.0183	0.0060	0.0232	0.0015	0.2077
40 mph	(0.0118)	(0.0015)	(0.0061)	0.0167	0.0147	0.0048	0.0245	0.0016	0.0429
45 mph	(0.0323)	(0.0042)	(0.0169)	0.0243	0.0242	0.0078	0.0192	0.0013	0.0234
50 mph	(0.0265)	(0.0035)	(0.0139)	0.0212	0.0209	0.0067	0.0147	0.0010	0.0206
55 mph	(0.0160)	(0.0021)	(0.0084)	0.0207	0.0188	0.0060	0.0034	0.0002	0.0225
60 mph	(0.0075)	(0.0010)	(0.0039)	0.0121	0.0105	0.0034	0.2045	0.0135	0.2317
65 mph	(0.0060)	(0.0008)	(0.0032)	0.0033	0.0036	0.0011	-	-	(0.0019)
70 mph	(0.1475)	(0.0220)	(0.0783)	0.0849	0.0950	0.0277	-	-	(0.0403)
total	(0.0921)	(0.0150)	(0.0493)	0.3284	0.2855	0.0901	0.3790	0.0247	0.9514

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0003	0.0026	0.0489	0.0385	0.4637	1.4518	2.0065
15 mph	0.0001	0.0000	0.0001	0.0005	0.0071	0.0057	0.1043	0.3034	0.4211
20 mph	0.0006	0.0000	0.0003	0.0025	0.0362	0.0290	0.2671	0.7509	1.0866
25 mph	0.0023	0.0000	0.0009	0.0087	0.1337	0.1078	0.9716	2.6795	3.9044
30 mph	0.0019	0.0000	0.0007	0.0072	0.1167	0.0935	0.6825	1.8778	2.7803
35 mph	0.0010	0.0000	0.0004	0.0038	0.0682	0.0547	0.2439	0.6860	1.0580
40 mph	0.0004	0.0000	0.0002	0.0015	0.0285	0.0226	0.1955	0.5470	0.7957
45 mph	0.0003	0.0000	0.0001	0.0010	0.0185	0.0145	0.2382	0.6640	0.9367
50 mph	0.0003	0.0000	0.0001	0.0010	0.0194	0.0150	0.2873	0.7858	1.1089
55 mph	0.0005	0.0000	0.0002	0.0018	0.0355	0.0272	0.0269	0.0738	0.1659
60 mph	0.0003	0.0000	0.0001	0.0013	0.0231	0.0175	0.1148	0.3131	0.4702
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0083	0.0001	0.0032	0.0319	0.5358	0.4260	3.5957	10.1331	14.7342

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0003)	(0.0000)	(0.0001)	0.0005	0.0127	0.0102	0.2086	0.5863	0.8177
25 mph	(0.0004)	(0.0000)	(0.0002)	0.0006	0.0169	0.0136	0.3641	1.0043	1.3989
30 mph	(0.0006)	(0.0000)	(0.0002)	0.0009	0.0255	0.0205	0.7994	2.1993	3.0448
35 mph	(0.0009)	(0.0000)	(0.0004)	0.0013	0.0410	0.0328	0.8569	2.4104	3.3412
40 mph	(0.0013)	(0.0000)	(0.0005)	0.0019	0.0599	0.0475	0.9161	2.5628	3.5863
45 mph	(0.0027)	(0.0000)	(0.0010)	0.0039	0.1266	0.0990	0.6201	1.7284	2.5742
50 mph	(0.0023)	(0.0000)	(0.0009)	0.0034	0.1124	0.0869	0.3670	1.0041	1.5706
55 mph	(0.0017)	(0.0000)	(0.0007)	0.0026	0.0853	0.0654	0.1258	0.3460	0.6227
60 mph	(0.0009)	(0.0000)	(0.0004)	0.0014	0.0431	0.0328	9.4089	25.6673	35.1521
65 mph	(0.0005)	(0.0000)	(0.0002)	0.0008	0.0219	0.0165	-	-	0.0384
70 mph	(0.0136)	(0.0001)	(0.0051)	0.0202	0.5285	0.3978	-	-	0.9278
total	(0.0254)	(0.0002)	(0.0096)	0.0375	1.0737	0.8229	13.6670	37.5088	53.0747

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0003	0.0002	0.0009	0.0017	0.0031
15 mph	0.0035	0.0000	0.0014	0.0017	0.0297	0.0238	0.2063	0.6002	0.8666
25 mph	-	-	-	-	0.0542	0.0437	0.6240	1.7209	2.4428
35 mph	0.0056	0.0000	0.0022	0.0027	-	-	-	-	0.0105
total	0.0091	0.0001	0.0035	0.0044	0.0841	0.0677	0.8312	2.3229	3.3230

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0003	0.0002	0.0009	0.0017	0.0031
10 mph	0.0007	0.0000	0.0003	0.0026	0.0489	0.0385	0.4637	1.4518	2.0065
15 mph	0.0036	0.0000	0.0014	0.0022	0.0367	0.0295	0.3106	0.9036	1.2876
20 mph	0.0003	0.0000	0.0001	0.0030	0.0488	0.0392	0.4757	1.3372	1.9043
25 mph	0.0018	0.0000	0.0007	0.0093	0.2047	0.1651	1.9597	5.4047	7.7461
30 mph	0.0012	0.0000	0.0005	0.0081	0.1422	0.1139	1.4819	4.0771	5.8250
35 mph	0.0056	0.0000	0.0022	0.0079	0.1092	0.0875	1.1008	3.0964	4.4097
40 mph	(0.0009)	(0.0000)	(0.0003)	0.0034	0.0884	0.0701	1.1116	3.1098	4.3821
45 mph	(0.0024)	(0.0000)	(0.0009)	0.0049	0.1451	0.1135	0.8583	2.3924	3.5108
50 mph	(0.0020)	(0.0000)	(0.0008)	0.0043	0.1318	0.1020	0.6543	1.7899	2.6795
55 mph	(0.0013)	(0.0000)	(0.0005)	0.0044	0.1209	0.0926	0.1527	0.4198	0.7886
60 mph	(0.0006)	(0.0000)	(0.0002)	0.0027	0.0661	0.0503	9.5236	25.9804	35.6222
65 mph	(0.0005)	(0.0000)	(0.0002)	0.0008	0.0219	0.0165	-	-	0.0384
70 mph	(0.0136)	(0.0001)	(0.0051)	0.0202	0.5285	0.3978	-	-	0.9278
total	(0.0080)	(0.0000)	(0.0029)	0.0739	1.6936	1.3166	18.0940	49.9648	71.1320

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1577	0.1577
15 mph								0.0378	0.0378
20 mph								0.0990	0.0990
25 mph								0.3798	0.3798
30 mph								0.2871	0.2871
35 mph								0.1095	0.1095
40 mph								0.0921	0.0921
45 mph								0.1143	0.1143
50 mph								0.1354	0.1354
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.4126	1.4126

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0773	0.0773
25 mph								0.1423	0.1423
30 mph								0.3363	0.3363
35 mph								0.3849	0.3849
40 mph								0.4313	0.4313
45 mph								0.2974	0.2974
50 mph								0.1730	0.1730
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.9408	0.9408

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
15 mph								0.0748	0.0748
25 mph								0.2439	0.2439
35 mph								-	-
total	-	-	-	-	-	-	-	0.3190	0.3190

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
10 mph								0.1577	0.1577
15 mph								0.1126	0.1126
20 mph								0.1762	0.1762
25 mph								0.7660	0.7660
30 mph								0.6234	0.6234
35 mph								0.4945	0.4945
40 mph								0.5234	0.5234
45 mph								0.4117	0.4117
50 mph								0.3084	0.3084
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.5741	3.5741

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0013	0.0005	0.0014	0.0020	0.0052
10 mph	0.0073	0.0009	0.0038	0.0121	0.0544	0.0404	0.4709	1.6100	2.1997
15 mph	0.0393	0.0047	0.0203	0.0104	0.0423	0.0314	0.3160	1.0165	1.4809
20 mph	0.0035	0.0004	0.0018	0.0149	0.0568	0.0419	0.4846	1.5140	2.1178
25 mph	0.0230	0.0028	0.0118	0.0495	0.2393	0.1767	1.9975	6.1731	8.6738
30 mph	0.0168	0.0020	0.0086	0.0457	0.1671	0.1222	1.5117	4.7023	6.5765
35 mph	0.0790	0.0095	0.0404	0.0457	0.1275	0.0935	1.1240	3.5924	5.1119
40 mph	(0.0126)	(0.0015)	(0.0065)	0.0202	0.1030	0.0749	1.1361	3.6348	4.9483
45 mph	(0.0347)	(0.0042)	(0.0178)	0.0292	0.1693	0.1213	0.8775	2.8054	3.9460
50 mph	(0.0285)	(0.0035)	(0.0146)	0.0255	0.1527	0.1086	0.6690	2.0993	3.0085
55 mph	(0.0173)	(0.0021)	(0.0089)	0.0251	0.1396	0.0986	0.1561	0.4200	0.8111
60 mph	(0.0081)	(0.0010)	(0.0042)	0.0148	0.0766	0.0537	9.7281	25.9939	35.8539
65 mph	(0.0065)	(0.0008)	(0.0034)	0.0041	0.0255	0.0176	-	-	0.0365
70 mph	(0.1611)	(0.0221)	(0.0834)	0.1051	0.6235	0.4255	-	-	0.8875
STREX	0.0514	0.0043	0.0231	0.0953	0.0432	0.0132	0.0162	0.0000	0.2467
total	(0.0487)	(0.0107)	(0.0291)	0.4976	2.0223	1.4199	18.4892	53.5637	**75.9043**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0228	0.0252	0.0273	0.0297	0.0385	0.0385	0.0291	0.0089
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0514	0.0043	0.0231	0.0953	0.0432	0.0132	0.0162	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0514	0.0043	0.0231	0.0953	0.0432	0.0132	0.0162	0.0000

World Logistics Center
Mobile Emissions - 2025 Phase 1 (Net) - Unmitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					2.1916	2.2071	3.3551	2.5449
10 mph	0.0074	0.0170	0.0122	0.0151	0.0169	0.0133	0.0290	0.3246
15 mph	0.0049	0.0115	0.0082	0.0101	0.0115	0.0089	0.0194	0.2152
20 mph	0.0035	0.0083	0.0058	0.0072	0.0084	0.0064	0.0138	0.1523
25 mph	0.0026	0.0062	0.0043	0.0053	0.0063	0.0047	0.0101	0.1131
30 mph	0.0020	0.0049	0.0034	0.0042	0.0050	0.0037	0.0077	0.0887
35 mph	0.0016	0.0040	0.0028	0.0034	0.0042	0.0031	0.0063	0.0735
40 mph	0.0014	0.0035	0.0024	0.0030	0.0038	0.0027	0.0055	0.0643
45 mph	0.0013	0.0032	0.0022	0.0027	0.0035	0.0025	0.0050	0.0592
50 mph	0.0012	0.0031	0.0021	0.0026	0.0034	0.0024	0.0048	0.0574
55 mph	0.0013	0.0031	0.0021	0.0027	0.0035	0.0024	0.0050	0.0587
60 mph	0.0013	0.0033	0.0022	0.0028	0.0038	0.0026	0.0053	0.0629
65 mph	0.0015	0.0036	0.0025	0.0031	0.0043	0.0030		
70 mph	0.0016	0.0043	0.0026	0.0034	0.0046	0.0029		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0246	0.1097
10 mph	0.0051	0.0222	0.0090	0.0052	0.0252	0.0253	0.0017	0.0039
15 mph	0.0026	0.0151	0.0044	0.0025	0.0130	0.0130	0.0009	0.0022
20 mph	0.0011	0.0108	0.0017	0.0010	0.0060	0.0059	0.0006	0.0014
25 mph	0.0007	0.0085	0.0011	0.0006	0.0039	0.0039	0.0005	0.0012
30 mph	0.0006	0.0071	0.0008	0.0005	0.0031	0.0030	0.0004	0.0009
35 mph	0.0004	0.0062	0.0006	0.0004	0.0026	0.0025	0.0003	0.0008
40 mph	0.0004	0.0056	0.0005	0.0003	0.0023	0.0022	0.0003	0.0007
45 mph	0.0003	0.0054	0.0005	0.0003	0.0021	0.0020	0.0002	0.0006
50 mph	0.0003	0.0054	0.0004	0.0003	0.0019	0.0018	0.0003	0.0006
55 mph	0.0003	0.0056	0.0004	0.0002	0.0019	0.0018	0.0003	0.0007
60 mph	0.0003	0.0061	0.0003	0.0002	0.0019	0.0018	0.0003	0.0008
65 mph	0.0003	0.0070	0.0003	0.0002	0.0022	0.0020		
70 mph	0.0003	0.0083	0.0004	0.0003	0.0035	0.0030		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.9532
10 mph								11.9451
15 mph								8.1202
20 mph								5.6812
25 mph								4.1725
30 mph								3.1045
35 mph								2.3139
40 mph								1.7296
45 mph								1.2992
50 mph								0.9841
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0086	0.0015	0.0053	0.0149	0.0070	0.0017	0.0090	0.0007	0.0487
15 mph	0.0013	0.0002	0.0008	0.0022	0.0011	0.0003	0.0017	0.0001	0.0077
20 mph	0.0054	0.0010	0.0034	0.0095	0.0046	0.0011	0.0037	0.0003	0.0289
25 mph	0.0165	0.0030	0.0104	0.0294	0.0146	0.0033	0.0111	0.0009	0.0892
30 mph	0.0123	0.0023	0.0078	0.0220	0.0111	0.0025	0.0068	0.0006	0.0654
35 mph	0.0059	0.0011	0.0037	0.0106	0.0054	0.0012	0.0022	0.0002	0.0303
40 mph	0.0022	0.0004	0.0014	0.0039	0.0021	0.0005	0.0017	0.0001	0.0123
45 mph	0.0013	0.0003	0.0008	0.0024	0.0013	0.0003	0.0020	0.0002	0.0086
50 mph	0.0013	0.0002	0.0008	0.0023	0.0013	0.0003	0.0024	0.0002	0.0088
55 mph	0.0023	0.0004	0.0014	0.0041	0.0023	0.0005	0.0002	0.0000	0.0113
60 mph	0.0015	0.0003	0.0010	0.0028	0.0016	0.0003	0.0009	0.0001	0.0085
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0585	0.0107	0.0369	0.1041	0.0523	0.0118	0.0418	0.0034	0.3195

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0029)	(0.0005)	(0.0018)	0.0019	0.0016	0.0004	0.0029	0.0002	0.0018
25 mph	(0.0032)	(0.0006)	(0.0020)	0.0022	0.0018	0.0004	0.0042	0.0003	0.0031
30 mph	(0.0041)	(0.0008)	(0.0026)	0.0028	0.0024	0.0005	0.0080	0.0007	0.0069
35 mph	(0.0054)	(0.0010)	(0.0034)	0.0037	0.0033	0.0007	0.0078	0.0007	0.0063
40 mph	(0.0070)	(0.0013)	(0.0045)	0.0048	0.0044	0.0009	0.0080	0.0007	0.0059
45 mph	(0.0140)	(0.0026)	(0.0089)	0.0096	0.0088	0.0019	0.0052	0.0004	0.0004
50 mph	(0.0114)	(0.0022)	(0.0073)	0.0079	0.0073	0.0016	0.0030	0.0003	(0.0009)
55 mph	(0.0084)	(0.0016)	(0.0053)	0.0058	0.0055	0.0012	0.0010	0.0001	(0.0018)
60 mph	(0.0044)	(0.0008)	(0.0028)	0.0030	0.0029	0.0006	0.0774	0.0065	0.0825
65 mph	(0.0025)	(0.0005)	(0.0015)	0.0017	0.0017	0.0004	-	-	(0.0007)
70 mph	(0.0620)	(0.0127)	(0.0385)	0.0435	0.0417	0.0080	-	-	(0.0201)
total	(0.1255)	(0.0245)	(0.0787)	0.0869	0.0814	0.0165	0.1175	0.0098	0.0835

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1691	0.0519	0.1231	0.0008	0.3448
15 mph	0.0339	0.0060	0.0212	0.0077	0.0044	0.0011	0.0034	0.0003	0.0780
25 mph	-	-	-	-	0.0059	0.0013	0.0072	0.0006	0.0150
35 mph	0.0329	0.0062	0.0209	0.0075	-	-	-	-	0.0675
total	0.0668	0.0122	0.0421	0.0152	0.1794	0.0543	0.1336	0.0016	0.5054

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1691	0.0519	0.1231	0.0008	0.3448
10 mph	0.0086	0.0015	0.0053	0.0149	0.0070	0.0017	0.0090	0.0007	0.0487
15 mph	0.0352	0.0062	0.0220	0.0099	0.0055	0.0013	0.0051	0.0004	0.0857
20 mph	0.0025	0.0004	0.0016	0.0114	0.0063	0.0014	0.0065	0.0005	0.0307
25 mph	0.0133	0.0024	0.0084	0.0315	0.0223	0.0051	0.0225	0.0018	0.1073
30 mph	0.0082	0.0015	0.0052	0.0248	0.0135	0.0030	0.0149	0.0012	0.0723
35 mph	0.0333	0.0063	0.0212	0.0218	0.0087	0.0019	0.0101	0.0008	0.1042
40 mph	(0.0049)	(0.0009)	(0.0031)	0.0088	0.0064	0.0014	0.0097	0.0008	0.0182
45 mph	(0.0127)	(0.0024)	(0.0081)	0.0120	0.0101	0.0022	0.0072	0.0006	0.0090
50 mph	(0.0101)	(0.0019)	(0.0064)	0.0102	0.0086	0.0018	0.0054	0.0005	0.0079
55 mph	(0.0061)	(0.0012)	(0.0039)	0.0099	0.0078	0.0016	0.0013	0.0001	0.0095
60 mph	(0.0029)	(0.0005)	(0.0018)	0.0058	0.0045	0.0009	0.0784	0.0066	0.0910
65 mph	(0.0025)	(0.0005)	(0.0015)	0.0017	0.0017	0.0004	-	-	(0.0007)
70 mph	(0.0620)	(0.0127)	(0.0385)	0.0435	0.0417	0.0080	-	-	(0.0201)
total	(0.0002)	(0.0016)	0.0004	0.2063	0.3131	0.0827	0.2929	0.0148	0.9084

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0001	0.0082	0.0058	0.0026	0.0115	0.0285
15 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0007	0.0004	0.0019	0.0040
20 mph	0.0000	0.0000	0.0000	0.0000	0.0026	0.0018	0.0008	0.0035	0.0088
25 mph	0.0000	0.0000	0.0000	0.0001	0.0072	0.0049	0.0027	0.0123	0.0273
30 mph	0.0000	0.0000	0.0000	0.0001	0.0054	0.0037	0.0018	0.0080	0.0190
35 mph	0.0000	0.0000	0.0000	0.0000	0.0027	0.0018	0.0006	0.0026	0.0077
40 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0004	0.0020	0.0041
45 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	0.0005	0.0023	0.0038
50 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	0.0006	0.0028	0.0044
55 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0006	0.0001	0.0003	0.0020
60 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	0.0003	0.0013	0.0027
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0002	0.0000	0.0001	0.0004	0.0308	0.0213	0.0108	0.0485	0.1122

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0009	0.0006	0.0007	0.0027	0.0049
25 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0009	0.0006	0.0010	0.0046	0.0071
30 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0012	0.0008	0.0021	0.0093	0.0134
35 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0016	0.0011	0.0020	0.0091	0.0139
40 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0021	0.0014	0.0020	0.0092	0.0147
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0041	0.0028	0.0013	0.0060	0.0142
50 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0033	0.0022	0.0008	0.0036	0.0099
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0023	0.0015	0.0003	0.0013	0.0054
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0012	0.0008	0.0236	0.1078	0.1334
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0007	0.0004	-	-	0.0011
70 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0254	0.0152	-	-	0.0405
total	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0437	0.0274	0.0338	0.1538	0.2585

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0090	0.0063	0.0046	0.0389	0.0588
15 mph	0.0002	0.0000	0.0001	0.0000	0.0040	0.0028	0.0008	0.0038	0.0117
25 mph	-	-	-	-	0.0029	0.0020	0.0017	0.0079	0.0145
35 mph	0.0001	0.0000	0.0000	0.0000	-	-	-	-	0.0002
total	0.0003	0.0000	0.0001	0.0001	0.0159	0.0111	0.0072	0.0506	0.0852

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0090	0.0063	0.0046	0.0389	0.0588
10 mph	0.0001	0.0000	0.0000	0.0001	0.0082	0.0058	0.0026	0.0115	0.0285
15 mph	0.0002	0.0000	0.0001	0.0001	0.0049	0.0035	0.0012	0.0057	0.0156
20 mph	0.0000	0.0000	0.0000	0.0000	0.0035	0.0024	0.0015	0.0062	0.0137
25 mph	0.0000	0.0000	0.0000	0.0001	0.0110	0.0076	0.0055	0.0248	0.0490
30 mph	0.0000	0.0000	0.0000	0.0001	0.0066	0.0045	0.0038	0.0173	0.0324
35 mph	0.0001	0.0000	0.0000	0.0001	0.0043	0.0029	0.0026	0.0117	0.0217
40 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0031	0.0021	0.0025	0.0111	0.0188
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0047	0.0032	0.0018	0.0083	0.0180
50 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0038	0.0026	0.0014	0.0065	0.0143
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0033	0.0022	0.0004	0.0016	0.0074
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0018	0.0012	0.0239	0.1091	0.1360
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0007	0.0004	-	-	0.0011
70 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0254	0.0152	-	-	0.0405
total	0.0002	(0.0000)	0.0001	0.0007	0.0903	0.0598	0.0518	0.2529	0.4558

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1.9843	1.9843
15 mph								0.3854	0.3854
20 mph								0.8089	0.8089
25 mph								2.4755	2.4755
30 mph								1.4735	1.4735
35 mph								0.4393	0.4393
40 mph								0.2873	0.2873
45 mph								0.2775	0.2775
50 mph								0.2569	0.2569
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	8.3886	8.3886

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.6316	0.6316
25 mph								0.9278	0.9278
30 mph								1.7258	1.7258
35 mph								1.5436	1.5436
40 mph								1.3461	1.3461
45 mph								0.7222	0.7222
50 mph								0.3282	0.3282
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	4.8289	4.8289

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0385	0.0385
15 mph								0.7625	0.7625
25 mph								1.5899	1.5899
35 mph								-	-
total	-	-	-	-	-	-	-	2.3909	2.3909

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0385	0.0385
10 mph								1.9843	1.9843
15 mph								1.1479	1.1479
20 mph								1.4406	1.4406
25 mph								4.9932	4.9932
30 mph								3.1993	3.1993
35 mph								1.9829	1.9829
40 mph								1.6334	1.6334
45 mph								0.9997	0.9997
50 mph								0.5851	0.5851
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	18.0050	18.0050

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1780	0.0582	0.1277	0.0782	0.4422
10 mph	0.0086	0.0015	0.0053	0.0151	0.0153	0.0075	0.0116	1.9966	2.0614
15 mph	0.0354	0.0062	0.0221	0.0100	0.0104	0.0048	0.0064	1.1540	1.2493
20 mph	0.0025	0.0004	0.0016	0.0115	0.0098	0.0039	0.0080	1.4473	1.4850
25 mph	0.0133	0.0024	0.0084	0.0316	0.0332	0.0126	0.0279	5.0198	5.1494
30 mph	0.0082	0.0015	0.0052	0.0249	0.0201	0.0076	0.0187	3.2178	3.3040
35 mph	0.0334	0.0063	0.0213	0.0218	0.0130	0.0048	0.0127	1.9955	2.1088
40 mph	(0.0049)	(0.0009)	(0.0031)	0.0088	0.0095	0.0035	0.0121	1.6454	1.6705
45 mph	(0.0127)	(0.0024)	(0.0081)	0.0121	0.0148	0.0053	0.0090	1.0087	1.0267
50 mph	(0.0102)	(0.0019)	(0.0064)	0.0102	0.0124	0.0044	0.0068	0.5920	0.6073
55 mph	(0.0062)	(0.0012)	(0.0039)	0.0099	0.0110	0.0038	0.0016	0.0017	0.0169
60 mph	(0.0029)	(0.0005)	(0.0018)	0.0058	0.0063	0.0021	0.1023	0.1157	0.2270
65 mph	(0.0025)	(0.0005)	(0.0015)	0.0017	0.0024	0.0008	-	-	0.0004
70 mph	(0.0622)	(0.0127)	(0.0385)	0.0435	0.0671	0.0231	-	-	0.0204
STREX	0.0912	0.0094	0.0463	0.2075	0.0229	0.0071	0.0196	0.0000	0.4042
total	0.0912	0.0078	0.0468	0.4145	0.4264	0.1496	0.3644	18.2727	**19.7734**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0404	0.0552	0.0549	0.0647	0.0204	0.0207	0.0352	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0912	0.0094	0.0463	0.2075	0.0229	0.0071	0.0196	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0912	0.0094	0.0463	0.2075	0.0229	0.0071	0.0196	0.0000

World Logistics Center
Mobile Emissions - 2025 Phase 1 (Net) - Unmitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,468.89	5,214.53	13,277.60	22,346.84
10 mph	469.05	547.53	572.67	707.71	1,471.68	1,693.02	3,051.34	3,637.55
15 mph	383.33	447.32	467.73	577.37	1,201.85	1,381.63	2,495.55	2,985.27
20 mph	318.85	372.10	389.04	480.33	999.24	1,148.88	2,071.52	2,487.31
25 mph	272.62	318.29	332.83	411.33	854.21	982.10	1,773.08	2,128.18
30 mph	241.94	282.58	295.57	365.80	758.33	871.92	1,575.79	1,887.53
35 mph	224.37	262.17	274.28	340.14	703.42	808.91	1,461.97	1,747.33
40 mph	217.44	254.06	265.78	329.72	681.02	783.20	1,414.70	1,689.61
45 mph	218.55	255.22	266.97	331.04	683.52	786.09	1,420.88	1,691.02
50 mph	225.13	262.85	274.86	341.21	703.72	808.90	1,461.44	1,738.06
55 mph	233.91	273.09	285.65	354.82	732.65	842.13	1,519.05	1,807.02
60 mph	241.00	281.65	294.84	366.71	762.23	876.08	1,579.67	1,878.12
65 mph	246.81	289.02	302.71	377.32	785.43	902.29		
70 mph	249.71	293.57	305.32	387.47	798.31	913.22		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,633.82	5,849.92	6,051.88	5,563.14
10 mph	390.10	860.54	526.75	656.04	948.79	1,061.28	1,861.61	3,089.29
15 mph	320.94	716.13	436.94	555.47	616.76	703.44	1,465.17	2,259.33
20 mph	263.26	588.14	358.92	461.40	526.42	600.76	1,251.15	1,863.99
25 mph	220.78	491.32	300.99	390.96	466.93	535.44	1,092.11	1,596.44
30 mph	191.32	422.79	260.27	338.49	424.61	483.53	958.98	1,398.44
35 mph	173.06	379.02	234.84	308.10	425.68	484.69	856.70	1,277.23
40 mph	161.97	353.12	219.16	288.41	414.65	467.66	784.99	1,163.97
45 mph	156.46	340.90	211.32	277.45	404.63	449.72	743.89	1,098.98
50 mph	157.00	341.02	211.54	279.19	424.59	466.78	733.86	1,064.08
55 mph	164.24	356.51	221.11	294.61	443.26	482.68	754.85	1,099.94
60 mph	178.10	386.27	239.56	319.01	447.35	484.02	806.23	1,165.76
65 mph	200.37	430.54	269.01	359.35	454.73	487.02		
70 mph	218.69	448.99	286.73	393.87	467.29	500.03		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,755.56
10 mph								4,655.76
15 mph								3,906.99
20 mph								3,409.59
25 mph								3,139.99
30 mph								2,967.24
35 mph								2,830.54
40 mph								2,718.59
45 mph								2,624.68
50 mph								2,544.51
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	544.86	48.12	249.05	701.12	610.56	214.13	943.75	8.04	3,319.65
15 mph	98.95	8.74	45.20	127.11	110.80	38.83	220.53	1.89	652.06
20 mph	493.85	43.60	225.59	634.48	552.75	193.74	549.18	4.71	2,697.90
25 mph	1,759.40	155.40	804.15	2,263.91	1,968.84	690.08	1,958.57	16.80	9,617.15
30 mph	1,498.94	132.45	685.56	1,932.80	1,677.94	588.15	1,392.51	11.92	7,920.27
35 mph	810.87	71.68	371.10	1,048.36	907.92	318.29	516.77	4.41	4,049.41
40 mph	336.78	29.77	154.12	435.53	376.72	132.08	437.55	3.74	1,906.28
45 mph	225.67	19.94	103.21	291.52	252.07	88.38	565.03	4.81	1,550.60
50 mph	232.46	20.53	106.25	300.48	259.52	90.94	710.31	6.04	1,726.52
55 mph	422.67	37.33	193.24	546.80	472.83	165.68	67.12	0.57	1,906.25
60 mph	279.96	24.75	128.23	363.29	316.23	110.80	279.19	2.37	1,504.83
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	6,704.42	592.30	3,065.70	8,645.40	7,506.16	2,631.10	7,640.52	65.30	36,850.92

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(265.72)	(23.46)	(121.38)	130.03	193.60	67.86	428.81	3.68	413.41
25 mph	(340.80)	(30.10)	(155.77)	167.03	248.25	87.01	734.07	6.30	715.99
30 mph	(504.08)	(44.54)	(230.55)	247.56	367.31	128.75	1,630.98	13.96	1,609.41
35 mph	(747.94)	(66.12)	(342.30)	368.31	545.14	191.11	1,815.81	15.51	1,779.52
40 mph	(1,087.24)	(96.11)	(497.55)	535.54	791.66	277.56	2,049.94	17.50	1,991.31
45 mph	(2,367.76)	(209.19)	(1,082.86)	1,164.98	1,721.58	603.59	1,470.64	12.51	1,313.50
50 mph	(2,063.77)	(182.30)	(943.31)	1,016.06	1,499.76	525.55	907.58	7.71	767.28
55 mph	(1,559.46)	(137.74)	(712.98)	768.42	1,135.59	397.92	314.45	2.67	208.86
60 mph	(803.39)	(71.03)	(367.97)	397.08	590.72	206.98	22,889.89	194.52	23,036.80
65 mph	(411.37)	(36.44)	(188.89)	204.28	304.35	106.59	-	-	(21.48)
70 mph	(9,780.76)	(869.91)	(4,477.22)	4,929.88	7,269.43	2,535.11	-	-	(393.47)
total	(19,932.30)	(1,766.94)	(9,120.77)	9,929.17	14,667.38	5,128.02	32,242.18	274.37	31,421.12

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	344.73	122.63	487.11	6.86	961.32
15 mph	2,640.62	233.12	1,206.25	439.87	465.32	163.07	436.33	3.73	5,588.31
25 mph	-	-	-	-	797.93	279.67	1,257.92	10.79	2,346.31
35 mph	4,549.39	402.15	2,082.05	745.55	-	-	-	-	7,779.14
total	7,190.01	635.27	3,288.30	1,185.42	1,607.98	565.37	2,181.35	21.38	16,675.08

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	344.73	122.63	487.11	6.86	961.32
10 mph	544.86	48.12	249.05	701.12	610.56	214.13	943.75	8.04	3,319.65
15 mph	2,739.57	241.86	1,251.45	566.98	576.12	201.91	656.86	5.62	6,240.36
20 mph	228.13	20.14	104.21	764.50	746.34	261.60	977.99	8.39	3,111.31
25 mph	1,418.60	125.30	648.38	2,430.94	3,015.02	1,056.76	3,950.56	33.89	12,679.45
30 mph	994.87	87.91	455.01	2,180.37	2,045.25	716.90	3,023.50	25.89	9,529.68
35 mph	4,612.33	407.72	2,110.85	2,162.22	1,453.06	509.41	2,332.58	19.93	13,608.08
40 mph	(750.46)	(66.34)	(343.43)	971.07	1,168.38	409.63	2,487.50	21.23	3,897.59
45 mph	(2,142.09)	(189.25)	(979.65)	1,456.49	1,973.64	691.97	2,035.67	17.32	2,864.10
50 mph	(1,831.31)	(161.76)	(837.06)	1,316.54	1,759.28	616.49	1,617.88	13.75	2,493.80
55 mph	(1,136.80)	(100.41)	(519.74)	1,315.22	1,608.42	563.60	381.57	3.24	2,115.11
60 mph	(523.43)	(46.28)	(239.74)	760.37	906.95	317.78	23,169.08	196.89	24,541.63
65 mph	(411.37)	(36.44)	(188.89)	204.28	304.35	106.59	-	-	(21.48)
70 mph	(9,780.76)	(869.91)	(4,477.22)	4,929.88	7,269.43	2,535.11	-	-	(393.47)
total	(6,037.86)	(539.36)	(2,766.77)	19,759.99	23,781.52	8,324.50	42,064.05	361.06	84,947.12

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	4.57	0.03	1.76	16.67	311.04	244.73	2,950.12	9,236.47	12,765.41
15 mph	0.84	0.01	0.32	3.14	44.93	36.05	663.40	1,930.00	2,678.68
20 mph	4.11	0.03	1.60	15.63	230.10	184.72	1,699.47	4,776.88	6,912.55
25 mph	14.38	0.10	5.60	55.19	850.41	685.96	6,181.00	17,046.75	24,839.38
30 mph	11.96	0.08	4.65	45.87	742.40	594.68	4,342.05	11,946.04	17,687.73
35 mph	6.31	0.04	2.44	24.36	434.16	347.73	1,551.57	4,364.23	6,730.84
40 mph	2.53	0.02	0.98	9.77	181.25	143.79	1,243.99	3,480.07	5,062.40
45 mph	1.63	0.01	0.63	6.27	117.91	92.18	1,515.67	4,224.58	5,958.88
50 mph	1.64	0.01	0.63	6.31	123.73	95.68	1,827.50	4,999.40	7,054.89
55 mph	2.99	0.02	1.15	11.64	226.04	173.14	170.89	469.80	1,055.69
60 mph	2.09	0.01	0.80	8.11	146.65	111.62	730.09	1,991.68	2,991.04
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	53.05	0.36	20.56	202.96	3,408.64	2,710.28	22,875.74	64,465.90	93,737.49

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(2.21)	(0.02)	(0.86)	3.20	80.59	64.70	1,327.00	3,729.95	5,202.35
25 mph	(2.78)	(0.02)	(1.08)	4.07	107.23	86.49	2,316.64	6,389.12	8,899.66
30 mph	(4.02)	(0.03)	(1.56)	5.88	162.52	130.18	5,085.62	13,991.79	19,370.37
35 mph	(5.82)	(0.04)	(2.26)	8.56	260.68	208.79	5,451.82	15,334.80	21,256.53
40 mph	(8.17)	(0.05)	(3.16)	12.02	380.89	302.17	5,828.07	16,304.14	22,815.91
45 mph	(17.10)	(0.11)	(6.60)	25.04	805.32	629.60	3,944.94	10,995.63	16,376.72
50 mph	(14.52)	(0.10)	(5.59)	21.32	715.04	552.94	2,335.05	6,387.86	9,992.01
55 mph	(11.05)	(0.07)	(4.25)	16.36	542.89	415.83	800.62	2,201.03	3,961.37
60 mph	(5.99)	(0.04)	(2.30)	8.86	273.95	208.50	59,858.11	163,292.58	223,633.66
65 mph	(3.37)	(0.02)	(1.29)	4.99	139.23	104.89	-	-	244.43
70 mph	(86.43)	(0.54)	(32.35)	128.53	3,362.36	2,530.89	-	-	5,902.45
total	(161.49)	(1.04)	(61.29)	238.84	6,830.70	5,234.98	86,947.87	238,626.90	337,655.47

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	221.50	250.82	1,137.58	1,972.91	3,582.81
15 mph	22.31	0.15	8.67	10.85	188.69	151.38	1,312.55	3,818.58	5,513.19
25 mph	-	-	-	-	344.65	278.01	3,969.82	10,948.46	15,540.93
35 mph	35.41	0.24	13.72	17.32	-	-	-	-	66.68
total	57.72	0.39	22.39	28.18	754.84	680.21	6,419.95	16,739.95	24,703.61

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	221.50	250.82	1,137.58	1,972.91	3,582.81
10 mph	4.57	0.03	1.76	16.67	311.04	244.73	2,950.12	9,236.47	12,765.41
15 mph	23.14	0.16	9.00	13.99	233.62	187.43	1,975.95	5,748.58	8,191.87
20 mph	1.90	0.01	0.74	18.84	310.70	249.41	3,026.47	8,506.83	12,114.90
25 mph	11.59	0.08	4.51	59.26	1,302.29	1,050.46	12,467.45	34,384.32	49,279.97
30 mph	7.94	0.05	3.08	51.75	904.92	724.86	9,427.67	25,937.83	37,058.10
35 mph	35.90	0.24	13.91	50.24	694.84	556.51	7,003.39	19,699.03	28,054.05
40 mph	(5.64)	(0.04)	(2.18)	21.79	562.14	445.96	7,072.06	19,784.21	27,878.30
45 mph	(15.47)	(0.10)	(5.97)	31.31	923.23	721.78	5,460.61	15,220.21	22,335.60
50 mph	(12.89)	(0.09)	(4.96)	27.63	838.77	648.62	4,162.56	11,387.26	17,046.91
55 mph	(8.05)	(0.05)	(3.10)	28.01	768.94	588.98	971.51	2,670.83	5,017.06
60 mph	(3.90)	(0.03)	(1.50)	16.97	420.60	320.11	60,588.20	165,284.26	226,624.71
65 mph	(3.37)	(0.02)	(1.29)	4.99	139.23	104.89	-	-	244.43
70 mph	(86.43)	(0.54)	(32.35)	128.53	3,362.36	2,530.89	-	-	5,902.45
total	(50.72)	(0.29)	(18.34)	469.97	10,994.18	8,625.46	116,243.56	319,832.74	456,096.57

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								773.41	773.41
15 mph								185.44	185.44
20 mph								485.48	485.48
25 mph								1,862.90	1,862.90
30 mph								1,408.33	1,408.33
35 mph								537.38	537.38
40 mph								451.61	451.61
45 mph								560.59	560.59
50 mph								664.23	664.23
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	6,929.38	6,929.38

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								379.08	379.08
25 mph								698.22	698.22
30 mph								1,649.51	1,649.51
35 mph								1,888.22	1,888.22
40 mph								2,115.80	2,115.80
45 mph								1,459.08	1,459.08
50 mph								848.71	848.71
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	4,615.03	4,615.03

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								113.41	113.41
15 mph								366.89	366.89
25 mph								1,196.47	1,196.47
35 mph								-	-
total	-	-	-	-	-	-	-	1,676.77	1,676.77

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								113.41	113.41
10 mph								773.41	773.41
15 mph								552.33	552.33
20 mph								864.57	864.57
25 mph								3,757.59	3,757.59
30 mph								3,057.84	3,057.84
35 mph								2,425.60	2,425.60
40 mph								2,567.41	2,567.41
45 mph								2,019.66	2,019.66
50 mph								1,512.94	1,512.94
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	17,644.76	17,644.76

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	566.23	373.45	1,624.69	2,093.18	4,657.55
10 mph	549.44	48.15	250.82	717.79	921.61	458.86	3,893.88	10,017.93	16,858.47
15 mph	2,762.71	242.01	1,260.45	580.97	809.74	389.33	2,632.81	6,306.53	14,984.56
20 mph	230.03	20.15	104.95	783.34	1,057.04	511.01	4,004.46	9,379.79	16,090.78
25 mph	1,430.19	125.38	652.89	2,490.20	4,317.31	2,107.22	16,418.02	38,175.80	65,717.01
30 mph	1,002.80	87.96	458.10	2,232.11	2,950.16	1,441.76	12,451.16	29,021.56	49,645.62
35 mph	4,648.22	407.96	2,124.75	2,212.45	2,147.90	1,065.92	9,335.97	22,144.56	44,087.73
40 mph	(756.11)	(66.37)	(345.61)	992.86	1,730.52	855.59	9,559.56	22,372.86	34,343.30
45 mph	(2,157.56)	(189.35)	(985.62)	1,487.80	2,896.88	1,413.75	7,496.28	17,257.19	27,219.36
50 mph	(1,844.20)	(161.85)	(842.02)	1,344.17	2,598.04	1,265.11	5,780.44	12,913.95	21,053.65
55 mph	(1,144.85)	(100.46)	(522.84)	1,343.23	2,377.35	1,152.58	1,353.07	2,674.08	7,132.16
60 mph	(527.33)	(46.30)	(241.24)	777.34	1,327.55	637.90	83,757.27	165,481.15	251,166.33
65 mph	(414.74)	(36.47)	(190.18)	209.27	443.58	211.48	-	-	222.95
70 mph	(9,867.20)	(870.45)	(4,509.57)	5,058.42	10,631.79	5,066.00	-	-	5,508.99
STREX	113.49	10.08	53.11	250.10	20.60	7.15	20.40	0.18	475.11
total	(5,975.09)	(529.58)	(2,732.00)	20,480.07	34,796.30	16,957.11	158,328.01	337,838.74	**559,163.57**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	50.28	59.01	62.85	78.00	18.35	20.89	36.56	45.28
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	113.49	10.08	53.11	250.10	20.60	7.15	20.40	0.18
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	113.49	10.08	53.11	250.10	20.60	7.15	20.40	0.18

World Logistics Center
Mobile Emissions - 2026 (Net) - Unmitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
25.92	883.82	359.77	5.51	7.49	97.98	62.56	168.03	7.15	24.05	24.41	55.61	5.47	77.28	22.71	596,871.76

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
4.73	161.30	65.66	1.01	1.37	17.88	11.42	30.67	1.31	4.39	4.45	10.15	1.00	14.10	4.14	108,929.10

World Logistics Center
Mobile Emissions - 2026 (Net) - Unmitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	1,045.46	10.83	35.35	11,898.41	123.31	402.28
LDT1	79.22	0.03	1.30	901.59	0.31	14.75
LDT2	391.71	3.14	8.22	4,458.08	35.77	93.54
MDT	1,543.31	41.63	31.14	23,619.23	637.16	476.60
LHDT1	536.21	442.44	-	11,966.49	9,873.78	-
LHDT2	162.37	308.14	-	3,623.66	6,876.69	-
MHDT	256.16	1,352.34	-	11,186.12	59,053.63	-
HHDT	1.74	2,535.33	145.04	75.81	110,712.00	6,333.39

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	8,417.53	87.24	284.59	3,480.88	36.07	117.69
LDT1	637.83	0.22	10.44	263.76	0.09	4.32
LDT2	3,153.86	25.30	66.17	1,304.21	10.46	27.36
MDT	12,673.65	341.89	255.74	10,945.58	295.27	220.87
LHDT1	5,774.85	4,764.94	-	6,191.64	5,108.84	-
LHDT2	1,748.73	3,318.59	-	1,874.94	3,558.10	-
MHDT	2,428.86	12,822.40	-	8,757.26	46,231.23	-
HHDT	16.46	24,039.05	1,375.18	59.35	86,672.95	4,958.22

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	420.88	31.89	157.69	633.68	288.74	87.44	145.73	0.99	1,767.04
15 mph	168.35	12.76	63.08	253.47	115.50	34.97	48.58	0.33	697.04
20 mph	336.70	25.51	126.15	506.95	230.99	69.95	97.15	0.66	1,394.07
25 mph	1,683.51	127.57	630.77	2,534.73	1,154.97	349.75	534.35	3.62	7,019.26
30 mph	1,851.86	140.32	693.85	2,788.20	1,270.47	384.72	485.77	3.29	7,618.48
35 mph	1,515.16	114.81	567.70	2,281.26	1,039.47	314.77	218.60	1.48	6,053.24
40 mph	505.05	38.27	189.23	760.42	346.49	104.92	242.89	1.65	2,188.92
45 mph	420.88	31.89	157.69	633.68	288.74	87.44	194.31	1.32	1,815.95
50 mph	420.88	31.89	157.69	633.68	288.74	87.44	315.75	2.14	1,938.21
55 mph	336.70	25.51	126.15	506.95	230.99	69.95	72.87	0.49	1,369.62
60 mph	673.40	51.03	252.31	1,013.89	461.99	139.90	72.87	0.49	2,665.88
65 mph	84.18	6.38	31.54	126.74	57.75	17.49	-	-	324.06
70 mph	-	-	-	-	-	-	-	-	-
total	8,417.53	637.83	3,153.86	12,673.65	5,774.85	1,748.73	2,428.86	16.46	34,851.78

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	34.81	2.64	13.04	109.46	61.92	18.75	-	-	240.61
15 mph	34.81	2.64	13.04	109.46	61.92	18.75	-	-	240.61
20 mph	34.81	2.64	13.04	109.46	61.92	18.75	175.15	1.19	416.94
25 mph	69.62	5.28	26.08	218.91	123.83	37.50	306.50	2.08	789.80
30 mph	139.24	10.55	52.17	437.82	247.67	75.00	525.44	3.56	1,491.44
35 mph	313.28	23.74	117.38	985.10	557.25	168.74	525.44	3.56	2,694.49
40 mph	348.09	26.38	130.42	1,094.56	619.16	187.49	481.65	3.26	2,891.02
45 mph	278.47	21.10	104.34	875.65	495.33	149.99	350.29	2.37	2,277.55
50 mph	313.28	23.74	117.38	985.10	557.25	168.74	175.15	1.19	2,341.82
55 mph	174.04	13.19	65.21	547.28	309.58	93.75	87.57	0.59	1,291.22
60 mph	104.43	7.91	39.13	328.37	185.75	56.25	6,130.08	41.54	6,893.46
65 mph	34.81	2.64	13.04	109.46	61.92	18.75	-	-	240.61
70 mph	1,601.21	121.33	599.94	5,034.97	2,848.15	862.47	-	-	11,068.07
total	3,480.88	263.76	1,304.21	10,945.58	6,191.64	1,874.94	8,757.26	59.35	32,877.63

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	36.91	11.18	17.00	0.17	65.25
15 mph	3,337.91	252.93	1,250.64	369.36	185.31	56.12	82.86	0.56	5,535.68
25 mph	-	-	-	-	351.94	106.57	362.57	2.46	823.55
35 mph	14,361.78	1,088.26	5,381.05	1,460.36	-	-	-	-	22,291.45
total	17,699.69	1,341.18	6,631.69	1,829.72	537.25	162.69	445.43	3.02	28,650.67

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	36.91	11.18	17.00	0.17	65.25
10 mph	455.69	34.53	170.74	743.14	350.66	106.19	145.73	0.99	2,007.65
15 mph	3,541.07	268.32	1,326.76	732.29	362.72	109.84	131.43	0.89	6,473.32
20 mph	371.51	28.15	139.20	616.40	292.91	88.70	272.30	1.85	1,811.01
25 mph	1,753.12	132.84	656.86	2,753.64	1,630.75	493.82	1,203.43	8.16	8,632.61
30 mph	1,991.09	150.87	746.02	3,226.03	1,518.13	459.72	1,011.21	6.85	9,109.92
35 mph	16,190.22	1,226.80	6,066.12	4,726.72	1,596.72	483.51	744.03	5.04	31,039.18
40 mph	853.14	64.65	319.65	1,854.98	965.66	292.42	724.54	4.91	5,079.93
45 mph	699.35	52.99	262.03	1,509.33	784.07	237.43	544.60	3.69	4,093.49
50 mph	734.16	55.63	275.07	1,618.79	845.99	256.18	490.90	3.33	4,280.04
55 mph	510.75	38.70	191.37	1,054.23	540.58	163.70	160.44	1.09	2,660.83
60 mph	777.83	58.94	291.44	1,342.26	647.74	196.15	6,202.95	42.04	9,559.34
65 mph	118.98	9.02	44.58	236.19	119.66	36.24	-	-	564.67
70 mph	1,601.21	121.33	599.94	5,034.97	2,848.15	862.47	-	-	11,068.07
total	29,598.11	2,242.78	11,089.76	25,448.95	12,503.74	3,786.35	11,631.55	78.83	96,380.08

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	4.36	0.01	1.27	17.09	238.25	165.93	769.34	1,442.34	2,638.60
15 mph	1.74	0.00	0.51	6.84	95.30	66.37	256.45	480.78	907.99
20 mph	3.49	0.01	1.01	13.68	190.60	132.74	512.90	961.56	1,815.98
25 mph	17.45	0.04	5.06	68.38	952.99	663.72	2,820.93	5,288.59	9,817.15
30 mph	19.19	0.05	5.57	75.21	1,048.29	730.09	2,564.48	4,807.81	9,250.69
35 mph	15.70	0.04	4.55	61.54	857.69	597.35	1,154.02	2,163.51	4,854.40
40 mph	5.23	0.01	1.52	20.51	285.90	199.12	1,282.24	2,403.91	4,198.43
45 mph	4.36	0.01	1.27	17.09	238.25	165.93	1,025.79	1,923.12	3,375.82
50 mph	4.36	0.01	1.27	17.09	238.25	165.93	1,666.91	3,125.08	5,218.90
55 mph	3.49	0.01	1.01	13.68	190.60	132.74	384.67	721.17	1,447.37
60 mph	6.98	0.02	2.02	27.35	381.20	265.49	384.67	721.17	1,788.90
65 mph	0.87	0.00	0.25	3.42	47.65	33.19	-	-	85.38
70 mph	-	-	-	-	-	-	-	-	-
total	87.24	0.22	25.30	341.89	4,764.94	3,318.59	12,822.40	24,039.05	45,399.62

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.36	0.00	0.10	2.95	51.09	35.58	-	-	90.09
15 mph	0.36	0.00	0.10	2.95	51.09	35.58	-	-	90.09
20 mph	0.36	0.00	0.10	2.95	51.09	35.58	924.62	1,733.46	2,748.17
25 mph	0.72	0.00	0.21	5.91	102.18	71.16	1,618.09	3,033.55	4,831.82
30 mph	1.44	0.00	0.42	11.81	204.35	142.32	2,773.87	5,200.38	8,334.60
35 mph	3.25	0.01	0.94	26.57	459.80	320.23	2,773.87	5,200.38	8,785.05
40 mph	3.61	0.01	1.05	29.53	510.88	355.81	2,542.72	4,767.01	8,210.61
45 mph	2.89	0.01	0.84	23.62	408.71	284.65	1,849.25	3,466.92	6,036.87
50 mph	3.25	0.01	0.94	26.57	459.80	320.23	924.62	1,733.46	3,468.88
55 mph	1.80	0.00	0.52	14.76	255.44	177.91	462.31	866.73	1,779.48
60 mph	1.08	0.00	0.31	8.86	153.27	106.74	32,361.86	60,671.07	93,303.19
65 mph	0.36	0.00	0.10	2.95	51.09	35.58	-	-	90.09
70 mph	16.59	0.04	4.81	135.82	2,350.07	1,636.73	-	-	4,144.07
total	36.07	0.09	10.46	295.27	5,108.84	3,558.10	46,231.23	86,672.95	141,913.02

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	30.45	21.21	89.73	168.22	309.62
15 mph	34.59	0.09	10.03	9.96	152.90	106.49	437.41	820.05	1,571.53
25 mph	-	-	-	-	290.39	202.25	1,914.10	3,588.49	5,995.23
35 mph	148.84	0.37	43.17	39.39	-	-	-	-	231.77
total	183.43	0.45	53.21	49.36	443.30	308.74	2,351.51	4,408.54	7,798.53

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	30.45	21.21	89.73	168.22	309.62
10 mph	4.72	0.01	1.37	20.05	289.34	201.51	769.34	1,442.34	2,728.68
15 mph	36.70	0.09	10.64	19.75	299.29	208.44	693.86	1,300.83	2,569.61
20 mph	3.85	0.01	1.12	16.63	241.69	168.32	1,437.52	2,695.02	4,564.16
25 mph	18.17	0.05	5.27	74.28	1,345.56	937.13	6,353.12	11,910.63	20,644.20
30 mph	20.63	0.05	5.99	87.03	1,252.64	872.41	5,338.35	10,008.19	17,585.29
35 mph	167.79	0.42	48.67	127.51	1,317.48	917.58	3,927.89	7,363.89	13,871.22
40 mph	8.84	0.02	2.56	50.04	796.78	554.93	3,824.96	7,170.92	12,409.05
45 mph	7.25	0.02	2.10	40.72	646.95	450.58	2,875.04	5,390.04	9,412.70
50 mph	7.61	0.02	2.21	43.67	698.04	486.16	2,591.54	4,858.54	8,687.78
55 mph	5.29	0.01	1.54	28.44	446.04	310.65	846.98	1,587.90	3,226.85
60 mph	8.06	0.02	2.34	36.21	534.46	372.23	32,746.53	61,392.24	95,092.09
65 mph	1.23	0.00	0.36	6.37	98.74	68.77	-	-	175.47
70 mph	16.59	0.04	4.81	135.82	2,350.07	1,636.73	-	-	4,144.07
total	306.74	0.76	88.97	686.51	10,317.08	7,185.43	61,405.13	115,120.54	195,111.17

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	14.23	0.52	3.31	12.79	-	-	-	82.51	113.36
15 mph	5.69	0.21	1.32	5.11	-	-	-	27.50	39.84
20 mph	11.38	0.42	2.65	10.23	-	-	-	55.01	79.68
25 mph	56.92	2.09	13.23	51.15	-	-	-	302.54	425.93
30 mph	62.61	2.30	14.56	56.26	-	-	-	275.04	410.76
35 mph	51.23	1.88	11.91	46.03	-	-	-	123.77	234.82
40 mph	17.08	0.63	3.97	15.34	-	-	-	137.52	174.53
45 mph	14.23	0.52	3.31	12.79	-	-	-	110.01	140.86
50 mph	14.23	0.52	3.31	12.79	-	-	-	178.77	209.62
55 mph	11.38	0.42	2.65	10.23	-	-	-	41.26	65.93
60 mph	22.77	0.83	5.29	20.46	-	-	-	41.26	90.61
65 mph	2.85	0.10	0.66	2.56	-	-	-	-	6.17
70 mph	-	-	-	-	-	-	-	-	-
total	284.59	10.44	66.17	255.74	-	-	-	1,375.18	1,992.12

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	1.18	0.04	0.27	2.21	-	-	-	-	3.70
15 mph	1.18	0.04	0.27	2.21	-	-	-	-	3.70
20 mph	1.18	0.04	0.27	2.21	-	-	-	99.16	102.87
25 mph	2.35	0.09	0.55	4.42	-	-	-	173.54	180.94
30 mph	4.71	0.17	1.09	8.83	-	-	-	297.49	312.30
35 mph	10.59	0.39	2.46	19.88	-	-	-	297.49	330.81
40 mph	11.77	0.43	2.74	22.09	-	-	-	272.70	309.73
45 mph	9.42	0.35	2.19	17.67	-	-	-	198.33	227.95
50 mph	10.59	0.39	2.46	19.88	-	-	-	99.16	132.49
55 mph	5.88	0.22	1.37	11.04	-	-	-	49.58	68.09
60 mph	3.53	0.13	0.82	6.63	-	-	-	3,470.75	3,481.86
65 mph	1.18	0.04	0.27	2.21	-	-	-	-	3.70
70 mph	54.14	1.99	12.59	101.60	-	-	-	-	170.31
total	117.69	4.32	27.36	220.87	-	-	-	4,958.22	5,328.45

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	9.62	9.62
15 mph	112.85	4.14	26.24	7.45	-	-	-	46.91	197.60
25 mph	-	-	-	-	-	-	-	205.28	205.28
35 mph	485.57	17.80	112.90	29.47	-	-	-	-	645.74
total	598.42	21.94	139.14	36.92	-	-	-	252.19	1,048.62

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	9.62	9.62
10 mph	15.41	0.56	3.58	15.00	-	-	-	82.51	117.06
15 mph	119.72	4.39	27.84	14.78	-	-	-	74.42	241.14
20 mph	12.56	0.46	2.92	12.44	-	-	-	154.17	182.55
25 mph	59.27	2.17	13.78	55.56	-	-	-	681.36	812.15
30 mph	67.32	2.47	15.65	65.10	-	-	-	572.53	723.06
35 mph	547.39	20.07	127.28	95.38	-	-	-	421.26	1,211.37
40 mph	28.84	1.06	6.71	37.43	-	-	-	410.22	484.26
45 mph	23.64	0.87	5.50	30.46	-	-	-	308.34	368.81
50 mph	24.82	0.91	5.77	32.66	-	-	-	277.94	342.11
55 mph	17.27	0.63	4.02	21.27	-	-	-	90.84	134.03
60 mph	26.30	0.96	6.11	27.08	-	-	-	3,512.01	3,572.47
65 mph	4.02	0.15	0.94	4.77	-	-	-	-	9.87
70 mph	54.14	1.99	12.59	101.60	-	-	-	-	170.31
total	821.67	30.13	191.05	258.25	-	-	-	1,986.25	8,369.19

World Logistics Center
Mobile Emissions - 2026 (Net) - Unmitigated
Area Source Diesel Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	16430	330	0.21	3450.4	3304.4	34.2	111.7
	LDT1	15	1212	330	0.21	254.6	250.4	0.1	4.1
	LDT2	15	6067	330	0.21	1274.0	1238.1	9.9	26.0
	MDT	15	1828	330	0.21	383.8	366.6	9.9	7.4
	LHDT1	15	1606	330	0.21	337.2	184.8	152.5	0.0
	LHDT2	15	772	330	0.21	162.1	56.0	106.2	0.0
	MHDT	15	2459	330	0.21	516.3	82.2	434.1	0.0
	HHDT	15	4100	330	0.21	860.9	0.6	813.8	46.6
Travel at Light Logistics	LDA	15	118	175	0.11	13.0	12.4	0.1	0.4
	LDT1	15	9	175	0.11	1.0	0.9	0.0	0.0
	LDT2	15	44	175	0.11	4.8	4.7	0.0	0.1
	MDT	15	11	175	0.11	1.2	1.2	0.0	0.0
	LHDT1	15	6	175	0.11	0.7	0.4	0.3	0.0
	LHDT2	15	3	175	0.11	0.3	0.1	0.2	0.0
	MHDT	15	8	175	0.11	0.9	0.1	0.7	0.0
	HHDT	15	13	175	0.11	1.5	0.0	1.4	0.1
Travel at Utility	LDA	15	134	100	0.06	8.0	7.7	0.1	0.3
	LDT1	15	10	100	0.06	0.6	0.6	0.0	0.0
	LDT2	15	49	100	0.06	3.0	2.9	0.0	0.1
	MDT	15	29	100	0.06	1.7	1.6	0.0	0.0
	LHDT1	15	4	100	0.06	0.3	0.1	0.1	0.0
	LHDT2	15	2	100	0.06	0.1	0.0	0.1	0.0
	MHDT	15	8	100	0.06	0.5	0.1	0.4	0.0
	HHDT	15	14	100	0.06	0.8	0.0	0.8	0.0
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	87	50	0.03	2.6	0.4	2.2	0.0
	HHDT	15	145	50	0.03	4.3	0.0	4.1	0.2
Travel at Convenience Store	LDA	15	408	50	0.03	12.2	11.7	0.1	0.4
	LDT1	15	30	50	0.03	0.9	0.9	0.0	0.0
	LDT2	15	151	50	0.03	4.5	4.4	0.0	0.1
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	58	50	0.03	1.7	1.7	0.0	0.1
	LDT1	15	4	50	0.03	0.1	0.1	0.0	0.0
	LDT2	15	21	50	0.03	0.6	0.6	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	3337.9	252.9	1250.6	369.4	185.3	56.1	82.9	0.6
Diesel	34.6	0.1	10.0	10.0	152.9	106.5	437.4	820.0
Electric/Natural Gas (HHDT Only)	112.9	4.1	26.2	7.5	0.0	0.0	0.0	46.9

World Logistics Center
Mobile Emissions - 2026 (Net) - Unmitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	803	440	363	0	2199.8	1815.1	0.0
	LHDT2	5	386	133	253	0	666.1	1264.1	0.0
	MHDT	5	1229	196	1034	0	978.8	5167.5	0.0
	HHDT	5	2050	1	1938	111	6.6	9687.9	554.2
Travel at Light Logistics	LHDT1	5	3	2	1	0	8.8	7.3	0.0
	LHDT2	5	2	1	1	0	2.7	5.1	0.0
	MHDT	5	4	1	3	0	3.2	16.7	0.0
	HHDT	5	7	0	6	0	0.0	31.3	1.8
Travel at Utility	LHDT1	5	2	1	1	0	5.9	4.9	0.0
	LHDT2	5	1	0	1	0	1.8	3.4	0.0
	MHDT	5	4	1	3	0	3.3	17.4	0.0
	HHDT	5	7	0	7	0	0.0	32.6	1.9
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	43	7	36	0	34.5	182.2	0.0
	HHDT	5	72	0	68	4	0.2	341.6	19.5
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	36.9	11.2	17.0	0.2
Diesel	30.5	21.2	89.7	168.2
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	9.6

World Logistics Center
Mobile Emissions - 2026 (Net) - Unmitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					16.1996	16.3428	27.0405	11.7648
10 mph	0.0251	0.0671	0.0453	0.0568	0.0707	0.0515	0.1248	1.5111
15 mph	0.0168	0.0457	0.0305	0.0383	0.0483	0.0348	0.0838	1.0012
20 mph	0.0119	0.0329	0.0217	0.0272	0.0355	0.0250	0.0596	0.7108
25 mph	0.0087	0.0247	0.0161	0.0202	0.0269	0.0186	0.0436	0.5278
30 mph	0.0068	0.0194	0.0125	0.0158	0.0214	0.0145	0.0335	0.4144
35 mph	0.0055	0.0161	0.0102	0.0130	0.0181	0.0120	0.0273	0.3441
40 mph	0.0048	0.0140	0.0089	0.0113	0.0161	0.0106	0.0238	0.3014
45 mph	0.0044	0.0128	0.0082	0.0103	0.0151	0.0098	0.0217	0.2776
50 mph	0.0042	0.0124	0.0078	0.0100	0.0148	0.0095	0.0210	0.2690
55 mph	0.0043	0.0124	0.0079	0.0101	0.0154	0.0097	0.0216	0.2755
60 mph	0.0045	0.0129	0.0083	0.0106	0.0165	0.0104	0.0232	0.2947
65 mph	0.0050	0.0141	0.0090	0.0117	0.0189	0.0118		
70 mph	0.0052	0.0167	0.0094	0.0126	0.0196	0.0111		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5278	2.3627
10 mph	0.1047	0.4502	0.1934	0.1076	0.5435	0.5472	0.0357	0.0827
15 mph	0.0533	0.3034	0.0950	0.0532	0.2794	0.2795	0.0198	0.0475
20 mph	0.0231	0.2143	0.0375	0.0217	0.1265	0.1252	0.0132	0.0293
25 mph	0.0148	0.1675	0.0227	0.0135	0.0829	0.0816	0.0103	0.0246
30 mph	0.0113	0.1393	0.0172	0.0103	0.0655	0.0641	0.0083	0.0199
35 mph	0.0092	0.1217	0.0137	0.0084	0.0549	0.0534	0.0068	0.0163
40 mph	0.0078	0.1108	0.0114	0.0070	0.0479	0.0462	0.0059	0.0140
45 mph	0.0068	0.1052	0.0097	0.0061	0.0430	0.0413	0.0054	0.0129
50 mph	0.0062	0.1050	0.0085	0.0054	0.0405	0.0386	0.0054	0.0129
55 mph	0.0058	0.1097	0.0075	0.0049	0.0387	0.0369	0.0059	0.0142
60 mph	0.0058	0.1194	0.0072	0.0048	0.0394	0.0373	0.0068	0.0165
65 mph	0.0061	0.1371	0.0073	0.0050	0.0450	0.0421		
70 mph	0.0062	0.1610	0.0075	0.0055	0.0718	0.0615		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0733
10 mph								0.6151
15 mph								0.3849
20 mph								0.2466
25 mph								0.1822
30 mph								0.1392
35 mph								0.1069
40 mph								0.0828
45 mph								0.0651
50 mph								0.0523
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0233	0.0047	0.0157	0.0793	0.0450	0.0099	0.0401	0.0033	0.2214
15 mph	0.0063	0.0013	0.0042	0.0214	0.0123	0.0027	0.0090	0.0007	0.0579
20 mph	0.0088	0.0019	0.0060	0.0305	0.0181	0.0038	0.0128	0.0010	0.0829
25 mph	0.0324	0.0069	0.0224	0.1131	0.0685	0.0143	0.0514	0.0042	0.3132
30 mph	0.0276	0.0060	0.0192	0.0971	0.0600	0.0123	0.0359	0.0030	0.2610
35 mph	0.0184	0.0041	0.0128	0.0651	0.0414	0.0083	0.0131	0.0011	0.1645
40 mph	0.0053	0.0012	0.0037	0.0189	0.0123	0.0024	0.0128	0.0011	0.0577
45 mph	0.0041	0.0009	0.0028	0.0145	0.0096	0.0019	0.0093	0.0008	0.0439
50 mph	0.0039	0.0009	0.0027	0.0139	0.0094	0.0018	0.0146	0.0013	0.0486
55 mph	0.0032	0.0007	0.0022	0.0113	0.0078	0.0015	0.0035	0.0003	0.0305
60 mph	0.0067	0.0015	0.0046	0.0237	0.0168	0.0032	0.0037	0.0003	0.0605
65 mph	0.0009	0.0002	0.0006	0.0033	0.0024	0.0005	-	-	0.0079
70 mph	-	-	-	-	-	-	-	-	-
total	0.1409	0.0302	0.0971	0.4920	0.3037	0.0628	0.2061	0.0172	1.3499

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0019	0.0004	0.0013	0.0137	0.0096	0.0021	-	-	0.0291
15 mph	0.0013	0.0003	0.0009	0.0092	0.0066	0.0014	-	-	0.0197
20 mph	0.0009	0.0002	0.0006	0.0066	0.0048	0.0010	0.0230	0.0019	0.0391
25 mph	0.0013	0.0003	0.0009	0.0098	0.0073	0.0015	0.0295	0.0024	0.0531
30 mph	0.0021	0.0005	0.0014	0.0152	0.0117	0.0024	0.0388	0.0033	0.0754
35 mph	0.0038	0.0008	0.0027	0.0281	0.0222	0.0045	0.0316	0.0027	0.0964
40 mph	0.0037	0.0008	0.0026	0.0272	0.0220	0.0044	0.0253	0.0022	0.0881
45 mph	0.0027	0.0006	0.0019	0.0200	0.0165	0.0032	0.0167	0.0015	0.0631
50 mph	0.0029	0.0006	0.0020	0.0217	0.0182	0.0035	0.0081	0.0007	0.0578
55 mph	0.0016	0.0004	0.0011	0.0122	0.0105	0.0020	0.0042	0.0004	0.0324
60 mph	0.0010	0.0002	0.0007	0.0077	0.0068	0.0013	0.3133	0.0270	0.3580
65 mph	0.0004	0.0001	0.0003	0.0028	0.0026	0.0005	-	-	0.0066
70 mph	0.0184	0.0045	0.0125	0.1403	0.1229	0.0211	-	-	0.3196
total	0.0421	0.0096	0.0289	0.3144	0.2618	0.0490	0.4905	0.0419	1.2383

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.3184	0.4028	1.0134	0.0043	2.7389
15 mph	0.1240	0.0255	0.0842	0.0312	0.0197	0.0043	0.0153	0.0012	0.3055
25 mph	-	-	-	-	0.0209	0.0044	0.0349	0.0029	0.0630
35 mph	0.1745	0.0386	0.1215	0.0417	-	-	-	-	0.3763
total	0.2985	0.0641	0.2057	0.0729	1.3590	0.4114	1.0636	0.0084	3.4837

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.3184	0.4028	1.0134	0.0043	2.7389
10 mph	0.0252	0.0051	0.0170	0.0930	0.0546	0.0121	0.0401	0.0033	0.2505
15 mph	0.1316	0.0270	0.0894	0.0619	0.0386	0.0084	0.0243	0.0020	0.3832
20 mph	0.0097	0.0020	0.0067	0.0370	0.0229	0.0049	0.0358	0.0029	0.1219
25 mph	0.0338	0.0072	0.0233	0.1228	0.0967	0.0202	0.1158	0.0095	0.4293
30 mph	0.0297	0.0065	0.0206	0.1123	0.0717	0.0147	0.0747	0.0063	0.3364
35 mph	0.1967	0.0435	0.1370	0.1350	0.0636	0.0128	0.0447	0.0038	0.6371
40 mph	0.0090	0.0020	0.0063	0.0461	0.0344	0.0068	0.0381	0.0033	0.1459
45 mph	0.0068	0.0015	0.0047	0.0344	0.0261	0.0051	0.0260	0.0023	0.1070
50 mph	0.0068	0.0015	0.0047	0.0356	0.0276	0.0053	0.0227	0.0020	0.1063
55 mph	0.0048	0.0011	0.0033	0.0235	0.0183	0.0035	0.0076	0.0007	0.0628
60 mph	0.0077	0.0017	0.0053	0.0314	0.0236	0.0045	0.3171	0.0273	0.4185
65 mph	0.0013	0.0003	0.0009	0.0061	0.0050	0.0009	-	-	0.0145
70 mph	0.0184	0.0045	0.0125	0.1403	0.1229	0.0211	-	-	0.3196
total	0.4815	0.1039	0.3317	0.8793	1.9245	0.5232	1.7602	0.0676	6.0719

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0010	0.0000	0.0005	0.0041	0.2855	0.2002	0.0605	0.2631	0.8150
15 mph	0.0002	0.0000	0.0001	0.0008	0.0587	0.0409	0.0112	0.0504	0.1623
20 mph	0.0002	0.0000	0.0001	0.0007	0.0532	0.0367	0.0149	0.0622	0.1678
25 mph	0.0006	0.0000	0.0003	0.0020	0.1742	0.1194	0.0639	0.2874	0.6478
30 mph	0.0005	0.0000	0.0002	0.0017	0.1513	0.1032	0.0469	0.2115	0.5153
35 mph	0.0003	0.0000	0.0001	0.0011	0.1039	0.0703	0.0174	0.0777	0.2709
40 mph	0.0001	0.0000	0.0000	0.0003	0.0302	0.0203	0.0165	0.0743	0.1418
45 mph	0.0001	0.0000	0.0000	0.0002	0.0226	0.0151	0.0121	0.0546	0.1048
50 mph	0.0001	0.0000	0.0000	0.0002	0.0213	0.0141	0.0198	0.0889	0.1443
55 mph	0.0000	0.0000	0.0000	0.0001	0.0163	0.0108	0.0050	0.0226	0.0549
60 mph	0.0001	0.0000	0.0000	0.0003	0.0331	0.0218	0.0058	0.0262	0.0873
65 mph	0.0000	0.0000	0.0000	0.0000	0.0047	0.0031	-	-	0.0079
70 mph	-	-	-	-	-	-	-	-	-
total	0.0031	0.0001	0.0015	0.0116	0.9550	0.6559	0.2739	1.2189	3.1201

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0007	0.0612	0.0429	-	-	0.1050
15 mph	0.0000	0.0000	0.0000	0.0003	0.0315	0.0219	-	-	0.0538
20 mph	0.0000	0.0000	0.0000	0.0001	0.0143	0.0098	0.0268	0.1121	0.1632
25 mph	0.0000	0.0000	0.0000	0.0002	0.0187	0.0128	0.0366	0.1649	0.2332
30 mph	0.0000	0.0000	0.0000	0.0003	0.0295	0.0201	0.0507	0.2287	0.3294
35 mph	0.0001	0.0000	0.0000	0.0005	0.0557	0.0377	0.0417	0.1868	0.3225
40 mph	0.0001	0.0000	0.0000	0.0005	0.0539	0.0362	0.0328	0.1473	0.2709
45 mph	0.0000	0.0000	0.0000	0.0003	0.0388	0.0259	0.0219	0.0985	0.1855
50 mph	0.0000	0.0000	0.0000	0.0003	0.0410	0.0272	0.0110	0.0493	0.1289
55 mph	0.0000	0.0000	0.0000	0.0002	0.0218	0.0145	0.0060	0.0272	0.0696
60 mph	0.0000	0.0000	0.0000	0.0001	0.0133	0.0088	0.4880	2.2050	2.7152
65 mph	0.0000	0.0000	0.0000	0.0000	0.0051	0.0033	-	-	0.0084
70 mph	0.0002	0.0000	0.0001	0.0016	0.3722	0.2219	-	-	0.5960
total	0.0007	0.0000	0.0003	0.0051	0.7570	0.4831	0.7155	3.2199	5.1817

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2131	0.1484	0.1044	0.8764	1.3423
15 mph	0.0041	0.0001	0.0021	0.0012	0.0942	0.0656	0.0191	0.0859	0.2723
25 mph	-	-	-	-	0.0531	0.0364	0.0433	0.1950	0.3278
35 mph	0.0030	0.0001	0.0013	0.0007	-	-	-	-	0.0051
total	0.0071	0.0002	0.0034	0.0019	0.3604	0.2504	0.1669	1.1573	1.9475

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2131	0.1484	0.1044	0.8764	1.3423
10 mph	0.0011	0.0000	0.0006	0.0048	0.3467	0.2432	0.0605	0.2631	0.9199
15 mph	0.0043	0.0001	0.0022	0.0023	0.1844	0.1285	0.0303	0.1363	0.4884
20 mph	0.0002	0.0000	0.0001	0.0008	0.0674	0.0465	0.0417	0.1743	0.3310
25 mph	0.0006	0.0000	0.0003	0.0022	0.2460	0.1686	0.1438	0.6473	1.2089
30 mph	0.0005	0.0000	0.0002	0.0020	0.1808	0.1233	0.0976	0.4402	0.8447
35 mph	0.0034	0.0001	0.0015	0.0024	0.1596	0.1080	0.0591	0.2645	0.5985
40 mph	0.0002	0.0000	0.0001	0.0008	0.0841	0.0565	0.0494	0.2216	0.4127
45 mph	0.0001	0.0000	0.0000	0.0005	0.0614	0.0411	0.0340	0.1532	0.2903
50 mph	0.0001	0.0000	0.0000	0.0005	0.0623	0.0414	0.0307	0.1382	0.2732
55 mph	0.0001	0.0000	0.0000	0.0003	0.0381	0.0252	0.0110	0.0498	0.1245
60 mph	0.0001	0.0000	0.0000	0.0004	0.0464	0.0306	0.4938	2.2313	2.8025
65 mph	0.0000	0.0000	0.0000	0.0001	0.0098	0.0064	-	-	0.0163
70 mph	0.0002	0.0000	0.0001	0.0016	0.3722	0.2219	-	-	0.5960
total	0.0109	0.0003	0.0052	0.0187	2.0724	1.3895	1.1563	5.5962	10.2493

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1119	0.1119
15 mph								0.0233	0.0233
20 mph								0.0299	0.0299
25 mph								0.1215	0.1215
30 mph								0.0844	0.0844
35 mph								0.0292	0.0292
40 mph								0.0251	0.0251
45 mph								0.0158	0.0158
50 mph								0.0206	0.0206
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.4618	0.4618

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0539	0.0539
25 mph								0.0697	0.0697
30 mph								0.0913	0.0913
35 mph								0.0701	0.0701
40 mph								0.0498	0.0498
45 mph								0.0285	0.0285
50 mph								0.0114	0.0114
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.2850	0.2850

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0016	0.0016
15 mph								0.0398	0.0398
25 mph								0.0825	0.0825
35 mph								-	-
total	-	-	-	-	-	-	-	0.1238	0.1238

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0016	0.0016
10 mph								0.1119	0.1119
15 mph								0.0632	0.0632
20 mph								0.0838	0.0838
25 mph								0.2737	0.2737
30 mph								0.1757	0.1757
35 mph								0.0993	0.0993
40 mph								0.0749	0.0749
45 mph								0.0442	0.0442
50 mph								0.0321	0.0321
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.9603	0.9603

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2839	0.7694	0.4922	0.5453	0.8560	0.7401	0.4496	0.7095
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS + HOTSOAK Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.6544	0.1344	0.4251	1.8558	1.0121	0.2650	0.2540	0.0027
Electric/NG	-	-	-	-	-	-	-	-
Total	**0.6544**	**0.1344**	**0.4251**	**1.8558**	**1.0121**	**0.2650**	**0.2540**	**0.0027**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3873	0.8460	0.6262	0.7655	0.0789	0.0722	0.0561	0.0850
Electric/NG	0.0314	0.0313	0.0313	0.0314	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.4464	0.0739	0.2704	1.3025	0.0466	0.0129	0.0159	0.0002
Electric/NG	0.0012	0.0000	0.0003	0.0011	-	-	-	-
Total	0.4477	0.0739	0.2707	1.3036	0.0466	0.0129	0.0159	0.0002

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1647	0.2492	0.2344	0.2900	0.0951	0.0956	0.1773	0.0016
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3797	0.0435	0.2024	0.9868	0.1125	0.0342	0.1001	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.3797	0.0435	0.2024	0.9868	0.1125	0.0342	0.1001	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.5315	0.5512	1.1179	0.8823	4.0828
10 mph	0.0263	0.0051	0.0176	0.0978	0.4014	0.2552	0.1006	0.3783	1.2823
15 mph	0.1359	0.0271	0.0916	0.0642	0.2230	0.1369	0.0546	0.2014	0.9347
20 mph	0.0099	0.0020	0.0068	0.0378	0.0904	0.0514	0.0775	0.2610	0.5368
25 mph	0.0344	0.0072	0.0236	0.1250	0.3427	0.1889	0.2596	0.9305	1.9119
30 mph	0.0302	0.0065	0.0208	0.1143	0.2525	0.1381	0.1723	0.6221	1.3568
35 mph	0.2001	0.0436	0.1384	0.1373	0.2232	0.1208	0.1038	0.3676	1.3349
40 mph	0.0091	0.0020	0.0063	0.0469	0.1185	0.0633	0.0874	0.2998	0.6334
45 mph	0.0069	0.0015	0.0048	0.0350	0.0875	0.0462	0.0600	0.1997	0.4415
50 mph	0.0069	0.0015	0.0048	0.0361	0.0899	0.0467	0.0534	0.1723	0.4117
55 mph	0.0049	0.0011	0.0034	0.0238	0.0564	0.0288	0.0186	0.0504	0.1873
60 mph	0.0078	0.0017	0.0053	0.0317	0.0699	0.0351	0.8108	2.2586	3.2210
65 mph	0.0013	0.0003	0.0009	0.0061	0.0148	0.0073	-	-	0.0307
70 mph	0.0186	0.0045	0.0126	0.1419	0.4951	0.2430	-	-	0.9157
RUNLOSS HO	0.6544	0.1344	0.4251	1.8558	1.0121	0.2650	0.2540	0.0027	4.6035
RESTLOSS DIL	0.4477	0.0739	0.2707	1.3036	0.0466	0.0129	0.0159	0.0002	2.1714
STREX	0.3797	0.0435	0.2024	0.9868	0.1125	0.0342	0.1001	0.0000	1.8592
total	1.9742	0.3560	1.2351	5.0440	5.1681	2.2248	3.2865	6.6269	**25.9157**

World Logistics Center
Mobile Emissions - 2026 (Net) - Unmitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.4131	1.4246	2.4028	27.6238
10 mph	0.0419	0.1152	0.0842	0.1035	0.1859	0.2009	0.3721	4.9267
15 mph	0.0369	0.0991	0.0733	0.0901	0.1644	0.1766	0.3308	4.3601
20 mph	0.0331	0.0876	0.0653	0.0804	0.1523	0.1606	0.3006	3.9872
25 mph	0.0300	0.0785	0.0588	0.0726	0.1411	0.1469	0.2716	3.6755
30 mph	0.0277	0.0721	0.0540	0.0670	0.1336	0.1370	0.2484	3.4552
35 mph	0.0259	0.0677	0.0504	0.0629	0.1288	0.1300	0.2316	3.3055
40 mph	0.0247	0.0647	0.0481	0.0601	0.1254	0.1249	0.2221	3.1969
45 mph	0.0240	0.0632	0.0468	0.0585	0.1233	0.1216	0.2137	3.1295
50 mph	0.0237	0.0636	0.0464	0.0583	0.1237	0.1202	0.2115	3.1117
55 mph	0.0240	0.0659	0.0476	0.0598	0.1271	0.1224	0.2156	3.1715
60 mph	0.0251	0.0702	0.0501	0.0629	0.1318	0.1271	0.2235	3.2769
65 mph	0.0261	0.0755	0.0528	0.0666	0.1392	0.1334		
70 mph	0.0268	0.0858	0.0540	0.0710	0.1562	0.1344		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					47.0842	47.3832	35.4064	28.9981
10 mph	0.0843	0.6586	0.1265	0.0816	0.8429	0.8011	5.0792	11.8866
15 mph	0.0630	0.6703	0.0860	0.0575	0.7226	0.6919	3.5791	7.7974
20 mph	0.0481	0.6879	0.0581	0.0414	0.7169	0.6751	2.8474	5.3816
25 mph	0.0414	0.7080	0.0453	0.0344	0.7168	0.6704	2.2298	4.5861
30 mph	0.0380	0.7306	0.0386	0.0312	0.7524	0.6958	1.6771	3.4567
35 mph	0.0356	0.7523	0.0343	0.0294	0.8127	0.7391	1.2369	2.6767
40 mph	0.0344	0.7805	0.0312	0.0280	0.8641	0.7784	0.9093	1.9852
45 mph	0.0340	0.8122	0.0289	0.0269	0.9006	0.8085	0.6946	1.5377
50 mph	0.0339	0.8420	0.0273	0.0266	0.9536	0.8535	0.5971	1.2694
55 mph	0.0337	0.8775	0.0260	0.0262	0.9725	0.8742	0.6133	1.3112
60 mph	0.0344	0.9108	0.0256	0.0264	0.9884	0.8879	0.7427	1.5625
65 mph	0.0346	0.9318	0.0259	0.0275	1.1145	0.9909		
70 mph	0.0364	0.9152	0.0283	0.0333	2.0327	1.6485		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								33.7162
10 mph								3.6401
15 mph								2.7155
20 mph								2.1309
25 mph								1.8390
30 mph								1.6649
35 mph								1.5369
40 mph								1.4404
45 mph								1.3676
50 mph								1.3141
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0389	0.0081	0.0293	0.1446	0.1184	0.0387	0.1196	0.0107	0.5082
15 mph	0.0137	0.0028	0.0102	0.0504	0.0419	0.0136	0.0354	0.0032	0.1711
20 mph	0.0245	0.0049	0.0182	0.0899	0.0776	0.0248	0.0644	0.0058	0.3101
25 mph	0.1112	0.0221	0.0817	0.4058	0.3593	0.1133	0.3200	0.0293	1.4428
30 mph	0.1129	0.0223	0.0826	0.4117	0.3741	0.1162	0.2660	0.0251	1.4110
35 mph	0.0866	0.0171	0.0631	0.3164	0.2952	0.0902	0.1117	0.0108	0.9911
40 mph	0.0275	0.0055	0.0201	0.1008	0.0958	0.0289	0.1189	0.0116	0.4091
45 mph	0.0222	0.0044	0.0163	0.0818	0.0785	0.0234	0.0916	0.0091	0.3274
50 mph	0.0220	0.0045	0.0161	0.0815	0.0788	0.0232	0.1472	0.0147	0.3879
55 mph	0.0178	0.0037	0.0132	0.0668	0.0647	0.0189	0.0346	0.0035	0.2233
60 mph	0.0372	0.0079	0.0279	0.1407	0.1342	0.0392	0.0359	0.0036	0.4266
65 mph	0.0049	0.0011	0.0037	0.0186	0.0177	0.0051	-	-	0.0511
70 mph	-	-	-	-	-	-	-	-	-
total	0.5194	0.1044	0.3823	1.9090	1.7363	0.5356	1.3453	0.1273	6.6596

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0032	0.0007	0.0024	0.0250	0.0254	0.0083	-	-	0.0650
15 mph	0.0028	0.0006	0.0021	0.0217	0.0225	0.0073	-	-	0.0570
20 mph	0.0025	0.0005	0.0019	0.0194	0.0208	0.0066	0.1161	0.0104	0.1783
25 mph	0.0046	0.0009	0.0034	0.0351	0.0385	0.0121	0.1836	0.0168	0.2950
30 mph	0.0085	0.0017	0.0062	0.0647	0.0729	0.0227	0.2877	0.0271	0.4915
35 mph	0.0179	0.0035	0.0130	0.1366	0.1583	0.0484	0.2684	0.0260	0.6721
40 mph	0.0190	0.0038	0.0138	0.1452	0.1711	0.0516	0.2358	0.0230	0.6633
45 mph	0.0147	0.0029	0.0108	0.1130	0.1347	0.0402	0.1651	0.0164	0.4978
50 mph	0.0164	0.0033	0.0120	0.1267	0.1520	0.0447	0.0817	0.0081	0.4449
55 mph	0.0092	0.0019	0.0068	0.0721	0.0867	0.0253	0.0416	0.0042	0.2480
60 mph	0.0058	0.0012	0.0043	0.0456	0.0540	0.0158	3.0205	0.3002	3.4473
65 mph	0.0020	0.0004	0.0015	0.0161	0.0190	0.0055	-	-	0.0445
70 mph	0.0946	0.0229	0.0714	0.7883	0.9809	0.2555	-	-	2.2137
total	0.2012	0.0444	0.1497	1.6094	1.9369	0.5441	4.4004	0.4322	9.3184

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1150	0.0351	0.0901	0.0102	0.2504
15 mph	0.2715	0.0552	0.2022	0.0734	0.0672	0.0219	0.0604	0.0054	0.7573
25 mph	-	-	-	-	0.1095	0.0345	0.2171	0.0199	0.3811
35 mph	0.8205	0.1623	0.5981	0.2025	-	-	-	-	1.7834
total	1.0920	0.2176	0.8003	0.2759	0.2917	0.0915	0.3676	0.0355	3.1721

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1150	0.0351	0.0901	0.0102	0.2504
10 mph	0.0421	0.0088	0.0317	0.1695	0.1438	0.0470	0.1196	0.0107	0.5732
15 mph	0.2881	0.0586	0.2145	0.1455	0.1315	0.0428	0.0959	0.0086	0.9855
20 mph	0.0271	0.0054	0.0201	0.1093	0.0984	0.0314	0.1805	0.0162	0.4884
25 mph	0.1158	0.0230	0.0851	0.4409	0.5074	0.1600	0.7207	0.0661	2.1189
30 mph	0.1214	0.0240	0.0888	0.4764	0.4471	0.1389	0.5538	0.0522	1.9024
35 mph	0.9249	0.1830	0.6742	0.6555	0.4535	0.1386	0.3800	0.0368	3.4465
40 mph	0.0465	0.0092	0.0339	0.2460	0.2669	0.0805	0.3548	0.0346	1.0724
45 mph	0.0369	0.0074	0.0270	0.1948	0.2132	0.0636	0.2566	0.0255	0.8252
50 mph	0.0383	0.0078	0.0281	0.2081	0.2308	0.0679	0.2289	0.0228	0.8329
55 mph	0.0271	0.0056	0.0201	0.1390	0.1515	0.0442	0.0763	0.0076	0.4713
60 mph	0.0430	0.0091	0.0322	0.1862	0.1882	0.0550	3.0564	0.3037	3.8739
65 mph	0.0069	0.0015	0.0052	0.0347	0.0367	0.0107	-	-	0.0956
70 mph	0.0946	0.0229	0.0714	0.7883	0.9809	0.2555	-	-	2.2137
total	1.8126	0.3664	1.3324	3.7942	3.9649	1.1712	6.1134	0.5950	19.1502

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0008	0.0000	0.0004	0.0031	0.4428	0.2931	8.6163	37.8038	47.1602
15 mph	0.0002	0.0000	0.0001	0.0009	0.1518	0.1013	2.0239	8.2662	10.5443
20 mph	0.0004	0.0000	0.0001	0.0012	0.3013	0.1976	3.2202	11.4102	15.1311
25 mph	0.0016	0.0001	0.0005	0.0052	1.5062	0.9811	13.8695	53.4804	69.8445
30 mph	0.0016	0.0001	0.0005	0.0052	1.7392	1.1202	9.4835	36.6456	48.9959
35 mph	0.0012	0.0001	0.0003	0.0040	1.5369	0.9735	3.1474	12.7695	18.4330
40 mph	0.0004	0.0000	0.0001	0.0013	0.5447	0.3418	2.5710	10.5226	13.9819
45 mph	0.0003	0.0000	0.0001	0.0010	0.4731	0.2958	1.5710	6.5207	8.8621
50 mph	0.0003	0.0000	0.0001	0.0010	0.5010	0.3123	2.1946	8.7471	11.7564
55 mph	0.0003	0.0000	0.0001	0.0008	0.4087	0.2559	0.5202	2.0850	3.2709
60 mph	0.0005	0.0000	0.0001	0.0016	0.8308	0.5198	0.6300	2.4846	4.4674
65 mph	0.0001	0.0000	0.0000	0.0002	0.1171	0.0725	-	-	0.1899
70 mph	-	-	-	-	-	-	-	-	-
total	0.0078	0.0004	0.0023	0.0254	8.5537	5.4648	47.8477	190.7357	252.6377

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0005	0.0949	0.0629	-	-	0.1584
15 mph	0.0001	0.0000	0.0000	0.0004	0.0814	0.0543	-	-	0.1361
20 mph	0.0000	0.0000	0.0000	0.0003	0.0808	0.0530	5.8053	20.5698	26.5092
25 mph	0.0001	0.0000	0.0000	0.0004	0.1615	0.1052	7.9556	30.6765	38.8993
30 mph	0.0001	0.0000	0.0000	0.0008	0.3390	0.2184	10.2579	39.6378	50.4540
35 mph	0.0003	0.0000	0.0001	0.0017	0.8239	0.5219	7.5654	30.6936	39.6069
40 mph	0.0003	0.0000	0.0001	0.0018	0.9734	0.6107	5.0984	20.8666	27.5514
45 mph	0.0002	0.0000	0.0001	0.0014	0.8116	0.5075	2.8321	11.7552	15.9081
50 mph	0.0002	0.0000	0.0001	0.0016	0.9669	0.6027	1.2173	4.8520	7.6407
55 mph	0.0001	0.0000	0.0000	0.0009	0.5478	0.3429	0.6252	2.5058	4.0227
60 mph	0.0001	0.0000	0.0000	0.0005	0.3340	0.2090	52.9980	209.0280	262.5697
65 mph	0.0000	0.0000	0.0000	0.0002	0.1255	0.0777	-	-	0.2035
70 mph	0.0013	0.0001	0.0003	0.0100	10.5334	5.9496	-	-	16.4946
total	0.0029	0.0002	0.0007	0.0205	15.8742	9.3156	94.3552	370.5854	490.1547

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.1618	2.2160	7.0054	10.7564	23.1395
15 mph	0.0048	0.0001	0.0019	0.0013	0.2436	0.1625	3.4520	14.0992	17.9654
25 mph	-	-	-	-	0.4590	0.2990	9.4109	36.2883	46.4571
35 mph	0.0117	0.0006	0.0033	0.0026	-	-	-	-	0.0181
total	0.0165	0.0007	0.0052	0.0038	3.8644	2.6775	19.8683	61.1438	87.5802

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.1618	2.2160	7.0054	10.7564	23.1395
10 mph	0.0009	0.0000	0.0004	0.0036	0.5377	0.3560	8.6163	37.8038	47.3187
15 mph	0.0051	0.0001	0.0020	0.0025	0.4768	0.3180	5.4759	22.3654	28.6459
20 mph	0.0004	0.0000	0.0001	0.0015	0.3820	0.2506	9.0256	31.9800	41.6403
25 mph	0.0017	0.0001	0.0005	0.0056	2.1266	1.3853	31.2359	120.4452	155.2009
30 mph	0.0017	0.0001	0.0005	0.0060	2.0783	1.3385	19.7414	76.2834	99.4499
35 mph	0.0132	0.0007	0.0037	0.0083	2.3609	1.4954	10.7128	43.4631	58.0580
40 mph	0.0007	0.0000	0.0002	0.0031	1.5182	0.9525	7.6694	31.3892	41.5333
45 mph	0.0005	0.0000	0.0001	0.0024	1.2847	0.8033	4.4031	18.2759	24.7702
50 mph	0.0006	0.0000	0.0001	0.0026	1.4678	0.9149	3.4120	13.5991	19.3971
55 mph	0.0004	0.0000	0.0001	0.0016	0.9565	0.5988	1.1453	4.5908	7.2935
60 mph	0.0006	0.0000	0.0001	0.0021	1.1648	0.7287	53.6280	211.5126	267.0371
65 mph	0.0001	0.0000	0.0000	0.0004	0.2426	0.1502	-	-	0.3934
70 mph	0.0013	0.0001	0.0003	0.0100	10.5334	5.9496	-	-	16.4946
total	0.0272	0.0013	0.0082	0.0497	28.2922	17.4578	162.0712	622.4649	830.3725

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.6623	0.6623
15 mph								0.1647	0.1647
20 mph								0.2585	0.2585
25 mph								1.2268	1.2268
30 mph								1.0097	1.0097
35 mph								0.4194	0.4194
40 mph								0.4368	0.4368
45 mph								0.3317	0.3317
50 mph								0.5180	0.5180
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.0278	5.0278

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.4659	0.4659
25 mph								0.7037	0.7037
30 mph								1.0921	1.0921
35 mph								1.0082	1.0082
40 mph								0.8661	0.8661
45 mph								0.5981	0.5981
50 mph								0.2873	0.2873
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.2699	3.2699

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.7154	0.7154
15 mph								0.2809	0.2809
25 mph								0.8324	0.8324
35 mph								-	-
total	-	-	-	-	-	-	-	1.8288	1.8288

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.7154	0.7154
10 mph								0.6623	0.6623
15 mph								0.4456	0.4456
20 mph								0.7244	0.7244
25 mph								2.7629	2.7629
30 mph								2.1018	2.1018
35 mph								1.4276	1.4276
40 mph								1.3028	1.3028
45 mph								0.9298	0.9298
50 mph								0.8054	0.8054
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	11.8780	11.8780

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.2768	2.2511	7.0954	11.4820	24.1054
10 mph	0.0430	0.0088	0.0321	0.1731	0.6815	0.4030	8.7359	38.4768	48.5541
15 mph	0.2932	0.0587	0.2166	0.1480	0.6084	0.3608	5.5718	22.8195	30.0769
20 mph	0.0275	0.0055	0.0202	0.1108	0.4804	0.2820	9.2060	32.7207	42.8531
25 mph	0.1175	0.0231	0.0856	0.4465	2.6340	1.5452	31.9566	123.2742	160.0828
30 mph	0.1231	0.0241	0.0893	0.4824	2.5253	1.4774	20.2951	78.4374	103.4541
35 mph	0.9381	0.1837	0.6779	0.6638	2.8144	1.6340	11.0929	44.9275	62.9321
40 mph	0.0471	0.0093	0.0341	0.2491	1.7851	1.0330	8.0242	32.7267	43.9085
45 mph	0.0375	0.0074	0.0272	0.1973	1.4979	0.8669	4.6598	19.2312	26.5251
50 mph	0.0389	0.0078	0.0283	0.2107	1.6987	0.9828	3.6409	14.4273	21.0354
55 mph	0.0274	0.0056	0.0202	0.1406	1.1079	0.6430	1.2216	4.5984	7.7648
60 mph	0.0436	0.0092	0.0324	0.1883	1.3531	0.7837	56.6844	211.8164	270.9110
65 mph	0.0070	0.0015	0.0052	0.0351	0.2794	0.1609	-	-	0.4890
70 mph	0.0960	0.0230	0.0717	0.7983	11.5143	6.2051	-	-	18.7084
STREX	0.3479	0.0350	0.1818	0.8680	0.5301	0.1653	6.6010	13.6859	22.4151
total	2.1877	0.4027	1.5224	4.7119	32.7872	18.7944	174.7856	648.6238	**883.8157**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1509	0.2004	0.2104	0.2551	0.4484	0.4617	0.3360	0.3166
Diesel	-	-	-	-	-	-	2.1500	2.4479
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3479	0.0350	0.1818	0.8680	0.5301	0.1653	0.1898	0.0012
Diesel	-	-	-	-	-	-	6.4112	13.6847
Electric/NG	-	-	-	-	-	-	-	-
Total	0.3479	0.0350	0.1818	0.8680	0.5301	0.1653	6.6010	13.6859

World Logistics Center
Mobile Emissions - 2026 (Net) - Unmitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					154.4415	154.7085	386.5128	278.8132
10 mph	0.8921	1.5892	1.2270	1.3557	0.9812	0.6376	1.3087	50.4854
15 mph	0.8134	1.4237	1.1125	1.2261	0.7992	0.5535	1.1860	45.2852
20 mph	0.7441	1.2897	1.0148	1.1167	0.6874	0.4915	1.0894	41.1450
25 mph	0.6810	1.1699	0.9255	1.0182	0.5959	0.4372	0.9814	37.4466
30 mph	0.6249	1.0680	0.8470	0.9326	0.5307	0.3935	0.8839	34.2547
35 mph	0.5752	0.9823	0.7782	0.8585	0.4875	0.3600	0.8047	31.5461
40 mph	0.5334	0.9113	0.7215	0.7964	0.4612	0.3365	0.7498	29.3303
45 mph	0.4975	0.8508	0.6729	0.7434	0.4459	0.3178	0.6930	27.3551
50 mph	0.4639	0.8000	0.6279	0.6957	0.4421	0.3029	0.6503	25.6631
55 mph	0.4318	0.7521	0.5862	0.6513	0.4565	0.2971	0.6204	24.2855
60 mph	0.3966	0.6987	0.5398	0.6025	0.4831	0.2962	0.5909	23.0825
65 mph	0.3665	0.6575	0.5008	0.5619	0.5455	0.3091		
70 mph	0.3531	0.6870	0.4831	0.5509	0.5498	0.2626		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	20.2416	34.6155
10 mph	2.2410	2.5880	1.8166	2.4000	2.1967	2.2308	0.4849	1.3146
15 mph	1.1045	1.6911	0.8898	1.1729	1.1340	1.1452	0.2636	0.7312
20 mph	0.4425	1.1485	0.3487	0.4620	0.5305	0.5276	0.1763	0.4512
25 mph	0.2716	0.9088	0.2106	0.2812	0.3575	0.3526	0.1349	0.3640
30 mph	0.2076	0.7790	0.1596	0.2147	0.2904	0.2844	0.1036	0.2801
35 mph	0.1672	0.7046	0.1274	0.1730	0.2530	0.2450	0.0783	0.2100
40 mph	0.1400	0.6729	0.1056	0.1440	0.2302	0.2208	0.0588	0.1588
45 mph	0.1212	0.6771	0.0900	0.1232	0.2176	0.2070	0.0452	0.1226
50 mph	0.1082	0.7180	0.0785	0.1085	0.2180	0.2055	0.0376	0.1019
55 mph	0.0990	0.8052	0.0700	0.0975	0.2244	0.2103	0.0359	0.0983
60 mph	0.0980	0.9492	0.0671	0.0942	0.2467	0.2295	0.0400	0.1088
65 mph	0.1027	1.1781	0.0685	0.0980	0.3129	0.2870		
70 mph	0.1075	1.3669	0.0707	0.1074	0.5750	0.4846		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								32.9103
10 mph								34.7490
15 mph								24.4649
20 mph								17.6933
25 mph								12.9699
30 mph								9.5630
35 mph								7.0523
40 mph								5.2023
45 mph								3.8393
50 mph								2.8354
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.8279	0.1118	0.4267	1.8943	0.6247	0.1229	0.4205	0.1099	4.5387
15 mph	0.3020	0.0400	0.1547	0.6853	0.2035	0.0427	0.1270	0.0329	1.5881
20 mph	0.5524	0.0726	0.2823	1.2483	0.3501	0.0758	0.2334	0.0597	2.8745
25 mph	2.5280	0.3291	1.2872	5.6908	1.5177	0.3372	1.1563	0.2990	13.1453
30 mph	2.5517	0.3305	1.2959	5.7336	1.4868	0.3338	0.9467	0.2487	12.9277
35 mph	1.9218	0.2487	0.9742	4.3182	1.1173	0.2499	0.3879	0.1030	9.3210
40 mph	0.5940	0.0769	0.3010	1.3354	0.3523	0.0778	0.4015	0.1065	3.2455
45 mph	0.4617	0.0598	0.2340	1.0387	0.2839	0.0613	0.2969	0.0794	2.5157
50 mph	0.4305	0.0563	0.2183	0.9721	0.2815	0.0584	0.4527	0.1211	2.5909
55 mph	0.3206	0.0423	0.1631	0.7280	0.2325	0.0458	0.0997	0.0264	1.6584
60 mph	0.5889	0.0786	0.3003	1.3470	0.4921	0.0914	0.0949	0.0251	3.0183
65 mph	0.0680	0.0092	0.0348	0.1570	0.0695	0.0119	-	-	0.3505
70 mph	-	-	-	-	-	-	-	-	-
total	11.1474	1.4557	5.6725	25.1488	7.0120	1.5089	4.6177	1.2118	57.7748

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0685	0.0092	0.0353	0.3272	0.1340	0.0264	-	-	0.6005
15 mph	0.0624	0.0083	0.0320	0.2959	0.1091	0.0229	-	-	0.5306
20 mph	0.0571	0.0075	0.0292	0.2695	0.0938	0.0203	0.4207	0.1077	1.0059
25 mph	0.1045	0.0136	0.0532	0.4915	0.1627	0.0362	0.6633	0.1715	1.6965
30 mph	0.1919	0.0248	0.0974	0.9003	0.2898	0.0651	1.0240	0.2690	2.8624
35 mph	0.3974	0.0514	0.2014	1.8647	0.5990	0.1339	0.9323	0.2477	4.4278
40 mph	0.4094	0.0530	0.2075	1.9222	0.6296	0.1391	0.7963	0.2111	4.3682
45 mph	0.3055	0.0396	0.1548	1.4353	0.4870	0.1051	0.5353	0.1432	3.2058
50 mph	0.3205	0.0419	0.1625	1.5113	0.5432	0.1127	0.2511	0.0672	3.0103
55 mph	0.1657	0.0219	0.0843	0.7859	0.3116	0.0614	0.1198	0.0318	1.5824
60 mph	0.0913	0.0122	0.0466	0.4362	0.1979	0.0367	7.9874	2.1145	10.9228
65 mph	0.0281	0.0038	0.0144	0.1356	0.0745	0.0128	-	-	0.2692
70 mph	1.2468	0.1838	0.6391	6.1157	3.4530	0.4994	-	-	12.1379
total	3.4491	0.4710	1.7578	16.4915	7.0853	1.2720	12.7302	3.3636	46.6204

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	12.5691	3.8127	14.4859	0.1030	30.9707
15 mph	5.9869	0.7940	3.0679	0.9986	0.3265	0.0685	0.2167	0.0561	11.5152
25 mph	-	-	-	-	0.4625	0.1028	0.7846	0.2029	1.5527
35 mph	18.2164	2.3571	9.2338	2.7643	-	-	-	-	32.5716
total	24.2034	3.1511	12.3017	3.7629	13.3581	3.9840	15.4872	0.3620	76.6102

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	12.5691	3.8127	14.4859	0.1030	30.9707
10 mph	0.8963	0.1210	0.4619	2.2215	0.7587	0.1493	0.4205	0.1099	5.1392
15 mph	6.3513	0.8423	3.2546	1.9798	0.6392	0.1341	0.3437	0.0889	13.6340
20 mph	0.6095	0.0801	0.3115	1.5178	0.4440	0.0961	0.6541	0.1674	3.8804
25 mph	2.6325	0.3427	1.3405	6.1823	2.1429	0.4761	2.6042	0.6734	16.3945
30 mph	2.7435	0.3553	1.3934	6.6340	1.7766	0.3989	1.9708	0.5176	15.7901
35 mph	20.5356	2.6571	10.4094	8.9473	1.7163	0.3838	1.3201	0.3507	46.3204
40 mph	1.0034	0.1299	0.5085	3.2576	0.9820	0.2169	1.1978	0.3176	7.6137
45 mph	0.7671	0.0994	0.3888	2.4741	0.7709	0.1664	0.8322	0.2226	5.7215
50 mph	0.7510	0.0981	0.3809	2.4834	0.8247	0.1711	0.7039	0.1883	5.6013
55 mph	0.4863	0.0642	0.2474	1.5140	0.5441	0.1072	0.2195	0.0582	3.2409
60 mph	0.6802	0.0908	0.3469	1.7832	0.6900	0.1281	8.0823	2.1396	13.9411
65 mph	0.0962	0.0131	0.0492	0.2927	0.1439	0.0247	-	-	0.6197
70 mph	1.2468	0.1838	0.6391	6.1157	3.4530	0.4994	-	-	12.1379
total	38.7998	5.0778	19.7319	45.4032	27.4554	6.7649	32.8350	4.9374	181.0054

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0216	0.0001	0.0051	0.0905	1.1540	0.8162	0.8226	4.1809	7.0909
15 mph	0.0042	0.0000	0.0010	0.0177	0.2383	0.1676	0.1490	0.7752	1.3530
20 mph	0.0034	0.0000	0.0008	0.0139	0.2229	0.1544	0.1994	0.9567	1.5516
25 mph	0.0105	0.0001	0.0024	0.0424	0.7512	0.5160	0.8389	4.2446	6.4060
30 mph	0.0088	0.0001	0.0020	0.0356	0.6713	0.4578	0.5859	2.9693	4.7307
35 mph	0.0058	0.0001	0.0013	0.0235	0.4785	0.3227	0.1992	1.0018	2.0328
40 mph	0.0016	0.0000	0.0004	0.0065	0.1451	0.0969	0.1663	0.8416	1.2584
45 mph	0.0012	0.0000	0.0003	0.0046	0.1143	0.0757	0.1023	0.5201	0.8185
50 mph	0.0010	0.0000	0.0002	0.0041	0.1145	0.0752	0.1383	0.7021	1.0354
55 mph	0.0008	0.0000	0.0002	0.0029	0.0943	0.0616	0.0304	0.1564	0.3465
60 mph	0.0015	0.0000	0.0003	0.0057	0.2073	0.1343	0.0339	0.1730	0.5561
65 mph	0.0002	0.0000	0.0000	0.0007	0.0329	0.0210	-	-	0.0549
70 mph	-	-	-	-	-	-	-	-	-
total	0.0605	0.0004	0.0137	0.2482	4.2247	2.8994	3.2662	16.5216	27.2349

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0018	0.0000	0.0004	0.0156	0.2475	0.1750	-	-	0.4403
15 mph	0.0009	0.0000	0.0002	0.0076	0.1277	0.0898	-	-	0.2263
20 mph	0.0004	0.0000	0.0001	0.0030	0.0598	0.0414	0.3594	1.7247	2.1888
25 mph	0.0004	0.0000	0.0001	0.0037	0.0805	0.0553	0.4812	2.4347	3.0560
30 mph	0.0007	0.0000	0.0001	0.0056	0.1309	0.0892	0.6338	3.2117	4.0720
35 mph	0.0012	0.0000	0.0003	0.0101	0.2565	0.1730	0.4788	2.4080	3.3279
40 mph	0.0011	0.0000	0.0002	0.0094	0.2594	0.1732	0.3298	1.6688	2.4420
45 mph	0.0008	0.0000	0.0002	0.0064	0.1961	0.1299	0.1845	0.9375	1.4554
50 mph	0.0008	0.0000	0.0002	0.0064	0.2210	0.1451	0.0767	0.3895	0.8395
55 mph	0.0004	0.0000	0.0001	0.0032	0.1264	0.0825	0.0366	0.1879	0.4370
60 mph	0.0002	0.0000	0.0000	0.0018	0.0834	0.0540	2.8513	14.5528	17.5436
65 mph	0.0001	0.0000	0.0000	0.0006	0.0352	0.0225	-	-	0.0585
70 mph	0.0039	0.0001	0.0008	0.0322	2.9795	1.7490	-	-	4.7654
total	0.0126	0.0002	0.0027	0.1056	4.8038	2.9800	5.4320	27.5157	40.8527

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.7661	1.2300	4.0049	12.8401	19.8411
15 mph	0.0842	0.0003	0.0197	0.0258	0.3823	0.2689	0.2542	1.3222	2.3576
25 mph	-	-	-	-	0.2289	0.1572	0.5692	2.8801	3.8355
35 mph	0.0549	0.0006	0.0121	0.0150	-	-	-	-	0.0826
total	0.1391	0.0009	0.0318	0.0408	2.3773	1.6562	4.8283	17.0423	26.1168

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.7661	1.2300	4.0049	12.8401	19.8411
10 mph	0.0233	0.0001	0.0055	0.1061	1.4014	0.9912	0.8226	4.1809	7.5312
15 mph	0.0894	0.0003	0.0209	0.0511	0.7484	0.5264	0.4032	2.0973	3.9369
20 mph	0.0038	0.0000	0.0009	0.0169	0.2827	0.1958	0.5588	2.6814	3.7404
25 mph	0.0109	0.0001	0.0024	0.0461	1.0607	0.7286	1.8892	9.5595	13.2975
30 mph	0.0094	0.0001	0.0021	0.0412	0.8021	0.5470	1.2197	6.1810	8.8027
35 mph	0.0619	0.0006	0.0137	0.0486	0.7350	0.4957	0.6780	3.4098	5.4433
40 mph	0.0027	0.0000	0.0006	0.0159	0.4045	0.2701	0.4961	2.5104	3.7004
45 mph	0.0019	0.0000	0.0004	0.0111	0.3104	0.2056	0.2868	1.4576	2.2739
50 mph	0.0018	0.0000	0.0004	0.0104	0.3356	0.2202	0.2149	1.0916	1.8750
55 mph	0.0012	0.0000	0.0002	0.0061	0.2207	0.1441	0.0670	0.3443	0.7835
60 mph	0.0017	0.0000	0.0003	0.0075	0.2907	0.1884	2.8852	14.7258	18.0997
65 mph	0.0003	0.0000	0.0001	0.0014	0.0681	0.0435	-	-	0.1134
70 mph	0.0039	0.0001	0.0008	0.0322	2.9795	1.7490	-	-	4.7654
total	0.2123	0.0015	0.0482	0.3946	11.4059	7.5356	13.5266	61.0797	94.2044

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								6.3221	6.3221
15 mph								1.4837	1.4837
20 mph								2.1460	2.1460
25 mph								8.6522	8.6522
30 mph								5.7995	5.7995
35 mph								1.9246	1.9246
40 mph								1.5775	1.5775
45 mph								0.9314	0.9314
50 mph								1.1177	1.1177
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	29.9547	29.9547

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								3.8688	3.8688
25 mph								4.9630	4.9630
30 mph								6.2730	6.2730
35 mph								4.6261	4.6261
40 mph								3.1282	3.1282
45 mph								1.6790	1.6790
50 mph								0.6200	0.6200
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	19.7309	19.7309

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.6983	0.6983
15 mph								2.5307	2.5307
25 mph								5.8708	5.8708
35 mph								-	-
total	-	-	-	-	-	-	-	9.0998	9.0998

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.6983	0.6983
10 mph								6.3221	6.3221
15 mph								4.0143	4.0143
20 mph								6.0148	6.0148
25 mph								19.4860	19.4860
30 mph								12.0726	12.0726
35 mph								6.5507	6.5507
40 mph								4.7057	4.7057
45 mph								2.6103	2.6103
50 mph								1.7377	1.7377
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	64.2126	64.2126

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	14.3352	5.0427	18.4908	13.6414	51.5102
10 mph	0.9197	0.1211	0.4674	2.3276	2.1601	1.1405	1.2432	10.6130	18.9925
15 mph	6.4407	0.8427	3.2755	2.0309	1.3875	0.6604	0.7469	6.2006	21.5852
20 mph	0.6133	0.0801	0.3123	1.5347	0.7267	0.2920	1.2129	8.8637	13.6356
25 mph	2.6434	0.3428	1.3429	6.2283	3.2036	1.2047	4.4934	29.7190	49.1780
30 mph	2.7530	0.3554	1.3955	6.6752	2.5788	0.9459	3.1905	18.7712	36.6654
35 mph	20.5975	2.6578	10.4230	8.9959	2.4513	0.8795	1.9981	10.3112	58.3144
40 mph	1.0061	0.1299	0.5091	3.2735	1.3865	0.4871	1.6940	7.5336	16.0198
45 mph	0.7690	0.0994	0.3892	2.4851	1.0813	0.3720	1.1190	4.2906	10.6058
50 mph	0.7528	0.0982	0.3812	2.4939	1.1602	0.3914	0.9188	3.0175	9.2139
55 mph	0.4875	0.0642	0.2476	1.5201	0.7648	0.2513	0.2864	0.4025	4.0244
60 mph	0.6819	0.0909	0.3472	1.7908	0.9807	0.3164	10.9675	16.8654	32.0408
65 mph	0.0964	0.0131	0.0493	0.2940	0.2121	0.0682	-	-	0.7331
70 mph	1.2508	0.1839	0.6399	6.1478	6.4325	2.2484	-	-	16.9033
STREX	4.3740	0.3505	2.0601	9.0337	1.8670	0.5494	2.0931	0.0202	20.3481
total	43.3861	5.4298	21.8403	54.8315	40.7282	14.8500	48.4547	130.2499	**359.7705**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.8974	2.0063	2.3852	2.6546	1.5791	1.5345	3.7056	5.2765
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	4.3740	0.3505	2.0601	9.0337	1.8670	0.5494	2.0931	0.0202
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	4.3740	0.3505	2.0601	9.0337	1.8670	0.5494	2.0931	0.0202

World Logistics Center
Mobile Emissions - 2026 (Net) - Unmitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0546	0.0546	0.1381	0.2178
10 mph	0.0046	0.0053	0.0056	0.0069	0.0144	0.0166	0.0298	0.0355
15 mph	0.0037	0.0044	0.0045	0.0056	0.0118	0.0135	0.0244	0.0291
20 mph	0.0031	0.0036	0.0038	0.0047	0.0098	0.0112	0.0202	0.0242
25 mph	0.0027	0.0031	0.0032	0.0040	0.0084	0.0096	0.0173	0.0207
30 mph	0.0024	0.0028	0.0029	0.0035	0.0074	0.0085	0.0154	0.0184
35 mph	0.0022	0.0026	0.0027	0.0033	0.0069	0.0079	0.0143	0.0170
40 mph	0.0021	0.0025	0.0026	0.0032	0.0067	0.0077	0.0138	0.0165
45 mph	0.0021	0.0025	0.0026	0.0032	0.0067	0.0077	0.0139	0.0165
50 mph	0.0022	0.0026	0.0027	0.0033	0.0069	0.0079	0.0143	0.0169
55 mph	0.0023	0.0027	0.0028	0.0034	0.0072	0.0082	0.0148	0.0176
60 mph	0.0023	0.0027	0.0029	0.0036	0.0075	0.0086	0.0154	0.0183
65 mph	0.0024	0.0028	0.0029	0.0037	0.0077	0.0088		
70 mph	0.0024	0.0029	0.0030	0.0038	0.0078	0.0089		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0343	0.0552	0.0571	0.0523
10 mph	0.0036	0.0080	0.0049	0.0061	0.0089	0.0099	0.0174	0.0285
15 mph	0.0030	0.0066	0.0041	0.0052	0.0058	0.0066	0.0137	0.0209
20 mph	0.0025	0.0054	0.0033	0.0043	0.0049	0.0056	0.0117	0.0173
25 mph	0.0021	0.0045	0.0028	0.0036	0.0044	0.0050	0.0102	0.0148
30 mph	0.0018	0.0039	0.0024	0.0032	0.0040	0.0045	0.0089	0.0130
35 mph	0.0016	0.0035	0.0022	0.0029	0.0040	0.0045	0.0080	0.0118
40 mph	0.0015	0.0033	0.0020	0.0027	0.0039	0.0044	0.0073	0.0108
45 mph	0.0015	0.0032	0.0020	0.0026	0.0038	0.0042	0.0069	0.0102
50 mph	0.0015	0.0032	0.0020	0.0026	0.0040	0.0044	0.0068	0.0099
55 mph	0.0015	0.0033	0.0021	0.0027	0.0041	0.0045	0.0070	0.0102
60 mph	0.0017	0.0036	0.0022	0.0030	0.0042	0.0045	0.0075	0.0108
65 mph	0.0019	0.0040	0.0025	0.0033	0.0042	0.0046		
70 mph	0.0020	0.0042	0.0027	0.0037	0.0044	0.0047		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0042	0.0004	0.0019	0.0096	0.0092	0.0032	0.0096	0.0001	0.0381
15 mph	0.0014	0.0001	0.0006	0.0031	0.0030	0.0010	0.0026	0.0000	0.0119
20 mph	0.0023	0.0002	0.0010	0.0052	0.0050	0.0017	0.0043	0.0000	0.0198
25 mph	0.0098	0.0009	0.0045	0.0223	0.0213	0.0074	0.0204	0.0002	0.0867
30 mph	0.0096	0.0009	0.0044	0.0218	0.0208	0.0072	0.0165	0.0001	0.0813
35 mph	0.0073	0.0006	0.0033	0.0166	0.0158	0.0055	0.0069	0.0001	0.0560
40 mph	0.0024	0.0002	0.0011	0.0054	0.0051	0.0018	0.0074	0.0001	0.0233
45 mph	0.0020	0.0002	0.0009	0.0045	0.0043	0.0015	0.0059	0.0000	0.0193
50 mph	0.0020	0.0002	0.0009	0.0046	0.0044	0.0015	0.0099	0.0001	0.0237
55 mph	0.0017	0.0001	0.0008	0.0038	0.0036	0.0013	0.0024	0.0000	0.0138
60 mph	0.0035	0.0003	0.0016	0.0079	0.0076	0.0026	0.0025	0.0000	0.0261
65 mph	0.0004	0.0000	0.0002	0.0010	0.0010	0.0003	-	-	0.0030
70 mph	-	-	-	-	-	-	-	-	-
total	0.0467	0.0041	0.0213	0.1058	0.1009	0.0351	0.0884	0.0007	0.4031

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0004	0.0000	0.0002	0.0017	0.0020	0.0007	-	-	0.0048
15 mph	0.0003	0.0000	0.0001	0.0014	0.0016	0.0006	-	-	0.0040
20 mph	0.0002	0.0000	0.0001	0.0011	0.0013	0.0005	0.0078	0.0001	0.0112
25 mph	0.0004	0.0000	0.0002	0.0019	0.0023	0.0008	0.0117	0.0001	0.0174
30 mph	0.0007	0.0001	0.0003	0.0034	0.0040	0.0014	0.0178	0.0001	0.0280
35 mph	0.0015	0.0001	0.0007	0.0072	0.0085	0.0029	0.0165	0.0001	0.0376
40 mph	0.0016	0.0001	0.0007	0.0077	0.0091	0.0032	0.0147	0.0001	0.0373
45 mph	0.0013	0.0001	0.0006	0.0062	0.0073	0.0025	0.0107	0.0001	0.0289
50 mph	0.0015	0.0001	0.0007	0.0072	0.0085	0.0029	0.0055	0.0000	0.0265
55 mph	0.0009	0.0001	0.0004	0.0041	0.0049	0.0017	0.0029	0.0000	0.0150
60 mph	0.0005	0.0000	0.0002	0.0026	0.0031	0.0011	0.2085	0.0017	0.2177
65 mph	0.0002	0.0000	0.0001	0.0009	0.0010	0.0004	-	-	0.0026
70 mph	0.0086	0.0008	0.0039	0.0416	0.0490	0.0170	-	-	0.1209
total	0.0181	0.0016	0.0083	0.0870	0.1025	0.0356	0.2962	0.0024	0.5517

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0044	0.0013	0.0052	0.0001	0.0110
15 mph	0.0275	0.0024	0.0125	0.0046	0.0048	0.0017	0.0045	0.0000	0.0579
25 mph	-	-	-	-	0.0065	0.0023	0.0138	0.0001	0.0227
35 mph	0.0692	0.0061	0.0316	0.0106	-	-	-	-	0.1175
total	0.0966	0.0086	0.0441	0.0152	0.0157	0.0053	0.0235	0.0002	0.2091

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0044	0.0013	0.0052	0.0001	0.0110
10 mph	0.0046	0.0004	0.0021	0.0112	0.0111	0.0039	0.0096	0.0001	0.0430
15 mph	0.0291	0.0026	0.0133	0.0090	0.0094	0.0033	0.0071	0.0001	0.0738
20 mph	0.0025	0.0002	0.0012	0.0063	0.0063	0.0022	0.0121	0.0001	0.0310
25 mph	0.0103	0.0009	0.0047	0.0242	0.0300	0.0105	0.0460	0.0004	0.1269
30 mph	0.0103	0.0009	0.0047	0.0252	0.0248	0.0086	0.0343	0.0003	0.1092
35 mph	0.0780	0.0069	0.0356	0.0343	0.0242	0.0084	0.0234	0.0002	0.2111
40 mph	0.0040	0.0004	0.0018	0.0131	0.0142	0.0049	0.0221	0.0002	0.0606
45 mph	0.0033	0.0003	0.0015	0.0107	0.0116	0.0040	0.0167	0.0001	0.0481
50 mph	0.0035	0.0003	0.0016	0.0118	0.0128	0.0045	0.0154	0.0001	0.0502
55 mph	0.0026	0.0002	0.0012	0.0080	0.0085	0.0030	0.0052	0.0000	0.0288
60 mph	0.0040	0.0004	0.0018	0.0105	0.0106	0.0037	0.2110	0.0017	0.2438
65 mph	0.0006	0.0001	0.0003	0.0019	0.0020	0.0007	-	-	0.0056
70 mph	0.0086	0.0008	0.0039	0.0416	0.0490	0.0170	-	-	0.1209
total	0.1614	0.0143	0.0736	0.2080	0.2191	0.0760	0.4081	0.0033	1.1639

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0002	0.0047	0.0036	0.0295	0.0907	0.1288
15 mph	0.0000	0.0000	0.0000	0.0001	0.0012	0.0010	0.0077	0.0222	0.0322
20 mph	0.0000	0.0000	0.0000	0.0001	0.0021	0.0016	0.0132	0.0367	0.0538
25 mph	0.0001	0.0000	0.0000	0.0005	0.0092	0.0073	0.0634	0.1726	0.2531
30 mph	0.0001	0.0000	0.0000	0.0005	0.0092	0.0073	0.0506	0.1375	0.2051
35 mph	0.0001	0.0000	0.0000	0.0004	0.0075	0.0060	0.0203	0.0565	0.0907
40 mph	0.0000	0.0000	0.0000	0.0001	0.0024	0.0019	0.0207	0.0572	0.0824
45 mph	0.0000	0.0000	0.0000	0.0001	0.0020	0.0015	0.0157	0.0432	0.0625
50 mph	0.0000	0.0000	0.0000	0.0001	0.0021	0.0016	0.0252	0.0680	0.0970
55 mph	0.0000	0.0000	0.0000	0.0001	0.0017	0.0013	0.0060	0.0162	0.0254
60 mph	0.0000	0.0000	0.0000	0.0002	0.0035	0.0026	0.0064	0.0172	0.0300
65 mph	0.0000	0.0000	0.0000	0.0000	0.0004	0.0003	-	-	0.0008
70 mph	-	-	-	-	-	-	-	-	-
total	0.0004	0.0000	0.0001	0.0025	0.0460	0.0362	0.2585	0.7181	1.0618

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0008	-	-	0.0018
15 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0005	-	-	0.0012
20 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	0.0238	0.0662	0.0910
25 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0008	0.0363	0.0990	0.1372
30 mph	0.0000	0.0000	0.0000	0.0001	0.0018	0.0014	0.0547	0.1487	0.2067
35 mph	0.0000	0.0000	0.0000	0.0002	0.0040	0.0032	0.0489	0.1357	0.1920
40 mph	0.0000	0.0000	0.0000	0.0002	0.0044	0.0034	0.0410	0.1134	0.1624
45 mph	0.0000	0.0000	0.0000	0.0001	0.0034	0.0026	0.0283	0.0779	0.1124
50 mph	0.0000	0.0000	0.0000	0.0002	0.0040	0.0031	0.0140	0.0377	0.0590
55 mph	0.0000	0.0000	0.0000	0.0001	0.0023	0.0018	0.0072	0.0195	0.0309
60 mph	0.0000	0.0000	0.0000	0.0001	0.0014	0.0011	0.5366	1.4479	1.9871
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0004	-	-	0.0009
70 mph	0.0001	0.0000	0.0000	0.0011	0.0226	0.0168	-	-	0.0406
total	0.0001	0.0000	0.0001	0.0021	0.0476	0.0363	0.7908	2.1461	3.0232

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0023	0.0026	0.0113	0.0194	0.0356
15 mph	0.0002	0.0000	0.0001	0.0001	0.0019	0.0015	0.0132	0.0378	0.0549
25 mph	-	-	-	-	0.0028	0.0022	0.0430	0.1171	0.1651
35 mph	0.0005	0.0000	0.0002	0.0002	-	-	-	-	0.0010
total	0.0008	0.0000	0.0003	0.0004	0.0070	0.0064	0.0675	0.1743	0.2566

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0023	0.0026	0.0113	0.0194	0.0356
10 mph	0.0000	0.0000	0.0000	0.0003	0.0057	0.0044	0.0295	0.0907	0.1306
15 mph	0.0002	0.0000	0.0001	0.0002	0.0038	0.0030	0.0209	0.0600	0.0883
20 mph	0.0000	0.0000	0.0000	0.0002	0.0026	0.0021	0.0370	0.1030	0.1448
25 mph	0.0001	0.0000	0.0000	0.0006	0.0129	0.0103	0.1427	0.3887	0.5554
30 mph	0.0001	0.0000	0.0000	0.0006	0.0110	0.0087	0.1053	0.2862	0.4118
35 mph	0.0006	0.0000	0.0002	0.0008	0.0116	0.0092	0.0692	0.1921	0.2837
40 mph	0.0000	0.0000	0.0000	0.0003	0.0068	0.0053	0.0617	0.1706	0.2448
45 mph	0.0000	0.0000	0.0000	0.0002	0.0054	0.0042	0.0440	0.1211	0.1749
50 mph	0.0000	0.0000	0.0000	0.0003	0.0061	0.0047	0.0391	0.1058	0.1560
55 mph	0.0000	0.0000	0.0000	0.0002	0.0041	0.0031	0.0131	0.0358	0.0563
60 mph	0.0000	0.0000	0.0000	0.0002	0.0049	0.0037	0.5430	1.4651	2.0171
65 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0007	-	-	0.0017
70 mph	0.0001	0.0000	0.0000	0.0011	0.0226	0.0168	-	-	0.0406
total	0.0013	0.0000	0.0005	0.0050	0.1007	0.0788	1.1168	3.0386	4.3416

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
15 mph								-	-
25 mph								-	-
35 mph								-	-
total	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0067	0.0039	0.0165	0.0195	0.0466
10 mph	0.0046	0.0004	0.0021	0.0115	0.0168	0.0083	0.0390	0.0908	0.1736
15 mph	0.0294	0.0026	0.0134	0.0093	0.0132	0.0063	0.0280	0.0601	0.1621
20 mph	0.0026	0.0002	0.0012	0.0065	0.0089	0.0043	0.0491	0.1031	0.1759
25 mph	0.0103	0.0009	0.0047	0.0248	0.0430	0.0208	0.1886	0.3891	0.6823
30 mph	0.0104	0.0009	0.0047	0.0258	0.0358	0.0173	0.1396	0.2865	0.5211
35 mph	0.0786	0.0069	0.0358	0.0352	0.0358	0.0176	0.0926	0.1923	0.4948
40 mph	0.0040	0.0004	0.0018	0.0134	0.0210	0.0103	0.0838	0.1708	0.3054
45 mph	0.0033	0.0003	0.0015	0.0109	0.0169	0.0082	0.0606	0.1212	0.2231
50 mph	0.0036	0.0003	0.0016	0.0121	0.0189	0.0091	0.0546	0.1059	0.2061
55 mph	0.0026	0.0002	0.0012	0.0082	0.0126	0.0061	0.0184	0.0358	0.0850
60 mph	0.0041	0.0004	0.0018	0.0108	0.0156	0.0074	0.7540	1.4668	2.2609
65 mph	0.0006	0.0001	0.0003	0.0020	0.0030	0.0014	-	-	0.0073
70 mph	0.0087	0.0008	0.0039	0.0427	0.0716	0.0338	-	-	0.1615
STREX	0.0011	0.0001	0.0005	0.0026	0.0002	0.0001	0.0002	0.0000	0.0048
total	0.1638	0.0144	0.0747	0.2155	0.3200	0.1549	1.5251	3.0419	**5.5104**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0005	0.0006	0.0006	0.0008	0.0002	0.0002	0.0004	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0011	0.0001	0.0005	0.0026	0.0002	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0011	0.0001	0.0005	0.0026	0.0002	0.0001	0.0002	0.0000

World Logistics Center
Mobile Emissions - 2026 (Net) - Unmitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0386	0.0359	0.0341	0.0380
10 mph	0.0053	0.0069	0.0056	0.0056	0.0049	0.0045	0.0044	0.0049
15 mph	0.0035	0.0046	0.0037	0.0038	0.0033	0.0030	0.0029	0.0032
20 mph	0.0025	0.0033	0.0026	0.0026	0.0023	0.0021	0.0020	0.0023
25 mph	0.0018	0.0024	0.0019	0.0020	0.0017	0.0016	0.0015	0.0017
30 mph	0.0014	0.0019	0.0015	0.0015	0.0013	0.0012	0.0012	0.0013
35 mph	0.0012	0.0016	0.0012	0.0012	0.0011	0.0010	0.0010	0.0011
40 mph	0.0010	0.0014	0.0011	0.0011	0.0010	0.0009	0.0008	0.0010
45 mph	0.0009	0.0012	0.0010	0.0010	0.0009	0.0008	0.0008	0.0009
50 mph	0.0009	0.0012	0.0009	0.0010	0.0009	0.0008	0.0007	0.0009
55 mph	0.0009	0.0012	0.0010	0.0010	0.0009	0.0008	0.0007	0.0009
60 mph	0.0010	0.0013	0.0010	0.0010	0.0009	0.0008	0.0008	0.0009
65 mph	0.0011	0.0014	0.0012	0.0010	0.0011	0.0010		
70 mph	0.0012	0.0016	0.0012	0.0013	0.0011	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7943	0.8082	0.0245	0.0137
10 mph	0.0109	0.2771	0.0095	0.0076	0.0278	0.0339	0.0049	0.0130
15 mph	0.0088	0.2009	0.0081	0.0062	0.0210	0.0267	0.0038	0.0096
20 mph	0.0070	0.1537	0.0068	0.0051	0.0173	0.0221	0.0032	0.0067
25 mph	0.0057	0.1231	0.0058	0.0043	0.0144	0.0185	0.0030	0.0072
30 mph	0.0048	0.1033	0.0051	0.0038	0.0126	0.0162	0.0031	0.0077
35 mph	0.0042	0.0910	0.0046	0.0034	0.0115	0.0146	0.0037	0.0091
40 mph	0.0038	0.0834	0.0042	0.0031	0.0107	0.0135	0.0047	0.0114
45 mph	0.0036	0.0795	0.0039	0.0029	0.0101	0.0127	0.0060	0.0146
50 mph	0.0035	0.0798	0.0037	0.0028	0.0098	0.0122	0.0077	0.0186
55 mph	0.0035	0.0836	0.0035	0.0027	0.0096	0.0119	0.0098	0.0243
60 mph	0.0036	0.0913	0.0035	0.0027	0.0098	0.0120	0.0122	0.0298
65 mph	0.0038	0.1053	0.0035	0.0029	0.0111	0.0131		
70 mph	0.0038	0.1256	0.0037	0.0032	0.0171	0.0173		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0454
10 mph								0.0073
15 mph								0.0060
20 mph								0.0051
25 mph								0.0046
30 mph								0.0043
35 mph								0.0041
40 mph								0.0039
45 mph								0.0039
50 mph								0.0040
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0049	0.0005	0.0019	0.0079	0.0031	0.0009	0.0014	0.0000	0.0206
15 mph	0.0013	0.0001	0.0005	0.0021	0.0008	0.0002	0.0003	0.0000	0.0054
20 mph	0.0018	0.0002	0.0007	0.0030	0.0012	0.0003	0.0004	0.0000	0.0076
25 mph	0.0067	0.0007	0.0027	0.0109	0.0044	0.0012	0.0018	0.0000	0.0284
30 mph	0.0058	0.0006	0.0023	0.0093	0.0037	0.0010	0.0012	0.0000	0.0240
35 mph	0.0039	0.0004	0.0015	0.0063	0.0025	0.0007	0.0005	0.0000	0.0158
40 mph	0.0011	0.0001	0.0004	0.0018	0.0007	0.0002	0.0004	0.0000	0.0049
45 mph	0.0009	0.0001	0.0003	0.0014	0.0006	0.0002	0.0003	0.0000	0.0037
50 mph	0.0008	0.0001	0.0003	0.0013	0.0005	0.0001	0.0005	0.0000	0.0038
55 mph	0.0007	0.0001	0.0003	0.0011	0.0004	0.0001	0.0001	0.0000	0.0028
60 mph	0.0014	0.0001	0.0006	0.0023	0.0010	0.0003	0.0001	0.0000	0.0058
65 mph	0.0002	0.0000	0.0001	0.0003	0.0001	0.0000	-	-	0.0008
70 mph	-	-	-	-	-	-	-	-	-
total	0.0295	0.0030	0.0117	0.0477	0.0192	0.0053	0.0071	0.0001	0.1236

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0004	0.0000	0.0002	0.0014	0.0007	0.0002	-	-	0.0028
15 mph	0.0003	0.0000	0.0001	0.0009	0.0004	0.0001	-	-	0.0019
20 mph	0.0002	0.0000	0.0001	0.0006	0.0003	0.0001	0.0008	0.0000	0.0021
25 mph	0.0003	0.0000	0.0001	0.0009	0.0005	0.0001	0.0010	0.0000	0.0030
30 mph	0.0004	0.0000	0.0002	0.0015	0.0007	0.0002	0.0013	0.0000	0.0044
35 mph	0.0008	0.0001	0.0003	0.0027	0.0014	0.0004	0.0011	0.0000	0.0068
40 mph	0.0008	0.0001	0.0003	0.0026	0.0013	0.0004	0.0009	0.0000	0.0063
45 mph	0.0006	0.0001	0.0002	0.0019	0.0010	0.0003	0.0006	0.0000	0.0046
50 mph	0.0006	0.0001	0.0002	0.0021	0.0010	0.0003	0.0003	0.0000	0.0046
55 mph	0.0003	0.0000	0.0001	0.0012	0.0006	0.0002	0.0001	0.0000	0.0026
60 mph	0.0002	0.0000	0.0001	0.0008	0.0004	0.0001	0.0109	0.0001	0.0126
65 mph	0.0001	0.0000	0.0000	0.0003	0.0001	0.0000	-	-	0.0006
70 mph	0.0043	0.0004	0.0016	0.0140	0.0072	0.0019	-	-	0.0294
total	0.0092	0.0009	0.0036	0.0308	0.0156	0.0043	0.0171	0.0001	0.0816

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0031	0.0009	0.0013	0.0000	0.0053
15 mph	0.0257	0.0026	0.0102	0.0031	0.0013	0.0004	0.0005	0.0000	0.0439
25 mph	-	-	-	-	0.0013	0.0004	0.0012	0.0000	0.0029
35 mph	0.0368	0.0038	0.0146	0.0040	-	-	-	-	0.0592
total	0.0626	0.0063	0.0248	0.0071	0.0058	0.0016	0.0030	0.0000	0.1113

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0031	0.0009	0.0013	0.0000	0.0053
10 mph	0.0053	0.0005	0.0021	0.0092	0.0038	0.0011	0.0014	0.0000	0.0234
15 mph	0.0273	0.0027	0.0108	0.0061	0.0026	0.0007	0.0008	0.0000	0.0512
20 mph	0.0020	0.0002	0.0008	0.0036	0.0015	0.0004	0.0012	0.0000	0.0098
25 mph	0.0070	0.0007	0.0028	0.0119	0.0062	0.0017	0.0040	0.0000	0.0343
30 mph	0.0062	0.0006	0.0025	0.0108	0.0045	0.0012	0.0026	0.0000	0.0284
35 mph	0.0415	0.0042	0.0164	0.0130	0.0039	0.0011	0.0016	0.0000	0.0817
40 mph	0.0019	0.0002	0.0007	0.0044	0.0020	0.0006	0.0013	0.0000	0.0112
45 mph	0.0014	0.0001	0.0006	0.0033	0.0015	0.0004	0.0009	0.0000	0.0083
50 mph	0.0014	0.0001	0.0006	0.0034	0.0016	0.0004	0.0008	0.0000	0.0084
55 mph	0.0010	0.0001	0.0004	0.0023	0.0010	0.0003	0.0003	0.0000	0.0054
60 mph	0.0017	0.0002	0.0007	0.0031	0.0013	0.0004	0.0110	0.0001	0.0184
65 mph	0.0003	0.0000	0.0001	0.0005	0.0003	0.0001	-	-	0.0013
70 mph	0.0043	0.0004	0.0016	0.0140	0.0072	0.0019	-	-	0.0294
total	0.1014	0.0103	0.0401	0.0856	0.0406	0.0112	0.0272	0.0002	0.3164

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0003	0.0146	0.0124	0.0083	0.0414	0.0772
15 mph	0.0000	0.0000	0.0000	0.0001	0.0044	0.0039	0.0022	0.0102	0.0208
20 mph	0.0001	0.0000	0.0000	0.0002	0.0073	0.0065	0.0036	0.0142	0.0317
25 mph	0.0002	0.0000	0.0001	0.0007	0.0302	0.0270	0.0184	0.0844	0.1610
30 mph	0.0002	0.0000	0.0001	0.0006	0.0291	0.0260	0.0178	0.0815	0.1553
35 mph	0.0001	0.0000	0.0000	0.0005	0.0217	0.0193	0.0095	0.0433	0.0944
40 mph	0.0000	0.0000	0.0000	0.0001	0.0067	0.0059	0.0132	0.0603	0.0863
45 mph	0.0000	0.0000	0.0000	0.0001	0.0053	0.0046	0.0135	0.0620	0.0856
50 mph	0.0000	0.0000	0.0000	0.0001	0.0052	0.0045	0.0283	0.1284	0.1664
55 mph	0.0000	0.0000	0.0000	0.0001	0.0040	0.0035	0.0083	0.0386	0.0545
60 mph	0.0001	0.0000	0.0000	0.0002	0.0083	0.0070	0.0104	0.0475	0.0734
65 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0010	-	-	0.0022
70 mph	-	-	-	-	-	-	-	-	-
total	0.0010	0.0001	0.0003	0.0029	0.1379	0.1216	0.1334	0.6117	1.0088

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0031	0.0027	-	-	0.0059
15 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0021	-	-	0.0045
20 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0017	0.0064	0.0256	0.0357
25 mph	0.0000	0.0000	0.0000	0.0001	0.0032	0.0029	0.0106	0.0484	0.0652
30 mph	0.0000	0.0000	0.0000	0.0001	0.0057	0.0051	0.0193	0.0881	0.1183
35 mph	0.0000	0.0000	0.0000	0.0002	0.0116	0.0103	0.0227	0.1040	0.1490
40 mph	0.0000	0.0000	0.0000	0.0002	0.0120	0.0106	0.0262	0.1195	0.1686
45 mph	0.0000	0.0000	0.0000	0.0002	0.0091	0.0080	0.0244	0.1118	0.1534
50 mph	0.0000	0.0000	0.0000	0.0002	0.0099	0.0086	0.0157	0.0712	0.1056
55 mph	0.0000	0.0000	0.0000	0.0001	0.0054	0.0047	0.0100	0.0464	0.0665
60 mph	0.0000	0.0000	0.0000	0.0001	0.0033	0.0028	0.8713	3.9927	4.8702
65 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0010	-	-	0.0023
70 mph	0.0001	0.0000	0.0000	0.0010	0.0888	0.0625	-	-	0.1524
total	0.0003	0.0000	0.0001	0.0021	0.1578	0.1229	1.0065	4.6077	5.8975

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0533	0.0378	0.0049	0.0051	0.1011
15 mph	0.0007	0.0000	0.0002	0.0001	0.0071	0.0063	0.0037	0.0174	0.0355
25 mph	-	-	-	-	0.0092	0.0082	0.0125	0.0573	0.0872
35 mph	0.0014	0.0001	0.0004	0.0003	-	-	-	-	0.0022
total	0.0021	0.0001	0.0006	0.0004	0.0696	0.0523	0.0210	0.0798	0.2260

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0533	0.0378	0.0049	0.0051	0.1011
10 mph	0.0001	0.0000	0.0000	0.0003	0.0178	0.0151	0.0083	0.0414	0.0831
15 mph	0.0007	0.0000	0.0002	0.0003	0.0138	0.0123	0.0058	0.0276	0.0608
20 mph	0.0001	0.0000	0.0000	0.0002	0.0092	0.0082	0.0100	0.0398	0.0675
25 mph	0.0002	0.0000	0.0001	0.0007	0.0426	0.0382	0.0414	0.1901	0.3134
30 mph	0.0002	0.0000	0.0001	0.0007	0.0348	0.0311	0.0371	0.1696	0.2736
35 mph	0.0016	0.0001	0.0005	0.0010	0.0334	0.0296	0.0322	0.1473	0.2455
40 mph	0.0001	0.0000	0.0000	0.0003	0.0188	0.0165	0.0393	0.1798	0.2549
45 mph	0.0001	0.0000	0.0000	0.0003	0.0144	0.0126	0.0379	0.1738	0.2390
50 mph	0.0001	0.0000	0.0000	0.0003	0.0151	0.0131	0.0440	0.1996	0.2720
55 mph	0.0000	0.0000	0.0000	0.0002	0.0095	0.0081	0.0183	0.0850	0.1210
60 mph	0.0001	0.0000	0.0000	0.0002	0.0116	0.0099	0.8817	4.0401	4.9436
65 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0020	-	-	0.0044
70 mph	0.0001	0.0000	0.0000	0.0010	0.0888	0.0625	-	-	0.1524
total	0.0033	0.0002	0.0010	0.0055	0.3654	0.2969	1.1609	5.2992	7.1324

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0013	0.0013
15 mph								0.0004	0.0004
20 mph								0.0006	0.0006
25 mph								0.0031	0.0031
30 mph								0.0026	0.0026
35 mph								0.0011	0.0011
40 mph								0.0012	0.0012
45 mph								0.0010	0.0010
50 mph								0.0016	0.0016
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0128	0.0128

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0011	0.0011
25 mph								0.0018	0.0018
30 mph								0.0028	0.0028
35 mph								0.0027	0.0027
40 mph								0.0024	0.0024
45 mph								0.0017	0.0017
50 mph								0.0009	0.0009
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0083	0.0083

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0006	0.0006
25 mph								0.0021	0.0021
35 mph								-	-
total	-	-	-	-	-	-	-	0.0037	0.0037

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0013	0.0013
15 mph								0.0010	0.0010
20 mph								0.0017	0.0017
25 mph								0.0069	0.0069
30 mph								0.0054	0.0054
35 mph								0.0038	0.0038
40 mph								0.0036	0.0036
45 mph								0.0027	0.0027
50 mph								0.0025	0.0025
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0298	0.0298

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0565	0.0387	0.0061	0.0061	0.1074
10 mph	0.0054	0.0005	0.0021	0.0096	0.0216	0.0161	0.0097	0.0428	0.1079
15 mph	0.0280	0.0028	0.0110	0.0064	0.0165	0.0130	0.0067	0.0286	0.1130
20 mph	0.0021	0.0002	0.0008	0.0038	0.0107	0.0086	0.0112	0.0415	0.0790
25 mph	0.0072	0.0007	0.0028	0.0126	0.0488	0.0399	0.0454	0.1970	0.3545
30 mph	0.0064	0.0006	0.0025	0.0115	0.0392	0.0323	0.0397	0.1750	0.3074
35 mph	0.0431	0.0043	0.0169	0.0140	0.0372	0.0306	0.0338	0.1511	0.3310
40 mph	0.0020	0.0002	0.0008	0.0048	0.0208	0.0171	0.0407	0.1834	0.2697
45 mph	0.0015	0.0001	0.0006	0.0036	0.0159	0.0130	0.0388	0.1765	0.2499
50 mph	0.0015	0.0001	0.0006	0.0037	0.0167	0.0135	0.0447	0.2020	0.2829
55 mph	0.0011	0.0001	0.0004	0.0024	0.0105	0.0084	0.0185	0.0850	0.1264
60 mph	0.0017	0.0002	0.0007	0.0033	0.0129	0.0102	0.8927	4.0402	4.9620
65 mph	0.0003	0.0000	0.0001	0.0006	0.0027	0.0021	-	-	0.0058
70 mph	0.0044	0.0004	0.0017	0.0149	0.0960	0.0644	-	-	0.1818
STREX	0.0037	0.0004	0.0014	0.0058	0.0004	0.0001	0.0002	0.0000	0.0122
total	0.1085	0.0108	0.0425	0.0969	0.4064	0.3082	1.1884	5.3292	**7.4908**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0016	0.0021	0.0017	0.0017	0.0004	0.0003	0.0004	0.0006
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0037	0.0004	0.0014	0.0058	0.0004	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0037	0.0004	0.0014	0.0058	0.0004	0.0001	0.0002	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.8306	0.0629	0.3112	1.2506	1.0752	0.3747	0.7623	0.0030
Diesel	0.0086	0.0000	0.0025	0.0337	0.9292	0.7404	4.0244	5.0990
Electric/NG	0.0281	0.0010	0.0065	0.0252	-	-	-	0.2964
Total	0.8673	0.0640	0.3202	1.3095	2.0044	1.1151	4.7868	5.3984

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3435	0.0260	0.1287	1.0800	1.1528	0.4018	2.7486	0.0107
Diesel	0.0036	0.0000	0.0010	0.0291	0.9963	0.7938	14.5101	18.3847
Electric/NG	0.0116	0.0004	0.0027	0.0218	-	-	-	1.0686
Total	0.3586	0.0265	0.1324	1.1310	2.1491	1.1956	17.2587	19.4639

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.7465	0.1323	0.6544	0.1805	0.1000	0.0349	0.1398	0.0005
Diesel	0.0181	0.0000	0.0053	0.0049	0.0864	0.0689	0.7380	0.9351
Electric/NG	0.0590	0.0022	0.0137	0.0036	-	-	-	0.0544
Total	1.8236	0.1345	0.6734	0.1891	0.1865	0.1037	0.8778	0.9900

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	2.9206	0.2213	1.0943	2.5111	2.3281	0.8113	3.6507	0.0142	13.5516
Diesel	0.0303	0.0001	0.0088	0.0677	2.0119	1.6031	19.2726	24.4188	47.4133
Electric/NG	0.0987	0.0036	0.0230	0.0507	-	-	-	1.4193	1.5953
Total	3.0496	0.2250	1.1260	2.6296	4.3400	2.4144	22.9233	25.8523	**62.5602**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	40.4620
Internal	57.5216
Total	**97.9837**

World Logistics Center
Mobile Emissions - 2026 (Net) - Unmitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0355	0.0330	0.0313	0.0350
10 mph	0.0048	0.0064	0.0051	0.0052	0.0045	0.0042	0.0040	0.0045
15 mph	0.0032	0.0043	0.0034	0.0035	0.0030	0.0028	0.0027	0.0030
20 mph	0.0023	0.0030	0.0024	0.0024	0.0021	0.0020	0.0019	0.0021
25 mph	0.0017	0.0022	0.0018	0.0018	0.0016	0.0014	0.0014	0.0016
30 mph	0.0013	0.0017	0.0014	0.0014	0.0012	0.0011	0.0011	0.0012
35 mph	0.0011	0.0014	0.0011	0.0011	0.0010	0.0009	0.0009	0.0010
40 mph	0.0009	0.0012	0.0010	0.0010	0.0009	0.0008	0.0008	0.0009
45 mph	0.0008	0.0011	0.0009	0.0009	0.0008	0.0007	0.0007	0.0008
50 mph	0.0008	0.0011	0.0009	0.0009	0.0008	0.0007	0.0007	0.0008
55 mph	0.0008	0.0011	0.0009	0.0009	0.0008	0.0007	0.0007	0.0008
60 mph	0.0009	0.0012	0.0009	0.0010	0.0009	0.0008	0.0007	0.0009
65 mph	0.0010	0.0013	0.0011	0.0011	0.0010	0.0009		
70 mph	0.0011	0.0015	0.0011	0.0012	0.0010	0.0009		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7600	0.7733	0.0235	0.0132
10 mph	0.0104	0.2651	0.0091	0.0073	0.0266	0.0324	0.0047	0.0125
15 mph	0.0084	0.1922	0.0077	0.0060	0.0201	0.0256	0.0037	0.0092
20 mph	0.0067	0.1471	0.0065	0.0049	0.0166	0.0212	0.0030	0.0064
25 mph	0.0055	0.1177	0.0055	0.0041	0.0137	0.0177	0.0028	0.0069
30 mph	0.0046	0.0988	0.0049	0.0036	0.0120	0.0155	0.0030	0.0074
35 mph	0.0040	0.0871	0.0044	0.0033	0.0110	0.0140	0.0036	0.0087
40 mph	0.0037	0.0798	0.0040	0.0030	0.0102	0.0129	0.0045	0.0109
45 mph	0.0035	0.0761	0.0037	0.0028	0.0096	0.0121	0.0057	0.0140
50 mph	0.0034	0.0763	0.0035	0.0027	0.0094	0.0117	0.0074	0.0178
55 mph	0.0033	0.0800	0.0034	0.0026	0.0092	0.0114	0.0094	0.0232
60 mph	0.0034	0.0873	0.0033	0.0026	0.0094	0.0115	0.0117	0.0286
65 mph	0.0036	0.1008	0.0034	0.0028	0.0106	0.0125		
70 mph	0.0037	0.1202	0.0035	0.0031	0.0164	0.0166		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0435
10 mph								0.0070
15 mph								0.0058
20 mph								0.0049
25 mph								0.0044
30 mph								0.0041
35 mph								0.0039
40 mph								0.0038
45 mph								0.0038
50 mph								0.0038
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0045	0.0004	0.0018	0.0072	0.0029	0.0008	0.0013	0.0000	0.0190
15 mph	0.0012	0.0001	0.0005	0.0019	0.0008	0.0002	0.0003	0.0000	0.0050
20 mph	0.0017	0.0002	0.0007	0.0027	0.0011	0.0003	0.0004	0.0000	0.0070
25 mph	0.0062	0.0006	0.0025	0.0100	0.0040	0.0011	0.0016	0.0000	0.0261
30 mph	0.0053	0.0005	0.0021	0.0086	0.0034	0.0010	0.0011	0.0000	0.0221
35 mph	0.0036	0.0004	0.0014	0.0058	0.0023	0.0006	0.0004	0.0000	0.0145
40 mph	0.0010	0.0001	0.0004	0.0017	0.0007	0.0002	0.0004	0.0000	0.0045
45 mph	0.0008	0.0001	0.0003	0.0013	0.0005	0.0001	0.0003	0.0000	0.0034
50 mph	0.0008	0.0001	0.0003	0.0012	0.0005	0.0001	0.0005	0.0000	0.0035
55 mph	0.0006	0.0001	0.0002	0.0010	0.0004	0.0001	0.0001	0.0000	0.0026
60 mph	0.0013	0.0001	0.0005	0.0021	0.0009	0.0002	0.0001	0.0000	0.0054
65 mph	0.0002	0.0000	0.0001	0.0003	0.0001	0.0000	-	-	0.0007
70 mph	-	-	-	-	-	-	-	-	-
total	0.0272	0.0027	0.0107	0.0439	0.0176	0.0049	0.0066	0.0001	0.1137

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0004	0.0000	0.0001	0.0013	0.0006	0.0002	-	-	0.0026
15 mph	0.0002	0.0000	0.0001	0.0008	0.0004	0.0001	-	-	0.0017
20 mph	0.0002	0.0000	0.0001	0.0006	0.0003	0.0001	0.0007	0.0000	0.0019
25 mph	0.0003	0.0000	0.0001	0.0009	0.0004	0.0001	0.0009	0.0000	0.0027
30 mph	0.0004	0.0000	0.0002	0.0013	0.0007	0.0002	0.0012	0.0000	0.0041
35 mph	0.0007	0.0001	0.0003	0.0025	0.0012	0.0003	0.0010	0.0000	0.0062
40 mph	0.0007	0.0001	0.0003	0.0024	0.0012	0.0003	0.0008	0.0000	0.0058
45 mph	0.0005	0.0001	0.0002	0.0018	0.0009	0.0002	0.0005	0.0000	0.0042
50 mph	0.0006	0.0001	0.0002	0.0019	0.0010	0.0003	0.0003	0.0000	0.0042
55 mph	0.0003	0.0000	0.0001	0.0011	0.0005	0.0001	0.0001	0.0000	0.0024
60 mph	0.0002	0.0000	0.0001	0.0007	0.0004	0.0001	0.0100	0.0001	0.0116
65 mph	0.0001	0.0000	0.0000	0.0003	0.0001	0.0000	-	-	0.0005
70 mph	0.0039	0.0004	0.0015	0.0128	0.0066	0.0018	-	-	0.0270
total	0.0085	0.0009	0.0033	0.0283	0.0143	0.0039	0.0157	0.0001	0.0750

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0029	0.0008	0.0012	0.0000	0.0049
15 mph	0.0237	0.0024	0.0094	0.0028	0.0012	0.0003	0.0005	0.0000	0.0403
25 mph	-	-	-	-	0.0012	0.0003	0.0011	0.0000	0.0027
35 mph	0.0339	0.0034	0.0134	0.0037	-	-	-	-	0.0544
total	0.0575	0.0058	0.0228	0.0065	0.0053	0.0015	0.0028	0.0000	0.1023

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0029	0.0008	0.0012	0.0000	0.0049
10 mph	0.0049	0.0005	0.0019	0.0085	0.0035	0.0010	0.0013	0.0000	0.0215
15 mph	0.0251	0.0025	0.0100	0.0056	0.0024	0.0007	0.0008	0.0000	0.0471
20 mph	0.0018	0.0002	0.0007	0.0033	0.0014	0.0004	0.0011	0.0000	0.0090
25 mph	0.0064	0.0007	0.0026	0.0109	0.0057	0.0016	0.0037	0.0000	0.0315
30 mph	0.0057	0.0006	0.0023	0.0099	0.0041	0.0011	0.0024	0.0000	0.0262
35 mph	0.0382	0.0039	0.0151	0.0119	0.0036	0.0010	0.0014	0.0000	0.0751
40 mph	0.0017	0.0002	0.0007	0.0041	0.0019	0.0005	0.0012	0.0000	0.0103
45 mph	0.0013	0.0001	0.0005	0.0030	0.0014	0.0004	0.0008	0.0000	0.0076
50 mph	0.0013	0.0001	0.0005	0.0031	0.0015	0.0004	0.0007	0.0000	0.0077
55 mph	0.0009	0.0001	0.0004	0.0021	0.0010	0.0003	0.0002	0.0000	0.0049
60 mph	0.0015	0.0002	0.0006	0.0028	0.0012	0.0003	0.0101	0.0001	0.0169
65 mph	0.0003	0.0000	0.0001	0.0006	0.0003	0.0001	-	-	0.0013
70 mph	0.0039	0.0004	0.0015	0.0128	0.0066	0.0018	-	-	0.0270
total	0.0932	0.0094	0.0369	0.0787	0.0373	0.0103	0.0250	0.0002	0.2910

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0003	0.0140	0.0119	0.0080	0.0397	0.0739
15 mph	0.0000	0.0000	0.0000	0.0001	0.0042	0.0037	0.0021	0.0098	0.0199
20 mph	0.0001	0.0000	0.0000	0.0001	0.0070	0.0062	0.0034	0.0136	0.0304
25 mph	0.0002	0.0000	0.0001	0.0006	0.0289	0.0259	0.0176	0.0808	0.1540
30 mph	0.0002	0.0000	0.0001	0.0006	0.0278	0.0249	0.0170	0.0780	0.1486
35 mph	0.0001	0.0000	0.0000	0.0004	0.0208	0.0184	0.0091	0.0414	0.0903
40 mph	0.0000	0.0000	0.0000	0.0001	0.0064	0.0057	0.0126	0.0577	0.0826
45 mph	0.0000	0.0000	0.0000	0.0001	0.0051	0.0044	0.0129	0.0593	0.0819
50 mph	0.0000	0.0000	0.0000	0.0001	0.0049	0.0043	0.0271	0.1228	0.1592
55 mph	0.0000	0.0000	0.0000	0.0001	0.0039	0.0033	0.0079	0.0369	0.0522
60 mph	0.0001	0.0000	0.0000	0.0002	0.0079	0.0067	0.0099	0.0454	0.0702
65 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0009	-	-	0.0021
70 mph	-	-	-	-	-	-	-	-	-
total	0.0009	0.0001	0.0003	0.0028	0.1320	0.1164	0.1276	0.5852	0.9652

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0030	0.0025	-	-	0.0056
15 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0020	-	-	0.0043
20 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0017	0.0062	0.0245	0.0342
25 mph	0.0000	0.0000	0.0000	0.0001	0.0031	0.0028	0.0101	0.0463	0.0624
30 mph	0.0000	0.0000	0.0000	0.0001	0.0054	0.0049	0.0184	0.0843	0.1131
35 mph	0.0000	0.0000	0.0000	0.0002	0.0111	0.0099	0.0218	0.0995	0.1425
40 mph	0.0000	0.0000	0.0000	0.0002	0.0115	0.0101	0.0250	0.1144	0.1613
45 mph	0.0000	0.0000	0.0000	0.0001	0.0087	0.0076	0.0233	0.1069	0.1467
50 mph	0.0000	0.0000	0.0000	0.0002	0.0095	0.0082	0.0150	0.0681	0.1011
55 mph	0.0000	0.0000	0.0000	0.0001	0.0052	0.0045	0.0095	0.0444	0.0637
60 mph	0.0000	0.0000	0.0000	0.0001	0.0032	0.0027	0.8336	3.8199	4.6595
65 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0010	-	-	0.0022
70 mph	0.0001	0.0000	0.0000	0.0009	0.0850	0.0598	-	-	0.1458
total	0.0003	0.0000	0.0001	0.0020	0.1510	0.1176	0.9630	4.4084	5.6424

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0510	0.0362	0.0046	0.0049	0.0967
15 mph	0.0006	0.0000	0.0002	0.0001	0.0068	0.0060	0.0035	0.0167	0.0339
25 mph	-	-	-	-	0.0088	0.0079	0.0119	0.0548	0.0834
35 mph	0.0013	0.0001	0.0004	0.0003	-	-	-	-	0.0021
total	0.0020	0.0001	0.0006	0.0004	0.0666	0.0501	0.0201	0.0763	0.2162

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0510	0.0362	0.0046	0.0049	0.0967
10 mph	0.0001	0.0000	0.0000	0.0003	0.0170	0.0144	0.0080	0.0397	0.0795
15 mph	0.0007	0.0000	0.0002	0.0003	0.0132	0.0118	0.0056	0.0265	0.0582
20 mph	0.0001	0.0000	0.0000	0.0002	0.0088	0.0079	0.0096	0.0380	0.0646
25 mph	0.0002	0.0000	0.0001	0.0007	0.0408	0.0365	0.0396	0.1819	0.2998
30 mph	0.0002	0.0000	0.0001	0.0007	0.0333	0.0297	0.0355	0.1623	0.2617
35 mph	0.0015	0.0001	0.0005	0.0009	0.0319	0.0283	0.0308	0.1409	0.2349
40 mph	0.0001	0.0000	0.0000	0.0003	0.0179	0.0158	0.0376	0.1721	0.2439
45 mph	0.0001	0.0000	0.0000	0.0003	0.0137	0.0120	0.0363	0.1663	0.2286
50 mph	0.0001	0.0000	0.0000	0.0003	0.0144	0.0125	0.0421	0.1909	0.2603
55 mph	0.0000	0.0000	0.0000	0.0002	0.0091	0.0078	0.0175	0.0813	0.1158
60 mph	0.0001	0.0000	0.0000	0.0002	0.0111	0.0094	0.8435	3.8653	4.7297
65 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0019	-	-	0.0043
70 mph	0.0001	0.0000	0.0000	0.0009	0.0850	0.0598	-	-	0.1458
total	0.0032	0.0002	0.0009	0.0052	0.3496	0.2840	1.1107	5.0700	6.8238

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0013	0.0013
15 mph								0.0003	0.0003
20 mph								0.0006	0.0006
25 mph								0.0029	0.0029
30 mph								0.0025	0.0025
35 mph								0.0011	0.0011
40 mph								0.0011	0.0011
45 mph								0.0009	0.0009
50 mph								0.0015	0.0015
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0123	0.0123

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0011	0.0011
25 mph								0.0017	0.0017
30 mph								0.0027	0.0027
35 mph								0.0025	0.0025
40 mph								0.0023	0.0023
45 mph								0.0016	0.0016
50 mph								0.0008	0.0008
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0080	0.0080

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
15 mph								0.0006	0.0006
25 mph								0.0020	0.0020
35 mph								-	-
total	-	-	-	-	-	-	-	0.0035	0.0035

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
10 mph								0.0013	0.0013
15 mph								0.0009	0.0009
20 mph								0.0017	0.0017
25 mph								0.0066	0.0066
30 mph								0.0052	0.0052
35 mph								0.0036	0.0036
40 mph								0.0034	0.0034
45 mph								0.0026	0.0026
50 mph								0.0023	0.0023
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0285	0.0285

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0539	0.0370	0.0058	0.0058	0.1025
10 mph	0.0050	0.0005	0.0020	0.0088	0.0205	0.0154	0.0093	0.0409	0.1023
15 mph	0.0258	0.0026	0.0101	0.0058	0.0157	0.0124	0.0064	0.0274	0.1062
20 mph	0.0019	0.0002	0.0007	0.0035	0.0102	0.0082	0.0107	0.0397	0.0752
25 mph	0.0067	0.0007	0.0026	0.0116	0.0464	0.0381	0.0433	0.1885	0.3379
30 mph	0.0059	0.0006	0.0023	0.0106	0.0374	0.0309	0.0379	0.1675	0.2930
35 mph	0.0397	0.0040	0.0156	0.0129	0.0355	0.0293	0.0323	0.1445	0.3137
40 mph	0.0018	0.0002	0.0007	0.0044	0.0198	0.0163	0.0389	0.1755	0.2576
45 mph	0.0014	0.0001	0.0005	0.0033	0.0151	0.0124	0.0371	0.1688	0.2388
50 mph	0.0014	0.0001	0.0005	0.0034	0.0159	0.0129	0.0428	0.1933	0.2703
55 mph	0.0010	0.0001	0.0004	0.0022	0.0100	0.0081	0.0177	0.0813	0.1208
60 mph	0.0016	0.0002	0.0006	0.0030	0.0123	0.0098	0.8537	3.8654	4.7466
65 mph	0.0003	0.0000	0.0001	0.0006	0.0026	0.0020	-	-	0.0055
70 mph	0.0040	0.0004	0.0016	0.0138	0.0915	0.0615	-	-	0.1728
STREX	0.0034	0.0003	0.0013	0.0054	0.0004	0.0001	0.0002	0.0000	0.0112
total	0.0998	0.0099	0.0391	0.0893	0.3873	0.2944	1.1359	5.0987	**7.1545**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0015	0.0019	0.0015	0.0016	0.0003	0.0003	0.0004	0.0006
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0034	0.0003	0.0013	0.0054	0.0004	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0034	0.0003	0.0013	0.0054	0.0004	0.0001	0.0002	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3295	0.0250	0.1234	0.4960	0.4426	0.1551	0.3152	0.0011
Diesel	0.0034	0.0000	0.0010	0.0134	0.3757	0.3016	1.6642	1.8499
Electric/NG	0.0111	0.0004	0.0026	0.0100	-	-	-	0.1075
Total	0.3440	0.0254	0.1270	0.5194	0.8183	0.4567	1.9794	1.9586

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1362	0.0103	0.0510	0.4284	0.4746	0.1663	1.1366	0.0041
Diesel	0.0014	0.0000	0.0004	0.0116	0.4028	0.3234	6.0002	6.6699
Electric/NG	0.0046	0.0002	0.0011	0.0086	-	-	-	0.3877
Total	0.1423	0.0105	0.0525	0.4486	0.8774	0.4897	7.1368	7.0617

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.6927	0.0525	0.2596	0.0716	0.0412	0.0144	0.0578	0.0002
Diesel	0.0072	0.0000	0.0021	0.0019	0.0350	0.0281	0.3052	0.3393
Electric/NG	0.0234	0.0009	0.0054	0.0014	-	-	-	0.0197
Total	0.7233	0.0534	0.2671	0.0750	0.0761	0.0425	0.3630	0.3592

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	1.1584	0.0878	0.4340	0.9960	0.9584	0.3358	1.5096	0.0055	5.4855
Diesel	0.0120	0.0000	0.0035	0.0269	0.8135	0.6531	7.9695	8.8591	18.3377
Electric/NG	0.0392	0.0014	0.0091	0.0201	-	-	-	0.5149	0.5847
Total	1.2096	0.0892	0.4466	1.0430	1.7719	0.9889	9.4792	9.3795	**24.4079**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	9.9316
Internal	14.1189
Total	**24.0505**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0415	0.0285	0.0045	0.0045	0.0790
10 mph	0.0032	0.0003	0.0012	0.0056	0.0158	0.0119	0.0071	0.0315	0.0767
15 mph	0.0165	0.0016	0.0065	0.0037	0.0121	0.0096	0.0049	0.0211	0.0760
20 mph	0.0012	0.0001	0.0005	0.0022	0.0079	0.0063	0.0082	0.0306	0.0571
25 mph	0.0043	0.0004	0.0017	0.0074	0.0358	0.0293	0.0333	0.1452	0.2574
30 mph	0.0038	0.0004	0.0015	0.0068	0.0288	0.0238	0.0292	0.1289	0.2231
35 mph	0.0254	0.0025	0.0100	0.0082	0.0273	0.0225	0.0248	0.1113	0.2321
40 mph	0.0012	0.0001	0.0005	0.0028	0.0153	0.0126	0.0299	0.1351	0.1974
45 mph	0.0009	0.0001	0.0003	0.0021	0.0117	0.0096	0.0286	0.1300	0.1832
50 mph	0.0009	0.0001	0.0003	0.0022	0.0122	0.0099	0.0329	0.1488	0.2074
55 mph	0.0006	0.0001	0.0002	0.0014	0.0077	0.0062	0.0136	0.0626	0.0925
60 mph	0.0010	0.0001	0.0004	0.0019	0.0095	0.0075	0.6573	2.9764	3.6542
65 mph	0.0002	0.0000	0.0001	0.0004	0.0020	0.0015	-	-	0.0041
70 mph	0.0026	0.0003	0.0010	0.0088	0.0705	0.0474	-	-	0.1305
total	0.0617	0.0062	0.0242	0.0537	0.2979	0.2266	0.8745	3.9260	5.4708

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2026 (Net) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	1,749	2.40	0.32	0.0005	0.82	0.0019	3.33
2	L	2,458	2.40	0.32	0.0005	1.15	0.0019	4.68
3	L	2,331	2.40	0.32	0.0005	1.09	0.0019	4.44
5	L	3,769	2.40	0.32	0.0005	1.76	0.0019	7.18
6	L	7,556	2.40	0.32	0.0005	3.53	0.0019	14.40
8	L	5,633	2.40	0.32	0.0005	2.63	0.0019	10.73
11	L	(1,135)	2.40	0.32	0.0005	(0.53)	0.0019	(2.16)
12	L	(1,730)	2.40	0.32	0.0005	(0.81)	0.0019	(3.30)
14	L	(927)	2.40	0.32	0.0005	(0.43)	0.0019	(1.77)
18	L	979	2.40	0.32	0.0005	0.46	0.0019	1.87
19	L	4,665	2.40	0.32	0.0005	2.18	0.0019	8.89
21	L	2,397	2.40	0.32	0.0005	1.12	0.0019	4.57
24	L	5,391	2.40	0.32	0.0005	2.52	0.0019	10.27
30	L	(5,295)	2.40	0.32	0.0005	(2.48)	0.0019	(10.09)
29	L	2,535	2.40	0.32	0.0005	1.19	0.0019	4.83
31	L	(182)	2.40	0.32	0.0005	(0.09)	0.0019	(0.35)
TOTAL						14.12		57.52

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2026 (Net) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	82,244	2.40	0.032	0.0001	4.73	0.0002	19.28
Freeway	F	180,119	2.40	0.015	0.0000	5.20	0.0001	21.19
TOTAL		262,363				9.93		40.46

World Logistics Center
Mobile Emissions - 2026 (Net) - Unmitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0056	0.0095	0.0078	0.0092	0.0125	0.0141	0.0224	0.2034
15 mph	0.0049	0.0083	0.0068	0.0080	0.0110	0.0124	0.0198	0.1797
20 mph	0.0044	0.0074	0.0061	0.0072	0.0101	0.0112	0.0179	0.1626
25 mph	0.0040	0.0067	0.0055	0.0065	0.0093	0.0102	0.0162	0.1491
30 mph	0.0037	0.0061	0.0051	0.0060	0.0087	0.0095	0.0149	0.1392
35 mph	0.0035	0.0058	0.0048	0.0057	0.0084	0.0090	0.0139	0.1321
40 mph	0.0033	0.0055	0.0046	0.0054	0.0081	0.0087	0.0134	0.1268
45 mph	0.0032	0.0054	0.0044	0.0053	0.0079	0.0084	0.0129	0.1235
50 mph	0.0032	0.0054	0.0044	0.0053	0.0079	0.0083	0.0127	0.1225
55 mph	0.0032	0.0055	0.0045	0.0054	0.0081	0.0085	0.0129	0.1242
60 mph	0.0034	0.0058	0.0047	0.0056	0.0084	0.0088	0.0134	0.1283
65 mph	0.0035	0.0062	0.0049	0.0059	0.0088	0.0092	0.0141	0.1341
70 mph	0.0037	0.0070	0.0051	0.0064	0.0098	0.0094	0.0140	0.1433

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0605	0.1325	0.0816	0.1016	0.1474	0.1649	0.2889	0.4747
15 mph	0.0497	0.1102	0.0676	0.0860	0.0959	0.1093	0.2273	0.3482
20 mph	0.0408	0.0905	0.0556	0.0714	0.0818	0.0934	0.1941	0.2883
25 mph	0.0342	0.0756	0.0466	0.0605	0.0726	0.0832	0.1695	0.2463
30 mph	0.0296	0.0651	0.0403	0.0524	0.0660	0.0751	0.1488	0.2158
35 mph	0.0268	0.0583	0.0364	0.0477	0.0661	0.0753	0.1329	0.1969
40 mph	0.0251	0.0543	0.0339	0.0446	0.0644	0.0727	0.1218	0.1795
45 mph	0.0242	0.0525	0.0327	0.0429	0.0629	0.0699	0.1154	0.1695
50 mph	0.0243	0.0525	0.0328	0.0432	0.0660	0.0725	0.1139	0.1643
55 mph	0.0254	0.0549	0.0342	0.0456	0.0689	0.0750	0.1171	0.1699
60 mph	0.0276	0.0594	0.0371	0.0494	0.0695	0.0752	0.1251	0.1801
65 mph	0.0310	0.0663	0.0416	0.0556	0.0706	0.0757	0.1379	0.1953
70 mph	0.0339	0.0691	0.0444	0.0609	0.0725	0.0776	0.1390	0.1977

*US EPA Emission Factors for Greenhouse Gas Inventories. (Idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.9356
15 mph								0.7851
20 mph								0.6852
25 mph								0.6311
30 mph								0.5965
35 mph								0.5690
40 mph								0.5466
45 mph								0.5277
50 mph								0.5116
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0052	0.0007	0.0027	0.0128	0.0080	0.0027	0.0072	0.0004	0.0397
15 mph	0.0018	0.0002	0.0009	0.0045	0.0028	0.0010	0.0021	0.0001	0.0135
20 mph	0.0033	0.0004	0.0017	0.0080	0.0051	0.0017	0.0038	0.0002	0.0243
25 mph	0.0148	0.0019	0.0077	0.0364	0.0237	0.0079	0.0191	0.0012	0.1127
30 mph	0.0151	0.0019	0.0078	0.0371	0.0245	0.0081	0.0160	0.0010	0.1115
35 mph	0.0117	0.0015	0.0060	0.0287	0.0192	0.0063	0.0067	0.0004	0.0804
40 mph	0.0037	0.0005	0.0019	0.0091	0.0062	0.0020	0.0072	0.0005	0.0310
45 mph	0.0030	0.0004	0.0015	0.0074	0.0050	0.0016	0.0055	0.0004	0.0248
50 mph	0.0030	0.0004	0.0015	0.0073	0.0050	0.0016	0.0089	0.0006	0.0283
55 mph	0.0024	0.0003	0.0012	0.0060	0.0041	0.0013	0.0021	0.0001	0.0176
60 mph	0.0050	0.0007	0.0026	0.0125	0.0085	0.0027	0.0021	0.0001	0.0343
65 mph	0.0007	0.0001	0.0003	0.0017	0.0011	0.0004	-	-	0.0042
70 mph	-	-	-	-	-	-	-	-	-
total	0.0696	0.0088	0.0360	0.1715	0.1132	0.0373	0.0807	0.0051	0.5223

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0004	0.0001	0.0002	0.0022	0.0017	0.0006	-	-	0.0052
15 mph	0.0004	0.0000	0.0002	0.0019	0.0015	0.0005	-	-	0.0046
20 mph	0.0003	0.0000	0.0002	0.0017	0.0014	0.0005	0.0069	0.0004	0.0115
25 mph	0.0006	0.0001	0.0003	0.0031	0.0025	0.0008	0.0110	0.0007	0.0192
30 mph	0.0011	0.0001	0.0006	0.0058	0.0048	0.0016	0.0173	0.0011	0.0324
35 mph	0.0024	0.0003	0.0012	0.0124	0.0103	0.0034	0.0162	0.0010	0.0472
40 mph	0.0026	0.0003	0.0013	0.0131	0.0110	0.0036	0.0142	0.0009	0.0471
45 mph	0.0020	0.0003	0.0010	0.0102	0.0086	0.0028	0.0099	0.0006	0.0355
50 mph	0.0022	0.0003	0.0011	0.0114	0.0097	0.0031	0.0049	0.0003	0.0331
55 mph	0.0012	0.0002	0.0006	0.0065	0.0055	0.0017	0.0025	0.0002	0.0184
60 mph	0.0008	0.0001	0.0004	0.0041	0.0034	0.0011	0.1808	0.0117	0.2024
65 mph	0.0003	0.0000	0.0001	0.0014	0.0012	0.0004	-	-	0.0035
70 mph	0.0131	0.0019	0.0068	0.0708	0.0617	0.0179	-	-	0.1722
total	0.0274	0.0037	0.0142	0.1447	0.1234	0.0380	0.2637	0.0170	0.6322

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0011	0.0003	0.0005	0.0000	0.0019
15 mph	0.0360	0.0046	0.0187	0.0065	0.0045	0.0015	0.0036	0.0002	0.0757
25 mph	-	-	-	-	0.0072	0.0024	0.0130	0.0008	0.0234
35 mph	0.1108	0.0139	0.0568	0.0183	-	-	-	-	0.1999
total	0.1467	0.0185	0.0756	0.0249	0.0128	0.0043	0.0171	0.0010	0.3009

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0011	0.0003	0.0005	0.0000	0.0019
10 mph	0.0056	0.0007	0.0029	0.0150	0.0097	0.0033	0.0072	0.0004	0.0449
15 mph	0.0381	0.0049	0.0199	0.0129	0.0088	0.0030	0.0057	0.0004	0.0938
20 mph	0.0036	0.0005	0.0019	0.0097	0.0065	0.0022	0.0108	0.0007	0.0358
25 mph	0.0155	0.0019	0.0080	0.0395	0.0334	0.0112	0.0431	0.0027	0.1553
30 mph	0.0163	0.0020	0.0084	0.0429	0.0292	0.0097	0.0333	0.0021	0.1439
35 mph	0.1249	0.0157	0.0641	0.0594	0.0295	0.0096	0.0229	0.0015	0.3275
40 mph	0.0063	0.0008	0.0032	0.0223	0.0172	0.0056	0.0213	0.0014	0.0781
45 mph	0.0050	0.0006	0.0026	0.0176	0.0137	0.0044	0.0155	0.0010	0.0603
50 mph	0.0052	0.0007	0.0027	0.0188	0.0147	0.0047	0.0138	0.0009	0.0614
55 mph	0.0036	0.0005	0.0019	0.0124	0.0096	0.0031	0.0046	0.0003	0.0360
60 mph	0.0058	0.0008	0.0030	0.0166	0.0119	0.0038	0.1830	0.0119	0.2367
65 mph	0.0009	0.0001	0.0005	0.0031	0.0023	0.0007	-	-	0.0077
70 mph	0.0131	0.0019	0.0068	0.0708	0.0617	0.0179	-	-	0.1722
total	0.2438	0.0311	0.1258	0.3411	0.2495	0.0795	0.3616	0.0232	1.4555

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0002	0.0038	0.0774	0.0603	0.4901	1.5098	2.1423
15 mph	0.0002	0.0000	0.0001	0.0013	0.0201	0.0160	0.1286	0.3692	0.5354
20 mph	0.0003	0.0000	0.0001	0.0022	0.0344	0.0273	0.2196	0.6112	0.8951
25 mph	0.0013	0.0000	0.0005	0.0091	0.1525	0.1218	1.0541	2.8716	4.2109
30 mph	0.0013	0.0000	0.0005	0.0087	0.1525	0.1210	0.8414	2.2873	3.4127
35 mph	0.0009	0.0000	0.0004	0.0065	0.1251	0.0992	0.3383	0.9392	1.5095
40 mph	0.0003	0.0000	0.0001	0.0020	0.0406	0.0319	0.3444	0.9514	1.3708
45 mph	0.0002	0.0000	0.0001	0.0016	0.0330	0.0256	0.2611	0.7190	1.0406
50 mph	0.0002	0.0000	0.0001	0.0016	0.0347	0.0265	0.4186	1.1322	1.6139
55 mph	0.0002	0.0000	0.0001	0.0014	0.0289	0.0219	0.0994	0.2702	0.4221
60 mph	0.0004	0.0000	0.0002	0.0030	0.0584	0.0440	0.1061	0.2864	0.4985
65 mph	0.0001	0.0000	0.0000	0.0004	0.0074	0.0055	-	-	0.0135
70 mph	-	-	-	-	-	-	-	-	-
total	0.0060	0.0000	0.0024	0.0416	0.7651	0.6011	4.3016	11.9475	17.6653

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0007	0.0166	0.0129	-	-	0.0303
15 mph	0.0000	0.0000	0.0000	0.0006	0.0108	0.0086	-	-	0.0200
20 mph	0.0000	0.0000	0.0000	0.0005	0.0092	0.0073	0.3958	1.1018	1.5147
25 mph	0.0001	0.0000	0.0000	0.0008	0.0163	0.0131	0.6046	1.6472	2.2821
30 mph	0.0001	0.0000	0.0000	0.0014	0.0297	0.0236	0.9101	2.4740	3.4390
35 mph	0.0002	0.0000	0.0001	0.0028	0.0671	0.0532	0.8131	2.2575	3.1939
40 mph	0.0002	0.0000	0.0001	0.0029	0.0726	0.0570	0.6830	1.8867	2.7025
45 mph	0.0002	0.0000	0.0001	0.0022	0.0567	0.0439	0.4707	1.2961	1.8698
50 mph	0.0002	0.0000	0.0001	0.0025	0.0669	0.0512	0.2322	0.6280	0.9811
55 mph	0.0001	0.0000	0.0000	0.0015	0.0388	0.0294	0.1194	0.3247	0.5139
60 mph	0.0001	0.0000	0.0000	0.0010	0.0235	0.0177	8.9286	24.0906	33.0614
65 mph	0.0000	0.0000	0.0000	0.0004	0.0080	0.0059	-	-	0.0143
70 mph	0.0012	0.0000	0.0005	0.0182	0.3756	0.2800	-	-	0.6756
total	0.0024	0.0000	0.0009	0.0353	0.7917	0.6038	13.1575	35.7067	50.2984

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0003	0.0002	0.0009	0.0018	0.0033
15 mph	0.0038	0.0000	0.0015	0.0019	0.0323	0.0257	0.2193	0.6297	0.9142
25 mph	-	-	-	-	0.0465	0.0371	0.7152	1.9485	2.7473
35 mph	0.0088	0.0000	0.0035	0.0041	-	-	-	-	0.0165
total	0.0126	0.0001	0.0050	0.0060	0.0791	0.0630	0.9354	2.5800	3.6812

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0003	0.0002	0.0009	0.0018	0.0033
10 mph	0.0006	0.0000	0.0002	0.0045	0.0941	0.0733	0.4901	1.5098	2.1726
15 mph	0.0040	0.0000	0.0016	0.0037	0.0633	0.0502	0.3478	0.9989	1.4696
20 mph	0.0003	0.0000	0.0001	0.0026	0.0436	0.0347	0.6154	1.7130	2.4098
25 mph	0.0014	0.0000	0.0005	0.0099	0.2153	0.1719	2.3739	6.4673	9.2403
30 mph	0.0013	0.0000	0.0005	0.0101	0.1822	0.1445	1.7516	4.7613	6.8517
35 mph	0.0099	0.0001	0.0039	0.0134	0.1921	0.1524	1.1513	3.1968	4.7199
40 mph	0.0005	0.0000	0.0002	0.0049	0.1132	0.0889	1.0274	2.8382	4.0732
45 mph	0.0004	0.0000	0.0002	0.0039	0.0897	0.0694	0.7318	2.0151	2.9104
50 mph	0.0004	0.0000	0.0002	0.0042	0.1015	0.0777	0.6508	1.7602	2.5950
55 mph	0.0003	0.0000	0.0001	0.0029	0.0677	0.0514	0.2188	0.5948	0.9360
60 mph	0.0005	0.0000	0.0002	0.0039	0.0819	0.0617	9.0347	24.3769	33.5599
65 mph	0.0001	0.0000	0.0000	0.0008	0.0154	0.0115	-	-	0.0277
70 mph	0.0012	0.0000	0.0005	0.0182	0.3756	0.2800	-	-	0.6756
total	0.0210	0.0001	0.0083	0.0830	1.6359	1.2679	18.3945	50.2342	71.6449

N2O Emissions (pounds/day) - Electricity/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1702	0.1702
15 mph								0.0476	0.0476
20 mph								0.0831	0.0831
25 mph								0.4210	0.4210
30 mph								0.3617	0.3617
35 mph								0.1553	0.1553
40 mph								0.1657	0.1657
45 mph								0.1280	0.1280
50 mph								0.2017	0.2017
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.7344	1.7344

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.1498	0.1498
25 mph								0.2415	0.2415
30 mph								0.3913	0.3913
35 mph								0.3733	0.3733
40 mph								0.3287	0.3287
45 mph								0.2308	0.2308
50 mph								0.1119	0.1119
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.1558	1.1558

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
15 mph								0.0812	0.0812
25 mph								0.2857	0.2857
35 mph								-	-
total	-	-	-	-	-	-	-	0.3672	0.3672

Total Emissions Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
10 mph								0.1702	0.1702
15 mph								0.1288	0.1288
20 mph								0.2329	0.2329
25 mph								0.9482	0.9482
30 mph								0.7530	0.7530
35 mph								0.5286	0.5286
40 mph								0.4944	0.4944
45 mph								0.3588	0.3588
50 mph								0.3136	0.3136
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.9287	3.9287

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0014	0.0006	0.0015	0.0021	0.0055
10 mph	0.0062	0.0007	0.0032	0.0195	0.1037	0.0766	0.4973	1.6805	2.3877
15 mph	0.0422	0.0049	0.0215	0.0167	0.0721	0.0532	0.3536	1.1281	1.6922
20 mph	0.0039	0.0005	0.0020	0.0124	0.0501	0.0368	0.6262	1.9466	2.6785
25 mph	0.0168	0.0020	0.0085	0.0495	0.2487	0.1831	2.4170	7.4181	10.3437
30 mph	0.0176	0.0021	0.0089	0.0530	0.2115	0.1542	1.7849	5.5164	7.7486
35 mph	0.1348	0.0157	0.0680	0.0728	0.2216	0.1620	1.1742	3.7268	5.5759
40 mph	0.0068	0.0008	0.0034	0.0272	0.1304	0.0945	1.0487	3.3340	4.6457
45 mph	0.0054	0.0006	0.0027	0.0214	0.1034	0.0738	0.7473	2.3749	3.3295
50 mph	0.0056	0.0007	0.0028	0.0229	0.1163	0.0824	0.6645	2.0747	2.9699
55 mph	0.0039	0.0005	0.0020	0.0153	0.0773	0.0544	0.2234	0.5951	0.9720
60 mph	0.0063	0.0008	0.0032	0.0205	0.0938	0.0655	9.2177	24.3888	33.7966
65 mph	0.0010	0.0001	0.0005	0.0039	0.0177	0.0122	-	-	0.0354
70 mph	0.0143	0.0019	0.0073	0.0890	0.4373	0.2980	-	-	0.8478
STREX	0.0515	0.0043	0.0230	0.0983	0.0446	0.0135	0.0165	0.0000	0.2518
total	0.3163	0.0355	0.1570	0.5224	1.9300	1.3610	18.7726	54.1861	**77.2809**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0223	0.0247	0.0266	0.0289	0.0378	0.0378	0.0292	0.0081
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0515	0.0043	0.0230	0.0983	0.0446	0.0135	0.0165	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0515	0.0043	0.0230	0.0983	0.0446	0.0135	0.0165	0.0000

World Logistics Center
Mobile Emissions - 2026 (Net) - Unmitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					2.1475	2.1637	3.3568	2.5252
10 mph	0.0070	0.0158	0.0116	0.0142	0.0158	0.0125	0.0273	0.3216
15 mph	0.0047	0.0107	0.0078	0.0095	0.0107	0.0084	0.0183	0.2132
20 mph	0.0033	0.0077	0.0055	0.0068	0.0078	0.0060	0.0130	0.1508
25 mph	0.0024	0.0058	0.0041	0.0050	0.0059	0.0044	0.0095	0.1119
30 mph	0.0019	0.0045	0.0032	0.0039	0.0047	0.0035	0.0073	0.0877
35 mph	0.0015	0.0038	0.0026	0.0032	0.0039	0.0029	0.0059	0.0727
40 mph	0.0013	0.0033	0.0023	0.0028	0.0035	0.0025	0.0052	0.0635
45 mph	0.0012	0.0030	0.0021	0.0026	0.0033	0.0023	0.0047	0.0584
50 mph	0.0012	0.0029	0.0020	0.0025	0.0032	0.0022	0.0046	0.0567
55 mph	0.0012	0.0029	0.0020	0.0025	0.0033	0.0023	0.0047	0.0579
60 mph	0.0013	0.0030	0.0021	0.0026	0.0035	0.0025	0.0050	0.0620
65 mph	0.0014	0.0033	0.0023	0.0029	0.0040	0.0028		
70 mph	0.0015	0.0040	0.0025	0.0032	0.0043	0.0027		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0245	0.1097
10 mph	0.0049	0.0209	0.0090	0.0050	0.0252	0.0253	0.0017	0.0038
15 mph	0.0025	0.0141	0.0044	0.0025	0.0130	0.0130	0.0009	0.0022
20 mph	0.0011	0.0100	0.0017	0.0010	0.0059	0.0058	0.0006	0.0014
25 mph	0.0007	0.0078	0.0011	0.0006	0.0039	0.0038	0.0005	0.0011
30 mph	0.0005	0.0065	0.0008	0.0005	0.0030	0.0030	0.0004	0.0009
35 mph	0.0004	0.0057	0.0006	0.0004	0.0026	0.0025	0.0003	0.0008
40 mph	0.0004	0.0051	0.0005	0.0003	0.0022	0.0021	0.0003	0.0007
45 mph	0.0003	0.0049	0.0005	0.0003	0.0020	0.0019	0.0002	0.0006
50 mph	0.0003	0.0049	0.0004	0.0003	0.0019	0.0018	0.0002	0.0006
55 mph	0.0003	0.0051	0.0003	0.0002	0.0018	0.0017	0.0003	0.0007
60 mph	0.0003	0.0055	0.0003	0.0002	0.0018	0.0017	0.0003	0.0008
65 mph	0.0003	0.0064	0.0003	0.0002	0.0021	0.0020		
70 mph	0.0003	0.0075	0.0003	0.0003	0.0033	0.0029		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.9445
10 mph								11.8037
15 mph								8.0410
20 mph								5.6374
25 mph								4.1397
30 mph								3.0783
35 mph								2.2927
40 mph								1.7123
45 mph								1.2847
50 mph								0.9715
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0065	0.0011	0.0040	0.0198	0.0101	0.0024	0.0088	0.0007	0.0534
15 mph	0.0017	0.0003	0.0011	0.0053	0.0027	0.0006	0.0020	0.0002	0.0139
20 mph	0.0024	0.0004	0.0015	0.0076	0.0040	0.0009	0.0028	0.0002	0.0199
25 mph	0.0090	0.0016	0.0057	0.0281	0.0150	0.0034	0.0112	0.0009	0.0749
30 mph	0.0077	0.0014	0.0049	0.0241	0.0131	0.0029	0.0078	0.0006	0.0625
35 mph	0.0051	0.0010	0.0033	0.0162	0.0090	0.0020	0.0029	0.0002	0.0397
40 mph	0.0015	0.0003	0.0009	0.0047	0.0027	0.0006	0.0028	0.0002	0.0137
45 mph	0.0011	0.0002	0.0007	0.0036	0.0021	0.0004	0.0020	0.0002	0.0104
50 mph	0.0011	0.0002	0.0007	0.0035	0.0020	0.0004	0.0032	0.0003	0.0114
55 mph	0.0009	0.0002	0.0006	0.0028	0.0017	0.0004	0.0008	0.0001	0.0073
60 mph	0.0019	0.0003	0.0012	0.0059	0.0036	0.0008	0.0008	0.0001	0.0145
65 mph	0.0003	0.0000	0.0002	0.0008	0.0005	0.0001	-	-	0.0019
70 mph	-	-	-	-	-	-	-	-	-
total	0.0392	0.0071	0.0248	0.1224	0.0664	0.0150	0.0449	0.0036	0.3234

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0005	0.0001	0.0003	0.0034	0.0022	0.0005	-	-	0.0071
15 mph	0.0004	0.0001	0.0002	0.0023	0.0015	0.0003	-	-	0.0048
20 mph	0.0003	0.0000	0.0002	0.0016	0.0011	0.0002	0.0050	0.0004	0.0088
25 mph	0.0004	0.0001	0.0002	0.0024	0.0016	0.0004	0.0064	0.0005	0.0120
30 mph	0.0006	0.0001	0.0004	0.0038	0.0025	0.0006	0.0085	0.0007	0.0171
35 mph	0.0011	0.0002	0.0007	0.0070	0.0048	0.0011	0.0069	0.0006	0.0223
40 mph	0.0010	0.0002	0.0007	0.0068	0.0048	0.0010	0.0055	0.0005	0.0204
45 mph	0.0008	0.0001	0.0005	0.0050	0.0036	0.0008	0.0036	0.0003	0.0146
50 mph	0.0008	0.0002	0.0005	0.0054	0.0039	0.0008	0.0018	0.0001	0.0135
55 mph	0.0005	0.0001	0.0003	0.0030	0.0022	0.0005	0.0009	0.0001	0.0076
60 mph	0.0003	0.0001	0.0002	0.0019	0.0014	0.0003	0.0680	0.0057	0.0779
65 mph	0.0001	0.0000	0.0001	0.0007	0.0005	0.0001	-	-	0.0016
70 mph	0.0053	0.0011	0.0033	0.0357	0.0267	0.0051	-	-	0.0772
total	0.0119	0.0023	0.0075	0.0791	0.0569	0.0118	0.1066	0.0088	0.2848

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1748	0.0533	0.1258	0.0009	0.3548
15 mph	0.0343	0.0060	0.0215	0.0078	0.0044	0.0010	0.0033	0.0003	0.0786
25 mph	-	-	-	-	0.0046	0.0010	0.0076	0.0006	0.0138
35 mph	0.0487	0.0090	0.0310	0.0104	-	-	-	-	0.0991
total	0.0830	0.0150	0.0525	0.0181	0.1837	0.0554	0.1367	0.0018	0.5463

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1748	0.0533	0.1258	0.0009	0.3548
10 mph	0.0070	0.0012	0.0044	0.0233	0.0122	0.0029	0.0088	0.0007	0.0605
15 mph	0.0364	0.0064	0.0228	0.0154	0.0086	0.0020	0.0053	0.0004	0.0973
20 mph	0.0027	0.0005	0.0017	0.0092	0.0050	0.0012	0.0078	0.0006	0.0287
25 mph	0.0094	0.0017	0.0059	0.0305	0.0212	0.0048	0.0252	0.0020	0.1007
30 mph	0.0083	0.0015	0.0052	0.0279	0.0156	0.0035	0.0163	0.0013	0.0796
35 mph	0.0549	0.0102	0.0349	0.0336	0.0138	0.0031	0.0097	0.0008	0.1610
40 mph	0.0025	0.0005	0.0016	0.0115	0.0074	0.0016	0.0083	0.0007	0.0341
45 mph	0.0019	0.0004	0.0012	0.0086	0.0056	0.0012	0.0057	0.0005	0.0250
50 mph	0.0019	0.0004	0.0012	0.0089	0.0059	0.0013	0.0049	0.0004	0.0249
55 mph	0.0013	0.0002	0.0009	0.0058	0.0039	0.0008	0.0017	0.0001	0.0148
60 mph	0.0022	0.0004	0.0014	0.0078	0.0050	0.0011	0.0688	0.0057	0.0924
65 mph	0.0004	0.0001	0.0002	0.0015	0.0011	0.0002	-	-	0.0035
70 mph	0.0053	0.0011	0.0033	0.0357	0.0267	0.0051	-	-	0.0772
total	0.1341	0.0244	0.0847	0.2197	0.3069	0.0822	0.2883	0.0143	1.1545

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0002	0.0133	0.0093	0.0028	0.0122	0.0378
15 mph	0.0000	0.0000	0.0000	0.0000	0.0027	0.0019	0.0005	0.0023	0.0075
20 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0017	0.0007	0.0029	0.0078
25 mph	0.0000	0.0000	0.0000	0.0001	0.0081	0.0055	0.0030	0.0133	0.0301
30 mph	0.0000	0.0000	0.0000	0.0001	0.0070	0.0048	0.0022	0.0098	0.0239
35 mph	0.0000	0.0000	0.0000	0.0001	0.0048	0.0033	0.0008	0.0036	0.0126
40 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0009	0.0008	0.0035	0.0066
45 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0007	0.0006	0.0025	0.0049
50 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0009	0.0041	0.0067
55 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0005	0.0002	0.0011	0.0025
60 mph	0.0000	0.0000	0.0000	0.0000	0.0015	0.0010	0.0003	0.0012	0.0041
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0001	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0001	0.0000	0.0001	0.0005	0.0444	0.0304	0.0127	0.0566	0.1449

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0028	0.0020	-	-	0.0049
15 mph	0.0000	0.0000	0.0000	0.0000	0.0015	0.0010	-	-	0.0025
20 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0012	0.0052	0.0076
25 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0006	0.0017	0.0077	0.0108
30 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0009	0.0024	0.0106	0.0153
35 mph	0.0000	0.0000	0.0000	0.0000	0.0026	0.0018	0.0019	0.0087	0.0150
40 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0017	0.0015	0.0068	0.0126
45 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0012	0.0010	0.0046	0.0086
50 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0013	0.0005	0.0023	0.0060
55 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0003	0.0013	0.0032
60 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	0.0227	0.1024	0.1261
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	0.0000	0.0000	0.0000	0.0001	0.0173	0.0103	-	-	0.0277
total	0.0000	0.0000	0.0000	0.0002	0.0352	0.0224	0.0332	0.1496	0.2407

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0099	0.0069	0.0049	0.0407	0.0623
15 mph	0.0002	0.0000	0.0001	0.0001	0.0044	0.0030	0.0009	0.0040	0.0126
25 mph	-	-	-	-	0.0025	0.0017	0.0020	0.0091	0.0152
35 mph	0.0001	0.0000	0.0001	0.0000	-	-	-	-	0.0002
total	0.0003	0.0000	0.0002	0.0001	0.0167	0.0116	0.0078	0.0538	0.0905

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0099	0.0069	0.0049	0.0407	0.0623
10 mph	0.0001	0.0000	0.0000	0.0002	0.0161	0.0113	0.0028	0.0122	0.0427
15 mph	0.0002	0.0000	0.0001	0.0001	0.0086	0.0060	0.0014	0.0063	0.0227
20 mph	0.0000	0.0000	0.0000	0.0000	0.0031	0.0022	0.0019	0.0081	0.0154
25 mph	0.0000	0.0000	0.0000	0.0001	0.0114	0.0078	0.0067	0.0301	0.0561
30 mph	0.0000	0.0000	0.0000	0.0001	0.0084	0.0057	0.0045	0.0204	0.0392
35 mph	0.0002	0.0000	0.0001	0.0001	0.0074	0.0050	0.0027	0.0123	0.0278
40 mph	0.0000	0.0000	0.0000	0.0000	0.0039	0.0026	0.0023	0.0103	0.0192
45 mph	0.0000	0.0000	0.0000	0.0000	0.0029	0.0019	0.0016	0.0071	0.0135
50 mph	0.0000	0.0000	0.0000	0.0000	0.0029	0.0019	0.0014	0.0064	0.0127
55 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0012	0.0005	0.0023	0.0058
60 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0014	0.0229	0.1036	0.1302
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	-	-	0.0008
70 mph	0.0000	0.0000	0.0000	0.0001	0.0173	0.0103	-	-	0.0277
total	0.0005	0.0000	0.0002	0.0009	0.0963	0.0645	0.0537	0.2599	0.4760

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								2.1475	2.1475
15 mph								0.4877	0.4877
20 mph								0.6838	0.6838
25 mph								2.7616	2.7616
30 mph								1.8668	1.8668
35 mph								0.6257	0.6257
40 mph								0.5192	0.5192
45 mph								0.3116	0.3116
50 mph								0.3830	0.3830
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	9.7869	9.7869

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1.2327	1.2327
25 mph								1.5841	1.5841
30 mph								2.0193	2.0193
35 mph								1.5040	1.5040
40 mph								1.0296	1.0296
45 mph								0.5618	0.5618
50 mph								0.2124	0.2124
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	6.3400	6.3400

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0413	0.0413
15 mph								0.8318	0.8318
25 mph								1.8738	1.8738
35 mph								-	-
total	-	-	-	-	-	-	-	2.7469	2.7469

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0413	0.0413
10 mph								2.1475	2.1475
15 mph								1.3194	1.3194
20 mph								1.9164	1.9164
25 mph								6.2195	6.2195
30 mph								3.8861	3.8861
35 mph								2.1297	2.1297
40 mph								1.5488	1.5488
45 mph								0.8735	0.8735
50 mph								0.5954	0.5954
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	20.6776	20.6776

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1847	0.0602	0.1307	0.0829	0.4584
10 mph	0.0071	0.0012	0.0044	0.0235	0.0283	0.0142	0.0116	2.1604	2.2507
15 mph	0.0366	0.0064	0.0229	0.0155	0.0171	0.0080	0.0067	1.3262	1.4394
20 mph	0.0027	0.0005	0.0017	0.0092	0.0082	0.0033	0.0097	1.9251	1.9605
25 mph	0.0094	0.0017	0.0059	0.0306	0.0326	0.0127	0.0319	6.2516	6.3763
30 mph	0.0083	0.0015	0.0053	0.0280	0.0240	0.0092	0.0208	3.9079	4.0050
35 mph	0.0550	0.0102	0.0350	0.0337	0.0212	0.0081	0.0125	2.1428	2.3185
40 mph	0.0025	0.0005	0.0016	0.0115	0.0113	0.0042	0.0106	1.5598	1.6021
45 mph	0.0019	0.0004	0.0012	0.0086	0.0085	0.0031	0.0072	0.8810	0.9119
50 mph	0.0019	0.0004	0.0012	0.0089	0.0088	0.0032	0.0064	0.6022	0.6330
55 mph	0.0014	0.0002	0.0009	0.0059	0.0057	0.0020	0.0022	0.0025	0.0206
60 mph	0.0022	0.0004	0.0014	0.0078	0.0072	0.0025	0.0918	0.1094	0.2226
65 mph	0.0004	0.0001	0.0002	0.0015	0.0015	0.0005	-	-	0.0042
70 mph	0.0053	0.0011	0.0033	0.0358	0.0440	0.0154	-	-	0.1049
STREX	0.0892	0.0092	0.0454	0.2098	0.0232	0.0071	0.0197	0.0000	0.4034
total	0.2238	0.0335	0.1303	0.4303	0.4264	0.1538	0.3616	20.9518	**22.7115**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0387	0.0524	0.0525	0.0617	0.0196	0.0198	0.0348	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0892	0.0092	0.0454	0.2098	0.0232	0.0071	0.0197	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0892	0.0092	0.0454	0.2098	0.0232	0.0071	0.0197	0.0000

World Logistics Center
Mobile Emissions - 2026 (Net) - Unmitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,418.37	5,156.88	13,119.83	22,008.65
10 mph	461.33	538.89	561.24	693.13	1,454.22	1,673.31	3,011.19	3,582.38
15 mph	377.04	440.30	458.43	565.56	1,187.68	1,365.65	2,462.99	2,939.90
20 mph	313.61	366.25	381.30	470.49	987.47	1,135.63	2,044.72	2,449.51
25 mph	268.14	313.26	326.19	402.87	844.13	970.73	1,750.01	2,096.06
30 mph	237.96	278.11	289.66	358.23	749.38	861.82	1,555.19	1,859.25
35 mph	220.68	258.01	268.78	333.04	695.10	799.54	1,442.87	1,721.26
40 mph	213.85	250.02	260.45	322.82	672.96	774.12	1,396.20	1,664.34
45 mph	214.96	251.18	261.62	324.13	675.43	776.97	1,402.30	1,665.72
50 mph	221.42	258.68	269.35	334.08	695.37	799.51	1,442.36	1,711.85
55 mph	230.05	268.74	279.91	347.38	723.94	832.32	1,499.23	1,779.54
60 mph	237.01	277.16	288.91	359.00	753.18	865.90	1,559.09	1,849.35
65 mph	242.73	284.41	296.61	369.36	776.09	891.80		
70 mph	245.64	288.81	299.25	379.02	788.48	902.34		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,591.10	5,784.30	5,984.63	5,478.94
10 mph	384.62	842.68	518.82	646.09	937.89	1,049.16	1,837.86	3,020.22
15 mph	316.43	701.21	430.35	547.13	609.80	695.53	1,446.37	2,215.50
20 mph	259.56	575.86	353.51	454.47	520.47	593.99	1,235.12	1,833.93
25 mph	217.67	481.05	296.45	385.03	461.63	529.38	1,078.09	1,566.62
30 mph	188.62	413.92	256.34	333.31	419.76	478.04	946.68	1,372.62
35 mph	170.61	371.04	231.30	303.32	420.78	479.14	845.71	1,252.50
40 mph	159.68	345.70	215.85	283.92	409.84	462.27	774.95	1,141.94
45 mph	154.25	333.71	208.13	273.14	399.94	444.55	734.40	1,078.64
50 mph	154.77	333.80	208.36	274.83	419.66	461.39	724.53	1,045.29
55 mph	161.91	349.00	217.79	290.01	438.09	477.09	745.28	1,080.84
60 mph	175.56	378.17	235.96	314.03	442.16	478.44	796.02	1,145.63
65 mph	197.51	421.50	264.97	353.67	449.36	481.32		
70 mph	215.44	439.52	282.63	387.26	461.11	493.63		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,669.57
10 mph								4,589.51
15 mph								3,851.34
20 mph								3,361.21
25 mph								3,095.83
30 mph								2,925.85
35 mph								2,791.34
40 mph								2,681.16
45 mph								2,588.71
50 mph								2,509.76
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	428.13	37.90	195.15	968.48	925.87	322.61	967.61	7.80	3,853.55
15 mph	139.96	12.38	63.76	316.10	302.47	105.32	263.82	2.13	1,205.94
20 mph	232.83	20.60	106.07	525.92	502.96	175.16	438.03	3.56	2,005.13
25 mph	995.36	88.12	453.68	2,251.65	2,149.76	748.62	2,061.93	16.74	8,765.85
30 mph	971.69	86.05	443.16	2,202.41	2,099.29	731.09	1,665.80	13.50	8,212.98
35 mph	737.28	65.32	336.45	1,675.26	1,593.20	554.93	695.48	5.62	5,663.53
40 mph	238.15	21.10	108.67	541.28	514.15	179.10	747.76	6.04	2,356.25
45 mph	199.49	17.66	90.97	452.90	430.03	149.80	600.81	4.84	1,946.50
50 mph	205.49	18.19	93.66	466.80	442.73	154.14	1,004.22	8.08	2,393.30
55 mph	170.80	15.12	77.86	388.31	368.74	128.38	240.88	1.94	1,392.01
60 mph	351.92	31.18	160.73	802.59	767.25	267.11	250.50	2.01	2,633.30
65 mph	45.05	4.00	20.63	103.22	98.82	34.39	-	-	306.11
70 mph	-	-	-	-	-	-	-	-	-
total	4,716.15	417.62	2,150.79	10,694.92	10,195.26	3,550.63	8,936.83	72.25	40,734.45

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	35.41	3.13	16.14	167.29	198.54	69.18	-	-	489.69
15 mph	28.94	2.56	13.18	136.50	162.15	56.46	-	-	399.79
20 mph	24.07	2.13	10.97	113.55	134.82	46.95	789.66	6.41	1,128.56
25 mph	41.16	3.64	18.76	194.46	230.49	80.26	1,182.73	9.60	1,761.11
30 mph	73.06	6.47	33.32	345.84	409.24	142.52	1,801.82	14.60	2,826.86
35 mph	152.44	13.50	69.57	723.42	854.09	297.49	1,671.69	13.52	3,795.72
40 mph	164.14	14.54	74.90	779.13	918.76	320.04	1,482.82	11.98	3,766.30
45 mph	131.99	11.69	60.19	625.84	737.71	256.97	1,083.12	8.72	2,916.22
50 mph	152.95	13.54	69.71	725.66	854.43	297.48	557.03	4.48	2,675.30
55 mph	88.29	7.81	40.25	419.20	494.18	172.05	289.50	2.33	1,513.61
60 mph	54.57	4.84	24.93	259.93	308.49	107.39	21,074.02	169.41	22,003.58
65 mph	18.63	1.65	8.53	89.14	105.96	36.87	-	-	260.78
70 mph	867.29	77.27	395.86	4,207.95	4,951.77	1,716.03	-	-	12,216.17
total	1,832.94	162.78	836.30	8,787.91	10,360.61	3,599.70	29,932.40	241.04	55,753.69

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	359.58	127.09	491.71	8.13	986.52
15 mph	2,775.02	245.56	1,264.19	460.61	485.30	168.98	449.98	3.64	5,853.27
25 mph	-	-	-	-	655.07	228.12	1,399.09	11.36	2,293.64
35 mph	6,988.50	619.11	3,189.10	1,072.43	-	-	-	-	11,869.14
total	9,763.52	864.67	4,453.29	1,533.04	1,499.96	524.18	2,340.78	23.13	21,002.57

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	359.58	127.09	491.71	8.13	986.52
10 mph	463.54	41.03	211.29	1,135.77	1,124.41	391.79	967.61	7.80	4,343.23
15 mph	2,943.92	260.50	1,341.13	913.21	949.92	330.75	713.80	5.77	7,459.01
20 mph	256.90	22.73	117.03	639.48	637.78	222.11	1,227.69	9.97	3,133.68
25 mph	1,036.52	91.76	472.44	2,446.11	3,035.32	1,057.00	4,643.75	37.69	12,820.60
30 mph	1,044.75	92.52	476.48	2,548.25	2,508.52	873.61	3,467.62	28.10	11,039.84
35 mph	7,878.23	697.93	3,595.11	3,471.11	2,447.29	852.43	2,367.17	19.14	21,328.40
40 mph	402.29	35.64	183.57	1,320.40	1,432.91	499.14	2,230.58	18.02	6,122.55
45 mph	331.48	29.35	151.16	1,078.74	1,167.74	406.77	1,683.93	13.56	4,862.72
50 mph	358.44	31.73	163.37	1,192.46	1,297.16	451.63	1,561.25	12.56	5,068.59
55 mph	259.08	22.93	118.11	807.50	862.92	300.43	530.38	4.27	2,905.62
60 mph	406.49	36.02	185.66	1,062.53	1,075.74	374.50	21,324.52	171.42	24,636.89
65 mph	63.68	5.65	29.16	192.36	204.78	71.26	-	-	566.89
70 mph	867.29	77.27	395.86	4,207.95	4,951.77	1,716.03	-	-	12,216.17
total	16,312.61	1,445.07	7,440.37	21,015.87	22,055.82	7,674.52	41,210.01	336.43	117,490.71

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	3.70	0.02	1.45	24.35	492.70	383.86	3,117.75	9,605.42	13,629.26
15 mph	1.22	0.01	0.48	8.25	128.14	101.79	817.87	2,348.71	3,406.46
20 mph	2.00	0.01	0.79	13.70	218.74	173.86	1,396.85	3,888.38	5,694.32
25 mph	8.37	0.05	3.31	58.05	970.03	774.74	6,705.87	18,268.95	26,789.38
30 mph	7.98	0.04	3.15	55.28	970.27	769.56	5,353.17	14,551.44	21,710.90
35 mph	5.91	0.03	2.32	41.16	795.78	631.10	2,152.00	5,975.13	9,603.42
40 mph	1.84	0.01	0.72	12.84	258.37	202.96	2,191.04	6,052.98	8,720.77
45 mph	1.48	0.01	0.58	10.30	210.10	162.65	1,661.11	4,573.98	6,620.21
50 mph	1.49	0.01	0.58	10.36	220.46	168.81	2,663.02	7,202.89	10,267.62
55 mph	1.25	0.01	0.49	8.75	184.12	139.64	632.15	1,718.73	2,685.12
60 mph	2.70	0.01	1.05	18.94	371.65	280.08	675.19	1,821.75	3,171.38
65 mph	0.38	0.00	0.15	2.67	47.21	35.22	-	-	85.63
70 mph	-	-	-	-	-	-	-	-	-
total	38.32	0.21	15.07	264.64	4,867.57	3,824.28	27,366.03	76,008.35	112,384.47

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.31	0.00	0.12	4.21	105.65	82.31	-	-	192.60
15 mph	0.25	0.00	0.10	3.56	68.69	54.57	-	-	127.18
20 mph	0.21	0.00	0.08	2.96	58.63	46.60	2,518.17	7,009.78	9,636.43
25 mph	0.35	0.00	0.14	5.01	104.00	83.07	3,846.51	10,479.13	14,518.21
30 mph	0.60	0.00	0.24	8.68	189.14	150.02	5,790.27	15,739.59	21,878.55
35 mph	1.22	0.01	0.48	17.77	426.60	338.32	5,172.71	14,362.24	20,319.35
40 mph	1.27	0.01	0.50	18.49	461.69	362.68	4,344.90	12,003.24	17,192.77
45 mph	0.98	0.01	0.38	14.23	360.43	279.02	2,994.58	8,245.76	11,895.38
50 mph	1.11	0.01	0.43	16.10	425.47	325.79	1,477.16	3,995.39	6,241.47
55 mph	0.64	0.00	0.25	9.44	246.76	187.15	759.74	2,065.63	3,269.61
60 mph	0.42	0.00	0.16	6.13	149.43	112.61	56,802.59	153,261.41	210,332.76
65 mph	0.16	0.00	0.06	2.30	50.62	37.76	-	-	90.90
70 mph	7.88	0.04	3.00	115.98	2,389.42	1,781.50	-	-	4,297.83
total	15.39	0.08	5.94	224.87	5,036.54	3,841.41	83,706.62	227,162.16	319,993.03

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	241.15	270.52	1,184.09	2,032.33	3,728.09
15 mph	24.14	0.13	9.52	12.02	205.60	163.32	1,395.01	4,006.08	5,815.82
25 mph	-	-	-	-	295.59	236.08	4,550.16	12,396.11	17,477.93
35 mph	55.99	0.30	22.02	26.35	-	-	-	-	104.66
total	80.13	0.43	31.54	38.37	742.33	669.92	7,129.27	18,434.51	27,126.50

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	241.15	270.52	1,184.09	2,032.33	3,728.09
10 mph	4.01	0.02	1.57	28.56	598.36	466.17	3,117.75	9,605.42	13,821.86
15 mph	25.60	0.14	10.10	23.83	402.43	319.68	2,212.89	6,354.79	9,349.46
20 mph	2.20	0.01	0.87	16.66	277.37	220.46	3,915.01	10,898.16	15,330.75
25 mph	8.72	0.05	3.44	63.07	1,369.63	1,093.89	15,102.54	41,144.19	58,785.52
30 mph	8.58	0.05	3.38	63.96	1,159.42	919.58	11,143.45	30,291.03	43,589.44
35 mph	63.12	0.34	24.82	85.28	1,222.38	969.42	7,324.71	20,337.36	30,027.43
40 mph	3.11	0.02	1.22	31.33	720.05	565.64	6,535.95	18,056.22	25,913.53
45 mph	2.47	0.01	0.96	24.52	570.53	441.67	4,655.69	12,819.74	18,515.59
50 mph	2.60	0.01	1.01	26.46	645.93	494.61	4,140.18	11,198.28	16,509.09
55 mph	1.89	0.01	0.74	18.19	430.87	326.79	1,391.89	3,784.35	5,954.72
60 mph	3.12	0.02	1.22	25.07	521.08	392.69	57,477.78	155,083.16	213,504.14
65 mph	0.54	0.00	0.21	4.97	97.83	72.98	-	-	176.53
70 mph	7.88	0.04	3.00	115.98	2,389.42	1,781.50	-	-	4,297.83
total	133.84	0.72	52.55	527.88	10,646.44	8,335.61	118,201.92	321,605.03	459,503.99

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								835.00	835.00
15 mph								233.57	233.57
20 mph								407.68	407.68
25 mph								2,065.22	2,065.22
30 mph								1,774.39	1,774.39
35 mph								761.77	761.77
40 mph								813.00	813.00
45 mph								627.97	627.97
50 mph								989.33	989.33
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	8,507.94	8,507.94

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								734.95	734.95
25 mph								1,184.62	1,184.62
30 mph								1,919.28	1,919.28
35 mph								1,831.04	1,831.04
40 mph								1,612.20	1,612.20
45 mph								1,132.08	1,132.08
50 mph								548.78	548.78
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5,669.89	5,669.89

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								120.31	120.31
15 mph								398.38	398.38
25 mph								1,401.33	1,401.33
35 mph								-	-
total	-	-	-	-	-	-	-	1,920.01	1,920.01

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								120.31	120.31
10 mph								835.00	835.00
15 mph								631.95	631.95
20 mph								1,142.64	1,142.64
25 mph								4,651.17	4,651.17
30 mph								3,693.67	3,693.67
35 mph								2,592.81	2,592.81
40 mph								2,425.21	2,425.21
45 mph								1,760.06	1,760.06
50 mph								1,538.11	1,538.11
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	19,390.91	19,390.91

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	600.73	397.61	1,675.80	2,160.77	4,834.91
10 mph	467.54	41.05	212.86	1,164.33	1,722.77	857.96	4,085.36	10,448.22	19,000.09
15 mph	2,969.52	260.64	1,351.23	937.04	1,352.35	650.43	2,926.68	6,992.51	17,440.41
20 mph	259.10	22.75	117.90	656.14	915.14	442.57	5,142.70	12,050.76	19,607.07
25 mph	1,045.24	91.81	475.89	2,509.18	4,404.95	2,150.89	19,746.29	45,833.05	76,257.29
30 mph	1,053.33	92.57	479.86	2,612.21	3,667.94	1,793.19	14,611.07	34,012.79	58,322.95
35 mph	7,941.35	698.27	3,619.93	3,556.39	3,669.67	1,821.84	9,691.88	22,949.31	53,948.64
40 mph	405.41	35.66	184.79	1,351.73	2,152.96	1,064.77	8,766.52	20,499.45	34,461.29
45 mph	333.95	29.36	152.12	1,103.26	1,738.27	848.44	6,339.63	14,593.35	25,138.37
50 mph	361.04	31.75	164.38	1,218.92	1,943.08	946.23	5,701.43	12,748.95	23,115.79
55 mph	260.97	22.94	118.85	825.69	1,293.79	627.22	1,922.26	3,788.62	8,860.35
60 mph	409.61	36.04	186.87	1,087.60	1,596.82	767.19	78,802.30	155,254.58	238,141.02
65 mph	64.22	5.66	29.37	197.33	302.61	144.24	-	-	743.43
70 mph	875.17	77.30	398.86	4,323.93	7,341.19	3,497.53	-	-	16,513.99
STREX	113.84	10.13	53.14	259.62	21.47	7.40	20.37	0.17	486.15
total	16,560.30	1,455.92	7,546.06	21,803.37	32,723.74	16,017.53	159,432.30	341,332.53	**596,871.76**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	49.38	57.98	61.52	76.29	18.16	20.68	36.06	44.50
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	113.84	10.13	53.14	259.62	21.47	7.40	20.37	0.17
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	113.84	10.13	53.14	259.62	21.47	7.40	20.37	0.17

World Logistics Center
Mobile Emissions - 2027 (Net) - Unmitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
28.87	948.80	432.86	6.07	8.19	113.25	71.61	193.05	7.82	27.80	27.96	63.58	5.97	82.96	25.10	657,146.76

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
5.27	173.16	79.00	1.11	1.49	20.67	13.07	35.23	1.43	5.07	5.10	11.60	1.09	15.14	4.58	119,929.28

World Logistics Center
Mobile Emissions - 2027 (Net) - Unmitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	1,456.22	15.41	54.08	38,218.46	404.33	1,419.45
LDT1	110.50	0.03	2.04	2,900.04	0.76	53.54
LDT2	545.96	4.55	12.83	14,328.83	119.36	336.81
MDT	1,650.57	46.37	38.43	25,265.74	709.86	588.24
LHDT1	565.50	484.68	-	12,738.98	10,918.42	-
LHDT2	170.08	334.83	-	3,831.33	7,542.66	-
MHDT	269.92	1,467.12	-	11,853.78	64,429.21	-
HHDT	1.89	2,733.99	160.55	82.83	120,064.55	7,050.62

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	27,037.64	286.04	1,004.19	11,180.82	118.29	415.26
LDT1	2,051.64	0.54	37.88	848.41	0.22	15.66
LDT2	10,136.93	84.44	238.28	4,191.90	34.92	98.54
MDT	13,557.14	380.90	315.64	11,708.60	328.96	272.60
LHDT1	6,147.64	5,269.07	-	6,591.34	5,649.35	-
LHDT2	1,848.95	3,639.98	-	1,982.39	3,902.68	-
MHDT	2,573.83	13,989.60	-	9,279.95	50,439.61	-
HHDT	17.98	26,069.78	1,530.91	64.84	93,994.77	5,519.71

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	1,351.88	102.58	506.85	677.86	307.38	92.45	154.43	1.08	3,194.51
15 mph	540.75	41.03	202.74	271.14	122.95	36.98	51.48	0.36	1,267.43
20 mph	1,081.51	82.07	405.48	542.29	245.91	73.96	102.95	0.72	2,534.87
25 mph	5,407.53	410.33	2,027.39	2,711.43	1,229.53	369.79	566.24	3.96	12,726.18
30 mph	5,948.28	451.36	2,230.12	2,982.57	1,352.48	406.77	514.77	3.60	13,889.95
35 mph	4,866.78	369.29	1,824.65	2,440.28	1,106.58	332.81	231.64	1.62	11,173.65
40 mph	1,622.26	123.10	608.22	813.43	368.86	110.94	257.38	1.80	3,905.98
45 mph	1,351.88	102.58	506.85	677.86	307.38	92.45	205.91	1.44	3,246.34
50 mph	1,351.88	102.58	506.85	677.86	307.38	92.45	334.60	2.34	3,375.93
55 mph	1,081.51	82.07	405.48	542.29	245.91	73.96	77.21	0.54	2,508.95
60 mph	2,163.01	164.13	810.95	1,084.57	491.81	147.92	77.21	0.54	4,940.15
65 mph	270.38	20.52	101.37	135.57	61.48	18.49	-	-	607.80
70 mph	-	-	-	-	-	-	-	-	-
total	27,037.64	2,051.64	10,136.93	13,557.14	6,147.64	1,848.95	2,573.83	17.98	63,371.74

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	111.81	8.48	41.92	117.09	65.91	19.82	-	-	365.03
15 mph	111.81	8.48	41.92	117.09	65.91	19.82	-	-	365.03
20 mph	111.81	8.48	41.92	117.09	65.91	19.82	185.60	1.30	551.93
25 mph	223.62	16.97	83.84	234.17	131.83	39.65	324.80	2.27	1,057.14
30 mph	447.23	33.94	167.68	468.34	263.65	79.30	556.80	3.89	2,020.83
35 mph	1,006.27	76.36	377.27	1,053.77	593.22	178.42	556.80	3.89	3,846.00
40 mph	1,118.08	84.84	419.19	1,170.86	659.13	198.24	510.40	3.57	4,164.31
45 mph	894.47	67.87	335.35	936.69	527.31	158.59	371.20	2.59	3,294.07
50 mph	1,006.27	76.36	377.27	1,053.77	593.22	178.42	185.60	1.30	3,472.21
55 mph	559.04	42.42	209.60	585.43	329.57	99.12	92.80	0.65	1,918.62
60 mph	335.42	25.45	125.76	351.26	197.74	59.47	6,495.97	45.39	7,636.46
65 mph	111.81	8.48	41.92	117.09	65.91	19.82	-	-	365.03
70 mph	5,143.18	390.27	1,928.28	5,385.96	3,032.01	911.90	-	-	16,791.59
total	11,180.82	848.41	4,191.90	11,708.60	6,591.34	1,982.39	9,279.95	64.84	45,848.25

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	38.91	11.70	17.79	0.18	68.59
15 mph	3,568.59	270.79	1,337.93	394.63	195.37	58.76	86.73	0.61	5,913.40
25 mph	-	-	-	-	371.04	111.59	379.51	2.65	864.80
35 mph	15,354.31	1,165.10	5,756.63	1,560.29	-	-	-	-	23,836.33
total	18,922.90	1,435.88	7,094.56	1,954.93	566.41	170.35	466.24	3.26	30,614.53

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	38.91	11.70	17.79	0.18	68.59
10 mph	1,463.69	111.07	548.77	794.94	373.30	112.27	154.43	1.08	3,559.54
15 mph	4,221.15	320.30	1,582.59	782.86	384.23	115.56	138.20	0.97	7,545.87
20 mph	1,193.31	90.55	447.40	659.37	311.82	93.78	288.55	2.02	3,086.80
25 mph	5,631.14	427.30	2,111.22	2,945.60	1,732.40	521.03	1,270.55	8.88	14,648.12
30 mph	6,395.51	485.30	2,397.80	3,450.91	1,616.14	486.06	1,071.56	7.49	15,910.77
35 mph	21,227.36	1,610.75	7,958.55	5,054.35	1,699.80	511.23	788.44	5.51	38,855.98
40 mph	2,740.34	207.94	1,027.41	1,984.29	1,027.99	309.18	767.78	5.36	8,070.29
45 mph	2,246.35	170.45	842.20	1,614.55	834.69	251.04	577.10	4.03	6,540.41
50 mph	2,358.16	178.94	884.12	1,731.63	900.60	270.86	520.20	3.63	6,848.14
55 mph	1,640.55	124.49	615.07	1,127.72	575.47	173.08	170.01	1.19	4,427.57
60 mph	2,498.44	189.58	936.71	1,435.83	689.55	207.39	6,573.18	45.93	12,576.61
65 mph	382.18	29.00	143.29	252.66	127.39	38.31	-	-	972.83
70 mph	5,143.18	390.27	1,928.28	5,385.96	3,032.01	911.90	-	-	16,791.59
total	57,141.36	4,335.93	21,423.39	27,220.67	13,305.39	4,001.69	12,320.01	86.09	139,834.52

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	14.30	0.03	4.22	19.04	263.45	182.00	839.38	1,564.19	2,886.61
15 mph	5.72	0.01	1.69	7.62	105.38	72.80	279.79	521.40	994.41
20 mph	11.44	0.02	3.38	15.24	210.76	145.60	559.58	1,042.79	1,988.81
25 mph	57.21	0.11	16.89	76.18	1,053.81	728.00	3,077.71	5,735.35	10,745.26
30 mph	62.93	0.12	18.58	83.80	1,159.20	800.79	2,797.92	5,213.96	10,137.29
35 mph	51.49	0.10	15.20	68.56	948.43	655.20	1,259.06	2,346.28	5,344.32
40 mph	17.16	0.03	5.07	22.85	316.14	218.40	1,398.96	2,606.98	4,585.60
45 mph	14.30	0.03	4.22	19.04	263.45	182.00	1,119.17	2,085.58	3,687.80
50 mph	14.30	0.03	4.22	19.04	263.45	182.00	1,818.65	3,389.07	5,690.77
55 mph	11.44	0.02	3.38	15.24	210.76	145.60	419.69	782.09	1,588.22
60 mph	22.88	0.04	6.76	30.47	421.53	291.20	419.69	782.09	1,974.66
65 mph	2.86	0.01	0.84	3.81	52.69	36.40	-	-	96.61
70 mph	-	-	-	-	-	-	-	-	-
total	286.04	0.54	84.44	380.90	5,269.07	3,639.98	13,989.60	26,069.78	49,720.35

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	1.18	0.00	0.35	3.29	56.49	39.03	-	-	100.34
15 mph	1.18	0.00	0.35	3.29	56.49	39.03	-	-	100.34
20 mph	1.18	0.00	0.35	3.29	56.49	39.03	1,008.79	1,879.90	2,989.03
25 mph	2.37	0.00	0.70	6.58	112.99	78.05	1,765.39	3,289.82	5,255.89
30 mph	4.73	0.01	1.40	13.16	225.97	156.11	3,026.38	5,639.69	9,067.44
35 mph	10.65	0.02	3.14	29.61	508.44	351.24	3,026.38	5,639.69	9,569.16
40 mph	11.83	0.02	3.49	32.90	564.94	390.27	2,774.18	5,169.71	8,947.33
45 mph	9.46	0.02	2.79	26.32	451.95	312.21	2,017.58	3,759.79	6,580.13
50 mph	10.65	0.02	3.14	29.61	508.44	351.24	1,008.79	1,879.90	3,791.79
55 mph	5.91	0.01	1.75	16.45	282.47	195.13	504.40	939.95	1,946.07
60 mph	3.55	0.01	1.05	9.87	169.48	117.08	35,307.73	65,796.34	101,405.10
65 mph	1.18	0.00	0.35	3.29	56.49	39.03	-	-	100.34
70 mph	54.41	0.10	16.06	151.32	2,598.70	1,795.23	-	-	4,615.84
total	118.29	0.22	34.92	328.96	5,649.35	3,902.68	50,439.61	93,994.77	154,468.80

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	33.35	23.04	96.70	180.20	333.29
15 mph	37.75	0.07	11.14	11.09	167.45	115.68	471.39	878.43	1,693.00
25 mph	-	-	-	-	318.02	219.69	2,062.76	3,843.98	6,444.46
35 mph	162.44	0.30	47.95	43.84	-	-	-	-	254.54
total	200.19	0.37	59.10	54.93	485.46	335.37	2,534.15	4,722.42	8,391.99

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	33.35	23.04	96.70	180.20	333.29
10 mph	15.49	0.03	4.57	22.33	319.95	221.03	839.38	1,564.19	2,986.96
15 mph	44.66	0.08	13.18	22.00	329.32	227.50	751.18	1,399.83	2,787.75
20 mph	12.62	0.02	3.73	18.53	267.26	184.63	1,568.38	2,922.69	4,977.85
25 mph	59.57	0.11	17.59	82.76	1,484.82	1,025.74	6,905.86	12,869.15	22,445.61
30 mph	67.66	0.13	19.97	96.96	1,385.17	956.90	5,824.30	10,853.64	19,204.73
35 mph	224.57	0.42	66.29	142.01	1,456.87	1,006.44	4,285.44	7,985.97	15,168.01
40 mph	28.99	0.05	8.56	55.75	881.08	608.67	4,173.14	7,776.69	13,532.93
45 mph	23.77	0.04	7.02	45.36	715.40	494.21	3,136.75	5,845.37	10,267.93
50 mph	24.95	0.05	7.36	48.65	771.90	533.24	2,827.44	5,268.97	9,482.55
55 mph	17.36	0.03	5.12	31.68	493.23	340.73	924.08	1,722.04	3,534.29
60 mph	26.43	0.05	7.80	40.34	591.01	408.28	35,727.41	66,578.43	103,379.75
65 mph	4.04	0.01	1.19	7.10	109.18	75.43	-	-	196.95
70 mph	54.41	0.10	16.06	151.32	2,598.70	1,795.23	-	-	4,615.84
total	604.53	1.13	178.46	764.79	11,403.89	7,878.03	66,963.36	124,786.97	212,581.15

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	50.21	1.89	11.91	15.78	-	-	-	91.85	171.65
15 mph	20.08	0.76	4.77	6.31	-	-	-	30.62	62.54
20 mph	40.17	1.52	9.53	12.63	-	-	-	61.24	125.08
25 mph	200.84	7.58	47.66	63.13	-	-	-	336.80	656.00
30 mph	220.92	8.33	52.42	69.44	-	-	-	306.18	657.30
35 mph	180.75	6.82	42.89	56.82	-	-	-	137.78	425.06
40 mph	60.25	2.27	14.30	18.94	-	-	-	153.09	248.85
45 mph	50.21	1.89	11.91	15.78	-	-	-	122.47	202.27
50 mph	50.21	1.89	11.91	15.78	-	-	-	199.02	278.82
55 mph	40.17	1.52	9.53	12.63	-	-	-	45.93	109.77
60 mph	80.34	3.03	19.06	25.25	-	-	-	45.93	173.61
65 mph	10.04	0.38	2.38	3.16	-	-	-	-	15.96
70 mph	-	-	-	-	-	-	-	-	-
total	1,004.19	37.88	238.28	315.64	-	-	-	1,530.91	3,126.90

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	4.15	0.16	0.99	2.73	-	-	-	-	8.02
15 mph	4.15	0.16	0.99	2.73	-	-	-	-	8.02
20 mph	4.15	0.16	0.99	2.73	-	-	-	110.39	118.41
25 mph	8.31	0.31	1.97	5.45	-	-	-	193.19	209.23
30 mph	16.61	0.63	3.94	10.90	-	-	-	331.18	363.27
35 mph	37.37	1.41	8.87	24.53	-	-	-	331.18	403.37
40 mph	41.53	1.57	9.85	27.26	-	-	-	303.58	383.79
45 mph	33.22	1.25	7.88	21.81	-	-	-	220.79	284.95
50 mph	37.37	1.41	8.87	24.53	-	-	-	110.39	182.58
55 mph	20.76	0.78	4.93	13.63	-	-	-	55.20	95.30
60 mph	12.46	0.47	2.96	8.18	-	-	-	3,863.80	3,887.86
65 mph	4.15	0.16	0.99	2.73	-	-	-	-	8.02
70 mph	191.02	7.21	45.33	125.40	-	-	-	-	368.95
total	415.26	15.66	98.54	272.60	-	-	-	5,519.71	6,321.77

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	10.58	10.58
15 mph	132.54	5.00	31.45	9.19	-	-	-	51.58	229.76
25 mph	-	-	-	-	-	-	-	225.73	225.73
35 mph	570.27	21.51	135.32	36.33	-	-	-	-	763.42
total	702.81	26.51	166.77	45.51	-	-	-	277.32	1,218.91

Total VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	10.58	10.58
10 mph	54.36	2.05	12.90	18.51	-	-	-	91.85	179.67
15 mph	156.78	5.91	37.20	18.23	-	-	-	82.20	300.32
20 mph	44.32	1.67	10.52	15.35	-	-	-	171.63	243.49
25 mph	209.14	7.89	49.63	68.58	-	-	-	755.72	1,090.96
30 mph	237.53	8.96	56.36	80.34	-	-	-	637.37	1,020.57
35 mph	788.40	29.74	187.07	117.68	-	-	-	468.96	1,591.85
40 mph	101.78	3.84	24.15	46.20	-	-	-	456.68	632.64
45 mph	83.43	3.15	19.80	37.59	-	-	-	343.26	487.23
50 mph	87.58	3.30	20.78	40.32	-	-	-	309.41	461.40
55 mph	60.93	2.30	14.46	26.26	-	-	-	101.12	205.07
60 mph	92.79	3.50	22.02	33.43	-	-	-	3,909.73	4,061.47
65 mph	14.19	0.54	3.37	5.88	-	-	-	-	23.98
70 mph	191.02	7.21	45.33	125.40	-	-	-	-	368.95
total	1,490.53	56.22	353.68	318.69	-	-	-	2,207.74	10,667.59

World Logistics Center
Mobile Emissions - 2027 (Net) - Unmitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	17626	330	0.21	3701.4	3532.8	37.4	131.2
	LDT1	15	1300	330	0.21	273.1	268.1	0.1	4.9
	LDT2	15	6508	330	0.21	1366.7	1324.5	11.0	31.1
	MDT	15	1961	330	0.21	411.8	391.6	11.0	9.1
	LHDT1	15	1723	330	0.21	361.8	194.8	167.0	0.0
	LHDT2	15	828	330	0.21	173.9	58.6	115.3	0.0
	MHDT	15	2637	330	0.21	553.9	86.1	467.8	0.0
	HHDT	15	4398	330	0.21	923.5	0.6	871.7	51.2
Travel at Light Logistics	LDA	15	127	175	0.11	13.9	13.3	0.1	0.5
	LDT1	15	9	175	0.11	1.0	1.0	0.0	0.0
	LDT2	15	47	175	0.11	5.1	5.0	0.0	0.1
	MDT	15	12	175	0.11	1.3	1.2	0.0	0.0
	LHDT1	15	7	175	0.11	0.8	0.4	0.4	0.0
	LHDT2	15	3	175	0.11	0.4	0.1	0.2	0.0
	MHDT	15	9	175	0.11	0.9	0.1	0.8	0.0
	HHDT	15	14	175	0.11	1.6	0.0	1.5	0.1
Travel at Utility	LDA	15	143	100	0.06	8.6	8.2	0.1	0.3
	LDT1	15	11	100	0.06	0.6	0.6	0.0	0.0
	LDT2	15	53	100	0.06	3.2	3.1	0.0	0.1
	MDT	15	31	100	0.06	1.8	1.7	0.0	0.0
	LHDT1	15	5	100	0.06	0.3	0.2	0.1	0.0
	LHDT2	15	2	100	0.06	0.1	0.0	0.1	0.0
	MHDT	15	9	100	0.06	0.5	0.1	0.5	0.0
	HHDT	15	15	100	0.06	0.9	0.0	0.8	0.0
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	93	50	0.03	2.8	0.4	2.4	0.0
	HHDT	15	155	50	0.03	4.7	0.0	4.4	0.3
Travel at Convenience Store	LDA	15	438	50	0.03	13.1	12.5	0.1	0.5
	LDT1	15	32	50	0.03	1.0	1.0	0.0	0.0
	LDT2	15	162	50	0.03	4.8	4.7	0.0	0.1
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	62	50	0.03	1.9	1.8	0.0	0.1
	LDT1	15	5	50	0.03	0.1	0.1	0.0	0.0
	LDT2	15	23	50	0.03	0.7	0.7	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	3568.6	270.8	1337.9	394.6	195.4	58.8	86.7	0.6
Diesel	37.8	0.1	11.1	11.1	167.4	115.7	471.4	878.4
Electric/Natural Gas (HHDT Only)	132.5	5.0	31.4	9.2	0.0	0.0	0.0	51.6

World Logistics Center
Mobile Emissions - 2027 (Net) - Unmitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	861	464	398	0	2319.1	1987.7	0.0
	LHDT2	5	414	139	275	0	697.5	1373.1	0.0
	MHDT	5	1319	205	1114	0	1024.6	5568.9	0.0
	HHDT	5	2199	1	2076	122	7.2	10377.7	609.4
Travel at Light Logistics	LHDT1	5	3	2	2	0	9.3	8.0	0.0
	LHDT2	5	2	1	1	0	2.8	5.5	0.0
	MHDT	5	4	1	4	0	3.3	18.0	0.0
	HHDT	5	7	0	7	0	0.0	33.6	2.0
Travel at Utility	LHDT1	5	2	1	1	0	6.3	5.4	0.0
	LHDT2	5	1	0	1	0	1.9	3.7	0.0
	MHDT	5	4	1	4	0	3.4	18.8	0.0
	HHDT	5	7	0	7	0	0.0	34.9	2.1
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	46	7	39	0	36.1	196.3	0.0
	HHDT	5	78	0	73	4	0.3	365.9	21.5
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	38.9	11.7	17.8	0.2
Diesel	33.4	23.0	96.7	180.2
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	10.6

World Logistics Center
Mobile Emissions - 2027 (Net) - Unmitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					15.8217	15.9708	27.0565	11.6168
10 mph	0.0235	0.0619	0.0425	0.0530	0.0651	0.0478	0.1162	1.4889
15 mph	0.0158	0.0421	0.0287	0.0357	0.0445	0.0323	0.0779	0.9868
20 mph	0.0111	0.0303	0.0204	0.0254	0.0326	0.0231	0.0554	0.6996
25 mph	0.0082	0.0227	0.0151	0.0189	0.0247	0.0172	0.0406	0.5193
30 mph	0.0063	0.0179	0.0117	0.0147	0.0196	0.0135	0.0312	0.4074
35 mph	0.0052	0.0148	0.0096	0.0121	0.0166	0.0111	0.0254	0.3379
40 mph	0.0045	0.0129	0.0083	0.0105	0.0148	0.0098	0.0222	0.2958
45 mph	0.0041	0.0118	0.0076	0.0096	0.0138	0.0090	0.0202	0.2723
50 mph	0.0040	0.0114	0.0073	0.0093	0.0136	0.0087	0.0195	0.2637
55 mph	0.0040	0.0114	0.0074	0.0094	0.0141	0.0090	0.0201	0.2699
60 mph	0.0042	0.0119	0.0077	0.0099	0.0151	0.0096	0.0216	0.2887
65 mph	0.0047	0.0130	0.0085	0.0109	0.0172	0.0109		
70 mph	0.0049	0.0154	0.0089	0.0118	0.0179	0.0103		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5253	2.3629
10 mph	0.1006	0.4230	0.1939	0.1043	0.5452	0.5472	0.0355	0.0825
15 mph	0.0511	0.2815	0.0951	0.0515	0.2790	0.2793	0.0197	0.0472
20 mph	0.0220	0.1958	0.0375	0.0209	0.1248	0.1238	0.0131	0.0292
25 mph	0.0140	0.1523	0.0227	0.0130	0.0813	0.0803	0.0102	0.0245
30 mph	0.0107	0.1265	0.0172	0.0099	0.0640	0.0629	0.0083	0.0198
35 mph	0.0087	0.1103	0.0137	0.0081	0.0535	0.0522	0.0068	0.0162
40 mph	0.0073	0.1003	0.0114	0.0067	0.0465	0.0451	0.0058	0.0139
45 mph	0.0064	0.0951	0.0097	0.0058	0.0417	0.0402	0.0053	0.0128
50 mph	0.0058	0.0947	0.0084	0.0052	0.0390	0.0374	0.0054	0.0128
55 mph	0.0054	0.0988	0.0075	0.0047	0.0372	0.0356	0.0059	0.0141
60 mph	0.0055	0.1075	0.0071	0.0046	0.0376	0.0359	0.0068	0.0164
65 mph	0.0057	0.1233	0.0072	0.0047	0.0428	0.0403		
70 mph	0.0058	0.1441	0.0074	0.0052	0.0676	0.0585		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0697
10 mph								0.5789
15 mph								0.3630
20 mph								0.2331
25 mph								0.1722
30 mph								0.1314
35 mph								0.1008
40 mph								0.0780
45 mph								0.0613
50 mph								0.0492
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0700	0.0140	0.0475	0.0792	0.0441	0.0098	0.0396	0.0035	0.3076
15 mph	0.0188	0.0038	0.0128	0.0214	0.0121	0.0026	0.0088	0.0008	0.0811
20 mph	0.0265	0.0055	0.0182	0.0304	0.0177	0.0038	0.0126	0.0011	0.1157
25 mph	0.0976	0.0205	0.0674	0.1127	0.0669	0.0140	0.0507	0.0045	0.4344
30 mph	0.0831	0.0178	0.0577	0.0968	0.0586	0.0121	0.0354	0.0032	0.3647
35 mph	0.0554	0.0120	0.0386	0.0649	0.0404	0.0082	0.0130	0.0012	0.2337
40 mph	0.0160	0.0035	0.0112	0.0188	0.0120	0.0024	0.0126	0.0012	0.0777
45 mph	0.0123	0.0027	0.0085	0.0144	0.0094	0.0018	0.0092	0.0009	0.0591
50 mph	0.0118	0.0026	0.0082	0.0139	0.0092	0.0018	0.0144	0.0014	0.0632
55 mph	0.0096	0.0021	0.0066	0.0112	0.0076	0.0015	0.0034	0.0003	0.0423
60 mph	0.0201	0.0043	0.0138	0.0236	0.0164	0.0031	0.0037	0.0003	0.0854
65 mph	0.0028	0.0006	0.0019	0.0032	0.0023	0.0004	-	-	0.0113
70 mph	-	-	-	-	-	-	-	-	-
total	0.4240	0.0894	0.2926	0.4905	0.2967	0.0615	0.2032	0.0185	1.8763

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0058	0.0012	0.0039	0.0137	0.0095	0.0021	-	-	0.0361
15 mph	0.0039	0.0008	0.0026	0.0092	0.0065	0.0014	-	-	0.0244
20 mph	0.0027	0.0006	0.0019	0.0066	0.0047	0.0010	0.0227	0.0020	0.0422
25 mph	0.0040	0.0008	0.0028	0.0097	0.0072	0.0015	0.0291	0.0026	0.0577
30 mph	0.0062	0.0013	0.0043	0.0152	0.0114	0.0024	0.0383	0.0035	0.0826
35 mph	0.0115	0.0025	0.0080	0.0280	0.0217	0.0044	0.0312	0.0029	0.1101
40 mph	0.0110	0.0024	0.0077	0.0271	0.0215	0.0043	0.0250	0.0023	0.1013
45 mph	0.0081	0.0018	0.0057	0.0199	0.0161	0.0032	0.0165	0.0016	0.0728
50 mph	0.0088	0.0019	0.0061	0.0216	0.0177	0.0034	0.0080	0.0008	0.0683
55 mph	0.0049	0.0011	0.0034	0.0121	0.0102	0.0020	0.0041	0.0004	0.0383
60 mph	0.0031	0.0007	0.0021	0.0076	0.0066	0.0013	0.3088	0.0289	0.3591
65 mph	0.0011	0.0002	0.0008	0.0028	0.0025	0.0005	-	-	0.0080
70 mph	0.0556	0.0132	0.0376	0.1400	0.1199	0.0207	-	-	0.3871
total	0.1270	0.0285	0.0870	0.3136	0.2555	0.0480	0.4835	0.0449	1.3880

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.3575	0.4121	1.0614	0.0046	2.8356
15 mph	0.1242	0.0251	0.0846	0.0311	0.0192	0.0042	0.0149	0.0013	0.3045
25 mph	-	-	-	-	0.0202	0.0042	0.0340	0.0030	0.0614
35 mph	0.1747	0.0380	0.1218	0.0415	-	-	-	-	0.3761
total	0.2989	0.0631	0.2064	0.0726	1.3969	0.4205	1.1103	0.0089	3.5777

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.3575	0.4121	1.0614	0.0046	2.8356
10 mph	0.0758	0.0152	0.0514	0.0928	0.0536	0.0118	0.0396	0.0035	0.3437
15 mph	0.1469	0.0297	0.1000	0.0617	0.0377	0.0082	0.0237	0.0021	0.4101
20 mph	0.0292	0.0060	0.0201	0.0369	0.0224	0.0048	0.0352	0.0031	0.1579
25 mph	0.1016	0.0214	0.0702	0.1224	0.0943	0.0198	0.1137	0.0102	0.5535
30 mph	0.0894	0.0191	0.0621	0.1119	0.0700	0.0144	0.0736	0.0067	0.4473
35 mph	0.2416	0.0525	0.1685	0.1345	0.0621	0.0125	0.0441	0.0041	0.7199
40 mph	0.0271	0.0059	0.0189	0.0459	0.0335	0.0067	0.0375	0.0035	0.1790
45 mph	0.0204	0.0044	0.0142	0.0343	0.0255	0.0050	0.0257	0.0024	0.1319
50 mph	0.0206	0.0045	0.0143	0.0355	0.0269	0.0052	0.0224	0.0021	0.1315
55 mph	0.0145	0.0031	0.0100	0.0234	0.0179	0.0034	0.0075	0.0007	0.0806
60 mph	0.0233	0.0050	0.0160	0.0312	0.0229	0.0044	0.3125	0.0292	0.4445
65 mph	0.0039	0.0008	0.0027	0.0061	0.0048	0.0009	-	-	0.0193
70 mph	0.0556	0.0132	0.0376	0.1400	0.1199	0.0207	-	-	0.3871
total	0.8498	0.1810	0.5860	0.8767	1.9490	0.5301	1.7970	0.0723	6.8420

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0032	0.0000	0.0018	0.0044	0.3167	0.2196	0.0656	0.2844	0.8958
15 mph	0.0006	0.0000	0.0004	0.0009	0.0648	0.0448	0.0122	0.0543	0.1780
20 mph	0.0006	0.0000	0.0003	0.0007	0.0580	0.0398	0.0162	0.0672	0.1827
25 mph	0.0018	0.0000	0.0008	0.0022	0.1889	0.1288	0.0694	0.3096	0.7015
30 mph	0.0015	0.0000	0.0007	0.0018	0.1636	0.1111	0.0510	0.2277	0.5575
35 mph	0.0010	0.0000	0.0005	0.0012	0.1120	0.0754	0.0189	0.0837	0.2927
40 mph	0.0003	0.0000	0.0001	0.0003	0.0324	0.0217	0.0180	0.0801	0.1529
45 mph	0.0002	0.0000	0.0001	0.0002	0.0242	0.0161	0.0132	0.0589	0.1130
50 mph	0.0002	0.0000	0.0001	0.0002	0.0226	0.0150	0.0215	0.0958	0.1555
55 mph	0.0001	0.0000	0.0001	0.0002	0.0173	0.0114	0.0054	0.0244	0.0589
60 mph	0.0003	0.0000	0.0001	0.0003	0.0350	0.0230	0.0063	0.0283	0.0933
65 mph	0.0000	0.0000	0.0000	0.0000	0.0050	0.0032	-	-	0.0083
70 mph	-	-	-	-	-	-	-	-	-
total	0.0097	0.0002	0.0049	0.0125	1.0405	0.7101	0.2977	1.3144	3.3900

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0003	0.0000	0.0001	0.0008	0.0679	0.0471	-	-	0.1162
15 mph	0.0001	0.0000	0.0001	0.0004	0.0348	0.0240	-	-	0.0594
20 mph	0.0001	0.0000	0.0000	0.0002	0.0156	0.0107	0.0291	0.1212	0.1768
25 mph	0.0001	0.0000	0.0000	0.0002	0.0203	0.0138	0.0398	0.1776	0.2517
30 mph	0.0001	0.0000	0.0001	0.0003	0.0319	0.0217	0.0552	0.2463	0.3555
35 mph	0.0002	0.0000	0.0001	0.0005	0.0600	0.0404	0.0454	0.2013	0.3480
40 mph	0.0002	0.0000	0.0001	0.0005	0.0579	0.0388	0.0357	0.1588	0.2919
45 mph	0.0001	0.0000	0.0001	0.0003	0.0415	0.0277	0.0238	0.1062	0.1997
50 mph	0.0001	0.0000	0.0001	0.0003	0.0437	0.0290	0.0119	0.0532	0.1383
55 mph	0.0001	0.0000	0.0000	0.0002	0.0231	0.0153	0.0065	0.0293	0.0745
60 mph	0.0000	0.0000	0.0000	0.0001	0.0141	0.0093	0.5314	2.3789	2.9337
65 mph	0.0000	0.0000	0.0000	0.0000	0.0053	0.0035	-	-	0.0089
70 mph	0.0007	0.0000	0.0003	0.0017	0.3872	0.2314	-	-	0.6214
total	0.0021	0.0001	0.0010	0.0055	0.8033	0.5126	0.7787	3.4726	5.5759

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2333	0.1612	0.1120	0.9389	1.4454
15 mph	0.0043	0.0000	0.0023	0.0013	0.1030	0.0712	0.0205	0.0914	0.2941
25 mph	-	-	-	-	0.0570	0.0389	0.0465	0.2075	0.3499
35 mph	0.0031	0.0001	0.0014	0.0008	-	-	-	-	0.0054
total	0.0074	0.0001	0.0038	0.0020	0.3934	0.2713	0.1790	1.2378	2.0948

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2333	0.1612	0.1120	0.9389	1.4454
10 mph	0.0034	0.0000	0.0020	0.0051	0.3846	0.2667	0.0656	0.2844	1.0120
15 mph	0.0050	0.0001	0.0028	0.0025	0.2026	0.1401	0.0326	0.1457	0.5315
20 mph	0.0006	0.0000	0.0003	0.0009	0.0736	0.0504	0.0453	0.1884	0.3594
25 mph	0.0018	0.0000	0.0009	0.0024	0.2662	0.1815	0.1558	0.6946	1.3032
30 mph	0.0016	0.0000	0.0008	0.0021	0.1955	0.1327	0.1062	0.4740	0.9129
35 mph	0.0043	0.0001	0.0020	0.0025	0.1720	0.1159	0.0643	0.2850	0.6461
40 mph	0.0005	0.0000	0.0002	0.0008	0.0903	0.0605	0.0537	0.2388	0.4449
45 mph	0.0003	0.0000	0.0001	0.0006	0.0657	0.0438	0.0370	0.1651	0.3127
50 mph	0.0003	0.0000	0.0001	0.0006	0.0664	0.0440	0.0334	0.1490	0.2937
55 mph	0.0002	0.0000	0.0001	0.0003	0.0404	0.0267	0.0119	0.0537	0.1334
60 mph	0.0003	0.0000	0.0001	0.0004	0.0490	0.0323	0.5377	2.4072	3.0270
65 mph	0.0001	0.0000	0.0000	0.0001	0.0103	0.0067	-	-	0.0172
70 mph	0.0007	0.0000	0.0003	0.0017	0.3872	0.2314	-	-	0.6214
total	0.0192	0.0003	0.0097	0.0200	2.2372	1.4940	1.2554	6.0248	11.0607

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1172	0.1172
15 mph								0.0245	0.0245
20 mph								0.0315	0.0315
25 mph								0.1279	0.1279
30 mph								0.0887	0.0887
35 mph								0.0306	0.0306
40 mph								0.0263	0.0263
45 mph								0.0165	0.0165
50 mph								0.0216	0.0216
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.4850	0.4850

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0567	0.0567
25 mph								0.0734	0.0734
30 mph								0.0960	0.0960
35 mph								0.0736	0.0736
40 mph								0.0522	0.0522
45 mph								0.0298	0.0298
50 mph								0.0120	0.0120
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.2997	0.2997

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0016	0.0016
15 mph								0.0413	0.0413
25 mph								0.0857	0.0857
35 mph								-	-
total	-	-	-	-	-	-	-	0.1286	0.1286

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0016	0.0016
10 mph								0.1172	0.1172
15 mph								0.0658	0.0658
20 mph								0.0882	0.0882
25 mph								0.2870	0.2870
30 mph								0.1847	0.1847
35 mph								0.1043	0.1043
40 mph								0.0786	0.0786
45 mph								0.0464	0.0464
50 mph								0.0336	0.0336
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.0074	1.0074

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2870	0.8034	0.4992	0.5518	0.8761	0.7672	0.4635	0.8110
Electric	-	-	-	-	-	-	-	-

RUNLOSS + HOTSOAK Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.9215	0.1958	0.6010	2.0081	1.0924	0.2877	0.2759	0.0034
Electric	-	-	-	-	-	-	-	-
Total	**0.9215**	**0.1958**	**0.6010**	**2.0081**	**1.0924**	**0.2877**	**0.2759**	**0.0034**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3706	0.7976	0.6056	0.7489	0.0762	0.0701	0.0553	0.0802
Electric	0.0315	0.0313	0.0314	0.0314	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.5949	0.0972	0.3645	1.3629	0.0475	0.0131	0.0164	0.0002
Electric	0.0019	0.0001	0.0004	0.0013	-	-	-	-
Total	0.5968	0.0972	0.3650	1.3642	0.0475	0.0131	0.0164	0.0002

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1563	0.2338	0.2226	0.2736	0.0906	0.0909	0.1745	0.0015
Diesel	-	-	-	-	-	-	-	-
Electric	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.5019	0.0570	0.2680	0.9958	0.1129	0.0341	0.1038	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric	-	-	-	-	-	-	-	-
Total	0.5019	0.0570	0.2680	0.9958	0.1129	0.0341	0.1038	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.5909	0.5733	1.1734	0.9451	4.2827
10 mph	0.0792	0.0152	0.0533	0.0980	0.4383	0.2785	0.1052	0.4052	1.4730
15 mph	0.1519	0.0298	0.1028	0.0642	0.2403	0.1483	0.0564	0.2136	1.0073
20 mph	0.0298	0.0061	0.0204	0.0378	0.0960	0.0552	0.0806	0.2797	0.6055
25 mph	0.1034	0.0214	0.0711	0.1248	0.3604	0.2013	0.2694	0.9917	2.1437
30 mph	0.0910	0.0192	0.0628	0.1141	0.2655	0.1471	0.1798	0.6655	1.5449
35 mph	0.2459	0.0526	0.1705	0.1370	0.2340	0.1284	0.1084	0.3934	1.4703
40 mph	0.0275	0.0059	0.0191	0.0468	0.1239	0.0672	0.0912	0.3209	0.7025
45 mph	0.0207	0.0044	0.0143	0.0349	0.0912	0.0488	0.0626	0.2139	0.4909
50 mph	0.0209	0.0045	0.0144	0.0360	0.0933	0.0492	0.0558	0.1847	0.4588
55 mph	0.0147	0.0031	0.0101	0.0237	0.0583	0.0302	0.0195	0.0544	0.2140
60 mph	0.0236	0.0050	0.0161	0.0317	0.0720	0.0367	0.8502	2.4364	3.4715
65 mph	0.0040	0.0008	0.0027	0.0061	0.0151	0.0076	-	-	0.0364
70 mph	0.0563	0.0133	0.0379	0.1417	0.5071	0.2521	-	-	1.0085
RL+HS	0.9215	0.1958	0.6010	2.0081	1.0924	0.2877	0.2759	0.0034	5.3857
RL+DIURN	0.5968	0.0972	0.3650	1.3642	0.0475	0.0131	0.0164	0.0002	2.5005
STREX	0.5019	0.0570	0.2680	0.9958	0.1129	0.0341	0.1038	0.0000	2.0736
total	2.8893	0.5313	1.8296	5.2649	5.4391	2.3590	3.4486	7.1081	**28.8698**

World Logistics Center
Mobile Emissions - 2027 (Net) - Unmitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.3800	1.3921	2.4039	27.5498
10 mph	0.0403	0.1068	0.0795	0.0970	0.1737	0.1877	0.3484	4.9001
15 mph	0.0355	0.0920	0.0692	0.0845	0.1535	0.1649	0.3097	4.3351
20 mph	0.0318	0.0814	0.0616	0.0754	0.1420	0.1499	0.2812	3.9564
25 mph	0.0289	0.0729	0.0555	0.0681	0.1315	0.1371	0.2542	3.6432
30 mph	0.0266	0.0670	0.0509	0.0628	0.1243	0.1278	0.2326	3.4200
35 mph	0.0250	0.0629	0.0476	0.0590	0.1198	0.1213	0.2170	3.2664
40 mph	0.0238	0.0602	0.0454	0.0564	0.1165	0.1165	0.2080	3.1549
45 mph	0.0231	0.0588	0.0441	0.0549	0.1146	0.1134	0.2002	3.0855
50 mph	0.0228	0.0591	0.0438	0.0547	0.1149	0.1121	0.1981	3.0660
55 mph	0.0232	0.0611	0.0449	0.0560	0.1179	0.1141	0.2019	3.1216
60 mph	0.0241	0.0651	0.0473	0.0589	0.1223	0.1185	0.2092	3.2249
65 mph	0.0252	0.0700	0.0498	0.0624	0.1291	0.1243		
70 mph	0.0259	0.0793	0.0508	0.0665	0.1448	0.1254		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					45.3818	45.7233	34.8895	28.9267
10 mph	0.0797	0.6096	0.1264	0.0779	0.7879	0.7540	5.1073	11.8003
15 mph	0.0592	0.6165	0.0858	0.0547	0.6716	0.6475	3.5959	7.7659
20 mph	0.0449	0.6298	0.0578	0.0392	0.6628	0.6288	2.8597	5.3765
25 mph	0.0385	0.6463	0.0450	0.0325	0.6603	0.6223	2.2381	4.5625
30 mph	0.0351	0.6654	0.0383	0.0293	0.6920	0.6450	1.6821	3.4359
35 mph	0.0329	0.6835	0.0338	0.0275	0.7467	0.6845	1.2390	2.6486
40 mph	0.0317	0.7084	0.0307	0.0262	0.7933	0.7204	0.9090	1.9598
45 mph	0.0312	0.7370	0.0284	0.0251	0.8266	0.7481	0.6923	1.5128
50 mph	0.0311	0.7632	0.0267	0.0248	0.8750	0.7896	0.5932	1.2474
55 mph	0.0309	0.7954	0.0254	0.0244	0.8910	0.8075	0.6083	1.2866
60 mph	0.0315	0.8257	0.0250	0.0245	0.9058	0.8203	0.7373	1.5349
65 mph	0.0316	0.8433	0.0253	0.0255	1.0208	0.9152		
70 mph	0.0333	0.8210	0.0275	0.0308	1.8705	1.5320		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								33.2734
10 mph								3.4348
15 mph								2.5581
20 mph								2.0034
25 mph								1.7236
30 mph								1.5566
35 mph								1.4345
40 mph								1.3426
45 mph								1.2734
50 mph								1.2226
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1202	0.0242	0.0888	0.1450	0.1178	0.0383	0.1186	0.0117	0.6645
15 mph	0.0423	0.0083	0.0309	0.0505	0.0416	0.0134	0.0352	0.0034	0.2258
20 mph	0.0759	0.0147	0.0551	0.0902	0.0770	0.0244	0.0638	0.0063	0.4075
25 mph	0.3442	0.0660	0.2479	0.4071	0.3564	0.1118	0.3174	0.0318	1.8825
30 mph	0.3495	0.0667	0.2505	0.4130	0.3708	0.1146	0.2640	0.0271	1.8563
35 mph	0.2681	0.0512	0.1915	0.3174	0.2924	0.0890	0.1108	0.0117	1.3320
40 mph	0.0852	0.0163	0.0609	0.1012	0.0948	0.0285	0.1180	0.0125	0.5174
45 mph	0.0689	0.0133	0.0493	0.0820	0.0777	0.0231	0.0909	0.0098	0.4150
50 mph	0.0681	0.0134	0.0489	0.0817	0.0779	0.0228	0.1462	0.0158	0.4748
55 mph	0.0552	0.0111	0.0402	0.0670	0.0639	0.0186	0.0344	0.0037	0.2941
60 mph	0.1152	0.0236	0.0846	0.1410	0.1326	0.0386	0.0356	0.0038	0.5749
65 mph	0.0150	0.0032	0.0111	0.0186	0.0175	0.0051	-	-	0.0705
70 mph	-	-	-	-	-	-	-	-	-
total	1.6078	0.3119	1.1598	1.9147	1.7203	0.5283	1.3349	0.1376	8.7153

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0099	0.0020	0.0073	0.0250	0.0253	0.0082	-	-	0.0778
15 mph	0.0088	0.0017	0.0064	0.0218	0.0223	0.0072	-	-	0.0682
20 mph	0.0078	0.0015	0.0057	0.0195	0.0206	0.0066	0.1151	0.0113	0.1881
25 mph	0.0142	0.0027	0.0103	0.0352	0.0382	0.0120	0.1820	0.0182	0.3128
30 mph	0.0263	0.0050	0.0188	0.0649	0.0723	0.0223	0.2856	0.0293	0.5245
35 mph	0.0554	0.0106	0.0396	0.1371	0.1567	0.0477	0.2664	0.0280	0.7416
40 mph	0.0587	0.0113	0.0420	0.1456	0.1694	0.0509	0.2341	0.0248	0.7367
45 mph	0.0456	0.0088	0.0326	0.1134	0.1332	0.0396	0.1639	0.0176	0.5548
50 mph	0.0507	0.0099	0.0364	0.1270	0.1503	0.0441	0.0811	0.0088	0.5083
55 mph	0.0285	0.0057	0.0208	0.0723	0.0857	0.0249	0.0413	0.0045	0.2837
60 mph	0.0179	0.0037	0.0131	0.0457	0.0533	0.0155	2.9964	0.3228	3.4683
65 mph	0.0062	0.0013	0.0046	0.0161	0.0188	0.0054	-	-	0.0524
70 mph	0.2937	0.0682	0.2161	0.7897	0.9683	0.2522	-	-	2.5883
total	0.6238	0.1325	0.4538	1.6132	1.9144	0.5367	4.3658	0.4654	10.1055

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1184	0.0359	0.0943	0.0109	0.2595
15 mph	0.2795	0.0549	0.2041	0.0735	0.0661	0.0214	0.0592	0.0058	0.7645
25 mph	-	-	-	-	0.1076	0.0337	0.2127	0.0213	0.3753
35 mph	0.8457	0.1616	0.6041	0.2029	-	-	-	-	1.8143
total	1.1252	0.2165	0.8082	0.2764	0.2921	0.0910	0.3662	0.0380	3.2136

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1184	0.0359	0.0943	0.0109	0.2595
10 mph	0.1302	0.0262	0.0961	0.1700	0.1430	0.0465	0.1186	0.0117	0.7422
15 mph	0.3306	0.0649	0.2414	0.1458	0.1301	0.0420	0.0944	0.0092	1.0585
20 mph	0.0838	0.0162	0.0608	0.1096	0.0977	0.0310	0.1789	0.0176	0.5956
25 mph	0.3584	0.0687	0.2582	0.4422	0.5022	0.1575	0.7121	0.0713	2.5706
30 mph	0.3758	0.0717	0.2693	0.4779	0.4431	0.1370	0.5496	0.0565	2.3809
35 mph	1.1692	0.2234	0.8352	0.6574	0.4491	0.1367	0.3773	0.0397	3.8880
40 mph	0.1440	0.0276	0.1028	0.2468	0.2641	0.0794	0.3521	0.0373	1.2542
45 mph	0.1144	0.0221	0.0820	0.1954	0.2109	0.0627	0.2548	0.0274	0.9698
50 mph	0.1187	0.0233	0.0854	0.2087	0.2282	0.0669	0.2272	0.0246	0.9830
55 mph	0.0838	0.0168	0.0609	0.1393	0.1496	0.0436	0.0757	0.0082	0.5778
60 mph	0.1330	0.0272	0.0977	0.1866	0.1859	0.0542	3.0320	0.3266	4.0432
65 mph	0.0212	0.0045	0.0157	0.0347	0.0363	0.0105	-	-	0.1230
70 mph	0.2937	0.0682	0.2161	0.7897	0.9683	0.2522	-	-	2.5883
total	3.3568	0.6609	2.4218	3.8042	3.9268	1.1561	6.0670	0.6409	22.0345

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0025	0.0000	0.0012	0.0033	0.4577	0.3026	9.4526	40.6997	50.9197
15 mph	0.0007	0.0000	0.0003	0.0009	0.1561	0.1039	2.2185	8.9282	11.4087
20 mph	0.0011	0.0000	0.0004	0.0013	0.3080	0.2019	3.5285	12.3624	16.4037
25 mph	0.0049	0.0002	0.0017	0.0055	1.5342	0.9989	15.1888	57.6988	75.4329
30 mph	0.0049	0.0002	0.0016	0.0054	1.7689	1.1389	10.3775	39.5013	52.7986
35 mph	0.0037	0.0001	0.0011	0.0042	1.5616	0.9890	3.4396	13.7027	19.7021
40 mph	0.0012	0.0001	0.0003	0.0013	0.5530	0.3469	2.8039	11.2655	14.9722
45 mph	0.0010	0.0000	0.0003	0.0011	0.4802	0.3002	1.7084	6.9568	9.4480
50 mph	0.0010	0.0000	0.0002	0.0010	0.5083	0.3169	2.3788	9.3220	12.5283
55 mph	0.0008	0.0000	0.0002	0.0008	0.4141	0.2593	0.5629	2.2187	3.4568
60 mph	0.0016	0.0001	0.0004	0.0016	0.8419	0.5267	0.6823	2.6469	4.7015
65 mph	0.0002	0.0000	0.0000	0.0002	0.1186	0.0735	-	-	0.1925
70 mph	-	-	-	-	-	-	-	-	-
total	0.0236	0.0008	0.0078	0.0266	8.7026	5.5586	52.3418	205.3031	271.9650

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0002	0.0000	0.0001	0.0006	0.0982	0.0649	-	-	0.1639
15 mph	0.0002	0.0000	0.0001	0.0004	0.0837	0.0557	-	-	0.1400
20 mph	0.0001	0.0000	0.0000	0.0003	0.0826	0.0541	6.3610	22.2864	28.7845
25 mph	0.0002	0.0000	0.0001	0.0005	0.1645	0.1071	8.7123	33.0962	42.0809
30 mph	0.0004	0.0000	0.0001	0.0009	0.3448	0.2220	11.2248	42.7267	54.5197
35 mph	0.0008	0.0000	0.0002	0.0018	0.8371	0.5302	8.2678	32.9369	42.5748
40 mph	0.0008	0.0000	0.0002	0.0019	0.9882	0.6199	5.5602	22.3397	29.5110
45 mph	0.0007	0.0000	0.0002	0.0015	0.8238	0.5150	3.0798	12.5414	16.9624
50 mph	0.0007	0.0000	0.0002	0.0016	0.9810	0.6115	1.3195	5.1709	8.0854
55 mph	0.0004	0.0000	0.0001	0.0009	0.5550	0.3475	0.6766	2.6665	4.2469
60 mph	0.0002	0.0000	0.0001	0.0005	0.3385	0.2118	57.3979	222.6782	280.6273
65 mph	0.0001	0.0000	0.0000	0.0002	0.1272	0.0788	-	-	0.2062
70 mph	0.0040	0.0002	0.0010	0.0103	10.7185	6.0643	-	-	16.7982
total	0.0088	0.0004	0.0024	0.0212	16.1429	9.4827	102.6000	396.4429	524.7012

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.3373	2.3228	7.4393	11.4938	24.5933
15 mph	0.0049	0.0001	0.0021	0.0013	0.2480	0.1652	3.7376	15.0421	19.2013
25 mph	-	-	-	-	0.4630	0.3014	10.1799	38.6713	49.6156
35 mph	0.0118	0.0005	0.0036	0.0027	-	-	-	-	0.0185
total	0.0167	0.0006	0.0057	0.0040	4.0483	2.7895	21.3568	65.2072	93.4287

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.3373	2.3228	7.4393	11.4938	24.5933
10 mph	0.0027	0.0000	0.0013	0.0038	0.5559	0.3675	9.4526	40.6997	51.0836
15 mph	0.0058	0.0001	0.0025	0.0027	0.4877	0.3248	5.9561	23.9703	30.7500
20 mph	0.0013	0.0000	0.0005	0.0016	0.3906	0.2560	9.8895	34.6488	45.1882
25 mph	0.0051	0.0002	0.0017	0.0059	2.1617	1.4075	34.0811	129.4663	167.1294
30 mph	0.0052	0.0002	0.0017	0.0063	2.1137	1.3609	21.6023	82.2280	107.3183
35 mph	0.0163	0.0006	0.0049	0.0086	2.3987	1.5191	11.7074	46.6396	62.2954
40 mph	0.0020	0.0001	0.0006	0.0032	1.5412	0.9668	8.3640	33.6052	44.4832
45 mph	0.0016	0.0001	0.0004	0.0025	1.3039	0.8153	4.7882	19.4983	26.4104
50 mph	0.0017	0.0001	0.0004	0.0027	1.4893	0.9284	3.6983	14.4929	20.6137
55 mph	0.0012	0.0001	0.0003	0.0017	0.9691	0.6067	1.2395	4.8852	7.7037
60 mph	0.0018	0.0001	0.0004	0.0022	1.1805	0.7385	58.0802	225.3251	285.3287
65 mph	0.0003	0.0000	0.0001	0.0004	0.2458	0.1522	-	-	0.3987
70 mph	0.0040	0.0002	0.0010	0.0103	10.7185	6.0643	-	-	16.7982
total	0.0490	0.0017	0.0158	0.0519	28.8939	17.8308	176.2986	666.9532	890.0949

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.6957	0.6957
15 mph								0.1727	0.1727
20 mph								0.2705	0.2705
25 mph								1.2800	1.2800
30 mph								1.0509	1.0509
35 mph								0.4358	0.4358
40 mph								0.4532	0.4532
45 mph								0.3439	0.3439
50 mph								0.5365	0.5365
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.2392	5.2392

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.4877	0.4877
25 mph								0.7342	0.7342
30 mph								1.1367	1.1367
35 mph								1.0475	1.0475
40 mph								0.8987	0.8987
45 mph								0.6199	0.6199
50 mph								0.2976	0.2976
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.4061	3.4061

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.7764	0.7764
15 mph								0.2910	0.2910
25 mph								0.8579	0.8579
35 mph								-	-
total	-	-	-	-	-	-	-	1.9252	1.9252

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.7764	0.7764
10 mph								0.6957	0.6957
15 mph								0.4637	0.4637
20 mph								0.7582	0.7582
25 mph								2.8721	2.8721
30 mph								2.1876	2.1876
35 mph								1.4833	1.4833
40 mph								1.3519	1.3519
45 mph								0.9638	0.9638
50 mph								0.8341	0.8341
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	12.3868	12.3868

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.4557	2.3588	7.5336	12.2811	25.6292
10 mph	0.1329	0.0262	0.0974	0.1739	0.6989	0.4139	9.5713	41.4071	52.5215
15 mph	0.3364	0.0651	0.2439	0.1485	0.6178	0.3668	6.0505	24.4432	32.2721
20 mph	0.0850	0.0163	0.0613	0.1112	0.4882	0.2870	10.0684	35.4246	46.5420
25 mph	0.3635	0.0689	0.2599	0.4482	2.6639	1.5649	34.7932	132.4097	172.5722
30 mph	0.3810	0.0719	0.2710	0.4842	2.5568	1.4979	22.1519	84.4721	111.8868
35 mph	1.1855	0.2240	0.8401	0.6660	2.8479	1.6558	12.0847	48.1626	67.6666
40 mph	0.1460	0.0277	0.1034	0.2500	1.8053	1.0463	8.7162	34.9945	47.0893
45 mph	0.1161	0.0222	0.0824	0.1979	1.5148	0.8780	5.0431	20.4895	28.3440
50 mph	0.1204	0.0234	0.0858	0.2114	1.7175	0.9953	3.9256	15.3515	22.4309
55 mph	0.0850	0.0168	0.0612	0.1410	1.1187	0.6503	1.3152	4.8934	8.2815
60 mph	0.1348	0.0273	0.0981	0.1888	1.3664	0.7926	61.1122	225.6517	289.3720
65 mph	0.0215	0.0045	0.0158	0.0351	0.2820	0.1627	-	-	0.5217
70 mph	0.2977	0.0684	0.2171	0.8000	11.6868	6.3164	-	-	19.3864
STREX	0.4720	0.0470	0.2432	0.8849	0.5419	0.1680	7.1581	14.7656	24.2806
total	3.8778	0.7096	2.6808	4.7410	33.3626	19.1548	189.5237	694.7465	**948.7968**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1470	0.1929	0.2020	0.2431	0.4346	0.4479	0.3345	0.2821
Diesel	-	-	-	-	-	-	2.1512	2.4491
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.4720	0.0470	0.2432	0.8849	0.5419	0.1680	0.1991	0.0012
Diesel	-	-	-	-	-	-	6.9590	14.7644
Electric/NG	-	-	-	-	-	-	-	-
Total	0.4720	0.0470	0.2432	0.8849	0.5419	0.1680	7.1581	14.7656

World Logistics Center
Mobile Emissions - 2027 (Net) - Unmitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					154.5102	154.7593	386.6908	278.0035
10 mph	0.8695	1.5037	1.1877	1.3040	0.9020	0.5929	1.2085	50.3680
15 mph	0.7928	1.3483	1.0772	1.1798	0.7373	0.5158	1.0957	45.2757
20 mph	0.7253	1.2220	0.9828	1.0749	0.6358	0.4587	1.0063	41.1704
25 mph	0.6640	1.1092	0.8966	0.9805	0.5524	0.4086	0.9072	37.5065
30 mph	0.6095	1.0130	0.8208	0.8984	0.4926	0.3682	0.8177	34.3315
35 mph	0.5612	0.9318	0.7543	0.8271	0.4526	0.3369	0.7448	31.6237
40 mph	0.5204	0.8645	0.6993	0.7673	0.4278	0.3148	0.6938	29.3911
45 mph	0.4854	0.8070	0.6523	0.7162	0.4130	0.2971	0.6414	27.3994
50 mph	0.4526	0.7585	0.6085	0.6701	0.4085	0.2828	0.6016	25.6809
55 mph	0.4213	0.7126	0.5680	0.6270	0.4202	0.2767	0.5734	24.2586
60 mph	0.3867	0.6615	0.5228	0.5796	0.4428	0.2749	0.5457	23.0039
65 mph	0.3575	0.6220	0.4850	0.5404	0.4974	0.2856		
70 mph	0.3451	0.6481	0.4680	0.5300	0.5013	0.2437		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	20.3384	34.6427
10 mph	2.2177	2.5310	1.8376	2.3860	2.2309	2.2643	0.4858	1.3160
15 mph	1.0918	1.6213	0.8997	1.1660	1.1455	1.1571	0.2639	0.7299
20 mph	0.4362	1.0729	0.3523	0.4587	0.5273	0.5258	0.1765	0.4510
25 mph	0.2672	0.8414	0.2126	0.2789	0.3522	0.3485	0.1350	0.3629
30 mph	0.2040	0.7185	0.1611	0.2127	0.2846	0.2799	0.1037	0.2792
35 mph	0.1642	0.6473	0.1285	0.1712	0.2466	0.2400	0.0784	0.2094
40 mph	0.1373	0.6163	0.1064	0.1424	0.2231	0.2152	0.0589	0.1583
45 mph	0.1186	0.6183	0.0906	0.1217	0.2097	0.2007	0.0453	0.1222
50 mph	0.1056	0.6535	0.0790	0.1070	0.2086	0.1979	0.0376	0.1015
55 mph	0.0963	0.7310	0.0703	0.0959	0.2132	0.2012	0.0359	0.0979
60 mph	0.0949	0.8601	0.0672	0.0926	0.2331	0.2185	0.0400	0.1084
65 mph	0.0992	1.0646	0.0685	0.0960	0.2937	0.2714		
70 mph	0.1037	1.2269	0.0705	0.1046	0.5361	0.4562		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								33.0735
10 mph								34.9008
15 mph								24.5725
20 mph								17.7716
25 mph								13.0270
30 mph								9.6046
35 mph								7.0826
40 mph								5.2243
45 mph								3.8551
50 mph								2.8465
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	2.5919	0.3401	1.3273	1.9491	0.6114	0.1209	0.4115	0.1198	7.4720
15 mph	0.9453	0.1220	0.4815	0.7054	0.1999	0.0421	0.1244	0.0359	2.6565
20 mph	1.7297	0.2211	0.8787	1.2853	0.3447	0.0748	0.2284	0.0653	4.8281
25 mph	7.9174	1.0036	4.0082	5.8620	1.4975	0.3332	1.1327	0.3272	22.0818
30 mph	7.9941	1.0082	4.0365	5.9081	1.4691	0.3302	0.9281	0.2723	21.9465
35 mph	6.0229	0.7588	3.0349	4.4507	1.1043	0.2473	0.3804	0.1129	16.1122
40 mph	1.8616	0.2347	0.9378	1.3763	0.3480	0.0770	0.3937	0.1166	5.3456
45 mph	1.4468	0.1825	0.7290	1.0705	0.2799	0.0606	0.2912	0.0869	4.1474
50 mph	1.3492	0.1716	0.6801	1.0016	0.2768	0.0576	0.4438	0.1324	4.1132
55 mph	1.0046	0.1290	0.5078	0.7497	0.2278	0.0451	0.0976	0.0289	2.7905
60 mph	1.8445	0.2394	0.9348	1.3861	0.4802	0.0897	0.0929	0.0274	5.0949
65 mph	0.2131	0.0281	0.1084	0.1615	0.0674	0.0116	-	-	0.5903
70 mph	-	-	-	-	-	-	-	-	-
total	34.9211	4.4391	17.6650	25.9063	6.9071	1.4901	4.5249	1.3256	97.1790

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.2144	0.0281	0.1098	0.3367	0.1311	0.0259	-	-	0.8459
15 mph	0.1955	0.0252	0.0996	0.3046	0.1072	0.0225	-	-	0.7546
20 mph	0.1788	0.0229	0.0908	0.2775	0.0924	0.0201	0.4118	0.1177	1.2120
25 mph	0.3274	0.0415	0.1658	0.5063	0.1606	0.0357	0.6497	0.1877	2.0746
30 mph	0.6010	0.0758	0.3035	0.9277	0.2864	0.0644	1.0039	0.2945	3.5573
35 mph	1.2453	0.1569	0.6275	1.9219	0.5920	0.1326	0.9144	0.2713	5.8619
40 mph	1.2830	0.1617	0.6464	1.9811	0.6218	0.1376	0.7808	0.2311	5.8435
45 mph	0.9573	0.1208	0.4823	1.4792	0.4802	0.1039	0.5250	0.1567	4.3054
50 mph	1.0043	0.1277	0.5062	1.5570	0.5343	0.1113	0.2462	0.0734	4.1604
55 mph	0.5193	0.0667	0.2625	0.8094	0.3053	0.0605	0.1173	0.0347	2.1756
60 mph	0.2860	0.0371	0.1450	0.4489	0.1931	0.0361	7.8160	2.3024	11.2645
65 mph	0.0881	0.0116	0.0448	0.1395	0.0723	0.0125	-	-	0.3689
70 mph	3.9139	0.5577	1.9901	6.2937	3.3517	0.4901	-	-	16.5972
total	10.8143	1.4338	5.4742	16.9836	6.9283	1.2530	12.4650	3.6696	59.0218

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	13.2571	3.9936	15.1696	0.1098	32.5301
15 mph	6.2386	0.8050	3.1778	1.0266	0.3176	0.0668	0.2095	0.0605	11.9026
25 mph	-	-	-	-	0.4519	0.1006	0.7592	0.2193	1.5310
35 mph	19.0018	2.3939	9.5750	2.8457	-	-	-	-	33.8165
total	25.2404	3.1990	12.7528	3.8724	14.0267	4.1610	16.1382	0.3896	79.7801

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	13.2571	3.9936	15.1696	0.1098	32.5301
10 mph	2.8062	0.3683	1.4371	2.2857	0.7425	0.1468	0.4115	0.1198	8.3179
15 mph	7.3794	0.9523	3.7590	2.0366	0.6247	0.1314	0.3339	0.0964	15.3136
20 mph	1.9085	0.2440	0.9695	1.5628	0.4372	0.0949	0.6403	0.1830	6.0401
25 mph	8.2448	1.0451	4.1740	6.3683	2.1100	0.4695	2.5416	0.7342	25.6874
30 mph	8.5951	1.0840	4.3399	6.8359	1.7554	0.3946	1.9320	0.5668	25.5038
35 mph	26.2700	3.3096	13.2375	9.2183	1.6964	0.3798	1.2948	0.3842	55.7905
40 mph	3.1446	0.3964	1.5842	3.3574	0.9697	0.2146	1.1745	0.3477	11.1891
45 mph	2.4041	0.3033	1.2113	2.5497	0.7601	0.1644	0.8162	0.2436	8.4528
50 mph	2.3535	0.2993	1.1864	2.5586	0.8111	0.1689	0.6900	0.2058	8.2736
55 mph	1.5239	0.1956	0.7703	1.5591	0.5332	0.1056	0.2150	0.0635	4.9662
60 mph	2.1306	0.2765	1.0797	1.8350	0.6733	0.1257	7.9089	2.3298	16.3594
65 mph	0.3013	0.0398	0.1532	0.3010	0.1397	0.0241	-	-	0.9592
70 mph	3.9139	0.5577	1.9901	6.2937	3.3517	0.4901	-	-	16.5972
total	70.9758	9.0718	35.8921	46.7622	27.8621	6.9040	33.1281	5.3848	235.9809

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0699	0.0001	0.0171	0.1002	1.2960	0.9087	0.8991	4.5388	7.8300
15 mph	0.0138	0.0000	0.0034	0.0196	0.2662	0.1857	0.1628	0.8391	1.4906
20 mph	0.0110	0.0001	0.0026	0.0154	0.2450	0.1688	0.2178	1.0371	1.6979
25 mph	0.0337	0.0002	0.0079	0.0468	0.8183	0.5595	0.9163	4.5898	6.9725
30 mph	0.0283	0.0002	0.0066	0.0393	0.7276	0.4942	0.6400	3.2100	5.1461
35 mph	0.0186	0.0001	0.0043	0.0259	0.5157	0.3467	0.2175	1.0834	2.2123
40 mph	0.0052	0.0000	0.0012	0.0072	0.1555	0.1036	0.1816	0.9097	1.3640
45 mph	0.0037	0.0000	0.0008	0.0051	0.1218	0.0805	0.1117	0.5620	0.8858
50 mph	0.0033	0.0000	0.0007	0.0045	0.1212	0.0794	0.1509	0.7584	1.1185
55 mph	0.0024	0.0000	0.0005	0.0032	0.0991	0.0646	0.0332	0.1689	0.3720
60 mph	0.0048	0.0001	0.0010	0.0062	0.2167	0.1403	0.0370	0.1869	0.5929
65 mph	0.0006	0.0000	0.0001	0.0008	0.0341	0.0218	-	-	0.0575
70 mph	-	-	-	-	-	-	-	-	-
total	0.1955	0.0010	0.0463	0.2743	4.6171	3.1538	3.5679	17.8841	29.7400

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0058	0.0000	0.0014	0.0173	0.2779	0.1949	-	-	0.4973
15 mph	0.0028	0.0000	0.0007	0.0085	0.1427	0.0996	-	-	0.2543
20 mph	0.0011	0.0000	0.0003	0.0033	0.0657	0.0452	0.3927	1.8696	2.3780
25 mph	0.0014	0.0000	0.0003	0.0040	0.0877	0.0600	0.5256	2.6327	3.3118
30 mph	0.0021	0.0000	0.0005	0.0062	0.1418	0.0963	0.6922	3.4721	4.4113
35 mph	0.0039	0.0000	0.0009	0.0112	0.2764	0.1859	0.5229	2.6042	3.6053
40 mph	0.0036	0.0000	0.0008	0.0103	0.2779	0.1851	0.3601	1.8040	2.6419
45 mph	0.0025	0.0000	0.0006	0.0071	0.2090	0.1382	0.2013	1.0131	1.5717
50 mph	0.0025	0.0000	0.0005	0.0070	0.2339	0.1533	0.0837	0.4207	0.9016
55 mph	0.0013	0.0000	0.0003	0.0035	0.1328	0.0866	0.0399	0.2030	0.4672
60 mph	0.0007	0.0000	0.0002	0.0020	0.0871	0.0564	3.1120	15.7228	18.9813
65 mph	0.0003	0.0000	0.0001	0.0007	0.0366	0.0234	-	-	0.0609
70 mph	0.0124	0.0003	0.0025	0.0349	3.0717	1.8060	-	-	4.9278
total	0.0404	0.0005	0.0090	0.1160	5.0412	3.1308	5.9304	29.7423	44.0104

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.9341	1.3361	4.3366	13.7651	21.3719
15 mph	0.0909	0.0003	0.0221	0.0285	0.4229	0.2951	0.2743	1.4137	2.5479
25 mph	-	-	-	-	0.2469	0.1688	0.6141	3.0762	4.1061
35 mph	0.0588	0.0004	0.0136	0.0166	-	-	-	-	0.0894
total	0.1497	0.0007	0.0357	0.0451	2.6039	1.8001	5.2251	18.2550	28.1153

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.9341	1.3361	4.3366	13.7651	21.3719
10 mph	0.0757	0.0002	0.0185	0.1175	1.5739	1.1035	0.8991	4.5388	8.3272
15 mph	0.1075	0.0003	0.0262	0.0566	0.8318	0.5805	0.4372	2.2529	4.2928
20 mph	0.0121	0.0001	0.0029	0.0187	0.3107	0.2140	0.6105	2.9068	4.0758
25 mph	0.0351	0.0002	0.0082	0.0509	1.1530	0.7883	2.0560	10.2987	14.3905
30 mph	0.0304	0.0002	0.0071	0.0455	0.8694	0.5905	1.3322	6.6821	9.5574
35 mph	0.0813	0.0006	0.0188	0.0536	0.7921	0.5326	0.7404	3.6877	5.9070
40 mph	0.0088	0.0001	0.0020	0.0175	0.4334	0.2888	0.5417	2.7137	4.0059
45 mph	0.0062	0.0001	0.0014	0.0122	0.3308	0.2187	0.3130	1.5751	2.4575
50 mph	0.0058	0.0001	0.0013	0.0115	0.3551	0.2327	0.2345	1.1790	2.0200
55 mph	0.0037	0.0001	0.0008	0.0067	0.2319	0.1512	0.0731	0.3719	0.8392
60 mph	0.0055	0.0001	0.0012	0.0082	0.3038	0.1967	3.1490	15.9097	19.5742
65 mph	0.0009	0.0000	0.0002	0.0015	0.0707	0.0451	-	-	0.1184
70 mph	0.0124	0.0003	0.0025	0.0349	3.0717	1.8060	-	-	4.9278
total	0.3856	0.0022	0.0910	0.4353	12.2623	8.0847	14.7233	65.8814	101.8657

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								7.0688	7.0688
15 mph								1.6590	1.6590
20 mph								2.3996	2.3996
25 mph								9.6744	9.6744
30 mph								6.4844	6.4844
35 mph								2.1518	2.1518
40 mph								1.7635	1.7635
45 mph								1.0411	1.0411
50 mph								1.2491	1.2491
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	33.4918	33.4918

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								4.3259	4.3259
25 mph								5.5493	5.5493
30 mph								7.0139	7.0139
35 mph								5.1721	5.1721
40 mph								3.4971	3.4971
45 mph								1.8768	1.8768
50 mph								0.6929	0.6929
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	22.0612	22.0612

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.7717	0.7717
15 mph								2.7950	2.7950
25 mph								6.4841	6.4841
35 mph								-	-
total	-	-	-	-	-	-	-	10.0508	10.0508

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.7717	0.7717
10 mph								7.0688	7.0688
15 mph								4.4539	4.4539
20 mph								6.7256	6.7256
25 mph								21.7078	21.7078
30 mph								13.4983	13.4983
35 mph								7.3239	7.3239
40 mph								5.2607	5.2607
45 mph								2.9179	2.9179
50 mph								1.9420	1.9420
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	71.6706	71.6706

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	15.1912	5.3297	19.5062	14.6466	54.6737
10 mph	2.8819	0.3684	1.4556	2.4032	2.3163	1.2503	1.3107	11.7274	23.7140
15 mph	7.4869	0.9526	3.7851	2.0932	1.4565	0.7119	0.7711	6.8032	24.0604
20 mph	1.9206	0.2440	0.9724	1.5816	0.7479	0.3089	1.2507	9.8154	16.8415
25 mph	8.2799	1.0453	4.1822	6.4192	3.2630	1.2578	4.5976	32.7408	61.7857
30 mph	8.6256	1.0842	4.3470	6.8813	2.6248	0.9851	3.2642	20.7472	48.5595
35 mph	26.3513	3.3102	13.2562	9.2719	2.4885	0.9124	2.0351	11.3958	69.0215
40 mph	3.1533	0.3964	1.5862	3.3749	1.4032	0.5034	1.7162	8.3221	20.4557
45 mph	2.4104	0.3034	1.2127	2.5619	1.0909	0.3831	1.1292	4.7366	13.8281
50 mph	2.3593	0.2993	1.1876	2.5701	1.1662	0.4017	0.9246	3.3269	12.2356
55 mph	1.5276	0.1957	0.7711	1.5658	0.7650	0.2568	0.2880	0.4354	5.8054
60 mph	2.1361	0.2766	1.0809	1.8432	0.9771	0.3224	11.0579	18.2394	35.9336
65 mph	0.3022	0.0398	0.1534	0.3025	0.2104	0.0693	-	-	1.0776
70 mph	3.9263	0.5580	1.9926	6.3286	6.4234	2.2961	-	-	21.5250
STREX	5.9490	0.4771	2.8139	9.4082	1.9463	0.5689	2.1579	0.0217	23.3430
total	77.3104	9.5511	38.7970	56.6057	42.0707	15.5576	50.0093	142.9585	**432.8602**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.8527	1.9581	2.3374	2.5850	1.5609	1.5170	3.6256	5.2202
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5.9490	0.4771	2.8139	9.4082	1.9463	0.5689	2.1579	0.0217
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	5.9490	0.4771	2.8139	9.4082	1.9463	0.5689	2.1579	0.0217

World Logistics Center
Mobile Emissions - 2027 (Net) - Unmitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0540	0.0540	0.1366	0.2144
10 mph	0.0045	0.0052	0.0054	0.0067	0.0142	0.0164	0.0294	0.0349
15 mph	0.0037	0.0043	0.0044	0.0055	0.0116	0.0134	0.0241	0.0286
20 mph	0.0031	0.0036	0.0037	0.0046	0.0097	0.0111	0.0200	0.0239
25 mph	0.0026	0.0031	0.0032	0.0039	0.0083	0.0095	0.0171	0.0204
30 mph	0.0023	0.0027	0.0028	0.0035	0.0073	0.0084	0.0152	0.0181
35 mph	0.0021	0.0025	0.0026	0.0032	0.0068	0.0078	0.0141	0.0168
40 mph	0.0021	0.0024	0.0025	0.0031	0.0066	0.0076	0.0136	0.0162
45 mph	0.0021	0.0024	0.0025	0.0031	0.0066	0.0076	0.0137	0.0162
50 mph	0.0022	0.0025	0.0026	0.0032	0.0068	0.0078	0.0141	0.0167
55 mph	0.0022	0.0026	0.0027	0.0034	0.0071	0.0081	0.0146	0.0173
60 mph	0.0023	0.0027	0.0028	0.0035	0.0074	0.0085	0.0152	0.0180
65 mph	0.0024	0.0028	0.0029	0.0036	0.0076	0.0087		
70 mph	0.0024	0.0028	0.0029	0.0037	0.0077	0.0088		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0339	0.0546	0.0565	0.0515
10 mph	0.0036	0.0078	0.0048	0.0060	0.0088	0.0098	0.0171	0.0279
15 mph	0.0029	0.0065	0.0040	0.0051	0.0057	0.0065	0.0135	0.0205
20 mph	0.0024	0.0053	0.0033	0.0042	0.0049	0.0056	0.0115	0.0170
25 mph	0.0020	0.0045	0.0028	0.0036	0.0043	0.0049	0.0101	0.0145
30 mph	0.0018	0.0038	0.0024	0.0031	0.0039	0.0045	0.0088	0.0127
35 mph	0.0016	0.0034	0.0022	0.0028	0.0039	0.0045	0.0079	0.0116
40 mph	0.0015	0.0032	0.0020	0.0026	0.0038	0.0043	0.0072	0.0106
45 mph	0.0014	0.0031	0.0019	0.0025	0.0037	0.0042	0.0068	0.0100
50 mph	0.0014	0.0031	0.0019	0.0026	0.0039	0.0043	0.0068	0.0097
55 mph	0.0015	0.0032	0.0020	0.0027	0.0041	0.0045	0.0070	0.0100
60 mph	0.0016	0.0035	0.0022	0.0029	0.0041	0.0045	0.0074	0.0106
65 mph	0.0018	0.0039	0.0025	0.0033	0.0042	0.0045		
70 mph	0.0020	0.0041	0.0026	0.0036	0.0043	0.0046		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0134	0.0012	0.0061	0.0100	0.0096	0.0033	0.0100	0.0001	0.0538
15 mph	0.0044	0.0004	0.0020	0.0033	0.0031	0.0011	0.0027	0.0000	0.0170
20 mph	0.0073	0.0006	0.0033	0.0055	0.0052	0.0018	0.0045	0.0000	0.0283
25 mph	0.0311	0.0028	0.0141	0.0233	0.0224	0.0077	0.0213	0.0002	0.1230
30 mph	0.0304	0.0027	0.0138	0.0228	0.0219	0.0076	0.0172	0.0001	0.1165
35 mph	0.0230	0.0020	0.0105	0.0174	0.0166	0.0057	0.0072	0.0001	0.0825
40 mph	0.0074	0.0007	0.0034	0.0056	0.0054	0.0019	0.0077	0.0001	0.0321
45 mph	0.0062	0.0006	0.0028	0.0047	0.0045	0.0015	0.0062	0.0001	0.0266
50 mph	0.0064	0.0006	0.0029	0.0048	0.0046	0.0016	0.0104	0.0001	0.0314
55 mph	0.0053	0.0005	0.0024	0.0040	0.0038	0.0013	0.0025	0.0000	0.0199
60 mph	0.0110	0.0010	0.0050	0.0083	0.0080	0.0028	0.0026	0.0000	0.0387
65 mph	0.0014	0.0001	0.0006	0.0011	0.0010	0.0004	-	-	0.0046
70 mph	-	-	-	-	-	-	-	-	-
total	0.1474	0.0131	0.0670	0.1108	0.1061	0.0367	0.0925	0.0008	0.5744

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0011	0.0001	0.0005	0.0017	0.0021	0.0007	-	-	0.0062
15 mph	0.0009	0.0001	0.0004	0.0014	0.0017	0.0006	-	-	0.0051
20 mph	0.0008	0.0001	0.0003	0.0012	0.0014	0.0005	0.0082	0.0001	0.0125
25 mph	0.0013	0.0001	0.0006	0.0020	0.0024	0.0008	0.0122	0.0001	0.0196
30 mph	0.0023	0.0002	0.0010	0.0036	0.0043	0.0015	0.0186	0.0002	0.0316
35 mph	0.0048	0.0004	0.0022	0.0075	0.0089	0.0031	0.0173	0.0001	0.0443
40 mph	0.0051	0.0005	0.0023	0.0081	0.0096	0.0033	0.0153	0.0001	0.0443
45 mph	0.0041	0.0004	0.0019	0.0065	0.0077	0.0027	0.0112	0.0001	0.0345
50 mph	0.0048	0.0004	0.0022	0.0075	0.0089	0.0031	0.0058	0.0000	0.0327
55 mph	0.0028	0.0002	0.0013	0.0043	0.0051	0.0018	0.0030	0.0000	0.0185
60 mph	0.0017	0.0002	0.0008	0.0027	0.0032	0.0011	0.2181	0.0018	0.2295
65 mph	0.0006	0.0001	0.0003	0.0009	0.0011	0.0004	-	-	0.0033
70 mph	0.0271	0.0024	0.0123	0.0436	0.0515	0.0177	-	-	0.1547
total	0.0573	0.0051	0.0261	0.0910	0.1078	0.0372	0.3097	0.0026	0.6368

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0046	0.0014	0.0054	0.0001	0.0115
15 mph	0.0289	0.0026	0.0131	0.0048	0.0050	0.0017	0.0046	0.0000	0.0607
25 mph	-	-	-	-	0.0068	0.0023	0.0143	0.0001	0.0235
35 mph	0.0727	0.0065	0.0331	0.0111	-	-	-	-	0.1233
total	0.1016	0.0090	0.0462	0.0159	0.0164	0.0055	0.0243	0.0002	0.2190

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0046	0.0014	0.0054	0.0001	0.0115
10 mph	0.0145	0.0013	0.0066	0.0118	0.0117	0.0041	0.0100	0.0001	0.0600
15 mph	0.0341	0.0030	0.0155	0.0095	0.0098	0.0034	0.0073	0.0001	0.0828
20 mph	0.0080	0.0007	0.0036	0.0066	0.0066	0.0023	0.0127	0.0001	0.0408
25 mph	0.0324	0.0029	0.0147	0.0253	0.0315	0.0109	0.0479	0.0004	0.1661
30 mph	0.0327	0.0029	0.0148	0.0264	0.0261	0.0090	0.0359	0.0003	0.1481
35 mph	0.1005	0.0089	0.0457	0.0359	0.0255	0.0088	0.0245	0.0002	0.2501
40 mph	0.0126	0.0011	0.0057	0.0137	0.0149	0.0052	0.0231	0.0002	0.0764
45 mph	0.0104	0.0009	0.0047	0.0112	0.0122	0.0042	0.0174	0.0001	0.0611
50 mph	0.0112	0.0010	0.0051	0.0124	0.0135	0.0047	0.0162	0.0001	0.0641
55 mph	0.0081	0.0007	0.0037	0.0084	0.0090	0.0031	0.0055	0.0000	0.0385
60 mph	0.0127	0.0011	0.0058	0.0110	0.0112	0.0039	0.2207	0.0018	0.2682
65 mph	0.0020	0.0002	0.0009	0.0020	0.0021	0.0007	-	-	0.0079
70 mph	0.0271	0.0024	0.0123	0.0436	0.0515	0.0177	-	-	0.1547
total	0.3063	0.0272	0.1393	0.2177	0.2303	0.0794	0.4265	0.0036	1.4301

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0003	0.0051	0.0039	0.0317	0.0962	0.1373
15 mph	0.0000	0.0000	0.0000	0.0001	0.0013	0.0010	0.0083	0.0236	0.0344
20 mph	0.0001	0.0000	0.0000	0.0001	0.0023	0.0018	0.0142	0.0392	0.0577
25 mph	0.0003	0.0000	0.0001	0.0006	0.0100	0.0079	0.0682	0.1836	0.2708
30 mph	0.0002	0.0000	0.0001	0.0006	0.0100	0.0079	0.0545	0.1463	0.2196
35 mph	0.0002	0.0000	0.0001	0.0004	0.0082	0.0065	0.0219	0.0600	0.0973
40 mph	0.0001	0.0000	0.0000	0.0001	0.0027	0.0021	0.0223	0.0608	0.0881
45 mph	0.0000	0.0000	0.0000	0.0001	0.0022	0.0017	0.0169	0.0460	0.0669
50 mph	0.0000	0.0000	0.0000	0.0001	0.0023	0.0017	0.0271	0.0725	0.1037
55 mph	0.0000	0.0000	0.0000	0.0001	0.0019	0.0014	0.0064	0.0173	0.0272
60 mph	0.0001	0.0000	0.0000	0.0002	0.0038	0.0029	0.0069	0.0183	0.0322
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0004	-	-	0.0009
70 mph	-	-	-	-	-	-	-	-	-
total	0.0012	0.0000	0.0005	0.0027	0.0503	0.0392	0.2784	0.7637	1.1360

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0008	-	-	0.0020
15 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0006	-	-	0.0013
20 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0005	0.0256	0.0706	0.0974
25 mph	0.0000	0.0000	0.0000	0.0001	0.0011	0.0009	0.0391	0.1053	0.1464
30 mph	0.0000	0.0000	0.0000	0.0001	0.0020	0.0015	0.0589	0.1582	0.2207
35 mph	0.0000	0.0000	0.0000	0.0002	0.0044	0.0035	0.0526	0.1442	0.2050
40 mph	0.0000	0.0000	0.0000	0.0002	0.0048	0.0037	0.0442	0.1206	0.1735
45 mph	0.0000	0.0000	0.0000	0.0001	0.0037	0.0029	0.0305	0.0829	0.1201
50 mph	0.0000	0.0000	0.0000	0.0002	0.0044	0.0033	0.0150	0.0402	0.0632
55 mph	0.0000	0.0000	0.0000	0.0001	0.0025	0.0019	0.0077	0.0208	0.0331
60 mph	0.0000	0.0000	0.0000	0.0001	0.0015	0.0012	0.5780	1.5427	2.1234
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0004	-	-	0.0009
70 mph	0.0002	0.0000	0.0001	0.0012	0.0246	0.0182	-	-	0.0444
total	0.0005	0.0000	0.0002	0.0023	0.0520	0.0393	0.8517	2.2856	3.2316

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0025	0.0028	0.0120	0.0205	0.0378
15 mph	0.0002	0.0000	0.0001	0.0001	0.0021	0.0017	0.0140	0.0397	0.0580
25 mph	-	-	-	-	0.0030	0.0024	0.0457	0.1231	0.1742
35 mph	0.0006	0.0000	0.0002	0.0003	-	-	-	-	0.0011
total	0.0008	0.0000	0.0003	0.0004	0.0076	0.0068	0.0718	0.1833	0.2710

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0025	0.0028	0.0120	0.0205	0.0378
10 mph	0.0001	0.0000	0.0000	0.0003	0.0062	0.0048	0.0317	0.0962	0.1393
15 mph	0.0003	0.0000	0.0001	0.0002	0.0041	0.0033	0.0223	0.0633	0.0937
20 mph	0.0001	0.0000	0.0000	0.0002	0.0029	0.0023	0.0398	0.1098	0.1551
25 mph	0.0003	0.0000	0.0001	0.0007	0.0141	0.0112	0.1531	0.4120	0.5914
30 mph	0.0003	0.0000	0.0001	0.0007	0.0120	0.0094	0.1134	0.3045	0.4403
35 mph	0.0008	0.0000	0.0003	0.0009	0.0126	0.0099	0.0745	0.2043	0.3033
40 mph	0.0001	0.0000	0.0000	0.0003	0.0074	0.0058	0.0665	0.1814	0.2616
45 mph	0.0001	0.0000	0.0000	0.0003	0.0059	0.0045	0.0474	0.1289	0.1870
50 mph	0.0001	0.0000	0.0000	0.0003	0.0067	0.0051	0.0421	0.1127	0.1669
55 mph	0.0001	0.0000	0.0000	0.0002	0.0045	0.0033	0.0142	0.0381	0.0603
60 mph	0.0001	0.0000	0.0000	0.0003	0.0054	0.0040	0.5849	1.5610	2.1556
65 mph	0.0000	0.0000	0.0000	0.0001	0.0010	0.0007	-	-	0.0018
70 mph	0.0002	0.0000	0.0001	0.0012	0.0246	0.0182	-	-	0.0444
total	0.0025	0.0000	0.0010	0.0055	0.1099	0.0854	1.2019	3.2326	4.6387

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
15 mph									-	-
25 mph									-	-
35 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0071	0.0042	0.0174	0.0205	0.0492
10 mph	0.0146	0.0013	0.0066	0.0121	0.0179	0.0088	0.0417	0.0962	0.1993
15 mph	0.0344	0.0030	0.0156	0.0097	0.0140	0.0067	0.0297	0.0634	0.1765
20 mph	0.0081	0.0007	0.0037	0.0068	0.0095	0.0046	0.0525	0.1099	0.1958
25 mph	0.0327	0.0029	0.0148	0.0260	0.0457	0.0221	0.2010	0.4124	0.7575
30 mph	0.0329	0.0029	0.0150	0.0271	0.0381	0.0185	0.1492	0.3048	0.5884
35 mph	0.1013	0.0089	0.0460	0.0368	0.0381	0.0187	0.0990	0.2045	0.5534
40 mph	0.0127	0.0011	0.0058	0.0140	0.0224	0.0110	0.0896	0.1816	0.3381
45 mph	0.0104	0.0009	0.0047	0.0114	0.0180	0.0087	0.0648	0.1290	0.2481
50 mph	0.0113	0.0010	0.0051	0.0126	0.0202	0.0097	0.0583	0.1128	0.2310
55 mph	0.0082	0.0007	0.0037	0.0086	0.0134	0.0065	0.0197	0.0381	0.0988
60 mph	0.0128	0.0011	0.0058	0.0113	0.0166	0.0079	0.8055	1.5628	2.4238
65 mph	0.0020	0.0002	0.0009	0.0020	0.0031	0.0015	-	-	0.0098
70 mph	0.0274	0.0024	0.0124	0.0448	0.0762	0.0360	-	-	0.1991
STREX	0.0015	0.0001	0.0007	0.0027	0.0002	0.0001	0.0002	0.0000	0.0056
total	0.3103	0.0273	0.1409	0.2258	0.3404	0.1648	1.6286	3.2362	**6.0744**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0005	0.0006	0.0006	0.0007	0.0002	0.0002	0.0004	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0015	0.0001	0.0007	0.0027	0.0002	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0015	0.0001	0.0007	0.0027	0.0002	0.0001	0.0002	0.0000

World Logistics Center
Mobile Emissions - 2027 (Net) - Unmitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0386	0.0360	0.0345	0.0381
10 mph	0.0050	0.0065	0.0053	0.0054	0.0049	0.0045	0.0044	0.0049
15 mph	0.0033	0.0044	0.0035	0.0036	0.0033	0.0030	0.0029	0.0032
20 mph	0.0023	0.0031	0.0025	0.0025	0.0023	0.0021	0.0021	0.0023
25 mph	0.0017	0.0023	0.0018	0.0019	0.0017	0.0016	0.0015	0.0017
30 mph	0.0013	0.0018	0.0014	0.0015	0.0013	0.0012	0.0012	0.0013
35 mph	0.0011	0.0015	0.0012	0.0012	0.0011	0.0010	0.0010	0.0011
40 mph	0.0010	0.0013	0.0010	0.0010	0.0010	0.0009	0.0008	0.0010
45 mph	0.0009	0.0012	0.0009	0.0009	0.0009	0.0008	0.0008	0.0009
50 mph	0.0009	0.0011	0.0009	0.0009	0.0008	0.0008	0.0007	0.0009
55 mph	0.0009	0.0011	0.0009	0.0009	0.0009	0.0008	0.0008	0.0009
60 mph	0.0009	0.0012	0.0010	0.0010	0.0009	0.0008	0.0008	0.0009
65 mph	0.0011	0.0014	0.0011	0.0010	0.0011	0.0010		
70 mph	0.0012	0.0015	0.0012	0.0012	0.0011	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7943	0.8068	0.0229	0.0134
10 mph	0.0100	0.2488	0.0094	0.0071	0.0265	0.0333	0.0049	0.0128
15 mph	0.0081	0.1806	0.0080	0.0058	0.0201	0.0264	0.0038	0.0095
20 mph	0.0065	0.1382	0.0068	0.0048	0.0166	0.0219	0.0031	0.0066
25 mph	0.0053	0.1107	0.0057	0.0041	0.0138	0.0183	0.0029	0.0071
30 mph	0.0045	0.0929	0.0051	0.0036	0.0121	0.0161	0.0031	0.0076
35 mph	0.0039	0.0818	0.0045	0.0032	0.0110	0.0145	0.0037	0.0090
40 mph	0.0035	0.0749	0.0042	0.0029	0.0103	0.0134	0.0047	0.0113
45 mph	0.0033	0.0714	0.0039	0.0027	0.0097	0.0126	0.0060	0.0145
50 mph	0.0032	0.0716	0.0037	0.0026	0.0094	0.0121	0.0077	0.0185
55 mph	0.0032	0.0751	0.0035	0.0025	0.0092	0.0117	0.0098	0.0241
60 mph	0.0033	0.0819	0.0034	0.0026	0.0094	0.0118	0.0123	0.0297
65 mph	0.0035	0.0944	0.0035	0.0027	0.0105	0.0128		
70 mph	0.0035	0.1122	0.0036	0.0030	0.0161	0.0168		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0427
10 mph								0.0071
15 mph								0.0058
20 mph								0.0050
25 mph								0.0045
30 mph								0.0042
35 mph								0.0040
40 mph								0.0038
45 mph								0.0038
50 mph								0.0039
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0150	0.0015	0.0059	0.0081	0.0033	0.0009	0.0015	0.0000	0.0362
15 mph	0.0040	0.0004	0.0016	0.0022	0.0009	0.0002	0.0003	0.0000	0.0096
20 mph	0.0056	0.0006	0.0022	0.0030	0.0013	0.0003	0.0005	0.0000	0.0135
25 mph	0.0206	0.0021	0.0082	0.0112	0.0046	0.0013	0.0019	0.0000	0.0499
30 mph	0.0177	0.0018	0.0070	0.0096	0.0040	0.0011	0.0013	0.0000	0.0425
35 mph	0.0119	0.0012	0.0047	0.0064	0.0027	0.0007	0.0005	0.0000	0.0281
40 mph	0.0034	0.0003	0.0014	0.0019	0.0008	0.0002	0.0005	0.0000	0.0085
45 mph	0.0026	0.0003	0.0010	0.0014	0.0006	0.0002	0.0003	0.0000	0.0064
50 mph	0.0025	0.0003	0.0010	0.0014	0.0006	0.0002	0.0005	0.0000	0.0064
55 mph	0.0021	0.0002	0.0008	0.0011	0.0005	0.0001	0.0001	0.0000	0.0049
60 mph	0.0044	0.0004	0.0017	0.0024	0.0010	0.0003	0.0001	0.0000	0.0104
65 mph	0.0006	0.0001	0.0002	0.0003	0.0001	0.0000	-	-	0.0014
70 mph	-	-	-	-	-	-	-	-	-
total	0.0905	0.0091	0.0359	0.0488	0.0203	0.0056	0.0077	0.0001	0.2179

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0012	0.0001	0.0005	0.0014	0.0007	0.0002	-	-	0.0042
15 mph	0.0008	0.0001	0.0003	0.0009	0.0005	0.0001	-	-	0.0028
20 mph	0.0006	0.0001	0.0002	0.0007	0.0003	0.0001	0.0008	0.0000	0.0028
25 mph	0.0009	0.0001	0.0003	0.0010	0.0005	0.0001	0.0011	0.0000	0.0040
30 mph	0.0013	0.0001	0.0005	0.0015	0.0008	0.0002	0.0014	0.0000	0.0059
35 mph	0.0025	0.0002	0.0010	0.0028	0.0014	0.0004	0.0012	0.0000	0.0095
40 mph	0.0024	0.0002	0.0009	0.0027	0.0014	0.0004	0.0009	0.0000	0.0089
45 mph	0.0017	0.0002	0.0007	0.0020	0.0010	0.0003	0.0006	0.0000	0.0065
50 mph	0.0019	0.0002	0.0007	0.0021	0.0011	0.0003	0.0003	0.0000	0.0067
55 mph	0.0011	0.0001	0.0004	0.0012	0.0006	0.0002	0.0002	0.0000	0.0037
60 mph	0.0007	0.0001	0.0003	0.0008	0.0004	0.0001	0.0117	0.0001	0.0141
65 mph	0.0003	0.0000	0.0001	0.0003	0.0002	0.0000	-	-	0.0008
70 mph	0.0130	0.0013	0.0051	0.0143	0.0076	0.0021	-	-	0.0433
total	0.0283	0.0028	0.0111	0.0315	0.0165	0.0045	0.0183	0.0001	0.1132

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0033	0.0009	0.0014	0.0000	0.0056
15 mph	0.0263	0.0026	0.0104	0.0031	0.0014	0.0004	0.0006	0.0000	0.0448
25 mph	-	-	-	-	0.0014	0.0004	0.0013	0.0000	0.0031
35 mph	0.0376	0.0038	0.0149	0.0041	-	-	-	-	0.0603
total	0.0638	0.0064	0.0253	0.0072	0.0061	0.0017	0.0032	0.0000	0.1138

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0033	0.0009	0.0014	0.0000	0.0056
10 mph	0.0162	0.0016	0.0064	0.0095	0.0040	0.0011	0.0015	0.0000	0.0404
15 mph	0.0311	0.0031	0.0123	0.0062	0.0028	0.0008	0.0009	0.0000	0.0572
20 mph	0.0062	0.0006	0.0024	0.0037	0.0016	0.0004	0.0013	0.0000	0.0162
25 mph	0.0215	0.0022	0.0085	0.0121	0.0065	0.0018	0.0042	0.0000	0.0569
30 mph	0.0190	0.0019	0.0075	0.0111	0.0047	0.0013	0.0028	0.0000	0.0484
35 mph	0.0519	0.0052	0.0206	0.0133	0.0041	0.0011	0.0017	0.0000	0.0980
40 mph	0.0058	0.0006	0.0023	0.0045	0.0022	0.0006	0.0014	0.0000	0.0174
45 mph	0.0044	0.0004	0.0017	0.0034	0.0016	0.0004	0.0010	0.0000	0.0129
50 mph	0.0044	0.0004	0.0017	0.0035	0.0017	0.0005	0.0008	0.0000	0.0131
55 mph	0.0031	0.0003	0.0012	0.0023	0.0011	0.0003	0.0003	0.0000	0.0087
60 mph	0.0051	0.0005	0.0020	0.0031	0.0014	0.0004	0.0118	0.0001	0.0245
65 mph	0.0009	0.0001	0.0003	0.0006	0.0003	0.0001	-	-	0.0023
70 mph	0.0130	0.0013	0.0051	0.0143	0.0076	0.0021	-	-	0.0433
total	0.1827	0.0183	0.0723	0.0875	0.0430	0.0119	0.0291	0.0002	0.4449

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0003	0.0000	0.0001	0.0003	0.0154	0.0134	0.0090	0.0442	0.0826
15 mph	0.0001	0.0000	0.0000	0.0001	0.0047	0.0042	0.0023	0.0109	0.0224
20 mph	0.0002	0.0000	0.0001	0.0002	0.0077	0.0070	0.0039	0.0152	0.0343
25 mph	0.0007	0.0000	0.0002	0.0007	0.0321	0.0294	0.0200	0.0902	0.1733
30 mph	0.0006	0.0000	0.0002	0.0007	0.0309	0.0283	0.0194	0.0873	0.1674
35 mph	0.0004	0.0000	0.0002	0.0005	0.0231	0.0210	0.0103	0.0464	0.1019
40 mph	0.0001	0.0000	0.0000	0.0001	0.0072	0.0065	0.0144	0.0648	0.0932
45 mph	0.0001	0.0000	0.0000	0.0001	0.0056	0.0050	0.0148	0.0668	0.0925
50 mph	0.0001	0.0000	0.0000	0.0001	0.0055	0.0048	0.0309	0.1383	0.1798
55 mph	0.0001	0.0000	0.0000	0.0001	0.0043	0.0038	0.0091	0.0416	0.0589
60 mph	0.0002	0.0000	0.0001	0.0002	0.0087	0.0076	0.0113	0.0512	0.0793
65 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0010	-	-	0.0023
70 mph	-	-	-	-	-	-	-	-	-
total	0.0029	0.0001	0.0009	0.0030	0.1464	0.1322	0.1454	0.6570	1.0879

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0001	0.0033	0.0029	-	-	0.0063
15 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0023	-	-	0.0048
20 mph	0.0000	0.0000	0.0000	0.0000	0.0021	0.0019	0.0070	0.0275	0.0385
25 mph	0.0000	0.0000	0.0000	0.0001	0.0034	0.0032	0.0115	0.0517	0.0699
30 mph	0.0000	0.0000	0.0000	0.0001	0.0060	0.0055	0.0210	0.0944	0.1271
35 mph	0.0001	0.0000	0.0000	0.0002	0.0124	0.0112	0.0248	0.1116	0.1604
40 mph	0.0001	0.0000	0.0000	0.0002	0.0128	0.0115	0.0286	0.1286	0.1818
45 mph	0.0001	0.0000	0.0000	0.0002	0.0096	0.0087	0.0267	0.1204	0.1656
50 mph	0.0001	0.0000	0.0000	0.0002	0.0105	0.0094	0.0172	0.0767	0.1141
55 mph	0.0000	0.0000	0.0000	0.0001	0.0057	0.0051	0.0109	0.0500	0.0718
60 mph	0.0000	0.0000	0.0000	0.0001	0.0035	0.0031	0.9539	4.3069	5.2675
65 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0011	-	-	0.0024
70 mph	0.0004	0.0000	0.0001	0.0010	0.0925	0.0664	-	-	0.1605
total	0.0010	0.0000	0.0003	0.0022	0.1658	0.1321	1.1014	4.9679	6.3706

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0584	0.0410	0.0049	0.0053	0.1096
15 mph	0.0007	0.0000	0.0002	0.0001	0.0074	0.0067	0.0039	0.0184	0.0375
25 mph	-	-	-	-	0.0097	0.0089	0.0134	0.0605	0.0924
35 mph	0.0014	0.0001	0.0005	0.0003	-	-	-	-	0.0022
total	0.0021	0.0001	0.0007	0.0005	0.0755	0.0566	0.0222	0.0842	0.2418

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0584	0.0410	0.0049	0.0053	0.1096
10 mph	0.0003	0.0000	0.0001	0.0003	0.0187	0.0162	0.0090	0.0442	0.0889
15 mph	0.0008	0.0000	0.0002	0.0003	0.0146	0.0133	0.0063	0.0293	0.0648
20 mph	0.0002	0.0000	0.0001	0.0002	0.0098	0.0089	0.0108	0.0427	0.0727
25 mph	0.0007	0.0000	0.0002	0.0007	0.0452	0.0415	0.0448	0.2024	0.3356
30 mph	0.0007	0.0000	0.0002	0.0008	0.0370	0.0339	0.0403	0.1816	0.2945
35 mph	0.0019	0.0001	0.0007	0.0010	0.0355	0.0322	0.0351	0.1581	0.2646
40 mph	0.0002	0.0000	0.0001	0.0004	0.0199	0.0180	0.0430	0.1934	0.2749
45 mph	0.0002	0.0000	0.0001	0.0003	0.0153	0.0137	0.0414	0.1872	0.2581
50 mph	0.0002	0.0000	0.0001	0.0003	0.0160	0.0142	0.0481	0.2151	0.2939
55 mph	0.0001	0.0000	0.0000	0.0002	0.0100	0.0088	0.0200	0.0916	0.1308
60 mph	0.0002	0.0000	0.0001	0.0002	0.0122	0.0107	0.9653	4.3581	5.3468
65 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0021	-	-	0.0047
70 mph	0.0004	0.0000	0.0001	0.0010	0.0925	0.0664	-	-	0.1605
total	0.0059	0.0002	0.0019	0.0057	0.3877	0.3209	1.2689	5.7091	7.7003

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0014	0.0014
15 mph								0.0004	0.0004
20 mph								0.0007	0.0007
25 mph								0.0033	0.0033
30 mph								0.0028	0.0028
35 mph								0.0012	0.0012
40 mph								0.0013	0.0013
45 mph								0.0010	0.0010
50 mph								0.0017	0.0017
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0139	0.0139

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0012	0.0012
25 mph								0.0019	0.0019
30 mph								0.0030	0.0030
35 mph								0.0029	0.0029
40 mph								0.0026	0.0026
45 mph								0.0019	0.0019
50 mph								0.0009	0.0009
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0091	0.0091

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0007	0.0007
25 mph								0.0022	0.0022
35 mph								-	-
total	-	-	-	-	-	-	-	0.0039	0.0039

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0014	0.0014
15 mph								0.0011	0.0011
20 mph								0.0019	0.0019
25 mph								0.0075	0.0075
30 mph								0.0059	0.0059
35 mph								0.0041	0.0041
40 mph								0.0039	0.0039
45 mph								0.0029	0.0029
50 mph								0.0026	0.0026
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0322	0.0322

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0617	0.0419	0.0062	0.0063	0.1162
10 mph	0.0166	0.0016	0.0065	0.0098	0.0227	0.0174	0.0105	0.0456	0.1307
15 mph	0.0319	0.0031	0.0126	0.0065	0.0174	0.0140	0.0072	0.0304	0.1230
20 mph	0.0063	0.0006	0.0025	0.0039	0.0114	0.0094	0.0122	0.0446	0.0909
25 mph	0.0222	0.0022	0.0088	0.0129	0.0517	0.0433	0.0490	0.2099	0.4000
30 mph	0.0197	0.0019	0.0078	0.0118	0.0417	0.0352	0.0431	0.1875	0.3487
35 mph	0.0539	0.0053	0.0212	0.0143	0.0396	0.0334	0.0368	0.1622	0.3666
40 mph	0.0060	0.0006	0.0024	0.0049	0.0221	0.0186	0.0444	0.1973	0.2962
45 mph	0.0045	0.0004	0.0018	0.0036	0.0169	0.0141	0.0424	0.1900	0.2739
50 mph	0.0046	0.0005	0.0018	0.0038	0.0177	0.0147	0.0489	0.2177	0.3096
55 mph	0.0033	0.0003	0.0013	0.0025	0.0111	0.0091	0.0203	0.0916	0.1394
60 mph	0.0053	0.0005	0.0021	0.0034	0.0136	0.0111	0.9771	4.3582	5.3713
65 mph	0.0009	0.0001	0.0004	0.0006	0.0028	0.0022	-	-	0.0070
70 mph	0.0135	0.0013	0.0052	0.0153	0.1001	0.0684	-	-	0.2038
STREX	0.0050	0.0005	0.0019	0.0060	0.0005	0.0001	0.0002	0.0000	0.0142
total	0.1936	0.0191	0.0761	0.0992	0.4311	0.3328	1.2983	5.7415	**8.1916**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0016	0.0020	0.0016	0.0016	0.0004	0.0003	0.0004	0.0006
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0050	0.0005	0.0019	0.0060	0.0005	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0050	0.0005	0.0019	0.0060	0.0005	0.0001	0.0002	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.6679	0.2024	1.0002	1.3377	1.1446	0.3962	0.8078	0.0032
Diesel	0.0282	0.0001	0.0083	0.0376	1.0275	0.8121	4.3908	5.5298
Electric/NG	0.0991	0.0037	0.0235	0.0311	-	-	-	0.3299
Total	2.7952	0.2062	1.0321	1.4065	2.1722	1.2083	5.1986	5.8630

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.1033	0.0837	0.4136	1.1553	1.2272	0.4248	2.9126	0.0117
Diesel	0.0117	0.0000	0.0034	0.0325	1.1017	0.8707	15.8310	19.9377
Electric/NG	0.0410	0.0015	0.0097	0.0269	-	-	-	1.1896
Total	1.1559	0.0853	0.4268	1.2147	2.3289	1.2955	18.7436	21.1390

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.8672	0.1417	0.7000	0.1929	0.1055	0.0365	0.1463	0.0006
Diesel	0.0198	0.0000	0.0058	0.0054	0.0947	0.0748	0.7954	1.0017
Electric/NG	0.0693	0.0026	0.0165	0.0045	-	-	-	0.0598
Total	1.9563	0.1443	0.7223	0.2028	0.2001	0.1113	0.9417	1.0621

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	5.6384	0.4278	2.1139	2.6860	2.4773	0.8575	3.8668	0.0155	18.0832
Diesel	0.0597	0.0001	0.0176	0.0755	2.2239	1.7576	21.0171	26.4693	51.6207
Electric/NG	0.2094	0.0079	0.0497	0.0625	-	-	-	1.5793	1.9088
Total	5.9074	0.4359	2.1812	2.8240	4.7012	2.6151	24.8839	28.0641	**71.6127**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	51.5445
Internal	61.7058
Total	**113.2503**

World Logistics Center
Mobile Emissions - 2027 (Net) - Unmitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0355	0.0331	0.0317	0.0350
10 mph	0.0046	0.0060	0.0049	0.0050	0.0045	0.0042	0.0041	0.0045
15 mph	0.0031	0.0040	0.0033	0.0033	0.0030	0.0028	0.0027	0.0030
20 mph	0.0022	0.0029	0.0023	0.0023	0.0021	0.0020	0.0019	0.0021
25 mph	0.0016	0.0021	0.0017	0.0017	0.0016	0.0015	0.0014	0.0016
30 mph	0.0012	0.0017	0.0013	0.0013	0.0012	0.0011	0.0011	0.0012
35 mph	0.0010	0.0014	0.0011	0.0011	0.0010	0.0009	0.0009	0.0010
40 mph	0.0009	0.0012	0.0009	0.0010	0.0009	0.0008	0.0008	0.0009
45 mph	0.0008	0.0011	0.0009	0.0009	0.0008	0.0007	0.0007	0.0008
50 mph	0.0008	0.0010	0.0008	0.0008	0.0008	0.0007	0.0007	0.0008
55 mph	0.0008	0.0011	0.0008	0.0009	0.0008	0.0007	0.0007	0.0008
60 mph	0.0009	0.0011	0.0009	0.0009	0.0009	0.0008	0.0007	0.0009
65 mph	0.0010	0.0013	0.0010	0.0010	0.0010	0.0009		
70 mph	0.0011	0.0014	0.0011	0.0011	0.0010	0.0009		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7600	0.7719	0.0219	0.0128
10 mph	0.0095	0.2380	0.0090	0.0068	0.0254	0.0319	0.0047	0.0123
15 mph	0.0077	0.1728	0.0077	0.0056	0.0192	0.0253	0.0036	0.0091
20 mph	0.0062	0.1322	0.0065	0.0046	0.0159	0.0210	0.0030	0.0063
25 mph	0.0050	0.1059	0.0055	0.0039	0.0132	0.0175	0.0028	0.0068
30 mph	0.0043	0.0889	0.0048	0.0034	0.0116	0.0154	0.0030	0.0073
35 mph	0.0037	0.0782	0.0044	0.0031	0.0106	0.0139	0.0036	0.0086
40 mph	0.0034	0.0717	0.0040	0.0028	0.0098	0.0128	0.0045	0.0108
45 mph	0.0032	0.0684	0.0037	0.0026	0.0093	0.0120	0.0057	0.0139
50 mph	0.0031	0.0685	0.0035	0.0025	0.0090	0.0116	0.0074	0.0177
55 mph	0.0030	0.0718	0.0033	0.0024	0.0088	0.0112	0.0094	0.0231
60 mph	0.0032	0.0784	0.0033	0.0024	0.0090	0.0113	0.0117	0.0284
65 mph	0.0033	0.0903	0.0033	0.0026	0.0100	0.0123		
70 mph	0.0034	0.1073	0.0035	0.0028	0.0155	0.0160		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0409
10 mph								0.0068
15 mph								0.0056
20 mph								0.0048
25 mph								0.0043
30 mph								0.0040
35 mph								0.0038
40 mph								0.0037
45 mph								0.0036
50 mph								0.0037
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0138	0.0014	0.0055	0.0074	0.0031	0.0009	0.0014	0.0000	0.0333
15 mph	0.0037	0.0004	0.0015	0.0020	0.0008	0.0002	0.0003	0.0000	0.0088
20 mph	0.0051	0.0005	0.0020	0.0028	0.0012	0.0003	0.0004	0.0000	0.0124
25 mph	0.0190	0.0019	0.0075	0.0103	0.0043	0.0012	0.0017	0.0000	0.0459
30 mph	0.0163	0.0016	0.0065	0.0088	0.0037	0.0010	0.0012	0.0000	0.0391
35 mph	0.0109	0.0011	0.0043	0.0059	0.0025	0.0007	0.0005	0.0000	0.0259
40 mph	0.0032	0.0003	0.0013	0.0017	0.0007	0.0002	0.0004	0.0000	0.0078
45 mph	0.0024	0.0002	0.0010	0.0013	0.0005	0.0001	0.0003	0.0000	0.0059
50 mph	0.0023	0.0002	0.0009	0.0013	0.0005	0.0001	0.0005	0.0000	0.0059
55 mph	0.0019	0.0002	0.0007	0.0010	0.0004	0.0001	0.0001	0.0000	0.0045
60 mph	0.0041	0.0004	0.0016	0.0022	0.0009	0.0003	0.0001	0.0000	0.0096
65 mph	0.0006	0.0001	0.0002	0.0003	0.0001	0.0000	-	-	0.0013
70 mph	-	-	-	-	-	-	-	-	-
total	0.0832	0.0084	0.0330	0.0449	0.0187	0.0052	0.0070	0.0001	0.2004

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0011	0.0001	0.0005	0.0013	0.0007	0.0002	-	-	0.0038
15 mph	0.0008	0.0001	0.0003	0.0009	0.0004	0.0001	-	-	0.0025
20 mph	0.0005	0.0001	0.0002	0.0006	0.0003	0.0001	0.0008	0.0000	0.0026
25 mph	0.0008	0.0001	0.0003	0.0009	0.0005	0.0001	0.0010	0.0000	0.0037
30 mph	0.0012	0.0001	0.0005	0.0014	0.0007	0.0002	0.0013	0.0000	0.0055
35 mph	0.0023	0.0002	0.0009	0.0025	0.0013	0.0004	0.0011	0.0000	0.0087
40 mph	0.0022	0.0002	0.0009	0.0025	0.0013	0.0004	0.0009	0.0000	0.0082
45 mph	0.0016	0.0002	0.0006	0.0018	0.0009	0.0003	0.0006	0.0000	0.0060
50 mph	0.0017	0.0002	0.0007	0.0019	0.0010	0.0003	0.0003	0.0000	0.0061
55 mph	0.0010	0.0001	0.0004	0.0011	0.0006	0.0002	0.0001	0.0000	0.0034
60 mph	0.0006	0.0001	0.0002	0.0007	0.0004	0.0001	0.0107	0.0001	0.0129
65 mph	0.0002	0.0000	0.0001	0.0003	0.0001	0.0000	-	-	0.0008
70 mph	0.0120	0.0012	0.0047	0.0132	0.0070	0.0019	-	-	0.0398
total	0.0261	0.0026	0.0102	0.0290	0.0152	0.0042	0.0168	0.0001	0.1041

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0030	0.0009	0.0012	0.0000	0.0052
15 mph	0.0241	0.0024	0.0096	0.0029	0.0013	0.0004	0.0005	0.0000	0.0412
25 mph	-	-	-	-	0.0013	0.0004	0.0012	0.0000	0.0028
35 mph	0.0345	0.0035	0.0137	0.0038	-	-	-	-	0.0555
total	0.0587	0.0059	0.0233	0.0066	0.0056	0.0016	0.0029	0.0000	0.1046

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0030	0.0009	0.0012	0.0000	0.0052
10 mph	0.0149	0.0015	0.0059	0.0087	0.0037	0.0010	0.0014	0.0000	0.0371
15 mph	0.0286	0.0028	0.0113	0.0057	0.0026	0.0007	0.0008	0.0000	0.0526
20 mph	0.0057	0.0006	0.0023	0.0034	0.0015	0.0004	0.0012	0.0000	0.0149
25 mph	0.0197	0.0020	0.0078	0.0111	0.0060	0.0017	0.0039	0.0000	0.0523
30 mph	0.0175	0.0018	0.0069	0.0102	0.0044	0.0012	0.0026	0.0000	0.0445
35 mph	0.0478	0.0048	0.0189	0.0122	0.0038	0.0010	0.0015	0.0000	0.0901
40 mph	0.0053	0.0005	0.0021	0.0042	0.0020	0.0005	0.0013	0.0000	0.0160
45 mph	0.0040	0.0004	0.0016	0.0031	0.0015	0.0004	0.0009	0.0000	0.0119
50 mph	0.0041	0.0004	0.0016	0.0032	0.0015	0.0004	0.0008	0.0000	0.0120
55 mph	0.0029	0.0003	0.0011	0.0021	0.0010	0.0003	0.0003	0.0000	0.0080
60 mph	0.0047	0.0005	0.0019	0.0029	0.0013	0.0004	0.0109	0.0001	0.0225
65 mph	0.0008	0.0001	0.0003	0.0006	0.0003	0.0001	-	-	0.0021
70 mph	0.0120	0.0012	0.0047	0.0132	0.0070	0.0019	-	-	0.0398
total	0.1679	0.0169	0.0665	0.0805	0.0395	0.0109	0.0268	0.0002	0.4091

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0003	0.0000	0.0001	0.0003	0.0147	0.0128	0.0086	0.0423	0.0791
15 mph	0.0001	0.0000	0.0000	0.0001	0.0045	0.0041	0.0022	0.0105	0.0214
20 mph	0.0002	0.0000	0.0000	0.0002	0.0074	0.0067	0.0037	0.0146	0.0328
25 mph	0.0006	0.0000	0.0002	0.0007	0.0307	0.0282	0.0191	0.0863	0.1658
30 mph	0.0006	0.0000	0.0002	0.0006	0.0296	0.0271	0.0185	0.0835	0.1602
35 mph	0.0004	0.0000	0.0001	0.0005	0.0221	0.0201	0.0099	0.0444	0.0975
40 mph	0.0001	0.0000	0.0000	0.0001	0.0068	0.0062	0.0138	0.0620	0.0891
45 mph	0.0001	0.0000	0.0000	0.0001	0.0054	0.0048	0.0141	0.0639	0.0885
50 mph	0.0001	0.0000	0.0000	0.0001	0.0052	0.0046	0.0296	0.1324	0.1721
55 mph	0.0001	0.0000	0.0000	0.0001	0.0041	0.0036	0.0087	0.0398	0.0564
60 mph	0.0002	0.0000	0.0000	0.0002	0.0083	0.0073	0.0108	0.0490	0.0758
65 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0010	-	-	0.0022
70 mph	-	-	-	-	-	-	-	-	-
total	0.0028	0.0001	0.0009	0.0029	0.1400	0.1264	0.1391	0.6286	1.0408

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0032	0.0027	-	-	0.0060
15 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0022	-	-	0.0046
20 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0018	0.0067	0.0263	0.0368
25 mph	0.0000	0.0000	0.0000	0.0001	0.0033	0.0030	0.0110	0.0495	0.0669
30 mph	0.0000	0.0000	0.0000	0.0001	0.0058	0.0053	0.0200	0.0903	0.1216
35 mph	0.0001	0.0000	0.0000	0.0002	0.0118	0.0108	0.0237	0.1068	0.1535
40 mph	0.0001	0.0000	0.0000	0.0002	0.0122	0.0110	0.0273	0.1230	0.1739
45 mph	0.0001	0.0000	0.0000	0.0002	0.0092	0.0083	0.0255	0.1152	0.1584
50 mph	0.0001	0.0000	0.0000	0.0002	0.0101	0.0090	0.0164	0.0734	0.1091
55 mph	0.0000	0.0000	0.0000	0.0001	0.0055	0.0048	0.0104	0.0478	0.0687
60 mph	0.0000	0.0000	0.0000	0.0001	0.0034	0.0029	0.9126	4.1206	5.0396
65 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0011	-	-	0.0023
70 mph	0.0004	0.0000	0.0001	0.0009	0.0885	0.0635	-	-	0.1535
total	0.0009	0.0000	0.0003	0.0021	0.1586	0.1264	1.0537	4.7530	6.0950

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0559	0.0392	0.0047	0.0051	0.1049
15 mph	0.0006	0.0000	0.0002	0.0001	0.0071	0.0064	0.0038	0.0176	0.0359
25 mph	-	-	-	-	0.0093	0.0085	0.0128	0.0578	0.0884
35 mph	0.0013	0.0001	0.0005	0.0003	-	-	-	-	0.0021
total	0.0020	0.0001	0.0006	0.0004	0.0722	0.0542	0.0212	0.0806	0.2313

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0559	0.0392	0.0047	0.0051	0.1049
10 mph	0.0003	0.0000	0.0001	0.0003	0.0179	0.0155	0.0086	0.0423	0.0850
15 mph	0.0008	0.0000	0.0002	0.0003	0.0140	0.0127	0.0060	0.0281	0.0620
20 mph	0.0002	0.0000	0.0001	0.0002	0.0094	0.0085	0.0104	0.0409	0.0696
25 mph	0.0007	0.0000	0.0002	0.0007	0.0433	0.0397	0.0429	0.1936	0.3211
30 mph	0.0006	0.0000	0.0002	0.0007	0.0354	0.0324	0.0386	0.1738	0.2817
35 mph	0.0018	0.0001	0.0006	0.0010	0.0340	0.0308	0.0336	0.1512	0.2531
40 mph	0.0002	0.0000	0.0001	0.0003	0.0191	0.0172	0.0411	0.1850	0.2631
45 mph	0.0002	0.0000	0.0001	0.0003	0.0146	0.0131	0.0397	0.1791	0.2469
50 mph	0.0002	0.0000	0.0001	0.0003	0.0153	0.0136	0.0460	0.2058	0.2812
55 mph	0.0001	0.0000	0.0000	0.0002	0.0096	0.0084	0.0191	0.0876	0.1251
60 mph	0.0002	0.0000	0.0001	0.0002	0.0117	0.0102	0.9235	4.1696	5.1155
65 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0020	-	-	0.0045
70 mph	0.0004	0.0000	0.0001	0.0009	0.0885	0.0635	-	-	0.1535
total	0.0057	0.0002	0.0018	0.0054	0.3709	0.3070	1.2140	5.4621	7.3672

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0014	0.0014
15 mph								0.0004	0.0004
20 mph								0.0006	0.0006
25 mph								0.0032	0.0032
30 mph								0.0027	0.0027
35 mph								0.0011	0.0011
40 mph								0.0012	0.0012
45 mph								0.0010	0.0010
50 mph								0.0016	0.0016
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0133	0.0133

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0012	0.0012
25 mph								0.0018	0.0018
30 mph								0.0029	0.0029
35 mph								0.0028	0.0028
40 mph								0.0025	0.0025
45 mph								0.0018	0.0018
50 mph								0.0009	0.0009
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0087	0.0087

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0006	0.0006
25 mph								0.0021	0.0021
35 mph								-	-
total	-	-	-	-	-	-	-	0.0037	0.0037

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0014	0.0014
15 mph								0.0010	0.0010
20 mph								0.0018	0.0018
25 mph								0.0072	0.0072
30 mph								0.0056	0.0056
35 mph								0.0039	0.0039
40 mph								0.0037	0.0037
45 mph								0.0028	0.0028
50 mph								0.0025	0.0025
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0308	0.0308

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0589	0.0401	0.0059	0.0061	0.1110
10 mph	0.0152	0.0015	0.0060	0.0090	0.0216	0.0166	0.0100	0.0436	0.1235
15 mph	0.0293	0.0029	0.0116	0.0060	0.0165	0.0134	0.0068	0.0291	0.1155
20 mph	0.0058	0.0006	0.0023	0.0036	0.0108	0.0089	0.0116	0.0427	0.0863
25 mph	0.0204	0.0020	0.0081	0.0119	0.0493	0.0413	0.0468	0.2008	0.3805
30 mph	0.0181	0.0018	0.0072	0.0109	0.0397	0.0336	0.0411	0.1794	0.3319
35 mph	0.0496	0.0049	0.0195	0.0132	0.0377	0.0319	0.0351	0.1552	0.3471
40 mph	0.0056	0.0005	0.0022	0.0045	0.0211	0.0178	0.0424	0.1887	0.2828
45 mph	0.0042	0.0004	0.0016	0.0034	0.0161	0.0135	0.0405	0.1818	0.2616
50 mph	0.0042	0.0004	0.0017	0.0035	0.0169	0.0140	0.0468	0.2083	0.2958
55 mph	0.0030	0.0003	0.0012	0.0023	0.0106	0.0087	0.0194	0.0876	0.1331
60 mph	0.0049	0.0005	0.0019	0.0031	0.0130	0.0106	0.9344	4.1697	5.1380
65 mph	0.0008	0.0001	0.0003	0.0006	0.0027	0.0021	-	-	0.0067
70 mph	0.0124	0.0012	0.0048	0.0141	0.0955	0.0654	-	-	0.1934
STREX	0.0046	0.0004	0.0018	0.0055	0.0004	0.0001	0.0002	0.0000	0.0131
total	0.1782	0.0175	0.0701	0.0915	0.4108	0.3180	1.2410	5.4931	**7.8202**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0014	0.0018	0.0015	0.0015	0.0003	0.0003	0.0004	0.0006
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0046	0.0004	0.0018	0.0055	0.0004	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0046	0.0004	0.0018	0.0055	0.0004	0.0001	0.0002	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.0582	0.0803	0.3967	0.5306	0.4712	0.1640	0.3340	0.0012
Diesel	0.0112	0.0000	0.0033	0.0149	0.4155	0.3308	1.8157	2.0062
Electric/NG	0.0393	0.0015	0.0093	0.0124	-	-	-	0.1197
Total	1.1087	0.0818	0.4094	0.5579	0.8867	0.4948	2.1497	2.1272

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.4376	0.0332	0.1641	0.4583	0.5052	0.1758	1.2044	0.0045
Diesel	0.0046	0.0000	0.0014	0.0129	0.4455	0.3547	6.5464	7.2334
Electric/NG	0.0163	0.0006	0.0039	0.0107	-	-	-	0.4316
Total	0.4585	0.0338	0.1693	0.4818	0.9507	0.5305	7.7508	7.6695

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.7406	0.0562	0.2777	0.0765	0.0434	0.0151	0.0605	0.0002
Diesel	0.0078	0.0000	0.0023	0.0021	0.0383	0.0305	0.3289	0.3634
Electric/NG	0.0275	0.0010	0.0065	0.0018	-	-	-	0.0217
Total	0.7760	0.0573	0.2865	0.0804	0.0817	0.0456	0.3894	0.3853

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	2.2364	0.1697	0.8385	1.0654	1.0198	0.3549	1.5990	0.0060	7.2896
Diesel	0.0237	0.0000	0.0070	0.0299	0.8992	0.7160	8.6909	9.6030	19.9698
Electric/NG	0.0831	0.0031	0.0197	0.0248	-	-	-	0.5730	0.7037
Total	2.3432	0.1729	0.8652	1.1201	1.9190	1.0709	10.2899	10.1820	**27.9631**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	12.6518
Internal	15.1460
Total	**27.7978**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0454	0.0309	0.0046	0.0047	0.0855
10 mph	0.0098	0.0010	0.0038	0.0058	0.0166	0.0128	0.0077	0.0336	0.0910
15 mph	0.0188	0.0018	0.0074	0.0038	0.0127	0.0103	0.0052	0.0224	0.0825
20 mph	0.0037	0.0004	0.0015	0.0023	0.0083	0.0069	0.0089	0.0329	0.0649
25 mph	0.0131	0.0013	0.0052	0.0076	0.0379	0.0318	0.0360	0.1546	0.2875
30 mph	0.0116	0.0011	0.0046	0.0070	0.0306	0.0259	0.0317	0.1381	0.2506
35 mph	0.0317	0.0031	0.0125	0.0084	0.0291	0.0245	0.0270	0.1195	0.2559
40 mph	0.0036	0.0004	0.0014	0.0029	0.0162	0.0137	0.0327	0.1453	0.2161
45 mph	0.0027	0.0003	0.0011	0.0021	0.0124	0.0104	0.0312	0.1400	0.2002
50 mph	0.0027	0.0003	0.0011	0.0022	0.0130	0.0108	0.0360	0.1604	0.2265
55 mph	0.0019	0.0002	0.0008	0.0015	0.0082	0.0067	0.0149	0.0675	0.1016
60 mph	0.0031	0.0003	0.0012	0.0020	0.0100	0.0081	0.7195	3.2107	3.9549
65 mph	0.0005	0.0001	0.0002	0.0004	0.0021	0.0016	-	-	0.0049
70 mph	0.0079	0.0008	0.0031	0.0090	0.0735	0.0504	-	-	0.1447
total	0.1111	0.0109	0.0437	0.0550	0.3160	0.2448	0.9554	4.2297	5.9666

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2027 (Net) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	1,876	2.40	0.32	0.0005	0.88	0.0019	3.57
2	L	2,637	2.40	0.32	0.0005	1.23	0.0019	5.02
3	L	2,501	2.40	0.32	0.0005	1.17	0.0019	4.76
5	L	4,044	2.40	0.32	0.0005	1.89	0.0019	7.70
6	L	8,106	2.40	0.32	0.0005	3.79	0.0019	15.44
8	L	6,042	2.40	0.32	0.0005	2.83	0.0019	11.51
11	L	(1,218)	2.40	0.32	0.0005	(0.57)	0.0019	(2.32)
12	L	(1,856)	2.40	0.32	0.0005	(0.87)	0.0019	(3.54)
14	L	(995)	2.40	0.32	0.0005	(0.47)	0.0019	(1.89)
18	L	1,050	2.40	0.32	0.0005	0.49	0.0019	2.00
19	L	5,004	2.40	0.32	0.0005	2.34	0.0019	9.53
21	L	2,571	2.40	0.32	0.0005	1.20	0.0019	4.90
24	L	5,783	2.40	0.32	0.0005	2.70	0.0019	11.02
30	L	(5,680)	2.40	0.32	0.0005	(2.66)	0.0019	(10.82)
29	L	2,719	2.40	0.32	0.0005	1.27	0.0019	5.18
31	L	(196)	2.40	0.32	0.0005	(0.09)	0.0019	(0.37)
TOTAL						15.15		61.71

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2027 (Net) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	116,219	2.40	0.032	0.0001	6.69	0.0002	27.24
Freeway	F	206,639	2.40	0.015	0.0000	5.97	0.0001	24.30
TOTAL		322,858				12.65		51.54

World Logistics Center
Mobile Emissions - 2027 (Net) - Unmitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0054	0.0091	0.0075	0.0088	0.0119	0.0134	0.0214	0.2035
15 mph	0.0048	0.0079	0.0065	0.0077	0.0104	0.0117	0.0190	0.1798
20 mph	0.0043	0.0070	0.0059	0.0069	0.0095	0.0106	0.0172	0.1626
25 mph	0.0039	0.0063	0.0053	0.0062	0.0088	0.0097	0.0156	0.1489
30 mph	0.0036	0.0059	0.0049	0.0058	0.0082	0.0090	0.0143	0.1390
35 mph	0.0034	0.0055	0.0046	0.0054	0.0079	0.0085	0.0134	0.1318
40 mph	0.0033	0.0053	0.0044	0.0052	0.0076	0.0082	0.0128	0.1264
45 mph	0.0032	0.0051	0.0043	0.0051	0.0074	0.0080	0.0123	0.1231
50 mph	0.0031	0.0051	0.0042	0.0050	0.0074	0.0079	0.0122	0.1220
55 mph	0.0032	0.0053	0.0043	0.0051	0.0076	0.0080	0.0124	0.1236
60 mph	0.0033	0.0056	0.0045	0.0054	0.0079	0.0083	0.0128	0.1277
65 mph	0.0035	0.0059	0.0047	0.0057	0.0083	0.0087	0.0135	0.1336
70 mph	0.0036	0.0067	0.0050	0.0061	0.0092	0.0089	0.0134	0.1423

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0596	0.1296	0.0803	0.1000	0.1457	0.1630	0.2852	0.4639
15 mph	0.0490	0.1079	0.0666	0.0847	0.0948	0.1081	0.2244	0.3414
20 mph	0.0402	0.0886	0.0547	0.0703	0.0809	0.0923	0.1916	0.2835
25 mph	0.0337	0.0740	0.0459	0.0596	0.0717	0.0823	0.1673	0.2416
30 mph	0.0292	0.0637	0.0397	0.0516	0.0652	0.0743	0.1469	0.2117
35 mph	0.0264	0.0571	0.0358	0.0469	0.0654	0.0744	0.1312	0.1930
40 mph	0.0247	0.0532	0.0334	0.0439	0.0637	0.0718	0.1202	0.1760
45 mph	0.0239	0.0513	0.0322	0.0423	0.0621	0.0691	0.1139	0.1664
50 mph	0.0240	0.0513	0.0323	0.0425	0.0652	0.0717	0.1124	0.1614
55 mph	0.0251	0.0537	0.0337	0.0449	0.0680	0.0741	0.1156	0.1669
60 mph	0.0272	0.0582	0.0365	0.0486	0.0687	0.0743	0.1235	0.1769
65 mph	0.0306	0.0648	0.0410	0.0547	0.0698	0.0748	0.1361	0.1918
70 mph	0.0334	0.0676	0.0438	0.0598	0.0715	0.0766	0.1373	0.1943

*US EPA Emission Factors for Greenhouse Gas Inventories. (Idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.9221
15 mph								0.7738
20 mph								0.6753
25 mph								0.6221
30 mph								0.5880
35 mph								0.5610
40 mph								0.5389
45 mph								0.5204
50 mph								0.5045
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0162	0.0021	0.0084	0.0131	0.0080	0.0027	0.0073	0.0005	0.0583
15 mph	0.0057	0.0007	0.0029	0.0046	0.0028	0.0010	0.0022	0.0001	0.0200
20 mph	0.0102	0.0013	0.0052	0.0082	0.0052	0.0017	0.0039	0.0003	0.0360
25 mph	0.0467	0.0057	0.0237	0.0372	0.0238	0.0079	0.0194	0.0013	0.1658
30 mph	0.0477	0.0058	0.0242	0.0380	0.0246	0.0081	0.0162	0.0011	0.1656
35 mph	0.0368	0.0045	0.0186	0.0293	0.0192	0.0063	0.0068	0.0005	0.1220
40 mph	0.0117	0.0014	0.0059	0.0093	0.0062	0.0020	0.0073	0.0005	0.0444
45 mph	0.0094	0.0012	0.0048	0.0076	0.0050	0.0016	0.0056	0.0004	0.0356
50 mph	0.0093	0.0012	0.0047	0.0075	0.0050	0.0016	0.0090	0.0006	0.0390
55 mph	0.0076	0.0010	0.0039	0.0061	0.0041	0.0013	0.0021	0.0001	0.0262
60 mph	0.0157	0.0020	0.0081	0.0128	0.0085	0.0027	0.0022	0.0002	0.0522
65 mph	0.0021	0.0003	0.0011	0.0017	0.0011	0.0004	-	-	0.0066
70 mph	-	-	-	-	-	-	-	-	-
total	0.2192	0.0271	0.1114	0.1754	0.1137	0.0372	0.0820	0.0056	0.7717

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0013	0.0002	0.0007	0.0023	0.0017	0.0006	-	-	0.0068
15 mph	0.0012	0.0001	0.0006	0.0020	0.0015	0.0005	-	-	0.0059
20 mph	0.0011	0.0001	0.0005	0.0018	0.0014	0.0005	0.0070	0.0005	0.0128
25 mph	0.0019	0.0002	0.0010	0.0032	0.0026	0.0008	0.0111	0.0007	0.0216
30 mph	0.0036	0.0004	0.0018	0.0060	0.0048	0.0016	0.0175	0.0012	0.0369
35 mph	0.0076	0.0009	0.0038	0.0127	0.0103	0.0034	0.0164	0.0011	0.0563
40 mph	0.0081	0.0010	0.0041	0.0135	0.0111	0.0036	0.0144	0.0010	0.0566
45 mph	0.0063	0.0008	0.0032	0.0104	0.0087	0.0028	0.0101	0.0007	0.0429
50 mph	0.0070	0.0009	0.0035	0.0117	0.0097	0.0031	0.0050	0.0003	0.0412
55 mph	0.0039	0.0005	0.0020	0.0066	0.0055	0.0017	0.0025	0.0002	0.0230
60 mph	0.0024	0.0003	0.0013	0.0041	0.0034	0.0011	0.1835	0.0128	0.2089
65 mph	0.0009	0.0001	0.0004	0.0015	0.0012	0.0004	-	-	0.0044
70 mph	0.0411	0.0057	0.0211	0.0723	0.0617	0.0179	-	-	0.2198
total	0.0863	0.0113	0.0440	0.1479	0.1236	0.0379	0.2676	0.0185	0.7372

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0011	0.0003	0.0005	0.0000	0.0020
15 mph	0.0376	0.0047	0.0193	0.0067	0.0045	0.0015	0.0036	0.0002	0.0782
25 mph	-	-	-	-	0.0072	0.0024	0.0130	0.0009	0.0234
35 mph	0.1161	0.0142	0.0586	0.0187	-	-	-	-	0.2077
total	0.1537	0.0189	0.0780	0.0254	0.0128	0.0042	0.0172	0.0011	0.3114

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0011	0.0003	0.0005	0.0000	0.0020
10 mph	0.0176	0.0022	0.0091	0.0154	0.0098	0.0033	0.0073	0.0005	0.0651
15 mph	0.0445	0.0056	0.0228	0.0132	0.0088	0.0030	0.0058	0.0004	0.1041
20 mph	0.0113	0.0014	0.0058	0.0100	0.0066	0.0022	0.0109	0.0007	0.0489
25 mph	0.0486	0.0060	0.0247	0.0404	0.0335	0.0111	0.0436	0.0029	0.2109
30 mph	0.0513	0.0063	0.0260	0.0439	0.0294	0.0097	0.0338	0.0023	0.2025
35 mph	0.1605	0.0196	0.0811	0.0607	0.0296	0.0096	0.0232	0.0016	0.3860
40 mph	0.0198	0.0024	0.0100	0.0228	0.0173	0.0056	0.0217	0.0015	0.1010
45 mph	0.0157	0.0019	0.0079	0.0180	0.0137	0.0044	0.0157	0.0011	0.0785
50 mph	0.0163	0.0020	0.0083	0.0192	0.0148	0.0047	0.0140	0.0010	0.0802
55 mph	0.0115	0.0014	0.0059	0.0127	0.0096	0.0030	0.0046	0.0003	0.0491
60 mph	0.0182	0.0023	0.0093	0.0170	0.0120	0.0038	0.1857	0.0129	0.2611
65 mph	0.0029	0.0004	0.0015	0.0032	0.0023	0.0007	-	-	0.0110
70 mph	0.0411	0.0057	0.0211	0.0723	0.0617	0.0179	-	-	0.2198
total	0.4593	0.0574	0.2334	0.3487	0.2501	0.0794	0.3668	0.0252	1.8202

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0019	0.0000	0.0007	0.0042	0.0846	0.0654	0.5278	1.5999	2.2846
15 mph	0.0006	0.0000	0.0002	0.0014	0.0220	0.0173	0.1384	0.3925	0.5726
20 mph	0.0010	0.0000	0.0004	0.0024	0.0376	0.0296	0.2364	0.6520	0.9594
25 mph	0.0043	0.0000	0.0017	0.0100	0.1667	0.1320	1.1351	3.0549	4.5047
30 mph	0.0041	0.0000	0.0016	0.0095	0.1667	0.1312	0.9061	2.4338	3.6530
35 mph	0.0030	0.0000	0.0012	0.0071	0.1367	0.1075	0.3643	0.9984	1.6183
40 mph	0.0009	0.0000	0.0004	0.0022	0.0444	0.0346	0.3709	1.0119	1.4653
45 mph	0.0008	0.0000	0.0003	0.0018	0.0361	0.0277	0.2812	0.7650	1.1128
50 mph	0.0008	0.0000	0.0003	0.0018	0.0379	0.0288	0.4508	1.2058	1.7261
55 mph	0.0006	0.0000	0.0003	0.0015	0.0316	0.0238	0.1070	0.2878	0.4526
60 mph	0.0014	0.0000	0.0005	0.0033	0.0638	0.0477	0.1143	0.3051	0.5361
65 mph	0.0002	0.0000	0.0001	0.0005	0.0081	0.0060	-	-	0.0148
70 mph	-	-	-	-	-	-	-	-	-
total	0.0195	0.0001	0.0078	0.0456	0.8362	0.6517	4.6323	12.7071	18.9004

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0002	0.0000	0.0001	0.0007	0.0182	0.0140	-	-	0.0331
15 mph	0.0001	0.0000	0.0001	0.0006	0.0118	0.0093	-	-	0.0219
20 mph	0.0001	0.0000	0.0000	0.0005	0.0101	0.0079	0.4262	1.1753	1.6203
25 mph	0.0002	0.0000	0.0001	0.0009	0.0179	0.0142	0.6511	1.7523	2.4365
30 mph	0.0003	0.0000	0.0001	0.0015	0.0325	0.0256	0.9801	2.6326	3.6727
35 mph	0.0006	0.0000	0.0002	0.0031	0.0733	0.0577	0.8756	2.3999	3.4104
40 mph	0.0006	0.0000	0.0003	0.0032	0.0793	0.0618	0.7355	2.0067	2.8873
45 mph	0.0005	0.0000	0.0002	0.0025	0.0619	0.0475	0.5069	1.3791	1.9986
50 mph	0.0006	0.0000	0.0002	0.0028	0.0731	0.0555	0.2501	0.6688	1.0511
55 mph	0.0003	0.0000	0.0001	0.0016	0.0424	0.0319	0.1286	0.3459	0.5509
60 mph	0.0002	0.0000	0.0001	0.0011	0.0257	0.0192	9.6164	25.6664	35.3290
65 mph	0.0001	0.0000	0.0000	0.0004	0.0087	0.0064	-	-	0.0156
70 mph	0.0040	0.0000	0.0016	0.0200	0.4098	0.3032	-	-	0.7385
total	0.0078	0.0000	0.0031	0.0387	0.8645	0.6542	14.1704	38.0271	53.7658

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0002	0.0010	0.0019	0.0035
15 mph	0.0041	0.0000	0.0016	0.0021	0.0350	0.0276	0.2332	0.6612	0.9648
25 mph	-	-	-	-	0.0503	0.0398	0.7608	2.0475	2.8984
35 mph	0.0095	0.0000	0.0038	0.0045	-	-	-	-	0.0178
total	0.0135	0.0001	0.0054	0.0066	0.0856	0.0677	0.9950	2.7106	3.8845

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0002	0.0010	0.0019	0.0035
10 mph	0.0020	0.0000	0.0008	0.0049	0.1028	0.0794	0.5278	1.5999	2.3177
15 mph	0.0048	0.0000	0.0019	0.0041	0.0688	0.0542	0.3717	1.0536	1.5592
20 mph	0.0011	0.0000	0.0004	0.0029	0.0477	0.0376	0.6627	1.8273	2.5797
25 mph	0.0044	0.0000	0.0018	0.0109	0.2348	0.1860	2.5469	6.8548	9.8397
30 mph	0.0044	0.0000	0.0017	0.0110	0.1992	0.1567	1.8862	5.0664	7.3257
35 mph	0.0131	0.0001	0.0052	0.0147	0.2100	0.1652	1.2398	3.3984	5.0465
40 mph	0.0016	0.0000	0.0006	0.0054	0.1237	0.0964	1.1064	3.0186	4.3526
45 mph	0.0013	0.0000	0.0005	0.0042	0.0980	0.0753	0.7881	2.1441	3.1115
50 mph	0.0013	0.0000	0.0005	0.0046	0.1110	0.0843	0.7009	1.8746	2.7771
55 mph	0.0010	0.0000	0.0004	0.0031	0.0740	0.0557	0.2356	0.6337	1.0035
60 mph	0.0016	0.0000	0.0006	0.0043	0.0895	0.0669	9.7307	25.9715	35.8652
65 mph	0.0003	0.0000	0.0001	0.0009	0.0168	0.0124	-	-	0.0305
70 mph	0.0040	0.0000	0.0016	0.0200	0.4098	0.3032	-	-	0.7385
total	0.0408	0.0002	0.0163	0.0910	1.7864	1.3736	19.7978	53.4448	76.5507

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1868	0.1868
15 mph								0.0522	0.0522
20 mph								0.0912	0.0912
25 mph								0.4620	0.4620
30 mph								0.3970	0.3970
35 mph								0.1704	0.1704
40 mph								0.1819	0.1819
45 mph								0.1405	0.1405
50 mph								0.2214	0.2214
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.9035	1.9035

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.1644	0.1644
25 mph								0.2650	0.2650
30 mph								0.4294	0.4294
35 mph								0.4097	0.4097
40 mph								0.3608	0.3608
45 mph								0.2533	0.2533
50 mph								0.1228	0.1228
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.2685	1.2685

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
15 mph								0.0880	0.0880
25 mph								0.3096	0.3096
35 mph								-	-
total	-	-	-	-	-	-	-	0.3980	0.3980

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
10 mph								0.1868	0.1868
15 mph								0.1403	0.1403
20 mph								0.2556	0.2556
25 mph								1.0367	1.0367
30 mph								0.8264	0.8264
35 mph								0.5802	0.5802
40 mph								0.5427	0.5427
45 mph								0.3939	0.3939
50 mph								0.3442	0.3442
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	4.3069	4.3069

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0015	0.0006	0.0015	0.0022	0.0059
10 mph	0.0196	0.0022	0.0099	0.0203	0.1126	0.0827	0.5351	1.7872	2.5696
15 mph	0.0494	0.0056	0.0248	0.0173	0.0776	0.0572	0.3775	1.1943	1.8036
20 mph	0.0124	0.0014	0.0062	0.0128	0.0542	0.0398	0.6736	2.0836	2.8841
25 mph	0.0531	0.0060	0.0265	0.0513	0.2684	0.1972	2.5905	7.8943	11.0872
30 mph	0.0556	0.0063	0.0277	0.0550	0.2286	0.1664	1.9200	5.8951	8.3546
35 mph	0.1736	0.0197	0.0863	0.0754	0.2396	0.1748	1.2631	3.9801	6.0126
40 mph	0.0214	0.0024	0.0106	0.0282	0.1410	0.1020	1.1280	3.5628	4.9963
45 mph	0.0170	0.0019	0.0084	0.0222	0.1117	0.0797	0.8038	2.5391	3.5838
50 mph	0.0176	0.0020	0.0088	0.0237	0.1257	0.0890	0.7149	2.2198	3.2015
55 mph	0.0124	0.0015	0.0062	0.0159	0.0836	0.0587	0.2403	0.6340	1.0526
60 mph	0.0198	0.0023	0.0100	0.0213	0.1015	0.0707	9.9164	25.9844	36.1263
65 mph	0.0032	0.0004	0.0016	0.0040	0.0191	0.0132	-	-	0.0415
70 mph	0.0451	0.0058	0.0226	0.0922	0.4714	0.3211	-	-	0.9582
STREX	0.0704	0.0059	0.0312	0.1020	0.0462	0.0139	0.0174	0.0000	0.2871
total	0.5705	0.0634	0.2809	0.5417	2.0826	1.4669	20.1820	57.7770	**82.9649**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0219	0.0242	0.0259	0.0280	0.0370	0.0371	0.0293	0.0072
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0704	0.0059	0.0312	0.1020	0.0462	0.0139	0.0174	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0704	0.0059	0.0312	0.1020	0.0462	0.0139	0.0174	0.0000

World Logistics Center
Mobile Emissions - 2027 (Net) - Unmitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					2.1034	2.1204	3.3585	2.5055
10 mph	0.0066	0.0147	0.0109	0.0133	0.0147	0.0117	0.0256	0.3186
15 mph	0.0044	0.0100	0.0074	0.0089	0.0100	0.0079	0.0171	0.2113
20 mph	0.0031	0.0071	0.0052	0.0063	0.0073	0.0056	0.0122	0.1493
25 mph	0.0023	0.0053	0.0039	0.0047	0.0055	0.0042	0.0089	0.1107
30 mph	0.0018	0.0042	0.0030	0.0037	0.0043	0.0032	0.0068	0.0867
35 mph	0.0015	0.0035	0.0025	0.0030	0.0036	0.0027	0.0056	0.0718
40 mph	0.0013	0.0030	0.0021	0.0026	0.0032	0.0023	0.0049	0.0627
45 mph	0.0012	0.0028	0.0020	0.0024	0.0030	0.0022	0.0044	0.0577
50 mph	0.0011	0.0027	0.0019	0.0023	0.0029	0.0021	0.0043	0.0559
55 mph	0.0011	0.0027	0.0019	0.0024	0.0030	0.0021	0.0044	0.0571
60 mph	0.0012	0.0028	0.0020	0.0025	0.0033	0.0023	0.0047	0.0611
65 mph	0.0013	0.0031	0.0022	0.0027	0.0037	0.0026		
70 mph	0.0014	0.0037	0.0023	0.0030	0.0039	0.0025		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0244	0.1097
10 mph	0.0047	0.0196	0.0090	0.0048	0.0253	0.0254	0.0016	0.0038
15 mph	0.0024	0.0131	0.0044	0.0024	0.0130	0.0130	0.0009	0.0022
20 mph	0.0010	0.0091	0.0017	0.0010	0.0058	0.0058	0.0006	0.0014
25 mph	0.0006	0.0071	0.0011	0.0006	0.0038	0.0037	0.0005	0.0011
30 mph	0.0005	0.0059	0.0008	0.0005	0.0030	0.0029	0.0004	0.0009
35 mph	0.0004	0.0051	0.0006	0.0004	0.0025	0.0024	0.0003	0.0008
40 mph	0.0003	0.0047	0.0005	0.0003	0.0022	0.0021	0.0003	0.0006
45 mph	0.0003	0.0044	0.0004	0.0003	0.0019	0.0019	0.0002	0.0006
50 mph	0.0003	0.0044	0.0004	0.0002	0.0018	0.0017	0.0002	0.0006
55 mph	0.0003	0.0046	0.0003	0.0002	0.0017	0.0017	0.0003	0.0007
60 mph	0.0003	0.0050	0.0003	0.0002	0.0017	0.0017	0.0003	0.0008
65 mph	0.0003	0.0057	0.0003	0.0002	0.0020	0.0019		
70 mph	0.0003	0.0067	0.0003	0.0002	0.0031	0.0027		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.9357
10 mph								11.6623
15 mph								7.9619
20 mph								5.5936
25 mph								4.1070
30 mph								3.0520
35 mph								2.2715
40 mph								1.6949
45 mph								1.2702
50 mph								0.9590
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0197	0.0033	0.0122	0.0199	0.0100	0.0024	0.0087	0.0008	0.0770
15 mph	0.0053	0.0009	0.0033	0.0054	0.0027	0.0006	0.0019	0.0002	0.0203
20 mph	0.0074	0.0013	0.0047	0.0076	0.0039	0.0009	0.0028	0.0002	0.0288
25 mph	0.0273	0.0048	0.0173	0.0281	0.0148	0.0034	0.0111	0.0010	0.1078
30 mph	0.0233	0.0042	0.0148	0.0242	0.0129	0.0029	0.0078	0.0007	0.0907
35 mph	0.0156	0.0028	0.0099	0.0163	0.0089	0.0020	0.0028	0.0003	0.0585
40 mph	0.0045	0.0008	0.0029	0.0047	0.0026	0.0006	0.0028	0.0002	0.0191
45 mph	0.0035	0.0006	0.0022	0.0036	0.0020	0.0004	0.0020	0.0002	0.0146
50 mph	0.0033	0.0006	0.0021	0.0035	0.0020	0.0004	0.0032	0.0003	0.0154
55 mph	0.0027	0.0005	0.0017	0.0028	0.0016	0.0003	0.0007	0.0001	0.0105
60 mph	0.0057	0.0010	0.0036	0.0059	0.0035	0.0007	0.0008	0.0001	0.0214
65 mph	0.0008	0.0001	0.0005	0.0008	0.0005	0.0001	-	-	0.0029
70 mph	-	-	-	-	-	-	-	-	-
total	0.1189	0.0211	0.0751	0.1228	0.0655	0.0148	0.0447	0.0039	0.4668

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0016	0.0003	0.0010	0.0034	0.0021	0.0005	-	-	0.0090
15 mph	0.0011	0.0002	0.0007	0.0023	0.0014	0.0003	-	-	0.0061
20 mph	0.0008	0.0001	0.0005	0.0016	0.0011	0.0002	0.0050	0.0004	0.0097
25 mph	0.0011	0.0002	0.0007	0.0024	0.0016	0.0004	0.0064	0.0006	0.0134
30 mph	0.0018	0.0003	0.0011	0.0038	0.0025	0.0006	0.0084	0.0007	0.0192
35 mph	0.0032	0.0006	0.0020	0.0070	0.0047	0.0011	0.0068	0.0006	0.0261
40 mph	0.0031	0.0006	0.0020	0.0068	0.0047	0.0010	0.0055	0.0005	0.0241
45 mph	0.0023	0.0004	0.0015	0.0050	0.0035	0.0008	0.0036	0.0003	0.0173
50 mph	0.0025	0.0005	0.0016	0.0054	0.0038	0.0008	0.0018	0.0002	0.0165
55 mph	0.0014	0.0003	0.0009	0.0030	0.0022	0.0005	0.0009	0.0001	0.0092
60 mph	0.0009	0.0002	0.0006	0.0019	0.0014	0.0003	0.0676	0.0061	0.0790
65 mph	0.0003	0.0001	0.0002	0.0007	0.0005	0.0001	-	-	0.0019
70 mph	0.0162	0.0032	0.0100	0.0359	0.0263	0.0051	-	-	0.0966
total	0.0362	0.0068	0.0227	0.0794	0.0560	0.0117	0.1060	0.0095	0.3282

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1805	0.0547	0.1318	0.0010	0.3679
15 mph	0.0347	0.0059	0.0217	0.0078	0.0043	0.0010	0.0033	0.0003	0.0790
25 mph	-	-	-	-	0.0045	0.0010	0.0075	0.0006	0.0136
35 mph	0.0492	0.0089	0.0313	0.0104	-	-	-	-	0.0998
total	0.0838	0.0149	0.0530	0.0182	0.1892	0.0568	0.1425	0.0019	0.5603

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1805	0.0547	0.1318	0.0010	0.3679
10 mph	0.0213	0.0036	0.0132	0.0234	0.0121	0.0029	0.0087	0.0008	0.0860
15 mph	0.0410	0.0070	0.0257	0.0154	0.0084	0.0020	0.0052	0.0004	0.1053
20 mph	0.0082	0.0014	0.0051	0.0092	0.0050	0.0012	0.0077	0.0007	0.0385
25 mph	0.0284	0.0050	0.0180	0.0306	0.0208	0.0048	0.0250	0.0022	0.1347
30 mph	0.0250	0.0045	0.0159	0.0280	0.0154	0.0035	0.0162	0.0014	0.1099
35 mph	0.0680	0.0124	0.0432	0.0337	0.0136	0.0030	0.0097	0.0009	0.1845
40 mph	0.0076	0.0014	0.0049	0.0115	0.0073	0.0016	0.0082	0.0007	0.0433
45 mph	0.0057	0.0010	0.0036	0.0086	0.0055	0.0012	0.0056	0.0005	0.0319
50 mph	0.0058	0.0011	0.0037	0.0089	0.0058	0.0012	0.0049	0.0004	0.0319
55 mph	0.0041	0.0007	0.0026	0.0059	0.0039	0.0008	0.0016	0.0001	0.0198
60 mph	0.0066	0.0012	0.0041	0.0078	0.0049	0.0010	0.0684	0.0062	0.1003
65 mph	0.0011	0.0002	0.0007	0.0015	0.0010	0.0002	-	-	0.0048
70 mph	0.0162	0.0032	0.0100	0.0359	0.0263	0.0051	-	-	0.0966
total	0.2390	0.0427	0.1507	0.2204	0.3107	0.0833	0.2931	0.0154	1.3553

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0001	0.0002	0.0147	0.0102	0.0030	0.0132	0.0416
15 mph	0.0000	0.0000	0.0000	0.0000	0.0030	0.0021	0.0006	0.0025	0.0083
20 mph	0.0000	0.0000	0.0000	0.0000	0.0027	0.0018	0.0008	0.0031	0.0085
25 mph	0.0001	0.0000	0.0000	0.0001	0.0088	0.0060	0.0032	0.0144	0.0326
30 mph	0.0001	0.0000	0.0000	0.0001	0.0076	0.0052	0.0024	0.0106	0.0259
35 mph	0.0000	0.0000	0.0000	0.0001	0.0052	0.0035	0.0009	0.0039	0.0136
40 mph	0.0000	0.0000	0.0000	0.0000	0.0015	0.0010	0.0008	0.0037	0.0071
45 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0007	0.0006	0.0027	0.0052
50 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0007	0.0010	0.0045	0.0072
55 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0005	0.0003	0.0011	0.0027
60 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0011	0.0003	0.0013	0.0043
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0005	0.0000	0.0002	0.0006	0.0483	0.0330	0.0138	0.0611	0.1575

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0032	0.0022	-	-	0.0054
15 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0011	-	-	0.0028
20 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0014	0.0056	0.0082
25 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0006	0.0018	0.0082	0.0117
30 mph	0.0000	0.0000	0.0000	0.0000	0.0015	0.0010	0.0026	0.0114	0.0165
35 mph	0.0000	0.0000	0.0000	0.0000	0.0028	0.0019	0.0021	0.0093	0.0162
40 mph	0.0000	0.0000	0.0000	0.0000	0.0027	0.0018	0.0017	0.0074	0.0136
45 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0013	0.0011	0.0049	0.0093
50 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0013	0.0006	0.0025	0.0064
55 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0007	0.0003	0.0014	0.0035
60 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0004	0.0247	0.1105	0.1363
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	0.0000	0.0000	0.0000	0.0001	0.0180	0.0107	-	-	0.0289
total	0.0001	0.0000	0.0000	0.0003	0.0373	0.0238	0.0362	0.1613	0.2590

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0108	0.0075	0.0052	0.0436	0.0671
15 mph	0.0002	0.0000	0.0001	0.0001	0.0048	0.0033	0.0010	0.0042	0.0137
25 mph	-	-	-	-	0.0026	0.0018	0.0022	0.0096	0.0163
35 mph	0.0001	0.0000	0.0001	0.0000	-	-	-	-	0.0003
total	0.0003	0.0000	0.0002	0.0001	0.0183	0.0126	0.0083	0.0575	0.0973

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0108	0.0075	0.0052	0.0436	0.0671
10 mph	0.0002	0.0000	0.0001	0.0002	0.0179	0.0124	0.0030	0.0132	0.0470
15 mph	0.0002	0.0000	0.0001	0.0001	0.0094	0.0065	0.0015	0.0068	0.0247
20 mph	0.0000	0.0000	0.0000	0.0000	0.0034	0.0023	0.0021	0.0087	0.0167
25 mph	0.0001	0.0000	0.0000	0.0001	0.0124	0.0084	0.0072	0.0323	0.0605
30 mph	0.0001	0.0000	0.0000	0.0001	0.0091	0.0062	0.0049	0.0220	0.0424
35 mph	0.0002	0.0000	0.0001	0.0001	0.0080	0.0054	0.0030	0.0132	0.0300
40 mph	0.0000	0.0000	0.0000	0.0000	0.0042	0.0028	0.0025	0.0111	0.0207
45 mph	0.0000	0.0000	0.0000	0.0000	0.0031	0.0020	0.0017	0.0077	0.0145
50 mph	0.0000	0.0000	0.0000	0.0000	0.0031	0.0020	0.0016	0.0069	0.0136
55 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0012	0.0006	0.0025	0.0062
60 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0015	0.0250	0.1118	0.1406
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	-	-	0.0008
70 mph	0.0000	0.0000	0.0000	0.0001	0.0180	0.0107	-	-	0.0289
total	0.0009	0.0000	0.0004	0.0009	0.1039	0.0694	0.0583	0.2798	0.5137

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								2.3621	2.3621
15 mph								0.5375	0.5375
20 mph								0.7553	0.7553
25 mph								3.0500	3.0500
30 mph								2.0605	2.0605
35 mph								0.6901	0.6901
40 mph								0.5722	0.5722
45 mph								0.3430	0.3430
50 mph								0.4208	0.4208
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	10.7916	10.7916

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1.3616	1.3616
25 mph								1.7495	1.7495
30 mph								2.2288	2.2288
35 mph								1.6588	1.6588
40 mph								1.1346	1.1346
45 mph								0.6184	0.6184
50 mph								0.2334	0.2334
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	6.9987	6.9987

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0452	0.0452
15 mph								0.9056	0.9056
25 mph								2.0442	2.0442
35 mph								-	-
total	-	-	-	-	-	-	-	2.9950	2.9950

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0452	0.0452
10 mph								2.3621	2.3621
15 mph								1.4432	1.4432
20 mph								2.1169	2.1169
25 mph								6.8437	6.8437
30 mph								4.2893	4.2893
35 mph								2.3489	2.3489
40 mph								1.7067	1.7067
45 mph								0.9614	0.9614
50 mph								0.6543	0.6543
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	22.7716	22.7716

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1913	0.0622	0.1370	0.0898	0.4802
10 mph	0.0214	0.0036	0.0133	0.0236	0.0300	0.0153	0.0118	2.3761	2.4951
15 mph	0.0412	0.0070	0.0258	0.0156	0.0179	0.0085	0.0067	1.4504	1.5731
20 mph	0.0082	0.0014	0.0052	0.0093	0.0084	0.0035	0.0098	2.1263	2.1721
25 mph	0.0285	0.0050	0.0180	0.0307	0.0332	0.0132	0.0322	6.8781	7.0390
30 mph	0.0251	0.0045	0.0159	0.0281	0.0245	0.0096	0.0211	4.3127	4.4416
35 mph	0.0682	0.0124	0.0433	0.0338	0.0216	0.0084	0.0127	2.3630	2.5634
40 mph	0.0076	0.0014	0.0049	0.0115	0.0115	0.0044	0.0107	1.7186	1.7707
45 mph	0.0058	0.0010	0.0037	0.0086	0.0086	0.0032	0.0074	0.9696	1.0078
50 mph	0.0058	0.0011	0.0037	0.0089	0.0089	0.0033	0.0065	0.6616	0.6998
55 mph	0.0041	0.0007	0.0026	0.0059	0.0057	0.0021	0.0022	0.0026	0.0260
60 mph	0.0066	0.0012	0.0041	0.0079	0.0072	0.0025	0.0934	0.1180	0.2409
65 mph	0.0011	0.0002	0.0007	0.0015	0.0015	0.0005	-	-	0.0056
70 mph	0.0162	0.0032	0.0100	0.0359	0.0443	0.0158	-	-	0.1254
STREX	0.1186	0.0121	0.0604	0.2132	0.0234	0.0071	0.0205	0.0000	0.4553
total	0.3585	0.0548	0.2116	0.4345	0.4380	0.1598	0.3719	23.0668	**25.0959**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0369	0.0496	0.0502	0.0586	0.0188	0.0190	0.0344	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1186	0.0121	0.0604	0.2132	0.0234	0.0071	0.0205	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1186	0.0121	0.0604	0.2132	0.0234	0.0071	0.0205	0.0000

World Logistics Center
Mobile Emissions - 2027 (Net) - Unmitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,367.84	5,099.23	12,962.06	21,670.46
10 mph	453.61	530.25	549.80	678.55	1,436.76	1,653.60	2,971.04	3,527.20
15 mph	370.74	433.27	449.13	553.76	1,173.52	1,349.67	2,430.43	2,894.53
20 mph	308.36	360.39	373.56	460.66	975.71	1,122.38	2,017.91	2,411.71
25 mph	263.65	308.24	319.55	394.40	834.05	959.35	1,726.93	2,063.95
30 mph	233.98	273.64	283.75	350.66	740.42	851.72	1,534.58	1,830.98
35 mph	216.99	253.85	263.28	325.95	686.78	790.16	1,423.78	1,695.18
40 mph	210.27	245.98	255.11	315.92	664.90	765.03	1,377.71	1,639.07
45 mph	211.37	247.14	256.27	317.23	667.34	767.84	1,383.71	1,640.43
50 mph	217.72	254.51	263.84	326.94	687.03	790.13	1,423.28	1,685.64
55 mph	226.20	264.40	274.18	339.94	715.23	822.52	1,479.40	1,752.05
60 mph	233.01	272.67	282.98	351.30	744.13	855.72	1,538.52	1,820.57
65 mph	238.65	279.80	290.51	361.40	766.76	881.31		
70 mph	241.58	284.04	293.18	370.58	778.64	891.47		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,548.37	5,718.68	5,917.38	5,394.74
10 mph	379.15	824.82	510.90	636.14	926.98	1,037.04	1,814.11	2,951.16
15 mph	311.92	686.28	423.77	538.78	602.85	687.62	1,427.56	2,171.68
20 mph	255.86	563.58	348.11	447.53	514.52	587.23	1,219.10	1,803.86
25 mph	214.56	470.79	291.91	379.11	456.32	523.32	1,064.07	1,536.81
30 mph	185.92	405.06	252.42	328.12	414.91	472.54	934.38	1,346.80
35 mph	168.16	363.07	227.76	298.54	415.87	473.58	834.73	1,227.78
40 mph	157.38	338.28	212.55	279.43	405.03	456.88	764.91	1,119.91
45 mph	152.03	326.52	204.94	268.83	395.25	439.37	724.91	1,058.30
50 mph	152.53	326.57	205.17	270.48	414.72	456.01	715.19	1,026.50
55 mph	159.58	341.49	214.47	285.41	432.92	471.49	735.71	1,061.73
60 mph	173.03	370.06	232.36	309.05	436.97	472.87	785.81	1,125.49
65 mph	194.65	412.46	260.92	347.99	443.99	475.62		
70 mph	212.19	430.05	278.53	380.65	454.93	487.23		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,583.59
10 mph								4,523.25
15 mph								3,795.68
20 mph								3,312.83
25 mph								3,051.67
30 mph								2,884.46
35 mph								2,752.14
40 mph								2,643.74
45 mph								2,552.75
50 mph								2,475.00
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	1,352.17	119.94	614.46	1,014.20	973.81	337.08	1,011.69	8.39	5,431.74
15 mph	442.05	39.20	200.78	331.07	318.15	110.05	275.87	2.30	1,719.47
20 mph	735.36	65.21	333.99	550.82	529.05	183.03	458.09	3.83	2,859.39
25 mph	3,143.66	278.89	1,428.50	2,358.00	2,261.21	782.24	2,156.19	18.01	12,426.69
30 mph	3,068.93	272.34	1,395.31	2,306.14	2,208.09	763.93	1,741.84	14.52	11,771.11
35 mph	2,328.61	206.71	1,059.26	1,753.87	1,675.75	579.86	727.23	6.05	8,337.33
40 mph	752.15	66.77	342.13	566.64	540.78	187.14	781.89	6.50	3,244.00
45 mph	630.07	55.90	286.41	474.16	452.31	156.52	628.24	5.20	2,688.80
50 mph	648.99	57.57	294.87	488.67	465.65	161.06	1,050.08	8.69	3,175.58
55 mph	539.42	47.84	245.14	406.48	387.82	134.13	251.88	2.08	2,014.79
60 mph	1,111.33	98.68	506.01	840.11	806.97	279.10	261.95	2.17	3,906.31
65 mph	142.28	12.66	64.94	108.03	103.94	35.93	-	-	467.78
70 mph	-	-	-	-	-	-	-	-	-
total	14,895.04	1,321.71	6,771.78	11,198.21	10,723.53	3,710.07	9,344.93	77.74	58,043.01

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	111.83	9.92	50.82	175.18	208.82	72.28	-	-	628.85
15 mph	91.40	8.11	41.51	142.97	170.56	59.00	-	-	513.54
20 mph	76.02	6.74	34.53	118.93	141.81	49.06	825.82	6.90	1,259.81
25 mph	130.00	11.53	59.07	203.65	242.44	83.87	1,236.80	10.33	1,977.69
30 mph	230.74	20.48	104.91	362.13	430.45	148.92	1,884.06	15.71	3,197.39
35 mph	481.47	42.74	219.02	757.36	898.34	310.85	1,748.02	14.54	4,472.36
40 mph	518.39	46.02	235.80	815.63	966.36	334.41	1,550.51	12.89	4,480.01
45 mph	416.88	36.99	189.50	655.21	775.92	268.51	1,132.56	9.38	3,484.94
50 mph	483.08	42.85	219.48	759.67	898.67	310.84	582.47	4.82	3,301.88
55 mph	278.83	24.73	126.71	438.82	519.76	179.77	302.72	2.51	1,873.84
60 mph	172.34	15.30	78.47	272.09	324.45	112.21	22,037.16	182.22	23,194.24
65 mph	58.84	5.23	26.85	93.30	111.44	38.52	-	-	334.19
70 mph	2,739.71	244.43	1,246.55	4,400.97	5,205.69	1,792.51	-	-	15,629.85
total	5,789.54	515.07	2,633.23	9,195.90	10,894.70	3,760.75	31,300.12	259.29	64,348.60

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	374.77	131.59	508.49	8.56	1,023.40
15 mph	2,917.25	258.70	1,324.99	481.86	505.54	174.87	464.77	3.87	6,131.84
25 mph	-	-	-	-	682.38	236.06	1,445.13	12.07	2,375.64
35 mph	7,346.60	652.14	3,341.89	1,121.41	-	-	-	-	12,462.05
total	10,263.85	910.84	4,666.88	1,603.27	1,562.68	542.52	2,418.40	24.50	21,992.93

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	374.77	131.59	508.49	8.56	1,023.40
10 mph	1,464.00	129.86	665.28	1,189.39	1,182.62	409.36	1,011.69	8.39	6,060.60
15 mph	3,450.70	306.01	1,567.28	955.90	994.25	343.91	740.64	6.16	8,364.85
20 mph	811.38	71.96	368.52	669.75	670.86	232.09	1,283.91	10.72	4,119.20
25 mph	3,273.66	290.42	1,487.57	2,561.65	3,186.03	1,102.18	4,838.11	40.40	16,780.02
30 mph	3,299.68	292.82	1,500.22	2,668.27	2,638.54	912.85	3,625.90	30.23	14,968.51
35 mph	10,156.69	901.59	4,620.17	3,632.64	2,574.09	890.71	2,475.25	20.59	25,271.74
40 mph	1,270.55	112.78	577.93	1,382.27	1,507.14	521.55	2,332.40	19.39	7,724.01
45 mph	1,046.95	92.89	475.91	1,129.36	1,228.23	425.03	1,760.79	14.59	6,173.75
50 mph	1,132.07	100.42	514.35	1,248.34	1,364.33	471.90	1,632.55	13.51	6,477.46
55 mph	818.25	72.58	371.85	845.29	907.57	313.90	554.60	4.59	3,888.64
60 mph	1,283.67	113.98	584.47	1,112.20	1,131.42	391.31	22,299.10	184.38	27,100.54
65 mph	201.12	17.89	91.79	201.34	215.38	74.45	-	-	801.97
70 mph	2,739.71	244.43	1,246.55	4,400.97	5,205.69	1,792.51	-	-	15,629.85
total	30,948.43	2,747.62	14,071.89	21,997.37	23,180.91	8,013.34	43,063.45	361.52	144,384.54

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	11.96	0.05	4.76	26.71	538.49	416.17	3,357.61	10,178.63	14,534.38
15 mph	3.93	0.02	1.58	9.05	140.08	110.38	880.72	2,496.74	3,642.50
20 mph	6.46	0.03	2.59	15.03	239.11	188.53	1,504.23	4,147.72	6,103.70
25 mph	27.07	0.11	10.87	63.68	1,060.34	840.04	7,221.17	19,435.20	28,658.49
30 mph	25.80	0.11	10.34	60.63	1,060.53	834.39	5,764.58	15,483.80	23,240.16
35 mph	19.09	0.08	7.63	45.13	869.71	684.19	2,317.40	6,351.97	10,295.20
40 mph	5.96	0.02	2.37	14.08	282.35	220.02	2,359.52	6,437.69	9,322.01
45 mph	4.79	0.02	1.91	11.29	229.61	176.32	1,788.90	4,866.83	7,079.68
50 mph	4.81	0.02	1.91	11.36	240.92	183.00	2,868.01	7,670.93	10,980.95
55 mph	4.03	0.02	1.60	9.59	201.19	151.37	680.83	1,830.98	2,879.60
60 mph	8.73	0.03	3.46	20.77	406.15	303.62	727.20	1,940.92	3,410.89
65 mph	1.23	0.00	0.49	2.92	51.58	38.17	-	-	94.40
70 mph	-	-	-	-	-	-	-	-	-
total	123.85	0.50	49.51	290.25	5,320.06	4,146.21	29,470.18	80,841.42	120,241.97

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.99	0.00	0.39	4.61	115.47	89.24	-	-	210.71
15 mph	0.81	0.00	0.33	3.91	75.10	59.17	-	-	139.32
20 mph	0.67	0.00	0.27	3.25	64.09	50.53	2,711.75	7,477.32	10,307.89
25 mph	1.12	0.00	0.45	5.50	113.69	90.07	4,142.09	11,148.10	15,501.01
30 mph	1.94	0.01	0.78	9.52	206.74	162.66	6,235.26	16,748.08	23,364.99
35 mph	3.95	0.02	1.58	19.49	466.24	366.79	5,570.27	15,268.04	21,696.37
40 mph	4.10	0.02	1.64	20.27	504.54	393.16	4,679.00	12,766.12	18,368.85
45 mph	3.17	0.01	1.26	15.60	393.88	302.48	3,224.95	8,773.70	12,715.07
50 mph	3.58	0.01	1.42	17.66	464.95	353.17	1,590.87	4,255.01	6,686.67
55 mph	2.08	0.01	0.83	10.35	269.64	202.87	818.25	2,200.53	3,504.56
60 mph	1.35	0.01	0.54	6.73	163.30	122.08	61,178.29	163,286.91	224,759.20
65 mph	0.51	0.00	0.20	2.52	55.31	40.93	-	-	99.47
70 mph	25.46	0.10	9.86	127.01	2,606.83	1,928.68	-	-	4,697.95
total	49.73	0.19	19.54	246.42	5,499.78	4,161.83	90,150.74	241,923.82	342,052.06

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	260.94	290.52	1,261.72	2,143.57	3,956.76
15 mph	25.97	0.11	10.41	13.17	222.59	175.39	1,483.82	4,206.43	6,137.88
25 mph	-	-	-	-	319.99	253.51	4,839.82	13,025.99	18,439.30
35 mph	60.23	0.24	24.08	28.86	-	-	-	-	113.41
total	86.20	0.35	34.50	42.03	803.52	719.41	7,585.36	19,375.99	28,647.35

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	260.94	290.52	1,261.72	2,143.57	3,956.76
10 mph	12.95	0.05	5.15	31.33	653.97	505.41	3,357.61	10,178.63	14,745.10
15 mph	30.71	0.13	12.32	26.13	437.76	344.94	2,364.54	6,703.17	9,919.70
20 mph	7.12	0.03	2.86	18.28	303.20	239.06	4,215.98	11,625.05	16,411.59
25 mph	28.19	0.12	11.32	69.18	1,494.01	1,183.62	16,203.08	43,609.29	62,598.80
30 mph	27.74	0.11	11.12	70.15	1,267.27	997.04	11,999.84	32,231.88	46,605.15
35 mph	83.27	0.34	33.29	93.48	1,335.95	1,050.98	7,887.68	21,620.00	32,104.98
40 mph	10.06	0.04	4.01	34.35	786.89	613.18	7,038.52	19,203.81	27,690.87
45 mph	7.97	0.03	3.17	26.89	623.49	478.80	5,013.86	13,640.54	19,794.75
50 mph	8.39	0.03	3.33	29.02	705.86	536.17	4,458.87	11,925.95	17,667.63
55 mph	6.11	0.02	2.42	19.94	470.84	354.24	1,499.08	4,031.51	6,384.17
60 mph	10.08	0.04	4.00	27.49	569.45	425.70	61,905.49	165,227.83	228,170.09
65 mph	1.74	0.01	0.69	5.45	106.89	79.10	-	-	193.87
70 mph	25.46	0.10	9.86	127.01	2,606.83	1,928.68	-	-	4,697.95
total	259.78	1.05	103.54	578.69	11,623.36	9,027.45	127,206.28	342,141.23	490,941.38

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								916.14	916.14
15 mph								256.26	256.26
20 mph								447.32	447.32
25 mph								2,266.31	2,266.31
30 mph								1,947.39	1,947.39
35 mph								836.13	836.13
40 mph								892.44	892.44
45 mph								689.38	689.38
50 mph								1,086.12	1,086.12
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	9,337.47	9,337.47

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								806.41	806.41
25 mph								1,299.96	1,299.96
30 mph								2,106.40	2,106.40
35 mph								2,009.77	2,009.77
40 mph								1,769.72	1,769.72
45 mph								1,242.78	1,242.78
50 mph								602.46	602.46
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	6,222.54	6,222.54

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								130.28	130.28
15 mph								431.74	431.74
25 mph								1,518.94	1,518.94
35 mph								-	-
total	-	-	-	-	-	-	-	2,080.96	2,080.96

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								130.28	130.28
10 mph								916.14	916.14
15 mph								688.00	688.00
20 mph								1,253.73	1,253.73
25 mph								5,085.21	5,085.21
30 mph								4,053.80	4,053.80
35 mph								2,845.89	2,845.89
40 mph								2,662.16	2,662.16
45 mph								1,932.15	1,932.15
50 mph								1,688.58	1,688.58
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	21,255.94	21,255.94

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	635.71	422.11	1,770.21	2,282.42	5,110.45
10 mph	1,476.95	129.91	670.43	1,220.72	1,836.59	914.77	4,369.30	11,103.16	21,721.83
15 mph	3,481.42	306.13	1,579.59	982.03	1,432.01	688.85	3,105.18	7,397.33	18,972.55
20 mph	818.51	71.99	371.38	688.03	974.06	471.15	5,499.89	12,889.50	21,784.51
25 mph	3,301.84	290.54	1,498.89	2,630.83	4,680.04	2,285.79	21,041.19	48,734.90	84,464.03
30 mph	3,327.42	292.93	1,511.34	2,738.42	3,905.81	1,909.89	15,625.74	36,315.90	65,627.45
35 mph	10,239.96	901.92	4,653.47	3,726.12	3,910.04	1,941.68	10,362.93	24,486.49	60,222.62
40 mph	1,280.61	112.82	581.94	1,416.62	2,294.03	1,134.73	9,370.92	21,885.36	38,077.04
45 mph	1,054.92	92.92	479.08	1,156.25	1,851.72	903.83	6,774.65	15,587.27	27,900.65
50 mph	1,140.46	100.45	517.68	1,277.35	2,070.19	1,008.08	6,091.42	13,628.04	25,833.67
55 mph	824.36	72.60	374.27	865.23	1,378.41	668.14	2,053.69	4,036.10	10,272.80
60 mph	1,293.76	114.02	588.47	1,139.69	1,700.87	817.01	84,204.60	165,412.22	255,270.63
65 mph	202.85	17.90	92.47	206.78	322.27	153.56	-	-	995.84
70 mph	2,765.17	244.53	1,256.41	4,527.98	7,812.52	3,721.19	-	-	20,327.80
STREX	155.68	13.88	72.47	271.43	22.41	7.68	21.17	0.18	564.90
total	31,363.90	2,762.55	14,247.90	22,847.50	34,826.68	17,048.47	170,290.90	363,758.88	**657,146.76**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	48.49	56.96	60.19	74.58	17.97	20.47	35.57	43.71
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	155.68	13.88	72.47	271.43	22.41	7.68	21.17	0.18
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	155.68	13.88	72.47	271.43	22.41	7.68	21.17	0.18

World Logistics Center
Mobile Emissions - 2028 (Net) - Unmitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
31.72	1,013.17	504.40	6.63	8.89	128.94	80.92	218.75	8.48	31.65	31.62	71.75	6.46	88.59	27.60	716,895.12

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
5.79	184.90	92.05	1.21	1.62	23.53	14.77	39.92	1.55	5.78	5.77	13.09	1.18	16.17	5.04	130,833.36

World Logistics Center
Mobile Emissions - 2028 (Net) - Unmitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	1,876.16	20.20	75.47	65,107.55	701.15	2,618.96
LDT1	142.54	0.03	2.91	4,946.51	1.11	101.03
LDT2	703.81	6.06	18.20	24,424.16	210.23	631.50
MDT	1,760.54	51.26	46.17	26,953.78	784.85	706.92
LHDT1	595.52	528.18	-	13,527.29	11,997.72	-
LHDT2	177.97	362.28	-	4,042.70	8,229.20	-
MHDT	285.02	1,584.13	-	12,579.30	69,914.80	-
HHDT	2.07	2,937.28	177.36	91.32	129,635.65	7,827.74

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	46,060.32	496.03	1,852.78	19,047.22	205.12	766.18
LDT1	3,499.40	0.78	71.47	1,447.10	0.32	29.56
LDT2	17,278.87	148.73	446.76	7,145.29	61.50	184.75
MDT	14,462.91	421.14	379.32	12,490.87	363.72	327.60
LHDT1	6,528.07	5,789.92	-	6,999.22	6,207.80	-
LHDT2	1,950.95	3,971.29	-	2,091.75	4,257.91	-
MHDT	2,731.36	15,180.70	-	9,847.94	54,734.10	-
HHDT	19.83	28,147.97	1,699.65	71.49	101,487.68	6,128.09

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	2,303.02	174.97	863.94	723.15	326.40	97.55	163.88	1.19	4,654.10
15 mph	921.21	69.99	345.58	289.26	130.56	39.02	54.63	0.40	1,850.63
20 mph	1,842.41	139.98	691.15	578.52	261.12	78.04	109.25	0.79	3,701.27
25 mph	9,212.06	699.88	3,455.77	2,892.58	1,305.61	390.19	600.90	4.36	18,561.37
30 mph	10,133.27	769.87	3,801.35	3,181.84	1,436.18	429.21	546.27	3.97	20,301.95
35 mph	8,290.86	629.89	3,110.20	2,603.32	1,175.05	351.17	245.82	1.78	16,408.10
40 mph	2,763.62	209.96	1,036.73	867.77	391.68	117.06	273.14	1.98	5,661.95
45 mph	2,303.02	174.97	863.94	723.15	326.40	97.55	218.51	1.59	4,709.12
50 mph	2,303.02	174.97	863.94	723.15	326.40	97.55	355.08	2.58	4,846.68
55 mph	1,842.41	139.98	691.15	578.52	261.12	78.04	81.94	0.59	3,673.76
60 mph	3,684.83	279.95	1,382.31	1,157.03	522.25	156.08	81.94	0.59	7,264.98
65 mph	460.60	34.99	172.79	144.63	65.28	19.51	-	-	897.81
70 mph	-	-	-	-	-	-	-	-	-
total	46,060.32	3,499.40	17,278.87	14,462.91	6,528.07	1,950.95	2,731.36	19.83	92,531.71

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	190.47	14.47	71.45	124.91	69.99	20.92	-	-	492.21
15 mph	190.47	14.47	71.45	124.91	69.99	20.92	-	-	492.21
20 mph	190.47	14.47	71.45	124.91	69.99	20.92	196.96	1.43	690.60
25 mph	380.94	28.94	142.91	249.82	139.98	41.84	344.68	2.50	1,331.61
30 mph	761.89	57.88	285.81	499.63	279.97	83.67	590.88	4.29	2,564.02
35 mph	1,714.25	130.24	643.08	1,124.18	629.93	188.26	590.88	4.29	5,025.10
40 mph	1,904.72	144.71	714.53	1,249.09	699.92	209.18	541.64	3.93	5,467.71
45 mph	1,523.78	115.77	571.62	999.27	559.94	167.34	393.92	2.86	4,334.49
50 mph	1,714.25	130.24	643.08	1,124.18	629.93	188.26	196.96	1.43	4,628.32
55 mph	952.36	72.36	357.26	624.54	349.96	104.59	98.48	0.71	2,560.27
60 mph	571.42	43.41	214.36	374.73	209.98	62.75	6,893.56	50.05	8,420.25
65 mph	190.47	14.47	71.45	124.91	69.99	20.92	-	-	492.21
70 mph	8,761.72	665.67	3,286.83	5,745.80	3,219.64	962.21	-	-	22,641.87
total	19,047.22	1,447.10	7,145.29	12,490.87	6,999.22	2,091.75	9,847.94	71.49	59,140.89

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	40.97	12.24	18.68	0.19	72.08
15 mph	3,805.40	289.11	1,427.54	420.55	205.68	61.47	91.04	0.66	6,301.44
25 mph	-	-	-	-	390.63	116.74	398.37	2.89	908.63
35 mph	16,373.21	1,243.94	6,142.18	1,662.76	-	-	-	-	25,422.09
total	20,178.61	1,533.06	7,569.72	2,083.31	596.30	178.21	489.41	3.55	32,632.17

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	40.97	12.24	18.68	0.19	72.08
10 mph	2,493.49	189.44	935.40	848.05	396.40	118.46	163.88	1.19	5,146.31
15 mph	4,917.08	373.57	1,844.57	834.71	406.23	121.40	145.66	1.06	8,644.29
20 mph	2,032.89	154.45	762.61	703.42	331.11	98.96	306.21	2.22	4,391.87
25 mph	9,593.01	728.82	3,598.68	3,142.40	1,836.22	548.77	1,343.95	9.76	20,801.60
30 mph	10,895.16	827.75	4,087.16	3,681.47	1,716.14	512.88	1,137.15	8.26	22,865.98
35 mph	26,378.32	2,004.08	9,895.45	5,390.26	1,804.98	539.43	836.70	6.07	46,855.29
40 mph	4,668.34	354.67	1,751.26	2,116.86	1,091.61	326.23	814.77	5.92	11,129.67
45 mph	3,826.79	290.74	1,435.57	1,722.42	886.34	264.89	612.43	4.45	9,043.62
50 mph	4,017.27	305.21	1,507.02	1,847.32	956.33	285.81	552.04	4.01	9,475.00
55 mph	2,794.77	212.33	1,048.42	1,203.06	611.08	182.63	180.42	1.31	6,234.02
60 mph	4,256.24	323.37	1,596.67	1,531.76	732.22	218.83	6,975.50	50.64	15,685.23
65 mph	651.08	49.47	244.24	269.54	135.27	40.43	-	-	1,390.02
70 mph	8,761.72	665.67	3,286.83	5,745.80	3,219.64	962.21	-	-	22,641.87
total	85,286.16	6,479.56	31,993.88	29,037.08	14,123.59	4,220.91	13,068.71	94.88	184,304.77

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	24.80	0.04	7.44	21.06	289.50	198.56	910.84	1,688.88	3,141.11
15 mph	9.92	0.02	2.97	8.42	115.80	79.43	303.61	562.96	1,083.13
20 mph	19.84	0.03	5.95	16.85	231.60	158.85	607.23	1,125.92	2,166.26
25 mph	99.21	0.16	29.75	84.23	1,157.98	794.26	3,339.75	6,192.55	11,697.88
30 mph	109.13	0.17	32.72	92.65	1,273.78	873.68	3,036.14	5,629.59	11,047.87
35 mph	89.29	0.14	26.77	75.80	1,042.19	714.83	1,366.26	2,533.32	5,848.60
40 mph	29.76	0.05	8.92	25.27	347.40	238.28	1,518.07	2,814.80	4,982.54
45 mph	24.80	0.04	7.44	21.06	289.50	198.56	1,214.46	2,251.84	4,007.69
50 mph	24.80	0.04	7.44	21.06	289.50	198.56	1,973.49	3,659.24	6,174.12
55 mph	19.84	0.03	5.95	16.85	231.60	158.85	455.42	844.44	1,732.98
60 mph	39.68	0.06	11.90	33.69	463.19	317.70	455.42	844.44	2,166.09
65 mph	4.96	0.01	1.49	4.21	57.90	39.71	-	-	108.28
70 mph	-	-	-	-	-	-	-	-	-
total	496.03	0.78	148.73	421.14	5,789.92	3,971.29	15,180.70	28,147.97	54,156.56

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	2.05	0.00	0.62	3.64	62.08	42.58	-	-	110.96
15 mph	2.05	0.00	0.62	3.64	62.08	42.58	-	-	110.96
20 mph	2.05	0.00	0.62	3.64	62.08	42.58	1,094.68	2,029.75	3,235.40
25 mph	4.10	0.01	1.23	7.27	124.16	85.16	1,915.69	3,552.07	5,689.69
30 mph	8.20	0.01	2.46	14.55	248.31	170.32	3,284.05	6,089.26	9,817.16
35 mph	18.46	0.03	5.54	32.73	558.70	383.21	3,284.05	6,089.26	10,371.98
40 mph	20.51	0.03	6.15	36.37	620.78	425.79	3,010.38	5,581.82	9,701.84
45 mph	16.41	0.03	4.92	29.10	496.62	340.63	2,189.36	4,059.51	7,136.58
50 mph	18.46	0.03	5.54	32.73	558.70	383.21	1,094.68	2,029.75	4,123.11
55 mph	10.26	0.02	3.08	18.19	310.39	212.90	547.34	1,014.88	2,117.04
60 mph	6.15	0.01	1.85	10.91	186.23	127.74	38,313.87	71,041.38	109,688.14
65 mph	2.05	0.00	0.62	3.64	62.08	42.58	-	-	110.96
70 mph	94.36	0.15	28.29	167.31	2,855.59	1,958.64	-	-	5,104.33
total	205.12	0.32	61.50	363.72	6,207.80	4,257.91	54,734.10	101,487.68	167,318.15

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	36.33	24.92	103.79	192.46	357.51
15 mph	40.98	0.06	12.29	12.25	182.42	125.12	505.97	938.17	1,817.27
25 mph	-	-	-	-	346.46	237.63	2,214.11	4,105.39	6,903.59
35 mph	176.33	0.28	52.87	48.42	-	-	-	-	277.89
total	217.31	0.34	65.16	60.66	528.88	362.76	2,720.08	5,043.56	8,998.75

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	36.33	24.92	103.79	192.46	357.51
10 mph	26.85	0.04	8.05	24.69	351.57	241.14	910.84	1,688.88	3,252.08
15 mph	52.95	0.08	15.88	24.31	360.30	247.13	809.59	1,501.13	3,011.36
20 mph	21.89	0.03	6.56	20.48	293.67	201.43	1,701.91	3,155.67	5,401.66
25 mph	103.31	0.16	30.98	91.50	1,628.60	1,117.05	7,469.56	13,850.01	24,291.17
30 mph	117.33	0.19	35.18	107.20	1,522.10	1,044.00	6,320.19	11,718.85	20,865.03
35 mph	284.07	0.45	85.18	156.96	1,600.89	1,098.04	4,650.31	8,622.58	16,498.47
40 mph	50.27	0.08	15.07	61.64	968.18	664.07	4,528.45	8,396.62	14,684.38
45 mph	41.21	0.07	12.36	50.15	786.12	539.20	3,403.82	6,311.34	11,144.27
50 mph	43.26	0.07	12.97	53.79	848.20	581.78	3,068.17	5,688.99	10,297.23
55 mph	30.10	0.05	9.02	35.03	541.99	371.75	1,002.76	1,859.32	3,850.01
60 mph	45.84	0.07	13.74	44.60	649.43	445.44	38,769.29	71,885.82	111,854.23
65 mph	7.01	0.01	2.10	7.85	119.98	82.29	-	-	219.24
70 mph	94.36	0.15	28.29	167.31	2,855.59	1,958.64	-	-	5,104.33
total	918.46	1.45	275.39	845.52	12,526.60	8,591.96	72,634.88	134,679.21	230,473.46

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	92.64	3.57	22.34	18.97	-	-	-	101.98	239.50
15 mph	37.06	1.43	8.94	7.59	-	-	-	33.99	89.00
20 mph	74.11	2.86	17.87	15.17	-	-	-	67.99	178.00
25 mph	370.56	14.29	89.35	75.86	-	-	-	373.92	923.99
30 mph	407.61	15.72	98.29	83.45	-	-	-	339.93	945.00
35 mph	333.50	12.86	80.42	68.28	-	-	-	152.97	648.03
40 mph	111.17	4.29	26.81	22.76	-	-	-	169.96	334.98
45 mph	92.64	3.57	22.34	18.97	-	-	-	135.97	273.49
50 mph	92.64	3.57	22.34	18.97	-	-	-	220.95	358.47
55 mph	74.11	2.86	17.87	15.17	-	-	-	50.99	161.00
60 mph	148.22	5.72	35.74	30.35	-	-	-	50.99	271.02
65 mph	18.53	0.71	4.47	3.79	-	-	-	-	27.50
70 mph	-	-	-	-	-	-	-	-	-
total	1,852.78	71.47	446.76	379.32	-	-	-	1,699.65	4,449.98

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	7.66	0.30	1.85	3.28	-	-	-	-	13.08
15 mph	7.66	0.30	1.85	3.28	-	-	-	-	13.08
20 mph	7.66	0.30	1.85	3.28	-	-	-	122.56	135.64
25 mph	15.32	0.59	3.69	6.55	-	-	-	214.48	240.64
30 mph	30.65	1.18	7.39	13.10	-	-	-	367.69	420.01
35 mph	68.96	2.66	16.63	29.48	-	-	-	367.69	485.41
40 mph	76.62	2.96	18.47	32.76	-	-	-	337.04	467.85
45 mph	61.29	2.36	14.78	26.21	-	-	-	245.12	349.77
50 mph	68.96	2.66	16.63	29.48	-	-	-	122.56	240.29
55 mph	38.31	1.48	9.24	16.38	-	-	-	61.28	126.68
60 mph	22.99	0.89	5.54	9.83	-	-	-	4,289.66	4,328.91
65 mph	7.66	0.30	1.85	3.28	-	-	-	-	13.08
70 mph	352.44	13.60	84.98	150.70	-	-	-	-	601.72
total	766.18	29.56	184.75	327.60	-	-	-	6,128.09	7,436.17

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	11.62	11.62
15 mph	153.07	5.90	36.91	11.03	-	-	-	56.65	263.57
25 mph	-	-	-	-	-	-	-	247.89	247.89
35 mph	658.61	25.41	158.81	43.61	-	-	-	-	886.44
total	811.69	31.31	195.72	54.64	-	-	-	304.54	1,397.90

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	11.62	11.62
10 mph	100.30	3.87	24.19	22.24	-	-	-	101.98	252.58
15 mph	197.79	7.63	47.69	21.89	-	-	-	90.64	365.65
20 mph	81.77	3.15	19.72	18.45	-	-	-	190.55	313.64
25 mph	385.88	14.89	93.05	82.42	-	-	-	836.30	1,412.53
30 mph	438.26	16.91	105.68	96.55	-	-	-	707.61	1,365.01
35 mph	1,061.07	40.93	255.85	141.37	-	-	-	520.65	2,019.88
40 mph	187.78	7.24	45.28	55.52	-	-	-	507.01	802.84
45 mph	153.93	5.94	37.12	45.17	-	-	-	381.10	623.26
50 mph	161.59	6.23	38.97	48.45	-	-	-	343.52	598.76
55 mph	112.42	4.34	27.11	31.55	-	-	-	112.27	287.69
60 mph	171.21	6.60	41.28	40.17	-	-	-	4,340.65	4,599.92
65 mph	26.19	1.01	6.32	7.07	-	-	-	-	40.58
70 mph	352.44	13.60	84.98	150.70	-	-	-	-	601.72
total	2,265.07	87.38	546.17	382.92	-	-	-	2,447.74	13,284.04

World Logistics Center
Mobile Emissions - 2028 (Net) - Unmitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	18854	330	0.21	3959.3	3767.2	40.6	151.5
	LDT1	15	1391	330	0.21	292.1	286.2	0.1	5.8
	LDT2	15	6962	330	0.21	1461.9	1413.2	12.2	36.5
	MDT	15	2097	330	0.21	440.5	417.4	12.2	10.9
	LHDT1	15	1843	330	0.21	387.0	205.1	181.9	0.0
	LHDT2	15	886	330	0.21	186.1	61.3	124.8	0.0
	MHDT	15	2821	330	0.21	592.4	90.3	502.1	0.0
	HHDT	15	4704	330	0.21	987.9	0.7	931.0	56.2
Travel at Light Logistics	LDA	15	135	175	0.11	14.9	14.2	0.2	0.6
	LDT1	15	10	175	0.11	1.1	1.1	0.0	0.0
	LDT2	15	50	175	0.11	5.5	5.3	0.0	0.1
	MDT	15	13	175	0.11	1.4	1.3	0.0	0.0
	LHDT1	15	7	175	0.11	0.8	0.4	0.4	0.0
	LHDT2	15	4	175	0.11	0.4	0.1	0.3	0.0
	MHDT	15	9	175	0.11	1.0	0.2	0.9	0.0
	HHDT	15	15	175	0.11	1.7	0.0	1.6	0.1
Travel at Utility	LDA	15	153	100	0.06	9.2	8.7	0.1	0.4
	LDT1	15	11	100	0.06	0.7	0.7	0.0	0.0
	LDT2	15	57	100	0.06	3.4	3.3	0.0	0.1
	MDT	15	33	100	0.06	2.0	1.9	0.1	0.0
	LHDT1	15	5	100	0.06	0.3	0.2	0.1	0.0
	LHDT2	15	2	100	0.06	0.1	0.0	0.1	0.0
	MHDT	15	9	100	0.06	0.6	0.1	0.5	0.0
	HHDT	15	16	100	0.06	1.0	0.0	0.9	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	99	50	0.03	3.0	0.5	2.5	0.0
	HHDT	15	166	50	0.03	5.0	0.0	4.7	0.3
Travel at Convenience Store	LDA	15	468	50	0.03	14.0	13.4	0.1	0.5
	LDT1	15	35	50	0.03	1.0	1.0	0.0	0.0
	LDT2	15	173	50	0.03	5.2	5.0	0.0	0.1
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	66	50	0.03	2.0	1.9	0.0	0.1
	LDT1	15	5	50	0.03	0.1	0.1	0.0	0.0
	LDT2	15	25	50	0.03	0.7	0.7	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	3805.4	289.1	1427.5	420.5	205.7	61.5	91.0	0.7
Diesel	41.0	0.1	12.3	12.2	182.4	125.1	506.0	938.2
Electric/Natural Gas (HHDT Only)	153.1	5.9	36.9	11.0	0.0	0.0	0.0	56.6

World Logistics Center
Mobile Emissions - 2028 (Net) - Unmitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	921	488	433	0	2441.5	2165.5	0.0
	LHDT2	5	443	146	297	0	729.7	1485.3	0.0
	MHDT	5	1411	215	1195	0	1075.5	5977.5	0.0
	HHDT	5	2352	2	2217	134	7.8	11083.4	669.2
Travel at Light Logistics	LHDT1	5	4	2	2	0	9.8	8.7	0.0
	LHDT2	5	2	1	1	0	2.9	6.0	0.0
	MHDT	5	5	1	4	0	3.5	19.3	0.0
	HHDT	5	8	0	7	0	0.0	35.8	2.2
Travel at Utility	LHDT1	5	2	1	1	0	6.6	5.9	0.0
	LHDT2	5	1	0	1	0	2.0	4.0	0.0
	MHDT	5	5	1	4	0	3.6	20.1	0.0
	HHDT	5	8	0	7	0	0.0	37.3	2.3
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	50	8	42	0	37.9	210.7	0.0
	HHDT	5	83	0	78	5	0.3	390.8	23.6
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	41.0	12.2	18.7	0.2
Diesel	36.3	24.9	103.8	192.5
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	11.6

World Logistics Center
Mobile Emissions - 2028 (Net) - Unmitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					15.4438	15.5988	27.0724	11.4688
10 mph	0.0219	0.0566	0.0397	0.0492	0.0596	0.0441	0.1075	1.4668
15 mph	0.0147	0.0385	0.0268	0.0331	0.0406	0.0298	0.0721	0.9725
20 mph	0.0104	0.0277	0.0190	0.0235	0.0298	0.0213	0.0512	0.6885
25 mph	0.0076	0.0207	0.0141	0.0175	0.0225	0.0158	0.0375	0.5107
30 mph	0.0059	0.0163	0.0110	0.0136	0.0179	0.0124	0.0288	0.4003
35 mph	0.0048	0.0135	0.0090	0.0112	0.0151	0.0102	0.0235	0.3318
40 mph	0.0042	0.0118	0.0078	0.0097	0.0134	0.0090	0.0205	0.2901
45 mph	0.0038	0.0108	0.0071	0.0089	0.0126	0.0083	0.0187	0.2670
50 mph	0.0037	0.0104	0.0068	0.0086	0.0123	0.0080	0.0181	0.2584
55 mph	0.0037	0.0104	0.0069	0.0087	0.0128	0.0082	0.0186	0.2643
60 mph	0.0039	0.0108	0.0072	0.0091	0.0137	0.0088	0.0199	0.2827
65 mph	0.0044	0.0119	0.0079	0.0101	0.0156	0.0100		
70 mph	0.0046	0.0140	0.0083	0.0109	0.0163	0.0095		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5229	2.3631
10 mph	0.0966	0.3958	0.1943	0.1010	0.5470	0.5490	0.0352	0.0822
15 mph	0.0489	0.2596	0.0953	0.0498	0.2787	0.2791	0.0196	0.0469
20 mph	0.0209	0.1773	0.0375	0.0201	0.1232	0.1225	0.0130	0.0291
25 mph	0.0132	0.1371	0.0227	0.0125	0.0797	0.0789	0.0102	0.0243
30 mph	0.0101	0.1136	0.0172	0.0096	0.0625	0.0617	0.0082	0.0197
35 mph	0.0082	0.0988	0.0137	0.0077	0.0521	0.0511	0.0068	0.0161
40 mph	0.0069	0.0897	0.0113	0.0065	0.0451	0.0440	0.0058	0.0138
45 mph	0.0061	0.0850	0.0096	0.0056	0.0403	0.0391	0.0053	0.0127
50 mph	0.0055	0.0845	0.0084	0.0049	0.0375	0.0362	0.0053	0.0127
55 mph	0.0051	0.0880	0.0074	0.0045	0.0356	0.0343	0.0058	0.0141
60 mph	0.0051	0.0956	0.0071	0.0043	0.0359	0.0345	0.0068	0.0163
65 mph	0.0053	0.1094	0.0072	0.0045	0.0406	0.0385		
70 mph	0.0054	0.1272	0.0073	0.0049	0.0633	0.0554		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0661
10 mph								0.5426
15 mph								0.3411
20 mph								0.2197
25 mph								0.1622
30 mph								0.1237
35 mph								0.0948
40 mph								0.0733
45 mph								0.0575
50 mph								0.0461
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1113	0.0218	0.0756	0.0784	0.0429	0.0095	0.0389	0.0038	0.3822
15 mph	0.0299	0.0059	0.0204	0.0211	0.0117	0.0026	0.0087	0.0009	0.1012
20 mph	0.0421	0.0085	0.0290	0.0300	0.0171	0.0037	0.0123	0.0012	0.1440
25 mph	0.1549	0.0320	0.1073	0.1115	0.0647	0.0136	0.0497	0.0049	0.5387
30 mph	0.1320	0.0277	0.0919	0.0957	0.0566	0.0117	0.0347	0.0035	0.4538
35 mph	0.0880	0.0187	0.0614	0.0642	0.0390	0.0079	0.0127	0.0013	0.2934
40 mph	0.0254	0.0054	0.0178	0.0186	0.0116	0.0023	0.0124	0.0013	0.0948
45 mph	0.0195	0.0042	0.0136	0.0143	0.0090	0.0018	0.0090	0.0009	0.0722
50 mph	0.0188	0.0040	0.0130	0.0137	0.0089	0.0017	0.0141	0.0015	0.0757
55 mph	0.0152	0.0032	0.0105	0.0111	0.0073	0.0014	0.0034	0.0003	0.0525
60 mph	0.0320	0.0067	0.0220	0.0233	0.0157	0.0030	0.0036	0.0004	0.1068
65 mph	0.0044	0.0009	0.0030	0.0032	0.0022	0.0004	-	-	0.0142
70 mph	-	-	-	-	-	-	-	-	-
total	0.6734	0.1392	0.4656	0.4852	0.2869	0.0597	0.1995	0.0200	2.3296

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0092	0.0018	0.0063	0.0135	0.0092	0.0020	-	-	0.0420
15 mph	0.0062	0.0012	0.0042	0.0091	0.0063	0.0014	-	-	0.0284
20 mph	0.0043	0.0009	0.0030	0.0065	0.0046	0.0010	0.0222	0.0022	0.0447
25 mph	0.0064	0.0013	0.0044	0.0096	0.0069	0.0015	0.0285	0.0028	0.0615
30 mph	0.0099	0.0021	0.0069	0.0150	0.0110	0.0023	0.0376	0.0038	0.0886
35 mph	0.0182	0.0039	0.0127	0.0277	0.0209	0.0043	0.0306	0.0031	0.1214
40 mph	0.0175	0.0038	0.0123	0.0268	0.0207	0.0042	0.0245	0.0025	0.1123
45 mph	0.0129	0.0028	0.0090	0.0197	0.0155	0.0031	0.0162	0.0017	0.0808
50 mph	0.0140	0.0030	0.0097	0.0213	0.0171	0.0033	0.0078	0.0008	0.0771
55 mph	0.0079	0.0017	0.0054	0.0120	0.0098	0.0019	0.0040	0.0004	0.0432
60 mph	0.0050	0.0010	0.0034	0.0076	0.0063	0.0012	0.3031	0.0312	0.3588
65 mph	0.0018	0.0004	0.0012	0.0028	0.0024	0.0005	-	-	0.0091
70 mph	0.0888	0.0206	0.0599	0.1386	0.1157	0.0202	-	-	0.4437
total	0.2021	0.0444	0.1385	0.3103	0.2466	0.0467	0.4746	0.0485	1.5116

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.3950	0.4211	1.1148	0.0049	2.9358
15 mph	0.1234	0.0245	0.0843	0.0307	0.0184	0.0040	0.0145	0.0014	0.3013
25 mph	-	-	-	-	0.0194	0.0041	0.0330	0.0033	0.0597
35 mph	0.1737	0.0370	0.1213	0.0410	-	-	-	-	0.3731
total	0.2972	0.0616	0.2056	0.0718	1.4328	0.4292	1.1622	0.0096	3.6699

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.3950	0.4211	1.1148	0.0049	2.9358
10 mph	0.1205	0.0236	0.0819	0.0919	0.0521	0.0115	0.0389	0.0038	0.4242
15 mph	0.1595	0.0317	0.1089	0.0610	0.0364	0.0080	0.0232	0.0023	0.4309
20 mph	0.0464	0.0094	0.0320	0.0365	0.0217	0.0046	0.0346	0.0034	0.1887
25 mph	0.1613	0.0333	0.1117	0.1211	0.0910	0.0192	0.1112	0.0110	0.6598
30 mph	0.1419	0.0298	0.0988	0.1107	0.0676	0.0140	0.0723	0.0073	0.5424
35 mph	0.2799	0.0597	0.1955	0.1330	0.0599	0.0122	0.0433	0.0044	0.7879
40 mph	0.0430	0.0092	0.0300	0.0454	0.0323	0.0065	0.0369	0.0038	0.2071
45 mph	0.0324	0.0069	0.0226	0.0339	0.0246	0.0049	0.0252	0.0026	0.1531
50 mph	0.0327	0.0070	0.0227	0.0351	0.0259	0.0051	0.0220	0.0023	0.1528
55 mph	0.0230	0.0049	0.0160	0.0231	0.0172	0.0033	0.0074	0.0008	0.0957
60 mph	0.0370	0.0077	0.0255	0.0309	0.0221	0.0043	0.3067	0.0316	0.4656
65 mph	0.0062	0.0013	0.0043	0.0060	0.0047	0.0009	-	-	0.0234
70 mph	0.0888	0.0206	0.0599	0.1386	0.1157	0.0202	-	-	0.4437
total	1.1727	0.2452	0.8097	0.8672	1.9662	0.5356	1.8364	0.0781	7.5111

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0053	0.0000	0.0032	0.0047	0.3491	0.2404	0.0708	0.3062	0.9797
15 mph	0.0011	0.0000	0.0006	0.0009	0.0712	0.0489	0.0131	0.0582	0.1940
20 mph	0.0009	0.0000	0.0005	0.0007	0.0629	0.0429	0.0175	0.0723	0.1977
25 mph	0.0029	0.0000	0.0015	0.0023	0.2034	0.1382	0.0751	0.3319	0.7554
30 mph	0.0024	0.0000	0.0012	0.0020	0.1756	0.1189	0.0551	0.2441	0.5995
35 mph	0.0016	0.0000	0.0008	0.0013	0.1198	0.0805	0.0204	0.0898	0.3143
40 mph	0.0005	0.0000	0.0002	0.0004	0.0346	0.0231	0.0195	0.0859	0.1640
45 mph	0.0003	0.0000	0.0002	0.0003	0.0257	0.0171	0.0143	0.0632	0.1211
50 mph	0.0003	0.0000	0.0001	0.0002	0.0239	0.0159	0.0233	0.1028	0.1666
55 mph	0.0002	0.0000	0.0001	0.0002	0.0182	0.0120	0.0059	0.0262	0.0627
60 mph	0.0004	0.0000	0.0002	0.0003	0.0367	0.0241	0.0068	0.0304	0.0990
65 mph	0.0001	0.0000	0.0000	0.0000	0.0052	0.0034	-	-	0.0087
70 mph	-	-	-	-	-	-	-	-	-
total	0.0160	0.0002	0.0087	0.0133	1.1263	0.7653	0.3217	1.4111	3.6626

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0004	0.0000	0.0003	0.0008	0.0749	0.0515	-	-	0.1279
15 mph	0.0002	0.0000	0.0001	0.0004	0.0381	0.0262	-	-	0.0651
20 mph	0.0001	0.0000	0.0001	0.0002	0.0169	0.0115	0.0315	0.1304	0.1905
25 mph	0.0001	0.0000	0.0001	0.0002	0.0218	0.0148	0.0431	0.1904	0.2705
30 mph	0.0002	0.0000	0.0001	0.0003	0.0342	0.0232	0.0596	0.2641	0.3817
35 mph	0.0003	0.0000	0.0002	0.0006	0.0642	0.0432	0.0491	0.2159	0.3734
40 mph	0.0003	0.0000	0.0002	0.0005	0.0618	0.0413	0.0386	0.1703	0.3129
45 mph	0.0002	0.0000	0.0001	0.0004	0.0441	0.0294	0.0257	0.1139	0.2138
50 mph	0.0002	0.0000	0.0001	0.0004	0.0462	0.0306	0.0129	0.0570	0.1474
55 mph	0.0001	0.0000	0.0001	0.0002	0.0243	0.0161	0.0071	0.0315	0.0793
60 mph	0.0001	0.0000	0.0000	0.0001	0.0147	0.0097	0.5755	2.5551	3.1552
65 mph	0.0000	0.0000	0.0000	0.0000	0.0056	0.0036	-	-	0.0092
70 mph	0.0011	0.0000	0.0005	0.0018	0.3987	0.2395	-	-	0.6416
total	0.0035	0.0001	0.0017	0.0058	0.8456	0.5405	0.8430	3.7286	5.9688

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2542	0.1744	0.1197	1.0028	1.5510
15 mph	0.0044	0.0000	0.0026	0.0013	0.1121	0.0770	0.0219	0.0970	0.3164
25 mph	-	-	-	-	0.0609	0.0413	0.0498	0.2201	0.3720
35 mph	0.0032	0.0001	0.0016	0.0008	-	-	-	-	0.0057
total	0.0076	0.0001	0.0042	0.0022	0.4272	0.2927	0.1913	1.3199	2.2451

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2542	0.1744	0.1197	1.0028	1.5510
10 mph	0.0057	0.0000	0.0034	0.0055	0.4240	0.2919	0.0708	0.3062	1.1076
15 mph	0.0057	0.0000	0.0033	0.0027	0.2214	0.1521	0.0350	0.1553	0.5755
20 mph	0.0010	0.0000	0.0005	0.0009	0.0798	0.0544	0.0490	0.2027	0.3883
25 mph	0.0030	0.0000	0.0015	0.0025	0.2861	0.1944	0.1679	0.7424	1.3978
30 mph	0.0026	0.0000	0.0013	0.0023	0.2099	0.1420	0.1148	0.5082	0.9812
35 mph	0.0051	0.0001	0.0026	0.0027	0.1840	0.1237	0.0695	0.3058	0.6934
40 mph	0.0008	0.0000	0.0004	0.0009	0.0963	0.0644	0.0580	0.2562	0.4770
45 mph	0.0005	0.0000	0.0003	0.0006	0.0698	0.0465	0.0400	0.1771	0.3349
50 mph	0.0005	0.0000	0.0002	0.0006	0.0702	0.0465	0.0362	0.1599	0.3140
55 mph	0.0003	0.0000	0.0001	0.0003	0.0425	0.0281	0.0129	0.0577	0.1420
60 mph	0.0005	0.0000	0.0002	0.0004	0.0514	0.0338	0.5823	2.5855	3.2542
65 mph	0.0001	0.0000	0.0000	0.0001	0.0107	0.0070	-	-	0.0179
70 mph	0.0011	0.0000	0.0005	0.0018	0.3987	0.2395	-	-	0.6416
total	0.0271	0.0004	0.0145	0.0213	2.3990	1.5986	1.3559	6.4596	11.8764

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1220	0.1220
15 mph								0.0256	0.0256
20 mph								0.0329	0.0329
25 mph								0.1338	0.1338
30 mph								0.0927	0.0927
35 mph								0.0320	0.0320
40 mph								0.0275	0.0275
45 mph								0.0172	0.0172
50 mph								0.0225	0.0225
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.5061	0.5061

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0594	0.0594
25 mph								0.0767	0.0767
30 mph								0.1003	0.1003
35 mph								0.0769	0.0769
40 mph								0.0545	0.0545
45 mph								0.0311	0.0311
50 mph								0.0125	0.0125
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.3132	0.3132

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0017	0.0017
15 mph								0.0426	0.0426
25 mph								0.0887	0.0887
35 mph								-	-
total	-	-	-	-	-	-	-	0.1330	0.1330

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0017	0.0017
10 mph								0.1220	0.1220
15 mph								0.0682	0.0682
20 mph								0.0923	0.0923
25 mph								0.2992	0.2992
30 mph								0.1930	0.1930
35 mph								0.1088	0.1088
40 mph								0.0819	0.0819
45 mph								0.0483	0.0483
50 mph								0.0349	0.0349
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.0503	1.0503

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2901	0.8375	0.5063	0.5582	0.8961	0.7942	0.4774	0.9126
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS/HOT SOAK Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.2000	0.2632	0.7857	2.1668	1.1767	0.3117	0.3000	0.0042
Electric/NG	-	-	-	-	-	-	-	-
Total	**1.2000**	**0.2632**	**0.7857**	**2.1668**	**1.1767**	**0.3117**	**0.3000**	**0.0042**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3538	0.7493	0.5851	0.7324	0.0736	0.0680	0.0544	0.0754
Electric/NG	0.0315	0.0313	0.0314	0.0314	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.7319	0.1177	0.4540	1.4215	0.0483	0.0133	0.0171	0.0002
Electric/NG	0.0026	0.0001	0.0006	0.0016	-	-	-	-
Total	0.7345	0.1178	0.4546	1.4231	0.0483	0.0133	0.0171	0.0002

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1479	0.2183	0.2108	0.2573	0.0860	0.0862	0.1717	0.0015
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.6120	0.0686	0.3272	0.9987	0.1129	0.0338	0.1079	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.6120	0.0686	0.3272	0.9987	0.1129	0.0338	0.1079	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.6492	0.5955	1.2345	1.0094	4.4885
10 mph	0.1262	0.0237	0.0853	0.0974	0.4761	0.3035	0.1096	0.4320	1.6539
15 mph	0.1652	0.0318	0.1122	0.0637	0.2578	0.1601	0.0581	0.2257	1.0746
20 mph	0.0474	0.0094	0.0325	0.0374	0.1015	0.0590	0.0835	0.2983	0.6692
25 mph	0.1643	0.0334	0.1133	0.1236	0.3771	0.2135	0.2791	1.0525	2.3568
30 mph	0.1445	0.0298	0.1001	0.1130	0.2775	0.1560	0.1871	0.7085	1.7166
35 mph	0.2850	0.0598	0.1980	0.1356	0.2439	0.1358	0.1128	0.4191	1.5901
40 mph	0.0437	0.0092	0.0304	0.0463	0.1287	0.0709	0.0949	0.3419	0.7660
45 mph	0.0329	0.0069	0.0228	0.0346	0.0944	0.0513	0.0652	0.2280	0.5362
50 mph	0.0332	0.0070	0.0230	0.0356	0.0961	0.0515	0.0582	0.1970	0.5017
55 mph	0.0234	0.0049	0.0161	0.0235	0.0597	0.0314	0.0203	0.0584	0.2377
60 mph	0.0375	0.0077	0.0257	0.0313	0.0735	0.0381	0.8890	2.6170	3.7198
65 mph	0.0063	0.0013	0.0043	0.0061	0.0154	0.0079	-	-	0.0413
70 mph	0.0899	0.0206	0.0604	0.1404	0.5144	0.2596	-	-	1.0854
RUNLOSS HO	1.2000	0.2632	0.7857	2.1668	1.1767	0.3117	0.3000	0.0042	6.2084
RESTLOSS DIU	0.7345	0.1178	0.4546	1.4231	0.0483	0.0133	0.0171	0.0002	2.8090
STREX	0.6120	0.0686	0.3272	0.9987	0.1129	0.0338	0.1079	0.0000	2.2611
total	3.7463	0.6953	2.3917	5.4771	5.7032	2.4931	3.6174	7.5924	**31.7164**

World Logistics Center
Mobile Emissions - 2028 (Net) - Unmitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.3469	1.3595	2.4050	27.4758
10 mph	0.0388	0.0985	0.0747	0.0905	0.1616	0.1744	0.3247	4.8734
15 mph	0.0341	0.0848	0.0650	0.0788	0.1426	0.1531	0.2885	4.3102
20 mph	0.0306	0.0751	0.0580	0.0704	0.1318	0.1392	0.2618	3.9256
25 mph	0.0278	0.0674	0.0522	0.0636	0.1218	0.1272	0.2368	3.6109
30 mph	0.0256	0.0619	0.0479	0.0586	0.1151	0.1186	0.2168	3.3849
35 mph	0.0241	0.0581	0.0448	0.0551	0.1108	0.1126	0.2024	3.2273
40 mph	0.0229	0.0556	0.0427	0.0527	0.1077	0.1081	0.1939	3.1130
45 mph	0.0222	0.0543	0.0415	0.0512	0.1058	0.1052	0.1868	3.0415
50 mph	0.0220	0.0545	0.0412	0.0510	0.1060	0.1040	0.1847	3.0202
55 mph	0.0223	0.0564	0.0422	0.0523	0.1088	0.1058	0.1881	3.0717
60 mph	0.0232	0.0600	0.0444	0.0550	0.1127	0.1098	0.1949	3.1730
65 mph	0.0243	0.0644	0.0468	0.0582	0.1190	0.1152		
70 mph	0.0250	0.0728	0.0477	0.0620	0.1335	0.1164		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					43.6794	44.0634	34.3727	28.8553
10 mph	0.0750	0.5605	0.1263	0.0742	0.7330	0.7069	5.1353	11.7141
15 mph	0.0554	0.5628	0.0856	0.0520	0.6207	0.6032	3.6127	7.7344
20 mph	0.0417	0.5717	0.0575	0.0371	0.6086	0.5824	2.8719	5.3714
25 mph	0.0355	0.5846	0.0446	0.0306	0.6038	0.5742	2.2465	4.5388
30 mph	0.0323	0.6002	0.0379	0.0275	0.6316	0.5942	1.6871	3.4150
35 mph	0.0301	0.6147	0.0334	0.0257	0.6807	0.6300	1.2410	2.6205
40 mph	0.0290	0.6364	0.0303	0.0244	0.7225	0.6624	0.9086	1.9344
45 mph	0.0285	0.6617	0.0279	0.0233	0.7526	0.6878	0.6900	1.4878
50 mph	0.0283	0.6844	0.0262	0.0230	0.7964	0.7256	0.5893	1.2255
55 mph	0.0280	0.7133	0.0249	0.0225	0.8096	0.7409	0.6034	1.2620
60 mph	0.0285	0.7407	0.0244	0.0226	0.8232	0.7527	0.7318	1.5072
65 mph	0.0287	0.7548	0.0247	0.0235	0.9272	0.8395		
70 mph	0.0302	0.7268	0.0266	0.0284	1.7084	1.4154		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								32.8306
10 mph								3.2294
15 mph								2.4007
20 mph								1.8759
25 mph								1.6081
30 mph								1.4483
35 mph								1.3320
40 mph								1.2448
45 mph								1.1792
50 mph								1.1311
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1969	0.0380	0.1422	0.1444	0.1163	0.0375	0.1173	0.0128	0.8054
15 mph	0.0693	0.0131	0.0496	0.0503	0.0411	0.0132	0.0348	0.0038	0.2750
20 mph	0.1243	0.0232	0.0883	0.0898	0.0759	0.0240	0.0631	0.0069	0.4954
25 mph	0.5640	0.1040	0.3975	0.4054	0.3507	0.1094	0.3137	0.0347	2.2796
30 mph	0.5730	0.1051	0.4017	0.4114	0.3646	0.1123	0.2612	0.0296	2.2589
35 mph	0.4397	0.0807	0.3071	0.3161	0.2872	0.0872	0.1097	0.0127	1.6404
40 mph	0.1398	0.0258	0.0976	0.1008	0.0930	0.0279	0.1168	0.0136	0.6153
45 mph	0.1130	0.0210	0.0791	0.0817	0.0762	0.0226	0.0900	0.0106	0.4941
50 mph	0.1116	0.0210	0.0785	0.0813	0.0763	0.0224	0.1446	0.0172	0.5530
55 mph	0.0906	0.0174	0.0644	0.0667	0.0626	0.0182	0.0340	0.0040	0.3579
60 mph	0.1888	0.0371	0.1355	0.1403	0.1298	0.0378	0.0352	0.0042	0.7086
65 mph	0.0246	0.0050	0.0178	0.0185	0.0171	0.0050	-	-	0.0881
70 mph	-	-	-	-	-	-	-	-	-
total	2.6358	0.4913	1.8593	1.9067	1.6908	0.5174	1.3204	0.1501	10.5717

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0163	0.0031	0.0118	0.0249	0.0249	0.0080	-	-	0.0891
15 mph	0.0143	0.0027	0.0102	0.0217	0.0220	0.0071	-	-	0.0781
20 mph	0.0129	0.0024	0.0091	0.0194	0.0203	0.0064	0.1137	0.0124	0.1966
25 mph	0.0233	0.0043	0.0164	0.0350	0.0376	0.0117	0.1800	0.0199	0.3283
30 mph	0.0431	0.0079	0.0302	0.0646	0.0711	0.0219	0.2825	0.0320	0.5533
35 mph	0.0909	0.0167	0.0635	0.1365	0.1540	0.0467	0.2637	0.0305	0.8025
40 mph	0.0964	0.0177	0.0673	0.1450	0.1662	0.0499	0.2316	0.0270	0.8011
45 mph	0.0747	0.0139	0.0523	0.1129	0.1306	0.0388	0.1622	0.0192	0.6047
50 mph	0.0831	0.0157	0.0584	0.1265	0.1473	0.0432	0.0802	0.0095	0.5638
55 mph	0.0468	0.0090	0.0333	0.0720	0.0839	0.0244	0.0409	0.0048	0.3151
60 mph	0.0293	0.0057	0.0210	0.0454	0.0522	0.0152	2.9628	0.3501	3.4818
65 mph	0.0102	0.0021	0.0074	0.0160	0.0184	0.0053	-	-	0.0593
70 mph	0.4828	0.1069	0.3456	0.7853	0.9477	0.2471	-	-	2.9153
total	1.0241	0.2081	0.7266	1.6053	1.8763	0.5257	4.3176	0.5055	10.7891

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1217	0.0367	0.0990	0.0117	0.2691
15 mph	0.2864	0.0541	0.2047	0.0731	0.0647	0.0208	0.0579	0.0063	0.7680
25 mph	-	-	-	-	0.1049	0.0327	0.2080	0.0230	0.3687
35 mph	0.8684	0.1595	0.6064	0.2019	-	-	-	-	1.8362
total	1.1548	0.2135	0.8112	0.2750	0.2913	0.0902	0.3649	0.0410	3.2420

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1217	0.0367	0.0990	0.0117	0.2691
10 mph	0.2132	0.0411	0.1540	0.1693	0.1412	0.0456	0.1173	0.0128	0.8945
15 mph	0.3701	0.0699	0.2645	0.1451	0.1278	0.0410	0.0927	0.0101	1.1211
20 mph	0.1372	0.0256	0.0975	0.1091	0.0962	0.0304	0.1767	0.0192	0.6920
25 mph	0.5873	0.1083	0.4140	0.4404	0.4933	0.1539	0.7017	0.0777	2.9765
30 mph	0.6161	0.1130	0.4319	0.4760	0.4356	0.1342	0.5437	0.0616	2.8122
35 mph	1.3990	0.2569	0.9770	0.6546	0.4412	0.1339	0.3734	0.0432	4.2791
40 mph	0.2362	0.0435	0.1649	0.2458	0.2592	0.0778	0.3484	0.0406	1.4164
45 mph	0.1877	0.0348	0.1314	0.1946	0.2068	0.0614	0.2522	0.0298	1.0988
50 mph	0.1947	0.0367	0.1369	0.2078	0.2236	0.0655	0.2249	0.0267	1.1168
55 mph	0.1374	0.0264	0.0976	0.1387	0.1465	0.0426	0.0748	0.0089	0.6729
60 mph	0.2181	0.0428	0.1565	0.1857	0.1820	0.0530	2.9981	0.3543	4.1905
65 mph	0.0348	0.0070	0.0252	0.0346	0.0355	0.0103	-	-	0.1474
70 mph	0.4828	0.1069	0.3456	0.7853	0.9477	0.2471	-	-	2.9153
total	4.8147	0.9129	3.3970	3.7870	3.8583	1.1332	6.0030	0.6966	24.6028

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0041	0.0000	0.0021	0.0034	0.4679	0.3095	10.3138	43.6229	54.7238
15 mph	0.0012	0.0000	0.0006	0.0010	0.1585	0.1056	2.4186	9.6009	12.2864
20 mph	0.0018	0.0000	0.0008	0.0014	0.3108	0.2040	3.8453	13.3353	17.6994
25 mph	0.0078	0.0002	0.0029	0.0057	1.5416	1.0056	16.5436	61.9751	81.0825
30 mph	0.0078	0.0002	0.0027	0.0056	1.7741	1.1447	11.2943	42.3911	56.6205
35 mph	0.0059	0.0002	0.0020	0.0043	1.5644	0.9930	3.7387	14.6380	20.9464
40 mph	0.0019	0.0001	0.0006	0.0014	0.5534	0.3480	3.0413	12.0058	15.9525
45 mph	0.0016	0.0001	0.0005	0.0011	0.4804	0.3011	1.8478	7.3875	10.0200
50 mph	0.0015	0.0001	0.0004	0.0011	0.5084	0.3177	2.5644	9.8880	13.2816
55 mph	0.0012	0.0000	0.0003	0.0008	0.4134	0.2595	0.6059	2.3498	3.6310
60 mph	0.0025	0.0001	0.0006	0.0017	0.8408	0.5273	0.7349	2.8064	4.9144
65 mph	0.0003	0.0000	0.0001	0.0002	0.1184	0.0735	-	-	0.1925
70 mph	-	-	-	-	-	-	-	-	-
total	0.0377	0.0011	0.0136	0.0276	8.7322	5.5895	56.9487	220.0007	291.3510

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0003	0.0000	0.0002	0.0006	0.1003	0.0664	-	-	0.1678
15 mph	0.0003	0.0000	0.0001	0.0004	0.0850	0.0566	-	-	0.1424
20 mph	0.0002	0.0000	0.0001	0.0003	0.0833	0.0547	6.9322	24.0402	31.1109
25 mph	0.0003	0.0000	0.0001	0.0005	0.1653	0.1078	9.4895	35.5491	45.3126
30 mph	0.0006	0.0000	0.0002	0.0009	0.3458	0.2231	12.2165	45.8524	58.6396
35 mph	0.0012	0.0000	0.0004	0.0019	0.8386	0.5323	8.9866	35.1849	45.5460
40 mph	0.0013	0.0000	0.0004	0.0020	0.9889	0.6219	6.0310	23.8078	31.4534
45 mph	0.0010	0.0000	0.0003	0.0015	0.8242	0.5166	3.3311	13.3179	17.9926
50 mph	0.0012	0.0000	0.0003	0.0017	0.9811	0.6131	1.4225	5.4848	8.5047
55 mph	0.0006	0.0000	0.0002	0.0009	0.5541	0.3478	0.7282	2.8240	4.4558
60 mph	0.0004	0.0000	0.0001	0.0005	0.3381	0.2120	61.8242	236.1021	298.4775
65 mph	0.0001	0.0000	0.0000	0.0002	0.1269	0.0788	-	-	0.2061
70 mph	0.0063	0.0002	0.0017	0.0105	10.7568	6.1127	-	-	16.8882
total	0.0138	0.0005	0.0041	0.0217	16.1885	9.5439	110.9618	422.1633	558.8977

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.4994	2.4213	7.8668	12.2452	26.0327
15 mph	0.0050	0.0001	0.0023	0.0014	0.2497	0.1664	4.0306	15.9998	20.4553
25 mph	-	-	-	-	0.4612	0.3009	10.9677	41.0868	52.8166
35 mph	0.0117	0.0004	0.0039	0.0027	-	-	-	-	0.0187
total	0.0167	0.0005	0.0062	0.0041	4.2103	2.8886	22.8651	69.3318	99.3233

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.4994	2.4213	7.8668	12.2452	26.0327
10 mph	0.0044	0.0001	0.0022	0.0040	0.5683	0.3759	10.3138	43.6229	54.8916
15 mph	0.0065	0.0001	0.0030	0.0028	0.4931	0.3287	6.4492	25.6007	32.8840
20 mph	0.0020	0.0000	0.0008	0.0017	0.3941	0.2587	10.7775	37.3755	48.8103
25 mph	0.0081	0.0002	0.0030	0.0062	2.1682	1.4142	37.0008	138.6109	179.2117
30 mph	0.0084	0.0002	0.0029	0.0065	2.1199	1.3678	23.5109	88.2435	115.2602
35 mph	0.0189	0.0006	0.0063	0.0089	2.4030	1.5253	12.7253	49.8229	66.5112
40 mph	0.0032	0.0001	0.0010	0.0033	1.5424	0.9699	9.0723	35.8136	47.4059
45 mph	0.0026	0.0001	0.0008	0.0026	1.3046	0.8177	5.1789	20.7054	28.0127
50 mph	0.0027	0.0001	0.0008	0.0027	1.4895	0.9308	3.9869	15.3728	21.7863
55 mph	0.0019	0.0001	0.0005	0.0017	0.9675	0.6073	1.3341	5.1738	8.0869
60 mph	0.0029	0.0001	0.0007	0.0022	1.1789	0.7393	62.5591	238.9086	303.3918
65 mph	0.0004	0.0000	0.0001	0.0004	0.2453	0.1523	-	-	0.3986
70 mph	0.0063	0.0002	0.0017	0.0105	10.7568	6.1127	-	-	16.8882
total	0.0682	0.0020	0.0239	0.0535	29.1310	18.0220	190.7756	711.4958	949.5720

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.7262	0.7262
15 mph								0.1799	0.1799
20 mph								0.2812	0.2812
25 mph								1.3259	1.3259
30 mph								1.0856	1.0856
35 mph								0.4493	0.4493
40 mph								0.4665	0.4665
45 mph								0.3536	0.3536
50 mph								0.5511	0.5511
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.4192	5.4192

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.5070	0.5070
25 mph								0.7605	0.7605
30 mph								1.1742	1.1742
35 mph								1.0799	1.0799
40 mph								0.9251	0.9251
45 mph								0.6374	0.6374
50 mph								0.3057	0.3057
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.5216	3.5216

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.8413	0.8413
15 mph								0.2999	0.2999
25 mph								0.8790	0.8790
35 mph								-	-
total	-	-	-	-	-	-	-	2.0201	2.0201

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.8413	0.8413
10 mph								0.7262	0.7262
15 mph								0.4798	0.4798
20 mph								0.7882	0.7882
25 mph								2.9654	2.9654
30 mph								2.2598	2.2598
35 mph								1.5292	1.5292
40 mph								1.3916	1.3916
45 mph								0.9909	0.9909
50 mph								0.8567	0.8567
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	12.8291	12.8291

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.6211	2.4580	7.9658	13.0981	27.1431
10 mph	0.2176	0.0412	0.1563	0.1733	0.7095	0.4214	10.4312	44.3618	56.5124
15 mph	0.3766	0.0700	0.2675	0.1479	0.6208	0.3697	6.5419	26.0906	34.4850
20 mph	0.1392	0.0256	0.0983	0.1108	0.4903	0.2891	10.9542	38.1829	50.2904
25 mph	0.5954	0.1085	0.4170	0.4466	2.6614	1.5682	37.7025	141.6540	185.1536
30 mph	0.6245	0.1133	0.4349	0.4825	2.5556	1.5020	24.0545	90.5649	120.3321
35 mph	1.4179	0.2575	0.9833	0.6635	2.8442	1.6592	13.0987	51.3954	72.3195
40 mph	0.2394	0.0436	0.1659	0.2491	1.8016	1.0477	9.4208	37.2459	50.2139
45 mph	0.1903	0.0349	0.1322	0.1972	1.5114	0.8791	5.4311	21.7262	30.1024
50 mph	0.1974	0.0368	0.1376	0.2105	1.7131	0.9964	4.2118	16.2562	23.7599
55 mph	0.1393	0.0265	0.0981	0.1404	1.1141	0.6499	1.4090	5.1826	8.7598
60 mph	0.2210	0.0429	0.1572	0.1879	1.3609	0.7923	65.5572	239.2629	307.5823
65 mph	0.0353	0.0070	0.0253	0.0350	0.2808	0.1626	-	-	0.5460
70 mph	0.4891	0.1071	0.3473	0.7958	11.7045	6.3598	-	-	19.8036
STREX	0.5917	0.0583	0.3004	0.8975	0.5526	0.1703	7.7272	15.8713	26.1693
total	5.4747	0.9732	3.7213	4.7380	33.5419	19.3256	204.5058	740.8928	**1,013.1733**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1430	0.1853	0.1936	0.2312	0.4208	0.4340	0.3330	0.2476
Diesel	-	-	-	-	-	-	2.1523	2.4504
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.5917	0.0583	0.3004	0.8975	0.5526	0.1703	0.2093	0.0011
Diesel	-	-	-	-	-	-	7.5180	15.8702
Electric/NG	-	-	-	-	-	-	-	-
Total	0.5917	0.0583	0.3004	0.8975	0.5526	0.1703	7.7272	15.8713

World Logistics Center
Mobile Emissions - 2028 (Net) - Unmitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					154.5789	154.8100	386.8688	277.1937
10 mph	0.8469	1.4182	1.1483	1.2523	0.8228	0.5483	1.1084	50.2506
15 mph	0.7722	1.2729	1.0419	1.1335	0.6755	0.4781	1.0054	45.2662
20 mph	0.7066	1.1544	0.9508	1.0331	0.5842	0.4259	0.9232	41.1957
25 mph	0.6470	1.0485	0.8677	0.9428	0.5088	0.3800	0.8330	37.5665
30 mph	0.5941	0.9580	0.7947	0.8641	0.4545	0.3428	0.7515	34.4083
35 mph	0.5473	0.8814	0.7304	0.7958	0.4177	0.3139	0.6848	31.7012
40 mph	0.5074	0.8177	0.6771	0.7382	0.3945	0.2931	0.6378	29.4519
45 mph	0.4733	0.7633	0.6316	0.6890	0.3801	0.2763	0.5897	27.4438
50 mph	0.4413	0.7170	0.5892	0.6444	0.3748	0.2627	0.5529	25.6988
55 mph	0.4107	0.6732	0.5497	0.6027	0.3839	0.2563	0.5264	24.2316
60 mph	0.3769	0.6243	0.5057	0.5567	0.4025	0.2537	0.5004	22.9252
65 mph	0.3485	0.5866	0.4692	0.5188	0.4492	0.2621		
70 mph	0.3371	0.6093	0.4530	0.5090	0.4528	0.2248		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	20.4351	34.6699
10 mph	2.1943	2.4741	1.8587	2.3720	2.2651	2.2978	0.4867	1.3173
15 mph	1.0791	1.5516	0.9096	1.1591	1.1569	1.1691	0.2643	0.7286
20 mph	0.4298	0.9974	0.3559	0.4554	0.5241	0.5239	0.1768	0.4509
25 mph	0.2628	0.7741	0.2146	0.2765	0.3468	0.3445	0.1352	0.3619
30 mph	0.2005	0.6579	0.1625	0.2108	0.2789	0.2754	0.1038	0.2783
35 mph	0.1611	0.5900	0.1296	0.1695	0.2402	0.2350	0.0784	0.2088
40 mph	0.1346	0.5597	0.1073	0.1408	0.2159	0.2095	0.0589	0.1577
45 mph	0.1160	0.5595	0.0913	0.1202	0.2017	0.1944	0.0453	0.1218
50 mph	0.1030	0.5890	0.0795	0.1056	0.1992	0.1904	0.0376	0.1011
55 mph	0.0936	0.6568	0.0706	0.0944	0.2020	0.1921	0.0359	0.0975
60 mph	0.0918	0.7710	0.0674	0.0909	0.2196	0.2075	0.0400	0.1080
65 mph	0.0956	0.9512	0.0685	0.0940	0.2744	0.2558		
70 mph	0.0998	1.0869	0.0703	0.1018	0.4971	0.4278		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								33.2367
10 mph								35.0527
15 mph								24.6800
20 mph								17.8498
25 mph								13.0840
30 mph								9.6463
35 mph								7.1129
40 mph								5.2462
45 mph								3.8708
50 mph								2.8576
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	4.3008	0.5472	2.1875	1.9968	0.5922	0.1179	0.4005	0.1318	10.2748
15 mph	1.5686	0.1964	0.7939	0.7230	0.1945	0.0411	0.1211	0.0396	3.6782
20 mph	2.8704	0.3563	1.4490	1.3179	0.3364	0.0733	0.2224	0.0720	6.6977
25 mph	13.1423	1.6180	6.6121	6.0132	1.4648	0.3270	1.1037	0.3614	30.6425
30 mph	13.2741	1.6263	6.6608	6.0626	1.4392	0.3244	0.9052	0.3009	30.5935
35 mph	10.0047	1.2242	5.0093	4.5682	1.0823	0.2430	0.3712	0.1247	22.6277
40 mph	3.0922	0.3786	1.5480	1.4126	0.3407	0.0757	0.3841	0.1288	7.3605
45 mph	2.4034	0.2945	1.2032	1.0986	0.2735	0.0594	0.2841	0.0960	5.7129
50 mph	2.2411	0.2766	1.1224	1.0276	0.2698	0.0565	0.4329	0.1461	5.5730
55 mph	1.6686	0.2078	0.8377	0.7688	0.2210	0.0441	0.0951	0.0318	3.8749
60 mph	3.0624	0.3854	1.5415	1.4202	0.4635	0.0873	0.0904	0.0301	7.0807
65 mph	0.3540	0.0453	0.1788	0.1654	0.0647	0.0113	-	-	0.8194
70 mph	-	-	-	-	-	-	-	-	-
total	57.9826	7.1565	29.1442	26.5750	6.7425	1.4611	4.4108	1.4632	134.9358

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.3557	0.0453	0.1809	0.3449	0.1270	0.0253	-	-	1.0791
15 mph	0.3243	0.0406	0.1642	0.3122	0.1043	0.0221	-	-	0.9676
20 mph	0.2967	0.0368	0.1498	0.2846	0.0902	0.0196	0.4009	0.1299	1.4086
25 mph	0.5435	0.0669	0.2734	0.5193	0.1571	0.0351	0.6331	0.2073	2.4356
30 mph	0.9980	0.1223	0.5008	0.9520	0.2806	0.0632	0.9791	0.3255	4.2215
35 mph	2.0686	0.2531	1.0358	1.9727	0.5802	0.1303	0.8923	0.2999	7.2328
40 mph	2.1312	0.2609	1.0669	2.0333	0.6088	0.1352	0.7617	0.2554	7.2533
45 mph	1.5902	0.1949	0.7961	1.5181	0.4693	0.1020	0.5122	0.1731	5.3558
50 mph	1.6682	0.2059	0.8354	1.5975	0.5206	0.1090	0.2401	0.0810	5.2578
55 mph	0.8625	0.1074	0.4330	0.8300	0.2962	0.0591	0.1143	0.0382	2.7408
60 mph	0.4749	0.0598	0.2390	0.4599	0.1863	0.0351	7.6065	2.5298	11.5914
65 mph	0.1464	0.0187	0.0739	0.1429	0.0693	0.0121	-	-	0.4633
70 mph	6.5124	0.8943	3.2828	6.4494	3.2147	0.4770	-	-	20.8306
total	17.9726	2.3068	9.0320	17.4168	6.7045	1.2251	12.1403	4.0400	70.8381

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	13.9630	4.1792	15.9307	0.1180	34.1909
15 mph	6.4796	0.8115	3.2796	1.0511	0.3064	0.0648	0.2018	0.0660	12.2607
25 mph	-	-	-	-	0.4382	0.0978	0.7317	0.2396	1.5074
35 mph	19.7578	2.4176	9.8927	2.9177	-	-	-	-	34.9859
total	26.2375	3.2290	13.1723	3.9689	14.7076	4.3418	16.8643	0.4236	82.9449

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	13.9630	4.1792	15.9307	0.1180	34.1909
10 mph	4.6565	0.5924	2.3684	2.3418	0.7192	0.1432	0.4005	0.1318	11.3539
15 mph	8.3726	1.0485	4.2376	2.0863	0.6051	0.1280	0.3229	0.1056	16.9066
20 mph	3.1671	0.3931	1.5988	1.6025	0.4265	0.0929	0.6233	0.2019	8.1063
25 mph	13.6858	1.6850	6.8856	6.5325	2.0601	0.4599	2.4685	0.8082	34.5855
30 mph	14.2722	1.7485	7.1616	7.0146	1.7198	0.3877	1.8843	0.6263	34.8150
35 mph	31.8311	3.8949	15.9378	9.4586	1.6625	0.3733	1.2635	0.4246	64.8464
40 mph	5.2234	0.6395	2.6148	3.4459	0.9494	0.2108	1.1459	0.3841	14.6139
45 mph	3.9936	0.4893	1.9993	2.6168	0.7428	0.1614	0.7964	0.2691	11.0686
50 mph	3.9093	0.4825	1.9578	2.6251	0.7904	0.1656	0.6730	0.2271	10.8308
55 mph	2.5311	0.3152	1.2708	1.5988	0.5173	0.1032	0.2094	0.0700	6.6157
60 mph	3.5373	0.4451	1.7805	1.8801	0.6498	0.1224	7.6969	2.5599	18.6721
65 mph	0.5003	0.0640	0.2527	0.3083	0.1340	0.0234	-	-	1.2827
70 mph	6.5124	0.8943	3.2828	6.4494	3.2147	0.4770	-	-	20.8306
total	102.1927	12.6924	51.3484	47.9607	28.1547	7.0280	33.4154	5.9267	288.7188

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1200	0.0002	0.0305	0.1101	1.4459	1.0061	0.9775	4.9056	8.5959
15 mph	0.0236	0.0001	0.0060	0.0215	0.2954	0.2047	0.1769	0.9044	1.6326
20 mph	0.0188	0.0001	0.0047	0.0169	0.2677	0.1835	0.2367	1.1193	1.8476
25 mph	0.0575	0.0003	0.0141	0.0514	0.8855	0.6033	0.9955	4.9412	7.5487
30 mph	0.0482	0.0002	0.0117	0.0431	0.7833	0.5306	0.6952	3.4550	5.5673
35 mph	0.0317	0.0002	0.0077	0.0283	0.5519	0.3704	0.2363	1.1666	2.3930
40 mph	0.0088	0.0001	0.0021	0.0078	0.1654	0.1101	0.1972	0.9791	1.4706
45 mph	0.0063	0.0000	0.0015	0.0056	0.1288	0.0851	0.1212	0.6046	0.9532
50 mph	0.0056	0.0001	0.0013	0.0049	0.1272	0.0834	0.1637	0.8155	1.2017
55 mph	0.0041	0.0000	0.0009	0.0035	0.1031	0.0673	0.0360	0.1816	0.3966
60 mph	0.0080	0.0001	0.0018	0.0068	0.2243	0.1453	0.0402	0.2010	0.6275
65 mph	0.0010	0.0000	0.0002	0.0009	0.0350	0.0224	-	-	0.0596
70 mph	-	-	-	-	-	-	-	-	-
total	0.3338	0.0014	0.0824	0.3008	5.0136	3.4121	3.8763	19.2739	32.2943

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0099	0.0000	0.0025	0.0190	0.3101	0.2157	-	-	0.5573
15 mph	0.0049	0.0000	0.0012	0.0093	0.1584	0.1098	-	-	0.2835
20 mph	0.0019	0.0000	0.0005	0.0037	0.0717	0.0492	0.4266	2.0179	2.5715
25 mph	0.0024	0.0000	0.0006	0.0044	0.0949	0.0647	0.5710	2.8343	3.5723
30 mph	0.0036	0.0000	0.0009	0.0068	0.1527	0.1034	0.7520	3.7371	4.7564
35 mph	0.0066	0.0000	0.0016	0.0122	0.2959	0.1985	0.5679	2.8041	3.8868
40 mph	0.0061	0.0000	0.0015	0.0113	0.2956	0.1967	0.3910	1.9415	2.8437
45 mph	0.0042	0.0000	0.0010	0.0077	0.2209	0.1460	0.2186	1.0900	1.6884
50 mph	0.0042	0.0000	0.0010	0.0076	0.2455	0.1609	0.0908	0.4524	0.9624
55 mph	0.0021	0.0000	0.0005	0.0038	0.1382	0.0902	0.0433	0.2183	0.4964
60 mph	0.0012	0.0000	0.0003	0.0022	0.0902	0.0584	3.3783	16.9120	20.4427
65 mph	0.0004	0.0000	0.0001	0.0008	0.0376	0.0240	-	-	0.0629
70 mph	0.0208	0.0004	0.0044	0.0376	3.1303	1.8478	-	-	5.0412
total	0.0684	0.0006	0.0159	0.1263	5.2419	3.2654	6.4395	32.0075	47.1655

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.1070	1.4452	4.6769	14.7127	22.9419
15 mph	0.0975	0.0002	0.0246	0.0313	0.4654	0.3225	0.2949	1.5072	2.7436
25 mph	-	-	-	-	0.2649	0.1805	0.6600	3.2758	4.3812
35 mph	0.0626	0.0004	0.0151	0.0181	-	-	-	-	0.0962
total	0.1602	0.0006	0.0398	0.0494	2.8373	1.9482	5.6318	19.4957	30.1629

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.1070	1.4452	4.6769	14.7127	22.9419
10 mph	0.1299	0.0002	0.0330	0.1292	1.7560	1.2218	0.9775	4.9056	9.1532
15 mph	0.1260	0.0003	0.0318	0.0621	0.9191	0.6370	0.4718	2.4115	4.6598
20 mph	0.0207	0.0001	0.0052	0.0206	0.3394	0.2327	0.6633	3.1372	4.4191
25 mph	0.0599	0.0003	0.0147	0.0558	1.2454	0.8484	2.2265	11.0513	15.5023
30 mph	0.0519	0.0003	0.0126	0.0498	0.9360	0.6340	1.4471	7.1920	10.3237
35 mph	0.1009	0.0006	0.0243	0.0587	0.8477	0.5689	0.8041	3.9707	6.3760
40 mph	0.0149	0.0001	0.0036	0.0191	0.4610	0.3068	0.5882	2.9206	4.3143
45 mph	0.0105	0.0001	0.0025	0.0133	0.3497	0.2311	0.3398	1.6946	2.6417
50 mph	0.0098	0.0001	0.0023	0.0125	0.3726	0.2443	0.2545	1.2679	2.1641
55 mph	0.0062	0.0001	0.0014	0.0073	0.2414	0.1575	0.0793	0.3999	0.8930
60 mph	0.0093	0.0001	0.0020	0.0089	0.3145	0.2038	3.4185	17.1130	21.0701
65 mph	0.0015	0.0000	0.0003	0.0016	0.0726	0.0464	-	-	0.1225
70 mph	0.0208	0.0004	0.0044	0.0376	3.1303	1.8478	-	-	5.0412
total	0.5624	0.0026	0.1381	0.4765	13.0928	8.6257	15.9476	70.7771	109.6227

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								7.8821	7.8821
15 mph								1.8499	1.8499
20 mph								2.6758	2.6758
25 mph								10.7878	10.7878
30 mph								7.2303	7.2303
35 mph								2.3992	2.3992
40 mph								1.9661	1.9661
45 mph								1.1605	1.1605
50 mph								1.3923	1.3923
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	37.3440	37.3440

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								4.8239	4.8239
25 mph								6.1879	6.1879
30 mph								7.8207	7.8207
35 mph								5.7668	5.7668
40 mph								3.8989	3.8989
45 mph								2.0922	2.0922
50 mph								0.7723	0.7723
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	24.5993	24.5993

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.8517	0.8517
15 mph								3.0828	3.0828
25 mph								7.1518	7.1518
35 mph								-	-
total	-	-	-	-	-	-	-	11.0863	11.0863

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.8517	0.8517
10 mph								7.8821	7.8821
15 mph								4.9327	4.9327
20 mph								7.4997	7.4997
25 mph								24.1275	24.1275
30 mph								15.0510	15.0510
35 mph								8.1660	8.1660
40 mph								5.8650	5.8650
45 mph								3.2527	3.2527
50 mph								2.1645	2.1645
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	79.7929	79.7929

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	16.0700	5.6244	20.6077	15.6824	57.9845
10 mph	4.7865	0.5926	2.4014	2.4709	2.4752	1.3650	1.3780	12.9195	28.3891
15 mph	8.4986	1.0488	4.2695	2.1485	1.5242	0.7650	0.7947	7.4498	26.4990
20 mph	3.1879	0.3932	1.6039	1.6230	0.7659	0.3256	1.2866	10.8388	20.0251
25 mph	13.7456	1.6852	6.9002	6.5883	3.3055	1.3083	4.6950	35.9870	74.2152
30 mph	14.3240	1.7488	7.1742	7.0644	2.6558	1.0217	3.3315	22.8694	60.1898
35 mph	31.9321	3.8955	15.9622	9.5173	2.5102	0.9422	2.0676	12.5613	79.3883
40 mph	5.2383	0.6396	2.6184	3.4650	1.4104	0.5176	1.7340	9.1698	24.7932
45 mph	4.0042	0.4894	2.0018	2.6301	1.0925	0.3925	1.1362	5.2164	16.9630
50 mph	3.9191	0.4826	1.9601	2.6376	1.1630	0.4099	0.9275	3.6595	15.1594
55 mph	2.5373	0.3152	1.2722	1.6061	0.7587	0.2607	0.2887	0.4699	7.5087
60 mph	3.5466	0.4453	1.7826	1.8891	0.9643	0.3262	11.1154	19.6730	39.7423
65 mph	0.5018	0.0640	0.2530	0.3100	0.2066	0.0698	-	-	1.4051
70 mph	6.5331	0.8946	3.2872	6.4870	6.3450	2.3248	-	-	25.8717
STREX	7.4798	0.6003	3.5534	9.7647	2.0258	0.5884	2.2283	0.0236	26.2641
total	110.2348	13.2952	55.0399	58.2018	43.2732	16.2421	51.5912	156.5202	**504.3986**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.8081	1.9099	2.2897	2.5154	1.5427	1.4994	3.5455	5.1639
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	7.4798	0.6003	3.5534	9.7647	2.0258	0.5884	2.2283	0.0236
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	7.4798	0.6003	3.5534	9.7647	2.0258	0.5884	2.2283	0.0236

World Logistics Center
Mobile Emissions - 2028 (Net) - Unmitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0534	0.0534	0.1350	0.2111
10 mph	0.0044	0.0052	0.0053	0.0066	0.0140	0.0162	0.0290	0.0344
15 mph	0.0036	0.0042	0.0044	0.0054	0.0115	0.0132	0.0237	0.0282
20 mph	0.0030	0.0035	0.0036	0.0045	0.0095	0.0110	0.0197	0.0235
25 mph	0.0026	0.0030	0.0031	0.0038	0.0082	0.0094	0.0169	0.0201
30 mph	0.0023	0.0027	0.0027	0.0034	0.0072	0.0083	0.0150	0.0178
35 mph	0.0021	0.0025	0.0026	0.0032	0.0067	0.0077	0.0139	0.0165
40 mph	0.0020	0.0024	0.0025	0.0031	0.0065	0.0075	0.0135	0.0160
45 mph	0.0021	0.0024	0.0025	0.0031	0.0065	0.0075	0.0135	0.0160
50 mph	0.0021	0.0025	0.0026	0.0032	0.0067	0.0077	0.0139	0.0164
55 mph	0.0022	0.0026	0.0027	0.0033	0.0070	0.0080	0.0144	0.0171
60 mph	0.0023	0.0027	0.0027	0.0034	0.0073	0.0084	0.0150	0.0177
65 mph	0.0023	0.0027	0.0028	0.0035	0.0075	0.0086		
70 mph	0.0024	0.0028	0.0028	0.0036	0.0076	0.0087		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0335	0.0540	0.0558	0.0507
10 mph	0.0035	0.0076	0.0048	0.0059	0.0087	0.0097	0.0169	0.0272
15 mph	0.0029	0.0063	0.0039	0.0050	0.0056	0.0064	0.0133	0.0201
20 mph	0.0024	0.0052	0.0032	0.0042	0.0048	0.0055	0.0114	0.0168
25 mph	0.0020	0.0044	0.0027	0.0035	0.0043	0.0049	0.0099	0.0142
30 mph	0.0017	0.0037	0.0023	0.0031	0.0039	0.0044	0.0087	0.0125
35 mph	0.0016	0.0034	0.0021	0.0028	0.0039	0.0044	0.0078	0.0114
40 mph	0.0015	0.0031	0.0020	0.0026	0.0038	0.0043	0.0071	0.0104
45 mph	0.0014	0.0030	0.0019	0.0025	0.0037	0.0041	0.0068	0.0098
50 mph	0.0014	0.0030	0.0019	0.0025	0.0039	0.0043	0.0067	0.0095
55 mph	0.0015	0.0032	0.0020	0.0027	0.0040	0.0044	0.0069	0.0099
60 mph	0.0016	0.0034	0.0022	0.0029	0.0041	0.0044	0.0073	0.0104
65 mph	0.0018	0.0038	0.0024	0.0032	0.0041	0.0044		
70 mph	0.0020	0.0040	0.0026	0.0035	0.0042	0.0045		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0224	0.0020	0.0101	0.0105	0.0101	0.0035	0.0105	0.0001	0.0692
15 mph	0.0073	0.0007	0.0033	0.0034	0.0033	0.0011	0.0029	0.0000	0.0220
20 mph	0.0122	0.0011	0.0055	0.0057	0.0055	0.0019	0.0047	0.0000	0.0366
25 mph	0.0521	0.0046	0.0236	0.0244	0.0235	0.0081	0.0223	0.0002	0.1588
30 mph	0.0509	0.0045	0.0230	0.0238	0.0229	0.0079	0.0180	0.0002	0.1513
35 mph	0.0386	0.0034	0.0175	0.0181	0.0174	0.0060	0.0075	0.0001	0.1086
40 mph	0.0125	0.0011	0.0057	0.0059	0.0056	0.0019	0.0081	0.0001	0.0408
45 mph	0.0104	0.0009	0.0047	0.0049	0.0047	0.0016	0.0065	0.0001	0.0339
50 mph	0.0108	0.0010	0.0049	0.0050	0.0048	0.0017	0.0109	0.0001	0.0391
55 mph	0.0089	0.0008	0.0040	0.0042	0.0040	0.0014	0.0026	0.0000	0.0260
60 mph	0.0184	0.0016	0.0084	0.0087	0.0084	0.0029	0.0027	0.0000	0.0511
65 mph	0.0024	0.0002	0.0011	0.0011	0.0011	0.0004	-	-	0.0062
70 mph	-	-	-	-	-	-	-	-	-
total	0.2468	0.0219	0.1118	0.1157	0.1113	0.0383	0.0968	0.0008	0.7435

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0019	0.0002	0.0008	0.0018	0.0022	0.0007	-	-	0.0076
15 mph	0.0015	0.0001	0.0007	0.0015	0.0018	0.0006	-	-	0.0062
20 mph	0.0013	0.0001	0.0006	0.0012	0.0015	0.0005	0.0086	0.0001	0.0138
25 mph	0.0022	0.0002	0.0010	0.0021	0.0025	0.0009	0.0128	0.0001	0.0217
30 mph	0.0038	0.0003	0.0017	0.0037	0.0045	0.0015	0.0195	0.0002	0.0353
35 mph	0.0080	0.0007	0.0036	0.0078	0.0093	0.0032	0.0181	0.0002	0.0509
40 mph	0.0086	0.0008	0.0039	0.0084	0.0100	0.0035	0.0161	0.0001	0.0514
45 mph	0.0069	0.0006	0.0031	0.0068	0.0081	0.0028	0.0117	0.0001	0.0401
50 mph	0.0080	0.0007	0.0036	0.0078	0.0093	0.0032	0.0060	0.0001	0.0388
55 mph	0.0046	0.0004	0.0021	0.0045	0.0054	0.0019	0.0031	0.0000	0.0221
60 mph	0.0029	0.0003	0.0013	0.0028	0.0034	0.0012	0.2283	0.0020	0.2420
65 mph	0.0010	0.0001	0.0004	0.0010	0.0012	0.0004	-	-	0.0040
70 mph	0.0454	0.0041	0.0206	0.0454	0.0540	0.0185	-	-	0.1880
total	0.0959	0.0085	0.0435	0.0949	0.1131	0.0388	0.3243	0.0028	0.7219

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0048	0.0014	0.0056	0.0001	0.0119
15 mph	0.0303	0.0027	0.0137	0.0050	0.0052	0.0018	0.0048	0.0000	0.0634
25 mph	-	-	-	-	0.0070	0.0024	0.0148	0.0001	0.0244
35 mph	0.0762	0.0068	0.0345	0.0116	-	-	-	-	0.1291
total	0.1065	0.0095	0.0482	0.0165	0.0171	0.0056	0.0251	0.0003	0.2288

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0048	0.0014	0.0056	0.0001	0.0119
10 mph	0.0243	0.0022	0.0110	0.0123	0.0123	0.0042	0.0105	0.0001	0.0768
15 mph	0.0391	0.0035	0.0177	0.0099	0.0103	0.0035	0.0076	0.0001	0.0916
20 mph	0.0134	0.0012	0.0061	0.0069	0.0070	0.0024	0.0133	0.0001	0.0504
25 mph	0.0542	0.0048	0.0246	0.0265	0.0330	0.0114	0.0500	0.0004	0.2049
30 mph	0.0547	0.0049	0.0248	0.0276	0.0274	0.0094	0.0376	0.0003	0.1866
35 mph	0.1228	0.0109	0.0557	0.0375	0.0267	0.0092	0.0256	0.0002	0.2886
40 mph	0.0211	0.0019	0.0095	0.0143	0.0156	0.0054	0.0242	0.0002	0.0921
45 mph	0.0173	0.0015	0.0079	0.0117	0.0127	0.0044	0.0182	0.0002	0.0739
50 mph	0.0188	0.0017	0.0085	0.0129	0.0142	0.0049	0.0169	0.0001	0.0779
55 mph	0.0136	0.0012	0.0061	0.0087	0.0094	0.0032	0.0057	0.0000	0.0481
60 mph	0.0213	0.0019	0.0097	0.0115	0.0117	0.0040	0.2310	0.0020	0.2931
65 mph	0.0033	0.0003	0.0015	0.0021	0.0022	0.0008	-	-	0.0102
70 mph	0.0454	0.0041	0.0206	0.0454	0.0540	0.0185	-	-	0.1880
total	0.4492	0.0400	0.2036	0.2271	0.2414	0.0827	0.4463	0.0039	1.6942

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0002	0.0000	0.0001	0.0003	0.0055	0.0042	0.0340	0.1014	0.1457
15 mph	0.0001	0.0000	0.0000	0.0001	0.0014	0.0011	0.0089	0.0250	0.0366
20 mph	0.0001	0.0000	0.0000	0.0002	0.0025	0.0019	0.0152	0.0416	0.0615
25 mph	0.0004	0.0000	0.0002	0.0007	0.0109	0.0086	0.0731	0.1944	0.2882
30 mph	0.0004	0.0000	0.0002	0.0006	0.0109	0.0085	0.0583	0.1549	0.2338
35 mph	0.0003	0.0000	0.0001	0.0005	0.0089	0.0070	0.0234	0.0635	0.1037
40 mph	0.0001	0.0000	0.0000	0.0001	0.0029	0.0022	0.0239	0.0644	0.0937
45 mph	0.0001	0.0000	0.0000	0.0001	0.0024	0.0018	0.0181	0.0487	0.0712
50 mph	0.0001	0.0000	0.0000	0.0001	0.0025	0.0019	0.0290	0.0768	0.1104
55 mph	0.0001	0.0000	0.0000	0.0001	0.0021	0.0015	0.0069	0.0183	0.0290
60 mph	0.0001	0.0000	0.0001	0.0002	0.0042	0.0031	0.0074	0.0194	0.0345
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0004	-	-	0.0010
70 mph	-	-	-	-	-	-	-	-	-
total	0.0020	0.0000	0.0008	0.0030	0.0546	0.0423	0.2982	0.8084	1.2093

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0009	-	-	0.0022
15 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	-	-	0.0014
20 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0274	0.0750	0.1037
25 mph	0.0000	0.0000	0.0000	0.0001	0.0012	0.0009	0.0419	0.1115	0.1556
30 mph	0.0000	0.0000	0.0000	0.0001	0.0021	0.0017	0.0631	0.1676	0.2346
35 mph	0.0001	0.0000	0.0000	0.0002	0.0048	0.0037	0.0564	0.1526	0.2178
40 mph	0.0001	0.0000	0.0000	0.0002	0.0052	0.0040	0.0473	0.1277	0.1845
45 mph	0.0001	0.0000	0.0000	0.0002	0.0040	0.0031	0.0326	0.0878	0.1278
50 mph	0.0001	0.0000	0.0000	0.0002	0.0048	0.0036	0.0161	0.0426	0.0673
55 mph	0.0000	0.0000	0.0000	0.0001	0.0028	0.0021	0.0083	0.0220	0.0353
60 mph	0.0000	0.0000	0.0000	0.0001	0.0017	0.0012	0.6190	1.6358	2.2579
65 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	-	-	0.0010
70 mph	0.0004	0.0000	0.0002	0.0013	0.0267	0.0196	-	-	0.0482
total	0.0008	0.0000	0.0003	0.0025	0.0564	0.0424	0.9122	2.4226	3.4372

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0027	0.0030	0.0128	0.0215	0.0399
15 mph	0.0003	0.0000	0.0001	0.0001	0.0023	0.0018	0.0148	0.0416	0.0610
25 mph	-	-	-	-	0.0033	0.0026	0.0484	0.1289	0.1831
35 mph	0.0006	0.0000	0.0002	0.0003	-	-	-	-	0.0012
total	0.0009	0.0000	0.0004	0.0004	0.0082	0.0073	0.0761	0.1920	0.2852

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0027	0.0030	0.0128	0.0215	0.0399
10 mph	0.0002	0.0000	0.0001	0.0003	0.0067	0.0052	0.0340	0.1014	0.1479
15 mph	0.0003	0.0000	0.0001	0.0003	0.0045	0.0035	0.0238	0.0665	0.0990
20 mph	0.0001	0.0000	0.0000	0.0002	0.0031	0.0024	0.0427	0.1166	0.1652
25 mph	0.0005	0.0000	0.0002	0.0007	0.0153	0.0120	0.1634	0.4348	0.6269
30 mph	0.0004	0.0000	0.0002	0.0007	0.0130	0.0102	0.1214	0.3225	0.4684
35 mph	0.0010	0.0000	0.0004	0.0010	0.0137	0.0107	0.0798	0.2161	0.3227
40 mph	0.0002	0.0000	0.0001	0.0004	0.0081	0.0062	0.0712	0.1920	0.2782
45 mph	0.0001	0.0000	0.0001	0.0003	0.0064	0.0049	0.0507	0.1365	0.1989
50 mph	0.0001	0.0000	0.0001	0.0003	0.0072	0.0055	0.0451	0.1194	0.1777
55 mph	0.0001	0.0000	0.0000	0.0002	0.0048	0.0036	0.0152	0.0404	0.0643
60 mph	0.0002	0.0000	0.0001	0.0003	0.0058	0.0043	0.6264	1.6553	2.2924
65 mph	0.0000	0.0000	0.0000	0.0001	0.0011	0.0008	-	-	0.0020
70 mph	0.0004	0.0000	0.0002	0.0013	0.0267	0.0196	-	-	0.0482
total	0.0037	0.0000	0.0015	0.0060	0.1192	0.0920	1.2864	3.4230	4.9317

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
15 mph									-	-
25 mph									-	-
35 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0075	0.0044	0.0183	0.0216	0.0518
10 mph	0.0245	0.0022	0.0111	0.0126	0.0190	0.0094	0.0445	0.1015	0.2246
15 mph	0.0394	0.0035	0.0178	0.0101	0.0148	0.0070	0.0314	0.0666	0.1907
20 mph	0.0136	0.0012	0.0061	0.0071	0.0101	0.0048	0.0560	0.1167	0.2156
25 mph	0.0547	0.0048	0.0248	0.0272	0.0483	0.0234	0.2134	0.4352	0.8318
30 mph	0.0551	0.0049	0.0250	0.0283	0.0404	0.0196	0.1590	0.3228	0.6550
35 mph	0.1238	0.0109	0.0561	0.0385	0.0404	0.0199	0.1054	0.2163	0.6113
40 mph	0.0212	0.0019	0.0096	0.0146	0.0237	0.0116	0.0954	0.1922	0.3703
45 mph	0.0175	0.0015	0.0079	0.0119	0.0191	0.0093	0.0690	0.1366	0.2729
50 mph	0.0189	0.0017	0.0085	0.0132	0.0214	0.0103	0.0620	0.1196	0.2556
55 mph	0.0137	0.0012	0.0062	0.0089	0.0143	0.0068	0.0209	0.0404	0.1124
60 mph	0.0214	0.0019	0.0097	0.0118	0.0176	0.0084	0.8574	1.6573	2.5855
65 mph	0.0034	0.0003	0.0015	0.0021	0.0033	0.0016	-	-	0.0122
70 mph	0.0458	0.0041	0.0208	0.0467	0.0807	0.0381	-	-	0.2362
STREX	0.0019	0.0002	0.0009	0.0028	0.0002	0.0001	0.0002	0.0000	0.0064
total	0.4549	0.0401	0.2060	0.2359	0.3609	0.1748	1.7328	3.4269	**6.6323**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0005	0.0006	0.0006	0.0007	0.0002	0.0002	0.0003	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0019	0.0002	0.0009	0.0028	0.0002	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0019	0.0002	0.0009	0.0028	0.0002	0.0001	0.0002	0.0000

World Logistics Center
Mobile Emissions - 2028 (Net) - Unmitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0386	0.0362	0.0349	0.0382
10 mph	0.0048	0.0062	0.0051	0.0051	0.0049	0.0046	0.0045	0.0049
15 mph	0.0032	0.0041	0.0034	0.0034	0.0033	0.0031	0.0030	0.0032
20 mph	0.0022	0.0029	0.0024	0.0024	0.0023	0.0021	0.0021	0.0023
25 mph	0.0016	0.0022	0.0017	0.0018	0.0017	0.0016	0.0015	0.0017
30 mph	0.0013	0.0017	0.0014	0.0014	0.0013	0.0012	0.0012	0.0013
35 mph	0.0011	0.0014	0.0011	0.0011	0.0011	0.0010	0.0010	0.0011
40 mph	0.0009	0.0012	0.0010	0.0010	0.0010	0.0009	0.0008	0.0010
45 mph	0.0008	0.0011	0.0009	0.0009	0.0009	0.0008	0.0008	0.0009
50 mph	0.0008	0.0011	0.0009	0.0009	0.0008	0.0008	0.0007	0.0009
55 mph	0.0008	0.0011	0.0009	0.0009	0.0009	0.0008	0.0008	0.0009
60 mph	0.0009	0.0012	0.0009	0.0009	0.0009	0.0008	0.0008	0.0009
65 mph	0.0010	0.0013	0.0010	0.0009	0.0011	0.0010		
70 mph	0.0011	0.0014	0.0011	0.0012	0.0011	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7943	0.8054	0.0212	0.0131
10 mph	0.0090	0.2204	0.0093	0.0066	0.0252	0.0327	0.0048	0.0126
15 mph	0.0073	0.1602	0.0080	0.0054	0.0192	0.0261	0.0037	0.0094
20 mph	0.0059	0.1227	0.0067	0.0045	0.0159	0.0217	0.0031	0.0066
25 mph	0.0048	0.0982	0.0057	0.0038	0.0132	0.0182	0.0029	0.0070
30 mph	0.0041	0.0824	0.0050	0.0033	0.0116	0.0159	0.0031	0.0075
35 mph	0.0035	0.0725	0.0045	0.0030	0.0106	0.0144	0.0037	0.0089
40 mph	0.0032	0.0664	0.0042	0.0027	0.0098	0.0133	0.0047	0.0112
45 mph	0.0031	0.0634	0.0039	0.0026	0.0093	0.0125	0.0060	0.0144
50 mph	0.0029	0.0635	0.0036	0.0024	0.0090	0.0120	0.0077	0.0184
55 mph	0.0029	0.0665	0.0035	0.0024	0.0088	0.0116	0.0098	0.0240
60 mph	0.0030	0.0725	0.0034	0.0024	0.0089	0.0117	0.0123	0.0295
65 mph	0.0031	0.0834	0.0035	0.0025	0.0099	0.0126		
70 mph	0.0032	0.0987	0.0036	0.0027	0.0152	0.0162		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0401
10 mph								0.0069
15 mph								0.0057
20 mph								0.0049
25 mph								0.0044
30 mph								0.0041
35 mph								0.0038
40 mph								0.0037
45 mph								0.0037
50 mph								0.0037
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0243	0.0024	0.0096	0.0082	0.0035	0.0010	0.0016	0.0000	0.0506
15 mph	0.0065	0.0006	0.0026	0.0022	0.0009	0.0003	0.0004	0.0000	0.0134
20 mph	0.0090	0.0009	0.0036	0.0031	0.0013	0.0004	0.0005	0.0000	0.0188
25 mph	0.0334	0.0033	0.0133	0.0113	0.0049	0.0014	0.0020	0.0000	0.0697
30 mph	0.0287	0.0029	0.0114	0.0097	0.0042	0.0012	0.0014	0.0000	0.0595
35 mph	0.0193	0.0019	0.0077	0.0065	0.0028	0.0008	0.0005	0.0000	0.0396
40 mph	0.0056	0.0006	0.0022	0.0019	0.0008	0.0002	0.0005	0.0000	0.0118
45 mph	0.0043	0.0004	0.0017	0.0014	0.0006	0.0002	0.0004	0.0000	0.0090
50 mph	0.0041	0.0004	0.0016	0.0014	0.0006	0.0002	0.0006	0.0000	0.0089
55 mph	0.0033	0.0003	0.0013	0.0011	0.0005	0.0001	0.0001	0.0000	0.0069
60 mph	0.0072	0.0007	0.0028	0.0024	0.0011	0.0003	0.0001	0.0000	0.0147
65 mph	0.0010	0.0001	0.0004	0.0003	0.0002	0.0000	-	-	0.0020
70 mph	-	-	-	-	-	-	-	-	-
total	0.1467	0.0146	0.0582	0.0496	0.0215	0.0060	0.0082	0.0001	0.3049

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0020	0.0002	0.0008	0.0014	0.0008	0.0002	-	-	0.0054
15 mph	0.0013	0.0001	0.0005	0.0009	0.0005	0.0001	-	-	0.0036
20 mph	0.0009	0.0001	0.0004	0.0007	0.0004	0.0001	0.0009	0.0000	0.0034
25 mph	0.0014	0.0001	0.0006	0.0010	0.0005	0.0001	0.0012	0.0000	0.0049
30 mph	0.0022	0.0002	0.0009	0.0015	0.0008	0.0002	0.0015	0.0000	0.0074
35 mph	0.0040	0.0004	0.0016	0.0028	0.0015	0.0004	0.0013	0.0000	0.0120
40 mph	0.0038	0.0004	0.0015	0.0027	0.0015	0.0004	0.0010	0.0000	0.0114
45 mph	0.0028	0.0003	0.0011	0.0020	0.0011	0.0003	0.0007	0.0000	0.0082
50 mph	0.0031	0.0003	0.0012	0.0022	0.0012	0.0003	0.0003	0.0000	0.0085
55 mph	0.0017	0.0002	0.0007	0.0012	0.0007	0.0002	0.0002	0.0000	0.0048
60 mph	0.0011	0.0001	0.0004	0.0008	0.0004	0.0001	0.0125	0.0001	0.0156
65 mph	0.0004	0.0000	0.0002	0.0003	0.0002	0.0000	-	-	0.0011
70 mph	0.0212	0.0021	0.0082	0.0146	0.0080	0.0022	-	-	0.0562
total	0.0460	0.0046	0.0180	0.0320	0.0175	0.0048	0.0196	0.0002	0.1426

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0035	0.0010	0.0014	0.0000	0.0059
15 mph	0.0267	0.0026	0.0106	0.0032	0.0015	0.0004	0.0006	0.0000	0.0456
25 mph	-	-	-	-	0.0015	0.0004	0.0013	0.0000	0.0032
35 mph	0.0381	0.0038	0.0151	0.0042	-	-	-	-	0.0612
total	0.0648	0.0065	0.0257	0.0073	0.0064	0.0018	0.0034	0.0000	0.1159

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0035	0.0010	0.0014	0.0000	0.0059
10 mph	0.0263	0.0026	0.0104	0.0096	0.0043	0.0012	0.0016	0.0000	0.0560
15 mph	0.0344	0.0034	0.0137	0.0063	0.0029	0.0008	0.0009	0.0000	0.0626
20 mph	0.0100	0.0010	0.0040	0.0037	0.0017	0.0005	0.0014	0.0000	0.0223
25 mph	0.0348	0.0035	0.0139	0.0123	0.0069	0.0019	0.0045	0.0000	0.0779
30 mph	0.0308	0.0031	0.0123	0.0112	0.0050	0.0014	0.0030	0.0000	0.0668
35 mph	0.0614	0.0061	0.0243	0.0135	0.0044	0.0012	0.0018	0.0000	0.1128
40 mph	0.0094	0.0009	0.0037	0.0046	0.0023	0.0006	0.0015	0.0000	0.0232
45 mph	0.0071	0.0007	0.0028	0.0034	0.0017	0.0005	0.0010	0.0000	0.0172
50 mph	0.0072	0.0007	0.0028	0.0035	0.0018	0.0005	0.0009	0.0000	0.0174
55 mph	0.0051	0.0005	0.0020	0.0023	0.0012	0.0003	0.0003	0.0000	0.0117
60 mph	0.0083	0.0008	0.0033	0.0032	0.0015	0.0004	0.0127	0.0001	0.0303
65 mph	0.0014	0.0001	0.0006	0.0006	0.0003	0.0001	-	-	0.0031
70 mph	0.0212	0.0021	0.0082	0.0146	0.0080	0.0022	-	-	0.0562
total	0.2574	0.0256	0.1020	0.0890	0.0454	0.0125	0.0312	0.0003	0.5634

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0005	0.0000	0.0002	0.0003	0.0161	0.0143	0.0097	0.0468	0.0878
15 mph	0.0002	0.0000	0.0001	0.0001	0.0049	0.0046	0.0025	0.0116	0.0239
20 mph	0.0003	0.0000	0.0001	0.0002	0.0081	0.0076	0.0042	0.0163	0.0367
25 mph	0.0010	0.0000	0.0004	0.0007	0.0338	0.0319	0.0215	0.0960	0.1854
30 mph	0.0010	0.0000	0.0004	0.0007	0.0326	0.0307	0.0209	0.0930	0.1794
35 mph	0.0007	0.0000	0.0003	0.0005	0.0244	0.0227	0.0112	0.0496	0.1094
40 mph	0.0002	0.0000	0.0001	0.0002	0.0075	0.0070	0.0156	0.0694	0.1000
45 mph	0.0002	0.0000	0.0001	0.0001	0.0059	0.0055	0.0161	0.0716	0.0994
50 mph	0.0002	0.0000	0.0001	0.0001	0.0057	0.0052	0.0336	0.1484	0.1934
55 mph	0.0001	0.0000	0.0000	0.0001	0.0045	0.0041	0.0099	0.0447	0.0633
60 mph	0.0003	0.0000	0.0001	0.0002	0.0091	0.0082	0.0123	0.0550	0.0852
65 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0011	-	-	0.0024
70 mph	-	-	-	-	-	-	-	-	-
total	0.0046	0.0002	0.0016	0.0031	0.1541	0.1428	0.1576	0.7025	1.1665

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0001	0.0034	0.0031	-	-	0.0066
15 mph	0.0000	0.0000	0.0000	0.0000	0.0026	0.0025	-	-	0.0052
20 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0020	0.0075	0.0294	0.0412
25 mph	0.0000	0.0000	0.0000	0.0001	0.0036	0.0034	0.0124	0.0550	0.0746
30 mph	0.0001	0.0000	0.0000	0.0001	0.0064	0.0060	0.0227	0.1006	0.1358
35 mph	0.0001	0.0000	0.0001	0.0002	0.0131	0.0122	0.0269	0.1193	0.1718
40 mph	0.0001	0.0000	0.0001	0.0002	0.0135	0.0125	0.0310	0.1376	0.1951
45 mph	0.0001	0.0000	0.0000	0.0002	0.0102	0.0094	0.0290	0.1291	0.1779
50 mph	0.0001	0.0000	0.0000	0.0002	0.0111	0.0101	0.0187	0.0823	0.1226
55 mph	0.0001	0.0000	0.0000	0.0001	0.0060	0.0054	0.0119	0.0537	0.0772
60 mph	0.0000	0.0000	0.0000	0.0001	0.0037	0.0033	1.0387	4.6254	5.6712
65 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0012	-	-	0.0026
70 mph	0.0007	0.0000	0.0002	0.0010	0.0955	0.0701	-	-	0.1675
total	0.0015	0.0001	0.0005	0.0023	0.1726	0.1411	1.1986	5.3325	6.8492

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0636	0.0443	0.0049	0.0056	0.1183
15 mph	0.0007	0.0000	0.0002	0.0001	0.0077	0.0072	0.0042	0.0194	0.0395
25 mph	-	-	-	-	0.0101	0.0095	0.0143	0.0636	0.0976
35 mph	0.0014	0.0000	0.0005	0.0003	-	-	-	-	0.0023
total	0.0020	0.0001	0.0007	0.0005	0.0815	0.0610	0.0233	0.0885	0.2577

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0636	0.0443	0.0049	0.0056	0.1183
10 mph	0.0005	0.0000	0.0002	0.0004	0.0195	0.0174	0.0097	0.0468	0.0945
15 mph	0.0009	0.0000	0.0003	0.0003	0.0153	0.0142	0.0067	0.0310	0.0686
20 mph	0.0003	0.0000	0.0001	0.0002	0.0103	0.0096	0.0117	0.0457	0.0780
25 mph	0.0011	0.0000	0.0004	0.0008	0.0476	0.0448	0.0482	0.2146	0.3575
30 mph	0.0011	0.0000	0.0004	0.0008	0.0390	0.0367	0.0436	0.1936	0.3152
35 mph	0.0022	0.0001	0.0009	0.0010	0.0374	0.0349	0.0381	0.1689	0.2835
40 mph	0.0004	0.0000	0.0001	0.0004	0.0210	0.0195	0.0466	0.2071	0.2951
45 mph	0.0003	0.0000	0.0001	0.0003	0.0161	0.0148	0.0451	0.2007	0.2773
50 mph	0.0003	0.0000	0.0001	0.0003	0.0168	0.0153	0.0523	0.2308	0.3160
55 mph	0.0002	0.0000	0.0001	0.0002	0.0105	0.0095	0.0217	0.0983	0.1405
60 mph	0.0003	0.0000	0.0001	0.0002	0.0128	0.0115	1.0510	4.6804	5.7563
65 mph	0.0000	0.0000	0.0000	0.0000	0.0026	0.0023	-	-	0.0050
70 mph	0.0007	0.0000	0.0002	0.0010	0.0955	0.0701	-	-	0.1675
total	0.0082	0.0003	0.0029	0.0058	0.4081	0.3450	1.3796	6.1235	8.2734

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0015	0.0015
15 mph								0.0004	0.0004
20 mph								0.0007	0.0007
25 mph								0.0036	0.0036
30 mph								0.0030	0.0030
35 mph								0.0013	0.0013
40 mph								0.0014	0.0014
45 mph								0.0011	0.0011
50 mph								0.0018	0.0018
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0149	0.0149

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0013	0.0013
25 mph								0.0021	0.0021
30 mph								0.0033	0.0033
35 mph								0.0031	0.0031
40 mph								0.0028	0.0028
45 mph								0.0020	0.0020
50 mph								0.0010	0.0010
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0098	0.0098

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0007	0.0007
25 mph								0.0024	0.0024
35 mph								-	-
total	-	-	-	-	-	-	-	0.0041	0.0041

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0015	0.0015
15 mph								0.0011	0.0011
20 mph								0.0020	0.0020
25 mph								0.0081	0.0081
30 mph								0.0063	0.0063
35 mph								0.0044	0.0044
40 mph								0.0042	0.0042
45 mph								0.0031	0.0031
50 mph								0.0028	0.0028
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0346	0.0346

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0671	0.0452	0.0063	0.0066	0.1253
10 mph	0.0268	0.0026	0.0106	0.0100	0.0238	0.0186	0.0113	0.0484	0.1520
15 mph	0.0353	0.0034	0.0140	0.0066	0.0182	0.0150	0.0076	0.0321	0.1323
20 mph	0.0103	0.0010	0.0041	0.0039	0.0120	0.0101	0.0131	0.0478	0.1023
25 mph	0.0359	0.0035	0.0142	0.0131	0.0545	0.0467	0.0527	0.2227	0.4434
30 mph	0.0319	0.0031	0.0126	0.0120	0.0440	0.0381	0.0466	0.2000	0.3884
35 mph	0.0636	0.0062	0.0252	0.0145	0.0418	0.0361	0.0399	0.1733	0.4007
40 mph	0.0098	0.0010	0.0039	0.0050	0.0233	0.0201	0.0482	0.2112	0.3224
45 mph	0.0073	0.0007	0.0029	0.0037	0.0178	0.0153	0.0461	0.2038	0.2976
50 mph	0.0074	0.0007	0.0029	0.0038	0.0186	0.0158	0.0532	0.2336	0.3362
55 mph	0.0053	0.0005	0.0021	0.0025	0.0117	0.0098	0.0221	0.0983	0.1523
60 mph	0.0086	0.0008	0.0034	0.0034	0.0143	0.0119	1.0637	4.6805	5.7866
65 mph	0.0015	0.0001	0.0006	0.0006	0.0029	0.0024	-	-	0.0081
70 mph	0.0218	0.0021	0.0084	0.0156	0.1035	0.0723	-	-	0.2237
STREX	0.0062	0.0006	0.0024	0.0061	0.0005	0.0001	0.0002	0.0000	0.0161
total	0.2718	0.0265	0.1073	0.1010	0.4540	0.3576	1.4110	6.1584	**8.8874**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0015	0.0019	0.0015	0.0016	0.0004	0.0003	0.0004	0.0006
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0062	0.0006	0.0024	0.0061	0.0005	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0062	0.0006	0.0024	0.0061	0.0005	0.0001	0.0002	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	4.5449	0.3453	1.7050	1.4271	1.2155	0.4181	0.8573	0.0036
Diesel	0.0489	0.0001	0.0147	0.0416	1.1291	0.8860	4.7646	5.9706
Electric/NG	0.1828	0.0071	0.0441	0.0374	-	-	-	0.3663
Total	4.7767	0.3524	1.7637	1.5061	2.3446	1.3041	5.6219	6.3405

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.8795	0.1428	0.7051	1.2325	1.3032	0.4482	3.0909	0.0129
Diesel	0.0202	0.0000	0.0061	0.0359	1.2106	0.9499	17.1788	21.5271
Electric/NG	0.0756	0.0029	0.0182	0.0323	-	-	-	1.3207
Total	1.9753	0.1457	0.7294	1.3007	2.5138	1.3982	20.2697	22.8607

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.9911	0.1513	0.7469	0.2056	0.1110	0.0382	0.1536	0.0006
Diesel	0.0214	0.0000	0.0064	0.0060	0.1031	0.0809	0.8537	1.0698
Electric/NG	0.0801	0.0031	0.0193	0.0054	-	-	-	0.0656
Total	2.0926	0.1544	0.7727	0.2169	0.2142	0.1191	1.0073	1.1361

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	8.4155	0.6394	3.1570	2.8652	2.6297	0.9045	4.1017	0.0171	22.7300
Diesel	0.0906	0.0001	0.0272	0.0834	2.4428	1.9169	22.7972	28.5676	55.9258
Electric/NG	0.3385	0.0131	0.0816	0.0751	-	-	-	1.7526	2.2610
Total	8.8446	0.6526	3.2658	3.0238	5.0725	2.8213	26.8989	30.3373	**80.9168**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	62.9349
Internal	66.0062
Total	**128.9410**

World Logistics Center
Mobile Emissions - 2028 (Net) - Unmitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0355	0.0333	0.0321	0.0351
10 mph	0.0044	0.0057	0.0047	0.0047	0.0045	0.0042	0.0041	0.0045
15 mph	0.0029	0.0038	0.0031	0.0032	0.0030	0.0028	0.0027	0.0030
20 mph	0.0020	0.0027	0.0022	0.0022	0.0021	0.0020	0.0019	0.0021
25 mph	0.0015	0.0020	0.0016	0.0016	0.0016	0.0015	0.0014	0.0016
30 mph	0.0012	0.0016	0.0013	0.0013	0.0012	0.0011	0.0011	0.0012
35 mph	0.0010	0.0013	0.0010	0.0010	0.0010	0.0009	0.0009	0.0010
40 mph	0.0008	0.0011	0.0009	0.0009	0.0009	0.0008	0.0008	0.0009
45 mph	0.0008	0.0010	0.0008	0.0008	0.0008	0.0007	0.0007	0.0008
50 mph	0.0007	0.0010	0.0008	0.0008	0.0008	0.0007	0.0007	0.0008
55 mph	0.0008	0.0010	0.0008	0.0008	0.0008	0.0007	0.0007	0.0008
60 mph	0.0008	0.0011	0.0009	0.0009	0.0009	0.0008	0.0008	0.0009
65 mph	0.0009	0.0012	0.0010	0.0010	0.0010	0.0009		
70 mph	0.0010	0.0013	0.0010	0.0011	0.0010	0.0009		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7600	0.7706	0.0203	0.0125
10 mph	0.0086	0.2109	0.0089	0.0063	0.0241	0.0313	0.0046	0.0120
15 mph	0.0070	0.1533	0.0076	0.0052	0.0184	0.0250	0.0036	0.0090
20 mph	0.0056	0.1174	0.0064	0.0043	0.0152	0.0208	0.0030	0.0063
25 mph	0.0046	0.0940	0.0055	0.0036	0.0127	0.0174	0.0028	0.0067
30 mph	0.0039	0.0789	0.0048	0.0032	0.0111	0.0153	0.0030	0.0072
35 mph	0.0034	0.0694	0.0043	0.0029	0.0101	0.0138	0.0036	0.0085
40 mph	0.0031	0.0636	0.0040	0.0026	0.0094	0.0127	0.0045	0.0107
45 mph	0.0029	0.0606	0.0037	0.0025	0.0089	0.0119	0.0057	0.0138
50 mph	0.0028	0.0607	0.0035	0.0023	0.0086	0.0114	0.0074	0.0176
55 mph	0.0028	0.0636	0.0033	0.0023	0.0084	0.0111	0.0094	0.0229
60 mph	0.0029	0.0694	0.0033	0.0023	0.0086	0.0112	0.0118	0.0283
65 mph	0.0030	0.0798	0.0033	0.0024	0.0095	0.0120		
70 mph	0.0031	0.0945	0.0034	0.0026	0.0145	0.0155		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0383
10 mph								0.0066
15 mph								0.0054
20 mph								0.0046
25 mph								0.0042
30 mph								0.0039
35 mph								0.0037
40 mph								0.0036
45 mph								0.0035
50 mph								0.0036
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0223	0.0022	0.0089	0.0075	0.0032	0.0009	0.0015	0.0000	0.0466
15 mph	0.0059	0.0006	0.0024	0.0020	0.0009	0.0002	0.0003	0.0000	0.0123
20 mph	0.0083	0.0008	0.0033	0.0028	0.0012	0.0003	0.0005	0.0000	0.0173
25 mph	0.0307	0.0031	0.0122	0.0104	0.0045	0.0013	0.0019	0.0000	0.0641
30 mph	0.0264	0.0026	0.0105	0.0089	0.0039	0.0011	0.0013	0.0000	0.0547
35 mph	0.0177	0.0018	0.0070	0.0060	0.0026	0.0007	0.0005	0.0000	0.0364
40 mph	0.0051	0.0005	0.0020	0.0017	0.0008	0.0002	0.0005	0.0000	0.0108
45 mph	0.0039	0.0004	0.0016	0.0013	0.0006	0.0002	0.0003	0.0000	0.0083
50 mph	0.0038	0.0004	0.0015	0.0013	0.0006	0.0002	0.0005	0.0000	0.0082
55 mph	0.0031	0.0003	0.0012	0.0010	0.0005	0.0001	0.0001	0.0000	0.0063
60 mph	0.0066	0.0007	0.0026	0.0022	0.0010	0.0003	0.0001	0.0000	0.0135
65 mph	0.0009	0.0001	0.0004	0.0003	0.0001	0.0000	-	-	0.0019
70 mph	-	-	-	-	-	-	-	-	-
total	0.1349	0.0134	0.0535	0.0457	0.0198	0.0055	0.0076	0.0001	0.2804

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0018	0.0002	0.0007	0.0013	0.0007	0.0002	-	-	0.0050
15 mph	0.0012	0.0001	0.0005	0.0009	0.0005	0.0001	-	-	0.0033
20 mph	0.0009	0.0001	0.0003	0.0006	0.0003	0.0001	0.0008	0.0000	0.0032
25 mph	0.0013	0.0001	0.0005	0.0009	0.0005	0.0001	0.0011	0.0000	0.0045
30 mph	0.0020	0.0002	0.0008	0.0014	0.0008	0.0002	0.0014	0.0000	0.0068
35 mph	0.0037	0.0004	0.0015	0.0026	0.0014	0.0004	0.0012	0.0000	0.0110
40 mph	0.0035	0.0004	0.0014	0.0025	0.0013	0.0004	0.0009	0.0000	0.0104
45 mph	0.0026	0.0003	0.0010	0.0018	0.0010	0.0003	0.0006	0.0000	0.0076
50 mph	0.0028	0.0003	0.0011	0.0020	0.0011	0.0003	0.0003	0.0000	0.0079
55 mph	0.0016	0.0002	0.0006	0.0011	0.0006	0.0002	0.0002	0.0000	0.0044
60 mph	0.0010	0.0001	0.0004	0.0007	0.0004	0.0001	0.0115	0.0001	0.0144
65 mph	0.0004	0.0000	0.0002	0.0003	0.0001	0.0000	-	-	0.0010
70 mph	0.0195	0.0019	0.0076	0.0134	0.0074	0.0020	-	-	0.0517
total	0.0423	0.0042	0.0166	0.0295	0.0161	0.0044	0.0180	0.0001	0.1311

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0032	0.0009	0.0013	0.0000	0.0054
15 mph	0.0245	0.0024	0.0097	0.0029	0.0014	0.0004	0.0005	0.0000	0.0419
25 mph	-	-	-	-	0.0013	0.0004	0.0012	0.0000	0.0030
35 mph	0.0350	0.0035	0.0139	0.0038	-	-	-	-	0.0563
total	0.0596	0.0059	0.0236	0.0068	0.0059	0.0017	0.0031	0.0000	0.1066

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0032	0.0009	0.0013	0.0000	0.0054
10 mph	0.0242	0.0024	0.0096	0.0088	0.0039	0.0011	0.0015	0.0000	0.0515
15 mph	0.0317	0.0031	0.0126	0.0058	0.0027	0.0008	0.0009	0.0000	0.0575
20 mph	0.0092	0.0009	0.0037	0.0034	0.0015	0.0004	0.0013	0.0000	0.0205
25 mph	0.0320	0.0032	0.0127	0.0113	0.0063	0.0018	0.0042	0.0000	0.0716
30 mph	0.0284	0.0028	0.0113	0.0103	0.0046	0.0013	0.0027	0.0000	0.0615
35 mph	0.0565	0.0057	0.0224	0.0124	0.0040	0.0011	0.0017	0.0000	0.1037
40 mph	0.0087	0.0009	0.0034	0.0042	0.0021	0.0006	0.0014	0.0000	0.0213
45 mph	0.0065	0.0007	0.0026	0.0032	0.0016	0.0004	0.0010	0.0000	0.0158
50 mph	0.0066	0.0007	0.0026	0.0033	0.0016	0.0004	0.0008	0.0000	0.0160
55 mph	0.0047	0.0005	0.0018	0.0022	0.0011	0.0003	0.0003	0.0000	0.0108
60 mph	0.0076	0.0008	0.0030	0.0029	0.0014	0.0004	0.0116	0.0001	0.0278
65 mph	0.0013	0.0001	0.0005	0.0006	0.0003	0.0001	-	-	0.0029
70 mph	0.0195	0.0019	0.0076	0.0134	0.0074	0.0020	-	-	0.0517
total	0.2367	0.0235	0.0938	0.0819	0.0417	0.0115	0.0287	0.0002	0.5181

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0005	0.0000	0.0001	0.0003	0.0154	0.0137	0.0092	0.0448	0.0840
15 mph	0.0002	0.0000	0.0000	0.0001	0.0047	0.0044	0.0024	0.0111	0.0229
20 mph	0.0002	0.0000	0.0001	0.0002	0.0078	0.0073	0.0040	0.0156	0.0351
25 mph	0.0010	0.0000	0.0004	0.0007	0.0324	0.0305	0.0206	0.0918	0.1773
30 mph	0.0009	0.0000	0.0003	0.0006	0.0312	0.0294	0.0200	0.0890	0.1716
35 mph	0.0007	0.0000	0.0003	0.0005	0.0233	0.0218	0.0107	0.0475	0.1047
40 mph	0.0002	0.0000	0.0001	0.0001	0.0072	0.0067	0.0150	0.0664	0.0957
45 mph	0.0002	0.0000	0.0001	0.0001	0.0057	0.0052	0.0154	0.0685	0.0951
50 mph	0.0002	0.0000	0.0001	0.0001	0.0055	0.0050	0.0322	0.1420	0.1851
55 mph	0.0001	0.0000	0.0000	0.0001	0.0043	0.0039	0.0095	0.0427	0.0606
60 mph	0.0003	0.0000	0.0001	0.0002	0.0087	0.0078	0.0118	0.0526	0.0815
65 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0011	-	-	0.0023
70 mph	-	-	-	-	-	-	-	-	-
total	0.0044	0.0001	0.0016	0.0030	0.1474	0.1367	0.1508	0.6721	1.1160

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0001	0.0033	0.0029	-	-	0.0063
15 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0023	-	-	0.0049
20 mph	0.0000	0.0000	0.0000	0.0000	0.0021	0.0019	0.0072	0.0281	0.0394
25 mph	0.0000	0.0000	0.0000	0.0001	0.0035	0.0033	0.0118	0.0527	0.0713
30 mph	0.0001	0.0000	0.0000	0.0001	0.0061	0.0057	0.0217	0.0963	0.1300
35 mph	0.0001	0.0000	0.0001	0.0002	0.0125	0.0117	0.0257	0.1141	0.1644
40 mph	0.0001	0.0000	0.0001	0.0002	0.0129	0.0120	0.0297	0.1317	0.1866
45 mph	0.0001	0.0000	0.0000	0.0002	0.0097	0.0090	0.0277	0.1235	0.1702
50 mph	0.0001	0.0000	0.0000	0.0002	0.0106	0.0097	0.0179	0.0788	0.1173
55 mph	0.0001	0.0000	0.0000	0.0001	0.0058	0.0052	0.0114	0.0514	0.0738
60 mph	0.0000	0.0000	0.0000	0.0001	0.0035	0.0031	0.9937	4.4253	5.4258
65 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0011	-	-	0.0025
70 mph	0.0006	0.0000	0.0002	0.0010	0.0913	0.0671	-	-	0.1602
total	0.0015	0.0001	0.0005	0.0022	0.1651	0.1350	1.1468	5.1018	6.5529

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0609	0.0423	0.0046	0.0053	0.1132
15 mph	0.0006	0.0000	0.0002	0.0001	0.0074	0.0069	0.0040	0.0185	0.0378
25 mph	-	-	-	-	0.0097	0.0091	0.0137	0.0609	0.0933
35 mph	0.0013	0.0000	0.0005	0.0003	-	-	-	-	0.0022
total	0.0020	0.0001	0.0007	0.0004	0.0780	0.0584	0.0223	0.0847	0.2465

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0609	0.0423	0.0046	0.0053	0.1132
10 mph	0.0005	0.0000	0.0002	0.0003	0.0187	0.0166	0.0092	0.0448	0.0904
15 mph	0.0008	0.0000	0.0003	0.0003	0.0146	0.0136	0.0064	0.0297	0.0656
20 mph	0.0003	0.0000	0.0001	0.0002	0.0099	0.0092	0.0112	0.0438	0.0746
25 mph	0.0010	0.0000	0.0004	0.0007	0.0455	0.0429	0.0461	0.2053	0.3420
30 mph	0.0010	0.0000	0.0004	0.0007	0.0373	0.0351	0.0417	0.1853	0.3016
35 mph	0.0021	0.0001	0.0008	0.0010	0.0358	0.0334	0.0364	0.1616	0.2712
40 mph	0.0003	0.0000	0.0001	0.0004	0.0201	0.0186	0.0446	0.1981	0.2823
45 mph	0.0003	0.0000	0.0001	0.0003	0.0154	0.0142	0.0431	0.1920	0.2653
50 mph	0.0003	0.0000	0.0001	0.0003	0.0161	0.0147	0.0501	0.2208	0.3023
55 mph	0.0002	0.0000	0.0001	0.0002	0.0100	0.0091	0.0208	0.0941	0.1345
60 mph	0.0003	0.0000	0.0001	0.0002	0.0122	0.0110	1.0056	4.4779	5.5073
65 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0022	-	-	0.0048
70 mph	0.0006	0.0000	0.0002	0.0010	0.0913	0.0671	-	-	0.1602
total	0.0078	0.0003	0.0028	0.0056	0.3904	0.3300	1.3199	5.8586	7.9155

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0015	0.0015
15 mph								0.0004	0.0004
20 mph								0.0007	0.0007
25 mph								0.0034	0.0034
30 mph								0.0029	0.0029
35 mph								0.0012	0.0012
40 mph								0.0013	0.0013
45 mph								0.0011	0.0011
50 mph								0.0017	0.0017
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0143	0.0143

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0013	0.0013
25 mph								0.0020	0.0020
30 mph								0.0031	0.0031
35 mph								0.0030	0.0030
40 mph								0.0026	0.0026
45 mph								0.0019	0.0019
50 mph								0.0010	0.0010
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0094	0.0094

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0007	0.0007
25 mph								0.0023	0.0023
35 mph								-	-
total	-	-	-	-	-	-	-	0.0039	0.0039

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0015	0.0015
15 mph								0.0011	0.0011
20 mph								0.0020	0.0020
25 mph								0.0077	0.0077
30 mph								0.0061	0.0061
35 mph								0.0042	0.0042
40 mph								0.0040	0.0040
45 mph								0.0030	0.0030
50 mph								0.0027	0.0027
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0331	0.0331

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0641	0.0432	0.0060	0.0063	0.1196
10 mph	0.0247	0.0024	0.0097	0.0092	0.0226	0.0177	0.0107	0.0463	0.1434
15 mph	0.0325	0.0032	0.0129	0.0061	0.0173	0.0144	0.0073	0.0307	0.1243
20 mph	0.0095	0.0009	0.0037	0.0036	0.0114	0.0097	0.0125	0.0457	0.0970
25 mph	0.0331	0.0032	0.0131	0.0121	0.0519	0.0446	0.0503	0.2131	0.4213
30 mph	0.0294	0.0029	0.0116	0.0111	0.0419	0.0364	0.0445	0.1913	0.3691
35 mph	0.0586	0.0057	0.0232	0.0134	0.0398	0.0345	0.0381	0.1658	0.3791
40 mph	0.0090	0.0009	0.0036	0.0046	0.0222	0.0192	0.0460	0.2021	0.3076
45 mph	0.0068	0.0007	0.0027	0.0034	0.0170	0.0146	0.0441	0.1949	0.2841
50 mph	0.0069	0.0007	0.0027	0.0035	0.0177	0.0151	0.0509	0.2235	0.3210
55 mph	0.0049	0.0005	0.0019	0.0023	0.0111	0.0094	0.0211	0.0941	0.1452
60 mph	0.0079	0.0008	0.0031	0.0032	0.0136	0.0113	1.0172	4.4780	5.5352
65 mph	0.0014	0.0001	0.0005	0.0006	0.0028	0.0023	-	-	0.0077
70 mph	0.0201	0.0019	0.0078	0.0144	0.0987	0.0691	-	-	0.2119
STREX	0.0057	0.0005	0.0022	0.0056	0.0004	0.0001	0.0002	0.0000	0.0148
total	0.2502	0.0244	0.0988	0.0931	0.4326	0.3417	1.3488	5.8920	**8.4814**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0014	0.0017	0.0014	0.0014	0.0003	0.0003	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0057	0.0005	0.0022	0.0056	0.0004	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0057	0.0005	0.0022	0.0056	0.0004	0.0001	0.0002	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.8027	0.1370	0.6763	0.5661	0.5003	0.1730	0.3545	0.0014
Diesel	0.0194	0.0000	0.0058	0.0165	0.4565	0.3610	1.9702	2.1661
Electric/NG	0.0725	0.0028	0.0175	0.0148	-	-	-	0.1329
Total	1.8947	0.1398	0.6996	0.5974	0.9569	0.5340	2.3247	2.3004

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.7455	0.0566	0.2797	0.4889	0.5365	0.1855	1.2781	0.0050
Diesel	0.0080	0.0000	0.0024	0.0142	0.4895	0.3870	7.1037	7.8100
Electric/NG	0.0300	0.0012	0.0072	0.0128	-	-	-	0.4792
Total	0.7835	0.0578	0.2893	0.5159	1.0260	0.5725	8.3819	8.2941

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.7898	0.0600	0.2963	0.0815	0.0457	0.0158	0.0635	0.0002
Diesel	0.0085	0.0000	0.0026	0.0024	0.0417	0.0330	0.3530	0.3881
Electric/NG	0.0318	0.0012	0.0077	0.0021	-	-	-	0.0238
Total	0.8300	0.0612	0.3065	0.0861	0.0874	0.0488	0.4165	0.4122

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	3.3380	0.2536	1.2522	1.1365	1.0825	0.3743	1.6961	0.0066	9.1398
Diesel	0.0359	0.0001	0.0108	0.0331	0.9877	0.7809	9.4270	10.3643	21.6398
Electric/NG	0.1343	0.0052	0.0324	0.0298	-	-	-	0.6359	0.8375
Total	3.5082	0.2588	1.2954	1.1994	2.0702	1.1553	11.1232	11.0067	**31.6172**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	15.4477
Internal	16.2015
Total	**31.6492**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0493	0.0333	0.0046	0.0049	0.0921
10 mph	0.0158	0.0015	0.0062	0.0059	0.0174	0.0136	0.0083	0.0357	0.1044
15 mph	0.0208	0.0020	0.0082	0.0039	0.0133	0.0111	0.0056	0.0237	0.0886
20 mph	0.0060	0.0006	0.0024	0.0023	0.0088	0.0074	0.0096	0.0352	0.0724
25 mph	0.0212	0.0021	0.0084	0.0077	0.0399	0.0344	0.0387	0.1641	0.3164
30 mph	0.0188	0.0018	0.0074	0.0071	0.0323	0.0280	0.0342	0.1473	0.2771
35 mph	0.0375	0.0037	0.0148	0.0086	0.0307	0.0266	0.0293	0.1277	0.2788
40 mph	0.0058	0.0006	0.0023	0.0029	0.0171	0.0148	0.0354	0.1556	0.2345
45 mph	0.0043	0.0004	0.0017	0.0022	0.0131	0.0113	0.0339	0.1501	0.2170
50 mph	0.0044	0.0004	0.0017	0.0023	0.0137	0.0117	0.0392	0.1721	0.2454
55 mph	0.0031	0.0003	0.0012	0.0015	0.0086	0.0072	0.0162	0.0724	0.1106
60 mph	0.0051	0.0005	0.0020	0.0020	0.0105	0.0087	0.7832	3.4481	4.2601
65 mph	0.0009	0.0001	0.0003	0.0004	0.0022	0.0017	-	-	0.0056
70 mph	0.0129	0.0012	0.0050	0.0092	0.0760	0.0532	-	-	0.1574
total	0.1565	0.0152	0.0618	0.0560	0.3328	0.2630	1.0384	4.5368	6.4605

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2028 (Net) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	2,007	2.40	0.32	0.0005	0.94	0.0019	3.82
2	L	2,821	2.40	0.32	0.0005	1.32	0.0019	5.37
3	L	2,675	2.40	0.32	0.0005	1.25	0.0019	5.10
5	L	4,325	2.40	0.32	0.0005	2.02	0.0019	8.24
6	L	8,671	2.40	0.32	0.0005	4.05	0.0019	16.52
8	L	6,463	2.40	0.32	0.0005	3.02	0.0019	12.31
11	L	(1,303)	2.40	0.32	0.0005	(0.61)	0.0019	(2.48)
12	L	(1,985)	2.40	0.32	0.0005	(0.93)	0.0019	(3.78)
14	L	(1,064)	2.40	0.32	0.0005	(0.50)	0.0019	(2.03)
18	L	1,123	2.40	0.32	0.0005	0.53	0.0019	2.14
19	L	5,353	2.40	0.32	0.0005	2.50	0.0019	10.20
21	L	2,750	2.40	0.32	0.0005	1.29	0.0019	5.24
24	L	6,186	2.40	0.32	0.0005	2.89	0.0019	11.79
30	L	(6,076)	2.40	0.32	0.0005	(2.84)	0.0019	(11.58)
29	L	2,909	2.40	0.32	0.0005	1.36	0.0019	5.54
31	L	(209)	2.40	0.32	0.0005	(0.10)	0.0019	(0.40)
TOTAL						16.20		66.01

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2028 (Net) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	151,138	2.40	0.032	0.0001	8.70	0.0002	35.42
Freeway	F	233,895	2.40	0.015	0.0000	6.75	0.0001	27.51
TOTAL		385,033				15.45		62.93

World Logistics Center
Mobile Emissions - 2028 (Net) - Unmitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0053	0.0086	0.0072	0.0084	0.0112	0.0126	0.0205	0.2036
15 mph	0.0047	0.0075	0.0063	0.0073	0.0098	0.0110	0.0181	0.1799
20 mph	0.0042	0.0067	0.0056	0.0065	0.0090	0.0100	0.0164	0.1625
25 mph	0.0038	0.0060	0.0051	0.0059	0.0083	0.0091	0.0149	0.1488
30 mph	0.0036	0.0056	0.0047	0.0055	0.0078	0.0085	0.0137	0.1387
35 mph	0.0034	0.0053	0.0044	0.0052	0.0074	0.0080	0.0128	0.1314
40 mph	0.0032	0.0050	0.0042	0.0050	0.0071	0.0077	0.0122	0.1260
45 mph	0.0031	0.0049	0.0041	0.0048	0.0070	0.0075	0.0118	0.1226
50 mph	0.0031	0.0049	0.0041	0.0048	0.0070	0.0074	0.0117	0.1215
55 mph	0.0031	0.0050	0.0042	0.0049	0.0071	0.0075	0.0118	0.1231
60 mph	0.0032	0.0053	0.0043	0.0051	0.0074	0.0078	0.0122	0.1271
65 mph	0.0034	0.0056	0.0046	0.0054	0.0078	0.0082	0.0129	0.1330
70 mph	0.0036	0.0063	0.0048	0.0058	0.0086	0.0084	0.0128	0.1414

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0587	0.1268	0.0791	0.0984	0.1440	0.1611	0.2814	0.4530
15 mph	0.0483	0.1055	0.0656	0.0834	0.0937	0.1068	0.2214	0.3345
20 mph	0.0396	0.0867	0.0539	0.0693	0.0799	0.0912	0.1891	0.2788
25 mph	0.0332	0.0724	0.0452	0.0587	0.0709	0.0813	0.1651	0.2369
30 mph	0.0288	0.0623	0.0391	0.0508	0.0645	0.0734	0.1449	0.2076
35 mph	0.0260	0.0558	0.0352	0.0462	0.0646	0.0736	0.1295	0.1891
40 mph	0.0244	0.0520	0.0329	0.0432	0.0629	0.0710	0.1187	0.1726
45 mph	0.0235	0.0502	0.0317	0.0416	0.0614	0.0682	0.1125	0.1632
50 mph	0.0236	0.0502	0.0317	0.0418	0.0644	0.0708	0.1110	0.1584
55 mph	0.0247	0.0525	0.0332	0.0441	0.0672	0.0732	0.1141	0.1639
60 mph	0.0268	0.0569	0.0360	0.0478	0.0679	0.0735	0.1219	0.1737
65 mph	0.0301	0.0634	0.0404	0.0538	0.0689	0.0739	0.1344	0.1884
70 mph	0.0328	0.0661	0.0431	0.0588	0.0705	0.0756	0.1355	0.1909

*US EPA Emission Factors for Greenhouse Gas Inventories. (Idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.9086
15 mph								0.7624
20 mph								0.6655
25 mph								0.6131
30 mph								0.5796
35 mph								0.5530
40 mph								0.5313
45 mph								0.5131
50 mph								0.4975
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0271	0.0033	0.0137	0.0133	0.0080	0.0027	0.0074	0.0005	0.0761
15 mph	0.0095	0.0012	0.0048	0.0047	0.0028	0.0009	0.0022	0.0002	0.0262
20 mph	0.0171	0.0021	0.0086	0.0083	0.0052	0.0017	0.0040	0.0003	0.0472
25 mph	0.0779	0.0093	0.0390	0.0379	0.0238	0.0078	0.0197	0.0014	0.2168
30 mph	0.0796	0.0095	0.0396	0.0387	0.0245	0.0080	0.0165	0.0012	0.2176
35 mph	0.0614	0.0073	0.0305	0.0299	0.0192	0.0062	0.0069	0.0005	0.1620
40 mph	0.0196	0.0023	0.0097	0.0095	0.0062	0.0020	0.0074	0.0006	0.0572
45 mph	0.0158	0.0019	0.0078	0.0077	0.0050	0.0016	0.0057	0.0004	0.0460
50 mph	0.0156	0.0019	0.0078	0.0076	0.0050	0.0016	0.0091	0.0007	0.0493
55 mph	0.0126	0.0015	0.0063	0.0062	0.0041	0.0013	0.0021	0.0002	0.0344
60 mph	0.0263	0.0033	0.0132	0.0130	0.0085	0.0027	0.0022	0.0002	0.0693
65 mph	0.0034	0.0004	0.0017	0.0017	0.0011	0.0004	-	-	0.0088
70 mph	-	-	-	-	-	-	-	-	-
total	0.3658	0.0440	0.1829	0.1786	0.1135	0.0370	0.0832	0.0061	1.0110

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0022	0.0003	0.0011	0.0023	0.0017	0.0006	-	-	0.0083
15 mph	0.0020	0.0002	0.0010	0.0020	0.0015	0.0005	-	-	0.0072
20 mph	0.0018	0.0002	0.0009	0.0018	0.0014	0.0005	0.0071	0.0005	0.0142
25 mph	0.0032	0.0004	0.0016	0.0033	0.0025	0.0008	0.0113	0.0008	0.0240
30 mph	0.0060	0.0007	0.0030	0.0061	0.0048	0.0016	0.0178	0.0013	0.0412
35 mph	0.0127	0.0015	0.0063	0.0129	0.0103	0.0033	0.0167	0.0012	0.0649
40 mph	0.0135	0.0016	0.0067	0.0137	0.0110	0.0036	0.0146	0.0011	0.0658
45 mph	0.0104	0.0012	0.0052	0.0106	0.0086	0.0028	0.0103	0.0008	0.0499
50 mph	0.0116	0.0014	0.0058	0.0119	0.0097	0.0031	0.0051	0.0004	0.0489
55 mph	0.0065	0.0008	0.0033	0.0067	0.0055	0.0017	0.0026	0.0002	0.0273
60 mph	0.0041	0.0005	0.0021	0.0042	0.0034	0.0011	0.1861	0.0140	0.2155
65 mph	0.0014	0.0002	0.0007	0.0015	0.0012	0.0004	-	-	0.0054
70 mph	0.0687	0.0092	0.0345	0.0734	0.0612	0.0178	-	-	0.2649
total	0.1441	0.0183	0.0721	0.1504	0.1229	0.0377	0.2715	0.0204	0.8374

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0012	0.0004	0.0006	0.0000	0.0021
15 mph	0.0393	0.0048	0.0198	0.0068	0.0045	0.0015	0.0036	0.0003	0.0805
25 mph	-	-	-	-	0.0071	0.0023	0.0131	0.0009	0.0235
35 mph	0.1213	0.0144	0.0603	0.0191	-	-	-	-	0.2151
total	0.1606	0.0192	0.0801	0.0258	0.0128	0.0042	0.0173	0.0012	0.3212

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0012	0.0004	0.0006	0.0000	0.0021
10 mph	0.0293	0.0036	0.0148	0.0156	0.0098	0.0033	0.0074	0.0005	0.0844
15 mph	0.0508	0.0062	0.0256	0.0134	0.0088	0.0030	0.0058	0.0004	0.1140
20 mph	0.0189	0.0023	0.0095	0.0101	0.0066	0.0022	0.0111	0.0008	0.0614
25 mph	0.0811	0.0097	0.0406	0.0412	0.0334	0.0110	0.0441	0.0032	0.2643
30 mph	0.0856	0.0102	0.0426	0.0447	0.0293	0.0096	0.0343	0.0025	0.2588
35 mph	0.1955	0.0233	0.0971	0.0618	0.0295	0.0096	0.0236	0.0018	0.4420
40 mph	0.0330	0.0039	0.0164	0.0232	0.0172	0.0055	0.0220	0.0016	0.1230
45 mph	0.0262	0.0031	0.0130	0.0183	0.0137	0.0044	0.0159	0.0012	0.0959
50 mph	0.0272	0.0033	0.0136	0.0195	0.0147	0.0047	0.0142	0.0011	0.0982
55 mph	0.0192	0.0023	0.0096	0.0129	0.0096	0.0030	0.0047	0.0004	0.0617
60 mph	0.0303	0.0038	0.0153	0.0172	0.0119	0.0038	0.1883	0.0142	0.2848
65 mph	0.0049	0.0006	0.0025	0.0032	0.0023	0.0007	-	-	0.0142
70 mph	0.0687	0.0092	0.0345	0.0734	0.0612	0.0178	-	-	0.2649
total	0.6706	0.0815	0.3351	0.3548	0.2491	0.0789	0.3719	0.0277	2.1695

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0032	0.0000	0.0013	0.0046	0.0919	0.0705	0.5652	1.6871	2.4238
15 mph	0.0011	0.0000	0.0004	0.0015	0.0239	0.0187	0.1482	0.4152	0.6091
20 mph	0.0017	0.0000	0.0007	0.0026	0.0408	0.0320	0.2532	0.6922	1.0232
25 mph	0.0073	0.0000	0.0030	0.0109	0.1810	0.1424	1.2155	3.2345	4.7945
30 mph	0.0069	0.0000	0.0028	0.0104	0.1810	0.1414	0.9703	2.5775	3.8904
35 mph	0.0051	0.0000	0.0021	0.0077	0.1484	0.1160	0.3901	1.0563	1.7257
40 mph	0.0016	0.0000	0.0006	0.0024	0.0482	0.0373	0.3972	1.0711	1.5584
45 mph	0.0013	0.0000	0.0005	0.0019	0.0392	0.0299	0.3011	0.8101	1.1841
50 mph	0.0013	0.0000	0.0005	0.0019	0.0411	0.0310	0.4828	1.2780	1.8367
55 mph	0.0011	0.0000	0.0004	0.0016	0.0343	0.0257	0.1146	0.3052	0.4829
60 mph	0.0023	0.0000	0.0009	0.0036	0.0693	0.0515	0.1224	0.3235	0.5736
65 mph	0.0003	0.0000	0.0001	0.0005	0.0088	0.0065	-	-	0.0162
70 mph	-	-	-	-	-	-	-	-	-
total	0.0333	0.0001	0.0135	0.0496	0.9081	0.7027	4.9607	13.4506	20.1187

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0003	0.0000	0.0001	0.0008	0.0197	0.0151	-	-	0.0360
15 mph	0.0002	0.0000	0.0001	0.0007	0.0128	0.0100	-	-	0.0238
20 mph	0.0002	0.0000	0.0001	0.0006	0.0109	0.0086	0.4565	1.2479	1.7247
25 mph	0.0003	0.0000	0.0001	0.0009	0.0194	0.0153	0.6972	1.8553	2.5886
30 mph	0.0005	0.0000	0.0002	0.0016	0.0353	0.0276	1.0495	2.7879	3.9027
35 mph	0.0011	0.0000	0.0004	0.0033	0.0796	0.0622	0.9376	2.5391	3.6232
40 mph	0.0011	0.0000	0.0004	0.0035	0.0861	0.0666	0.7876	2.1240	3.0694
45 mph	0.0009	0.0000	0.0003	0.0027	0.0672	0.0513	0.5429	1.4604	2.1257
50 mph	0.0010	0.0000	0.0004	0.0030	0.0794	0.0599	0.2678	0.7089	1.1203
55 mph	0.0006	0.0000	0.0002	0.0018	0.0460	0.0344	0.1378	0.3667	0.5875
60 mph	0.0004	0.0000	0.0001	0.0011	0.0279	0.0207	10.2995	27.2166	37.5664
65 mph	0.0001	0.0000	0.0001	0.0004	0.0094	0.0069	-	-	0.0170
70 mph	0.0068	0.0000	0.0027	0.0217	0.4442	0.3264	-	-	0.8018
total	0.0134	0.0000	0.0053	0.0421	0.9379	0.7049	15.1764	40.3069	57.1869

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0003	0.0011	0.0020	0.0038
15 mph	0.0044	0.0000	0.0018	0.0023	0.0377	0.0295	0.2470	0.6919	1.0145
25 mph	-	-	-	-	0.0542	0.0426	0.8058	2.1443	3.0469
35 mph	0.0101	0.0000	0.0041	0.0049	-	-	-	-	0.0192
total	0.0145	0.0000	0.0059	0.0072	0.0922	0.0723	1.0540	2.8383	4.0844

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0003	0.0011	0.0020	0.0038
10 mph	0.0035	0.0000	0.0014	0.0054	0.1116	0.0857	0.5652	1.6871	2.4598
15 mph	0.0056	0.0000	0.0023	0.0045	0.0744	0.0582	0.3953	1.1071	1.6474
20 mph	0.0019	0.0000	0.0008	0.0031	0.0518	0.0405	0.7097	1.9401	2.7479
25 mph	0.0076	0.0000	0.0031	0.0118	0.2546	0.2003	2.7185	7.2341	10.4300
30 mph	0.0075	0.0000	0.0030	0.0120	0.2163	0.1690	2.0199	5.3654	7.7931
35 mph	0.0163	0.0001	0.0066	0.0160	0.2280	0.1781	1.3277	3.5954	5.3682
40 mph	0.0027	0.0000	0.0011	0.0059	0.1343	0.1039	1.1848	3.1951	4.6278
45 mph	0.0021	0.0000	0.0009	0.0046	0.1064	0.0811	0.8440	2.2705	3.3097
50 mph	0.0023	0.0000	0.0009	0.0050	0.1205	0.0909	0.7506	1.9870	2.9571
55 mph	0.0016	0.0000	0.0007	0.0034	0.0804	0.0600	0.2524	0.6719	1.0704
60 mph	0.0027	0.0000	0.0011	0.0047	0.0972	0.0721	10.4220	27.5402	38.1399
65 mph	0.0005	0.0000	0.0002	0.0009	0.0182	0.0134	-	-	0.0332
70 mph	0.0068	0.0000	0.0027	0.0217	0.4442	0.3264	-	-	0.8018
total	0.0611	0.0002	0.0247	0.0989	1.9382	1.4800	21.1911	56.5958	81.3900

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.2043	0.2043
15 mph								0.0571	0.0571
20 mph								0.0998	0.0998
25 mph								0.5055	0.5055
30 mph								0.4344	0.4344
35 mph								0.1865	0.1865
40 mph								0.1991	0.1991
45 mph								0.1538	0.1538
50 mph								0.2424	0.2424
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.0830	2.0830

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.1798	0.1798
25 mph								0.2900	0.2900
30 mph								0.4699	0.4699
35 mph								0.4484	0.4484
40 mph								0.3949	0.3949
45 mph								0.2773	0.2773
50 mph								0.1344	0.1344
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.3881	1.3881

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
15 mph								0.0952	0.0952
25 mph								0.3351	0.3351
35 mph								-	-
total	-	-	-	-	-	-	-	0.4307	0.4307

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
10 mph								0.2043	0.2043
15 mph								0.1524	0.1524
20 mph								0.2796	0.2796
25 mph								1.1306	1.1306
30 mph								0.9043	0.9043
35 mph								0.6349	0.6349
40 mph								0.5940	0.5940
45 mph								0.4311	0.4311
50 mph								0.3768	0.3768
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	4.7084	4.7084

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0016	0.0006	0.0017	0.0024	0.0063
10 mph	0.0328	0.0036	0.0163	0.0210	0.1214	0.0889	0.5726	1.8919	2.7485
15 mph	0.0564	0.0062	0.0279	0.0179	0.0832	0.0612	0.4011	1.2599	1.9138
20 mph	0.0208	0.0023	0.0103	0.0133	0.0583	0.0427	0.7207	2.2205	3.0888
25 mph	0.0887	0.0097	0.0437	0.0530	0.2880	0.2113	2.7626	8.3679	11.8248
30 mph	0.0930	0.0102	0.0457	0.0567	0.2457	0.1786	2.0541	6.2722	8.9562
35 mph	0.2118	0.0233	0.1037	0.0778	0.2575	0.1877	1.3513	4.2321	6.4451
40 mph	0.0357	0.0039	0.0175	0.0291	0.1515	0.1095	1.2068	3.7907	5.3447
45 mph	0.0284	0.0031	0.0139	0.0229	0.1201	0.0855	0.8600	2.7029	3.8367
50 mph	0.0295	0.0033	0.0145	0.0245	0.1352	0.0955	0.7648	2.3649	3.4320
55 mph	0.0208	0.0023	0.0103	0.0164	0.0899	0.0631	0.2571	0.6723	1.1321
60 mph	0.0330	0.0038	0.0164	0.0219	0.1091	0.0759	10.6103	27.5543	38.4247
65 mph	0.0053	0.0006	0.0026	0.0041	0.0206	0.0141	-	-	0.0474
70 mph	0.0756	0.0093	0.0372	0.0951	0.5053	0.3442	-	-	1.0666
STREX	0.0890	0.0075	0.0392	0.1055	0.0476	0.0143	0.0184	0.0000	0.3215
total	0.8207	0.0891	0.3989	0.5592	2.2350	1.5731	21.5814	61.3319	**88.5895**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0215	0.0237	0.0252	0.0272	0.0363	0.0363	0.0293	0.0063
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0890	0.0075	0.0392	0.1055	0.0476	0.0143	0.0184	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0890	0.0075	0.0392	0.1055	0.0476	0.0143	0.0184	0.0000

World Logistics Center
Mobile Emissions - 2028 (Net) - Unmitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					2.0593	2.0770	3.3603	2.4859
10 mph	0.0062	0.0135	0.0103	0.0125	0.0136	0.0109	0.0239	0.3156
15 mph	0.0041	0.0092	0.0069	0.0084	0.0092	0.0073	0.0160	0.2094
20 mph	0.0029	0.0066	0.0049	0.0059	0.0067	0.0052	0.0114	0.1478
25 mph	0.0022	0.0049	0.0036	0.0044	0.0050	0.0039	0.0083	0.1095
30 mph	0.0017	0.0039	0.0028	0.0034	0.0040	0.0030	0.0064	0.0858
35 mph	0.0014	0.0032	0.0023	0.0028	0.0033	0.0025	0.0052	0.0710
40 mph	0.0012	0.0028	0.0020	0.0025	0.0030	0.0022	0.0046	0.0619
45 mph	0.0011	0.0026	0.0018	0.0023	0.0028	0.0020	0.0041	0.0569
50 mph	0.0011	0.0025	0.0018	0.0022	0.0027	0.0019	0.0040	0.0552
55 mph	0.0011	0.0025	0.0018	0.0022	0.0028	0.0020	0.0041	0.0563
60 mph	0.0011	0.0026	0.0019	0.0023	0.0030	0.0021	0.0044	0.0603
65 mph	0.0012	0.0028	0.0021	0.0026	0.0034	0.0024		
70 mph	0.0013	0.0034	0.0022	0.0028	0.0036	0.0024		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0243	0.1098
10 mph	0.0045	0.0184	0.0090	0.0047	0.0254	0.0255	0.0016	0.0038
15 mph	0.0023	0.0121	0.0044	0.0023	0.0129	0.0130	0.0009	0.0022
20 mph	0.0010	0.0082	0.0017	0.0009	0.0057	0.0057	0.0006	0.0014
25 mph	0.0006	0.0064	0.0011	0.0006	0.0037	0.0037	0.0005	0.0011
30 mph	0.0005	0.0053	0.0008	0.0004	0.0029	0.0029	0.0004	0.0009
35 mph	0.0004	0.0046	0.0006	0.0004	0.0024	0.0024	0.0003	0.0007
40 mph	0.0003	0.0042	0.0005	0.0003	0.0021	0.0020	0.0003	0.0006
45 mph	0.0003	0.0039	0.0004	0.0003	0.0019	0.0018	0.0002	0.0006
50 mph	0.0003	0.0039	0.0004	0.0002	0.0017	0.0017	0.0002	0.0006
55 mph	0.0002	0.0041	0.0003	0.0002	0.0017	0.0016	0.0003	0.0007
60 mph	0.0002	0.0044	0.0003	0.0002	0.0017	0.0016	0.0003	0.0008
65 mph	0.0002	0.0051	0.0003	0.0002	0.0019	0.0018		
70 mph	0.0003	0.0059	0.0003	0.0002	0.0029	0.0026		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.9269
10 mph								11.5209
15 mph								7.8828
20 mph								5.5498
25 mph								4.0742
30 mph								3.0258
35 mph								2.2504
40 mph								1.6776
45 mph								1.2557
50 mph								0.9464
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0315	0.0052	0.0196	0.0199	0.0098	0.0023	0.0086	0.0008	0.0979
15 mph	0.0084	0.0014	0.0053	0.0053	0.0027	0.0006	0.0019	0.0002	0.0258
20 mph	0.0118	0.0020	0.0075	0.0076	0.0039	0.0009	0.0027	0.0003	0.0366
25 mph	0.0437	0.0076	0.0277	0.0280	0.0145	0.0033	0.0110	0.0011	0.1369
30 mph	0.0373	0.0066	0.0237	0.0241	0.0126	0.0029	0.0077	0.0007	0.1156
35 mph	0.0250	0.0044	0.0159	0.0162	0.0087	0.0019	0.0028	0.0003	0.0752
40 mph	0.0072	0.0013	0.0046	0.0047	0.0026	0.0006	0.0027	0.0003	0.0240
45 mph	0.0055	0.0010	0.0035	0.0036	0.0020	0.0004	0.0020	0.0002	0.0182
50 mph	0.0053	0.0010	0.0034	0.0035	0.0019	0.0004	0.0031	0.0003	0.0189
55 mph	0.0043	0.0008	0.0027	0.0028	0.0016	0.0003	0.0007	0.0001	0.0134
60 mph	0.0091	0.0016	0.0057	0.0059	0.0034	0.0007	0.0008	0.0001	0.0274
65 mph	0.0013	0.0002	0.0008	0.0008	0.0005	0.0001	-	-	0.0037
70 mph	-	-	-	-	-	-	-	-	-
total	0.1907	0.0331	0.1204	0.1223	0.0641	0.0146	0.0443	0.0043	0.5937

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0026	0.0004	0.0016	0.0034	0.0021	0.0005	-	-	0.0107
15 mph	0.0017	0.0003	0.0011	0.0023	0.0014	0.0003	-	-	0.0072
20 mph	0.0012	0.0002	0.0008	0.0016	0.0010	0.0002	0.0049	0.0005	0.0105
25 mph	0.0018	0.0003	0.0011	0.0024	0.0016	0.0004	0.0063	0.0006	0.0145
30 mph	0.0028	0.0005	0.0018	0.0038	0.0025	0.0006	0.0083	0.0008	0.0210
35 mph	0.0052	0.0009	0.0033	0.0070	0.0046	0.0010	0.0068	0.0007	0.0295
40 mph	0.0050	0.0009	0.0032	0.0068	0.0046	0.0010	0.0054	0.0005	0.0274
45 mph	0.0037	0.0007	0.0023	0.0050	0.0034	0.0007	0.0036	0.0004	0.0197
50 mph	0.0040	0.0007	0.0025	0.0054	0.0037	0.0008	0.0017	0.0002	0.0191
55 mph	0.0022	0.0004	0.0014	0.0030	0.0021	0.0005	0.0009	0.0001	0.0107
60 mph	0.0014	0.0002	0.0009	0.0019	0.0014	0.0003	0.0670	0.0066	0.0798
65 mph	0.0005	0.0001	0.0003	0.0007	0.0005	0.0001	-	-	0.0023
70 mph	0.0260	0.0049	0.0160	0.0357	0.0256	0.0050	-	-	0.1134
total	0.0582	0.0106	0.0364	0.0791	0.0546	0.0115	0.1050	0.0104	0.3657

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1860	0.0561	0.1384	0.0011	0.3815
15 mph	0.0348	0.0058	0.0218	0.0078	0.0042	0.0010	0.0032	0.0003	0.0789
25 mph	-	-	-	-	0.0043	0.0010	0.0073	0.0007	0.0133
35 mph	0.0494	0.0088	0.0314	0.0103	-	-	-	-	0.0999
total	0.0842	0.0146	0.0532	0.0181	0.1945	0.0581	0.1489	0.0021	0.5736

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1860	0.0561	0.1384	0.0011	0.3815
10 mph	0.0341	0.0057	0.0213	0.0233	0.0119	0.0029	0.0086	0.0008	0.1086
15 mph	0.0450	0.0076	0.0282	0.0154	0.0083	0.0020	0.0051	0.0005	0.1119
20 mph	0.0131	0.0022	0.0082	0.0092	0.0049	0.0011	0.0077	0.0007	0.0471
25 mph	0.0455	0.0079	0.0288	0.0305	0.0204	0.0047	0.0247	0.0024	0.1647
30 mph	0.0401	0.0071	0.0255	0.0279	0.0151	0.0034	0.0160	0.0016	0.1366
35 mph	0.0795	0.0141	0.0506	0.0335	0.0133	0.0030	0.0096	0.0010	0.2046
40 mph	0.0122	0.0022	0.0078	0.0115	0.0071	0.0016	0.0082	0.0008	0.0513
45 mph	0.0092	0.0016	0.0058	0.0086	0.0054	0.0012	0.0056	0.0006	0.0380
50 mph	0.0093	0.0017	0.0059	0.0089	0.0057	0.0012	0.0049	0.0005	0.0380
55 mph	0.0066	0.0012	0.0041	0.0058	0.0038	0.0008	0.0016	0.0002	0.0241
60 mph	0.0106	0.0018	0.0066	0.0078	0.0048	0.0010	0.0678	0.0067	0.1072
65 mph	0.0018	0.0003	0.0011	0.0015	0.0010	0.0002	-	-	0.0060
70 mph	0.0260	0.0049	0.0160	0.0357	0.0256	0.0050	-	-	0.1134
total	0.3330	0.0583	0.2099	0.2195	0.3132	0.0841	0.2982	0.0167	1.5330

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0002	0.0000	0.0001	0.0002	0.0162	0.0112	0.0033	0.0142	0.0455
15 mph	0.0000	0.0000	0.0000	0.0000	0.0033	0.0023	0.0006	0.0027	0.0090
20 mph	0.0000	0.0000	0.0000	0.0000	0.0029	0.0020	0.0008	0.0034	0.0092
25 mph	0.0001	0.0000	0.0001	0.0001	0.0094	0.0064	0.0035	0.0154	0.0351
30 mph	0.0001	0.0000	0.0001	0.0001	0.0082	0.0055	0.0026	0.0113	0.0278
35 mph	0.0001	0.0000	0.0000	0.0001	0.0056	0.0037	0.0009	0.0042	0.0146
40 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0011	0.0009	0.0040	0.0076
45 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0008	0.0007	0.0029	0.0056
50 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0007	0.0011	0.0048	0.0077
55 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	0.0003	0.0012	0.0029
60 mph	0.0000	0.0000	0.0000	0.0000	0.0017	0.0011	0.0003	0.0014	0.0046
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0007	0.0000	0.0004	0.0006	0.0523	0.0355	0.0149	0.0655	0.1701

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0035	0.0024	-	-	0.0059
15 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0012	-	-	0.0030
20 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0005	0.0015	0.0061	0.0088
25 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0020	0.0088	0.0126
30 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0011	0.0028	0.0123	0.0177
35 mph	0.0000	0.0000	0.0000	0.0000	0.0030	0.0020	0.0023	0.0100	0.0173
40 mph	0.0000	0.0000	0.0000	0.0000	0.0029	0.0019	0.0018	0.0079	0.0145
45 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0014	0.0012	0.0053	0.0099
50 mph	0.0000	0.0000	0.0000	0.0000	0.0021	0.0014	0.0006	0.0026	0.0068
55 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0007	0.0003	0.0015	0.0037
60 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0267	0.1187	0.1466
65 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	-	-	0.0004
70 mph	0.0001	0.0000	0.0000	0.0001	0.0185	0.0111	-	-	0.0298
total	0.0002	0.0000	0.0001	0.0003	0.0393	0.0251	0.0392	0.1732	0.2772

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0118	0.0081	0.0056	0.0466	0.0720
15 mph	0.0002	0.0000	0.0001	0.0001	0.0052	0.0036	0.0010	0.0045	0.0147
25 mph	-	-	-	-	0.0028	0.0019	0.0023	0.0102	0.0173
35 mph	0.0001	0.0000	0.0001	0.0000	-	-	-	-	0.0003
total	0.0004	0.0000	0.0002	0.0001	0.0198	0.0136	0.0089	0.0613	0.1043

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0118	0.0081	0.0056	0.0466	0.0720
10 mph	0.0003	0.0000	0.0002	0.0003	0.0197	0.0136	0.0033	0.0142	0.0514
15 mph	0.0003	0.0000	0.0002	0.0001	0.0103	0.0071	0.0016	0.0072	0.0267
20 mph	0.0000	0.0000	0.0000	0.0000	0.0037	0.0025	0.0023	0.0094	0.0180
25 mph	0.0001	0.0000	0.0001	0.0001	0.0133	0.0090	0.0078	0.0345	0.0649
30 mph	0.0001	0.0000	0.0001	0.0001	0.0097	0.0066	0.0053	0.0236	0.0456
35 mph	0.0002	0.0000	0.0001	0.0001	0.0085	0.0057	0.0032	0.0142	0.0322
40 mph	0.0000	0.0000	0.0000	0.0000	0.0045	0.0030	0.0027	0.0119	0.0222
45 mph	0.0000	0.0000	0.0000	0.0000	0.0032	0.0022	0.0019	0.0082	0.0156
50 mph	0.0000	0.0000	0.0000	0.0000	0.0033	0.0022	0.0017	0.0074	0.0146
55 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0013	0.0006	0.0027	0.0066
60 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0016	0.0270	0.1201	0.1511
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	-	-	0.0008
70 mph	0.0001	0.0000	0.0000	0.0001	0.0185	0.0111	-	-	0.0298
total	0.0013	0.0000	0.0007	0.0010	0.1114	0.0743	0.0630	0.3000	0.5516

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								2.5906	2.5906
15 mph								0.5908	0.5908
20 mph								0.8320	0.8320
25 mph								3.3592	3.3592
30 mph								2.2680	2.2680
35 mph								0.7590	0.7590
40 mph								0.6287	0.6287
45 mph								0.3765	0.3765
50 mph								0.4611	0.4611
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	11.8659	11.8659

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1.4998	1.4998
25 mph								1.9268	1.9268
30 mph								2.4531	2.4531
35 mph								1.8245	1.8245
40 mph								1.2468	1.2468
45 mph								0.6787	0.6787
50 mph								0.2558	0.2558
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	7.7043	7.7043

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0494	0.0494
15 mph								0.9846	0.9846
25 mph								2.2270	2.2270
35 mph								-	-
total	-	-	-	-	-	-	-	3.2610	3.2610

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0494	0.0494
10 mph								2.5906	2.5906
15 mph								1.5755	1.5755
20 mph								2.3318	2.3318
25 mph								7.5130	7.5130
30 mph								4.7211	4.7211
35 mph								2.5835	2.5835
40 mph								1.8755	1.8755
45 mph								1.0552	1.0552
50 mph								0.7169	0.7169
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	25.0124	25.0124

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1978	0.0642	0.1439	0.0970	0.5029
10 mph	0.0344	0.0057	0.0214	0.0235	0.0316	0.0164	0.0119	2.6057	2.7507
15 mph	0.0452	0.0076	0.0283	0.0155	0.0185	0.0090	0.0068	1.5832	1.7141
20 mph	0.0131	0.0022	0.0083	0.0092	0.0086	0.0037	0.0099	2.3419	2.3970
25 mph	0.0456	0.0079	0.0289	0.0306	0.0336	0.0137	0.0325	7.5498	7.7426
30 mph	0.0403	0.0071	0.0255	0.0280	0.0248	0.0100	0.0214	4.7463	4.9033
35 mph	0.0797	0.0141	0.0507	0.0337	0.0218	0.0087	0.0128	2.5987	2.8203
40 mph	0.0123	0.0022	0.0078	0.0115	0.0116	0.0046	0.0109	1.8882	1.9489
45 mph	0.0092	0.0016	0.0059	0.0086	0.0086	0.0033	0.0075	1.0639	1.1087
50 mph	0.0093	0.0017	0.0059	0.0089	0.0089	0.0034	0.0066	0.7248	0.7694
55 mph	0.0066	0.0012	0.0042	0.0059	0.0057	0.0021	0.0022	0.0028	0.0307
60 mph	0.0106	0.0018	0.0066	0.0078	0.0072	0.0026	0.0948	0.1268	0.2583
65 mph	0.0018	0.0003	0.0011	0.0015	0.0015	0.0005	-	-	0.0068
70 mph	0.0261	0.0050	0.0160	0.0358	0.0442	0.0161	-	-	0.1432
STREX	0.1456	0.0147	0.0743	0.2155	0.0235	0.0071	0.0214	0.0000	0.5021
total	0.4799	0.0730	0.2849	0.4360	0.4482	0.1655	0.3826	25.3292	**27.5991**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0352	0.0467	0.0479	0.0555	0.0179	0.0181	0.0341	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1456	0.0147	0.0743	0.2155	0.0235	0.0071	0.0214	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1456	0.0147	0.0743	0.2155	0.0235	0.0071	0.0214	0.0000

World Logistics Center
Mobile Emissions - 2028 (Net) - Unmitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,317.32	5,041.58	12,804.29	21,332.27
10 mph	445.89	521.61	538.37	663.96	1,419.30	1,633.90	2,930.90	3,472.02
15 mph	364.44	426.25	439.83	541.95	1,159.35	1,333.69	2,397.86	2,849.16
20 mph	303.12	354.54	365.82	450.82	963.94	1,109.12	1,991.11	2,373.91
25 mph	259.16	303.22	312.91	385.93	823.97	947.98	1,703.86	2,031.83
30 mph	230.01	269.17	277.84	343.09	731.46	841.61	1,513.97	1,802.70
35 mph	213.31	249.69	257.78	318.85	678.46	780.78	1,404.68	1,669.11
40 mph	206.69	241.94	249.77	309.02	656.84	755.94	1,359.22	1,613.79
45 mph	207.78	243.09	250.92	310.33	659.25	758.72	1,365.13	1,615.14
50 mph	214.01	250.34	258.33	319.80	678.69	780.74	1,404.19	1,659.42
55 mph	222.34	260.06	268.44	332.50	706.52	812.71	1,459.58	1,724.57
60 mph	229.02	268.18	277.04	343.59	735.08	845.53	1,517.95	1,791.80
65 mph	234.58	275.19	284.42	353.44	757.42	870.83		
70 mph	237.52	279.28	287.11	362.13	768.81	880.60		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,505.64	5,653.06	5,850.13	5,310.55
10 mph	373.68	806.96	502.97	626.20	916.07	1,024.92	1,790.37	2,882.09
15 mph	307.41	671.36	417.19	530.43	595.90	679.71	1,408.76	2,127.86
20 mph	252.17	551.31	342.71	440.59	508.56	580.46	1,203.08	1,773.80
25 mph	211.45	460.52	287.38	373.18	451.02	517.26	1,050.05	1,507.00
30 mph	183.22	396.20	248.49	322.94	410.07	467.04	922.08	1,320.97
35 mph	165.71	355.09	224.21	293.76	410.96	468.03	823.74	1,203.05
40 mph	155.09	330.85	209.24	274.94	400.22	451.49	754.87	1,097.88
45 mph	149.81	319.33	201.75	264.52	390.56	434.20	715.42	1,037.96
50 mph	150.30	319.35	201.99	266.13	409.78	450.62	705.86	1,007.71
55 mph	157.24	333.98	211.14	280.81	427.75	465.90	726.14	1,042.63
60 mph	170.49	361.96	228.75	304.07	431.78	467.29	775.60	1,105.35
65 mph	191.79	403.42	256.88	342.31	438.62	469.92		
70 mph	208.94	420.58	274.43	374.03	448.76	480.82		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,497.61
10 mph								4,457.00
15 mph								3,740.03
20 mph								3,264.45
25 mph								3,007.51
30 mph								2,843.07
35 mph								2,712.93
40 mph								2,606.31
45 mph								2,516.78
50 mph								2,440.25
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	2,264.31	201.24	1,025.59	1,058.72	1,021.50	351.44	1,059.11	9.11	6,991.02
15 mph	740.28	65.78	335.15	345.66	333.76	114.75	288.83	2.49	2,226.70
20 mph	1,231.44	109.43	557.50	575.08	555.01	190.85	479.67	4.15	3,703.13
25 mph	5,264.28	467.94	2,384.34	2,461.54	2,372.12	815.61	2,257.58	19.54	16,042.96
30 mph	5,139.21	456.94	2,328.84	2,407.10	2,316.37	796.51	1,823.63	15.76	15,284.35
35 mph	3,899.51	346.79	1,767.85	1,830.32	1,757.89	604.58	761.39	6.57	10,974.92
40 mph	1,259.51	112.01	570.97	591.30	567.29	195.12	818.61	7.06	4,121.86
45 mph	1,055.13	93.79	478.01	494.83	474.47	163.19	657.73	5.65	3,422.80
50 mph	1,086.79	96.58	492.12	509.94	488.47	167.93	1,099.41	9.43	3,950.66
55 mph	903.28	80.27	409.11	424.14	406.80	139.85	263.72	2.26	2,629.42
60 mph	1,860.76	165.54	844.43	876.59	846.48	290.99	274.26	2.35	5,161.40
65 mph	238.24	21.23	108.36	112.71	109.03	37.46	-	-	627.04
70 mph	-	-	-	-	-	-	-	-	-
total	24,942.74	2,217.54	11,302.27	11,687.93	11,249.20	3,868.27	9,783.93	84.38	75,136.27

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	187.27	16.64	84.82	182.87	219.05	75.36	-	-	766.01
15 mph	153.06	13.60	69.30	149.27	178.93	61.51	-	-	625.67
20 mph	127.31	11.31	57.64	124.17	148.77	51.16	864.73	7.48	1,392.56
25 mph	217.69	19.35	98.60	212.59	254.33	87.45	1,294.96	11.21	2,196.18
30 mph	386.40	34.36	175.10	377.98	451.55	155.27	1,972.53	17.05	3,570.24
35 mph	806.28	71.70	365.53	790.38	942.38	324.11	1,830.13	15.79	5,146.30
40 mph	868.07	77.20	393.52	851.13	1,013.72	348.67	1,623.32	13.99	5,189.62
45 mph	698.12	62.05	316.27	683.77	813.95	279.95	1,185.73	10.18	4,050.04
50 mph	808.95	71.89	366.31	792.73	942.70	324.09	609.83	5.23	3,921.74
55 mph	466.91	41.49	211.47	457.89	545.20	187.42	316.94	2.72	2,230.05
60 mph	288.55	25.67	130.95	283.90	340.34	117.00	23,073.23	197.73	24,457.37
65 mph	98.52	8.78	44.81	97.34	116.89	40.17	-	-	406.52
70 mph	4,588.78	409.93	2,080.81	4,587.98	5,458.02	1,868.33	-	-	18,993.84
total	9,695.92	863.99	4,395.12	9,591.99	11,425.82	3,920.49	32,771.41	281.39	72,946.13

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	389.98	136.10	527.26	9.08	1,062.43
15 mph	3,058.00	271.73	1,384.45	502.56	525.79	180.76	481.33	4.15	6,408.78
25 mph	-	-	-	-	709.71	244.02	1,496.68	12.96	2,463.37
35 mph	7,700.96	684.87	3,491.25	1,169.04	-	-	-	-	13,046.12
total	10,758.96	956.60	4,875.70	1,671.60	1,625.48	560.89	2,505.28	26.19	22,980.69

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	389.98	136.10	527.26	9.08	1,062.43
10 mph	2,451.58	217.89	1,110.41	1,241.59	1,240.55	426.80	1,059.11	9.11	7,757.03
15 mph	3,951.34	351.11	1,788.89	997.49	1,038.48	357.03	770.16	6.64	9,261.14
20 mph	1,358.75	120.74	615.14	699.25	703.78	242.01	1,344.40	11.64	5,095.69
25 mph	5,481.97	487.29	2,482.94	2,674.14	3,336.17	1,147.08	5,049.22	43.71	20,702.51
30 mph	5,525.61	491.29	2,503.93	2,785.08	2,767.93	951.78	3,796.16	32.82	18,854.60
35 mph	12,406.76	1,103.37	5,624.63	3,789.74	2,700.27	928.69	2,591.52	22.36	29,167.33
40 mph	2,127.57	189.21	964.50	1,442.43	1,581.01	543.78	2,441.93	21.05	9,311.48
45 mph	1,753.25	155.84	794.28	1,178.60	1,288.42	443.15	1,843.47	15.83	7,472.84
50 mph	1,895.74	168.48	858.43	1,302.67	1,431.16	492.02	1,709.24	14.66	7,872.40
55 mph	1,370.20	121.76	620.58	882.03	952.00	327.27	580.66	4.98	4,859.47
60 mph	2,149.32	191.21	975.37	1,160.48	1,186.82	407.98	23,347.49	200.08	29,618.77
65 mph	336.76	30.02	153.17	210.06	225.92	77.63	-	-	1,033.56
70 mph	4,588.78	409.93	2,080.81	4,587.98	5,458.02	1,868.33	-	-	18,993.84
total	45,397.63	4,038.13	20,573.09	22,951.52	24,300.50	8,349.65	45,060.62	391.96	171,063.09

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	20.44	0.07	8.25	29.07	584.76	448.74	3,595.79	10,732.83	15,419.95
15 mph	6.72	0.02	2.74	9.85	152.15	119.04	943.12	2,641.37	3,875.02
20 mph	11.03	0.04	4.50	16.37	259.71	203.32	1,610.85	4,403.73	6,509.53
25 mph	46.25	0.16	18.85	69.31	1,151.61	905.89	7,732.77	20,577.41	30,502.25
30 mph	44.09	0.15	17.93	65.97	1,151.75	899.74	6,173.03	16,397.55	24,750.20
35 mph	32.62	0.11	13.24	49.10	944.41	737.71	2,481.62	6,720.21	10,979.02
40 mph	10.18	0.03	4.12	15.32	306.57	237.21	2,526.81	6,814.16	9,914.40
45 mph	8.19	0.03	3.31	12.28	249.31	190.11	1,915.80	5,153.81	7,532.83
50 mph	8.22	0.03	3.31	12.36	261.58	197.30	3,071.58	8,130.80	11,685.18
55 mph	6.88	0.02	2.77	10.43	218.44	163.19	729.19	1,941.37	3,072.30
60 mph	14.92	0.05	6.00	22.59	441.00	327.36	778.86	2,058.15	3,648.93
65 mph	2.10	0.01	0.84	3.18	56.00	41.15	-	-	103.27
70 mph	-	-	-	-	-	-	-	-	-
total	211.64	0.72	85.84	315.83	5,777.29	4,470.76	31,559.40	85,571.38	127,992.87

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	1.69	0.01	0.68	5.02	125.39	96.23	-	-	229.02
15 mph	1.39	0.00	0.57	4.25	81.57	63.82	-	-	151.60
20 mph	1.14	0.00	0.46	3.53	69.61	54.50	2,903.96	7,938.83	10,972.05
25 mph	1.91	0.01	0.78	5.99	123.47	97.13	4,435.54	11,803.27	16,468.09
30 mph	3.31	0.01	1.35	10.36	224.52	175.40	6,677.06	17,736.44	24,828.46
35 mph	6.75	0.02	2.74	21.20	506.28	395.48	5,964.99	16,153.17	23,050.63
40 mph	7.01	0.02	2.84	22.05	547.83	423.89	5,010.73	13,512.67	19,527.05
45 mph	5.42	0.02	2.19	16.97	427.68	326.12	3,453.72	9,291.04	13,523.16
50 mph	6.12	0.02	2.47	19.21	504.82	380.77	1,703.79	4,510.10	7,127.29
55 mph	3.56	0.01	1.43	11.26	292.76	218.71	876.37	2,333.21	3,737.30
60 mph	2.31	0.01	0.93	7.32	177.31	131.62	65,524.43	173,149.19	238,993.11
65 mph	0.87	0.00	0.35	2.75	60.04	44.12	-	-	108.12
70 mph	43.47	0.14	17.12	137.99	2,825.64	2,076.58	-	-	5,100.93
total	84.95	0.28	33.90	267.90	5,966.93	4,484.35	96,550.59	256,427.92	363,816.82

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	280.86	310.64	1,338.91	2,253.61	4,184.02
15 mph	27.78	0.10	11.30	14.32	239.69	187.53	1,571.70	4,401.84	6,454.26
25 mph	-	-	-	-	344.55	271.03	5,126.49	13,641.92	19,384.00
35 mph	64.43	0.22	26.14	31.36	-	-	-	-	122.14
total	92.20	0.31	37.44	45.68	865.10	769.20	8,037.10	20,297.37	30,144.42

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	280.86	310.64	1,338.91	2,253.61	4,184.02
10 mph	22.13	0.08	8.93	34.10	710.16	544.97	3,595.79	10,732.83	15,648.97
15 mph	35.89	0.12	14.61	28.43	473.42	370.38	2,514.82	7,043.21	10,480.88
20 mph	12.17	0.04	4.96	19.90	329.32	257.81	4,514.81	12,342.56	17,481.58
25 mph	48.17	0.17	19.63	75.29	1,619.64	1,274.05	17,294.80	46,022.60	66,354.34
30 mph	47.40	0.16	19.28	76.33	1,376.27	1,075.14	12,850.09	34,133.99	49,578.66
35 mph	103.79	0.35	42.11	101.67	1,450.69	1,133.19	8,446.61	22,873.38	34,151.80
40 mph	17.19	0.06	6.95	37.37	854.40	661.11	7,537.53	20,326.83	29,441.45
45 mph	13.61	0.05	5.50	29.25	676.99	516.23	5,369.52	14,444.85	21,056.00
50 mph	14.34	0.05	5.78	31.57	766.40	578.07	4,775.37	12,640.91	18,812.47
55 mph	10.44	0.03	4.20	21.69	511.20	381.90	1,605.56	4,274.58	6,809.60
60 mph	17.23	0.06	6.93	29.90	618.31	458.97	66,303.29	175,207.34	242,642.04
65 mph	2.97	0.01	1.19	5.92	116.04	85.27	-	-	211.40
70 mph	43.47	0.14	17.12	137.99	2,825.64	2,076.58	-	-	5,100.93
total	388.80	1.31	157.18	629.41	12,609.32	9,724.31	136,147.09	362,296.68	521,954.11

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1,002.22	1,002.22
15 mph								280.33	280.33
20 mph								489.37	489.37
25 mph								2,479.69	2,479.69
30 mph								2,131.01	2,131.01
35 mph								915.06	915.06
40 mph								976.77	976.77
45 mph								754.57	754.57
50 mph								1,188.90	1,188.90
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	10,217.92	10,217.92

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								882.21	882.21
25 mph								1,422.36	1,422.36
30 mph								2,305.01	2,305.01
35 mph								2,199.50	2,199.50
40 mph								1,936.97	1,936.97
45 mph								1,360.31	1,360.31
50 mph								659.47	659.47
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	6,809.08	6,809.08

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								140.87	140.87
15 mph								467.17	467.17
25 mph								1,643.92	1,643.92
35 mph								-	-
total	-	-	-	-	-	-	-	2,251.97	2,251.97

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								140.87	140.87
10 mph								1,002.22	1,002.22
15 mph								747.50	747.50
20 mph								1,371.58	1,371.58
25 mph								5,545.97	5,545.97
30 mph								4,436.02	4,436.02
35 mph								3,114.56	3,114.56
40 mph								2,913.74	2,913.74
45 mph								2,114.89	2,114.89
50 mph								1,848.37	1,848.37
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	23,235.72	23,235.72

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	670.84	446.74	1,866.17	2,403.57	5,387.32
10 mph	2,473.71	217.96	1,119.34	1,275.68	1,950.70	971.77	4,654.89	11,744.15	24,408.21
15 mph	3,987.23	351.23	1,803.50	1,025.92	1,511.90	727.41	3,284.99	7,797.35	20,489.53
20 mph	1,370.92	120.78	620.10	719.14	1,033.10	499.82	5,859.21	13,725.78	23,948.85
25 mph	5,530.14	487.45	2,502.57	2,749.43	4,955.80	2,421.13	22,344.01	51,612.28	92,602.82
30 mph	5,573.01	491.45	2,523.21	2,861.41	4,144.20	2,026.92	16,646.25	38,602.83	72,869.28
35 mph	12,510.55	1,103.72	5,666.74	3,891.41	4,150.96	2,061.89	11,038.13	26,010.29	66,433.69
40 mph	2,144.77	189.27	971.45	1,479.80	2,435.41	1,204.89	9,979.47	23,261.62	41,666.66
45 mph	1,766.87	155.89	799.78	1,207.85	1,965.41	959.38	7,212.99	16,575.57	30,643.72
50 mph	1,910.08	168.52	864.20	1,334.23	2,197.56	1,070.09	6,484.61	14,503.94	28,533.24
55 mph	1,380.63	121.79	624.78	903.72	1,463.20	709.17	2,186.22	4,279.56	11,669.07
60 mph	2,166.55	191.27	982.30	1,190.39	1,805.13	866.96	89,650.79	175,407.42	272,260.80
65 mph	339.73	30.03	154.36	215.98	341.96	162.89	-	-	1,244.95
70 mph	4,632.25	410.07	2,097.93	4,725.96	8,283.65	3,944.91	-	-	24,094.77
STREX	196.86	17.58	91.35	282.87	23.34	7.95	22.05	0.20	642.20
total	45,983.28	4,057.02	20,821.63	23,863.80	36,933.17	18,081.90	181,229.76	385,924.56	**716,895.12**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	47.59	55.93	58.86	72.87	17.78	20.26	35.08	42.93
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	196.86	17.58	91.35	282.87	23.34	7.95	22.05	0.20
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	196.86	17.58	91.35	282.87	23.34	7.95	22.05	0.20

World Logistics Center
Mobile Emissions - 2029 (Net) - Unmitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
34.25	1,072.90	569.64	7.15	9.54	144.21	89.97	243.72	9.10	35.40	35.17	79.67	6.92	93.78	30.02	772,167.50

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
6.25	195.80	103.96	1.30	1.74	26.32	16.42	44.48	1.66	6.46	6.42	14.54	1.26	17.12	5.48	140,920.57

World Logistics Center
Mobile Emissions - 2029 (Net) - Unmitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	2,282.53	24.99	98.37	91,121.17	997.81	3,926.91
LDT1	173.61	0.03	3.87	6,930.67	1.34	154.32
LDT2	856.72	7.58	24.04	34,201.11	302.62	959.79
MDT	1,867.03	56.07	54.17	28,588.46	858.54	829.40
LHDT1	624.02	571.22	-	14,274.99	13,067.16	-
LHDT2	185.45	389.20	-	4,242.23	8,903.32	-
MHDT	299.45	1,698.24	-	13,271.44	75,265.89	-
HHDT	2.25	3,134.52	194.26	99.66	138,922.27	8,609.57

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	64,463.66	705.90	2,778.09	26,657.51	291.91	1,148.82
LDT1	4,903.10	0.95	109.18	2,027.57	0.39	45.15
LDT2	24,195.57	214.09	679.00	10,005.54	88.53	280.79
MDT	15,340.05	460.68	445.04	13,248.41	397.86	384.36
LHDT1	6,888.90	6,306.02	-	7,386.09	6,761.14	-
LHDT2	2,047.24	4,296.61	-	2,194.99	4,606.71	-
MHDT	2,881.65	16,342.59	-	10,389.80	58,923.31	-
HHDT	21.64	30,164.38	1,869.41	78.02	108,757.88	6,740.16

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	3,223.18	245.15	1,209.78	767.00	344.44	102.36	172.90	1.30	6,066.12
15 mph	1,289.27	98.06	483.91	306.80	137.78	40.94	57.63	0.43	2,414.84
20 mph	2,578.55	196.12	967.82	613.60	275.56	81.89	115.27	0.87	4,829.67
25 mph	12,892.73	980.62	4,839.11	3,068.01	1,377.78	409.45	633.96	4.76	24,206.42
30 mph	14,182.00	1,078.68	5,323.03	3,374.81	1,515.56	450.39	576.33	4.33	26,505.13
35 mph	11,603.46	882.56	4,355.20	2,761.21	1,240.00	368.50	259.35	1.95	21,472.23
40 mph	3,867.82	294.19	1,451.73	920.40	413.33	122.83	288.16	2.16	7,360.64
45 mph	3,223.18	245.15	1,209.78	767.00	344.44	102.36	230.53	1.73	6,124.19
50 mph	3,223.18	245.15	1,209.78	767.00	344.44	102.36	374.61	2.81	6,269.35
55 mph	2,578.55	196.12	967.82	613.60	275.56	81.89	86.45	0.65	4,800.64
60 mph	5,157.09	392.25	1,935.65	1,227.20	551.11	163.78	86.45	0.65	9,514.18
65 mph	644.64	49.03	241.96	153.40	68.89	20.47	-	-	1,178.39
70 mph	-	-	-	-	-	-	-	-	-
total	64,463.66	4,903.10	24,195.57	15,340.05	6,888.90	2,047.24	2,881.65	21.64	120,741.80

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	266.58	20.28	100.06	132.48	73.86	21.95	-	-	615.20
15 mph	266.58	20.28	100.06	132.48	73.86	21.95	-	-	615.20
20 mph	266.58	20.28	100.06	132.48	73.86	21.95	207.80	1.56	824.56
25 mph	533.15	40.55	200.11	264.97	147.72	43.90	363.64	2.73	1,596.78
30 mph	1,066.30	81.10	400.22	529.94	295.44	87.80	623.39	4.68	3,088.87
35 mph	2,399.18	182.48	900.50	1,192.36	664.75	197.55	623.39	4.68	6,164.88
40 mph	2,665.75	202.76	1,000.55	1,324.84	738.61	219.50	571.44	4.29	6,727.74
45 mph	2,132.60	162.21	800.44	1,059.87	590.89	175.60	415.59	3.12	5,340.32
50 mph	2,399.18	182.48	900.50	1,192.36	664.75	197.55	207.80	1.56	5,746.17
55 mph	1,332.88	101.38	500.28	662.42	369.30	109.75	103.90	0.78	3,180.68
60 mph	799.73	60.83	300.17	397.45	221.58	65.85	7,272.86	54.62	9,173.08
65 mph	266.58	20.28	100.06	132.48	73.86	21.95	-	-	615.20
70 mph	12,262.46	932.68	4,602.55	6,094.27	3,397.60	1,009.70	-	-	28,299.25
total	26,657.51	2,027.57	10,005.54	13,248.41	7,386.09	2,194.99	10,389.80	78.02	71,987.93

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	42.92	12.75	19.52	0.21	75.40
15 mph	4,034.91	306.89	1,514.45	445.64	215.47	64.03	95.16	0.71	6,677.27
25 mph	-	-	-	-	409.21	121.61	416.43	3.13	950.38
35 mph	17,360.71	1,320.45	6,516.11	1,761.99	-	-	-	-	26,959.26
total	21,395.62	1,627.35	8,030.56	2,207.63	624.68	185.64	511.59	3.84	34,586.91

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	42.92	12.75	19.52	0.21	75.40
10 mph	3,489.76	265.43	1,309.83	899.49	418.31	124.31	172.90	1.30	6,681.32
15 mph	5,590.76	425.23	2,098.42	884.93	427.11	126.93	152.80	1.15	9,707.31
20 mph	2,845.12	216.40	1,067.88	746.09	349.42	103.84	323.06	2.43	5,654.23
25 mph	13,425.88	1,021.17	5,039.23	3,332.98	1,934.72	574.96	1,414.03	10.62	26,753.58
30 mph	15,248.31	1,159.78	5,723.25	3,904.75	1,811.00	538.19	1,199.72	9.01	29,594.00
35 mph	31,363.34	2,385.49	11,771.81	5,715.56	1,904.75	566.05	882.74	6.63	54,596.37
40 mph	6,533.57	496.94	2,452.29	2,245.24	1,151.94	342.33	859.60	6.46	14,088.38
45 mph	5,355.78	407.36	2,010.22	1,826.88	935.33	277.96	646.12	4.85	11,464.51
50 mph	5,622.36	427.64	2,110.28	1,959.36	1,009.19	299.91	582.41	4.37	12,015.52
55 mph	3,911.42	297.50	1,468.10	1,276.02	644.86	191.64	190.35	1.43	7,981.32
60 mph	5,956.82	453.08	2,235.81	1,624.66	772.69	229.63	7,359.31	55.27	18,687.26
65 mph	911.21	69.31	342.01	285.88	142.75	42.42	-	-	1,793.59
70 mph	12,262.46	932.68	4,602.55	6,094.27	3,397.60	1,009.70	-	-	28,299.25
total	112,516.79	8,558.02	42,231.67	30,796.10	14,899.67	4,427.87	13,783.03	103.51	227,316.64

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	35.30	0.05	10.70	23.03	315.30	214.83	980.56	1,809.86	3,389.63
15 mph	14.12	0.02	4.28	9.21	126.12	85.93	326.85	603.29	1,169.82
20 mph	28.24	0.04	8.56	18.43	252.24	171.86	653.70	1,206.58	2,339.65
25 mph	141.18	0.19	42.82	92.14	1,261.20	859.32	3,595.37	6,636.16	12,628.38
30 mph	155.30	0.21	47.10	101.35	1,387.32	945.25	3,268.52	6,032.88	11,937.93
35 mph	127.06	0.17	38.54	82.92	1,135.08	773.39	1,470.83	2,714.79	6,342.79
40 mph	42.35	0.06	12.85	27.64	378.36	257.80	1,634.26	3,016.44	5,369.75
45 mph	35.30	0.05	10.70	23.03	315.30	214.83	1,307.41	2,413.15	4,319.77
50 mph	35.30	0.05	10.70	23.03	315.30	214.83	2,124.54	3,921.37	6,645.12
55 mph	28.24	0.04	8.56	18.43	252.24	171.86	490.28	904.93	1,874.58
60 mph	56.47	0.08	17.13	36.85	504.48	343.73	490.28	904.93	2,353.95
65 mph	7.06	0.01	2.14	4.61	63.06	42.97	-	-	119.84
70 mph	-	-	-	-	-	-	-	-	-
total	705.90	0.95	214.09	460.68	6,306.02	4,296.61	16,342.59	30,164.38	58,491.22

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	2.92	0.00	0.89	3.98	67.61	46.07	-	-	121.47
15 mph	2.92	0.00	0.89	3.98	67.61	46.07	-	-	121.47
20 mph	2.92	0.00	0.89	3.98	67.61	46.07	1,178.47	2,175.16	3,475.09
25 mph	5.84	0.01	1.77	7.96	135.22	92.13	2,062.32	3,806.53	6,111.77
30 mph	11.68	0.02	3.54	15.91	270.45	184.27	3,535.40	6,525.47	10,546.73
35 mph	26.27	0.04	7.97	35.81	608.50	414.60	3,535.40	6,525.47	11,154.06
40 mph	29.19	0.04	8.85	39.79	676.11	460.67	3,240.78	5,981.68	10,437.12
45 mph	23.35	0.03	7.08	31.83	540.89	368.54	2,356.93	4,350.32	7,678.97
50 mph	26.27	0.04	7.97	35.81	608.50	414.60	1,178.47	2,175.16	4,446.81
55 mph	14.60	0.02	4.43	19.89	338.06	230.34	589.23	1,087.58	2,284.14
60 mph	8.76	0.01	2.66	11.94	202.83	138.20	41,246.31	76,130.52	117,741.23
65 mph	2.92	0.00	0.89	3.98	67.61	46.07	-	-	121.47
70 mph	134.28	0.18	40.72	183.02	3,110.12	2,119.08	-	-	5,587.41
total	291.91	0.39	88.53	397.86	6,761.14	4,606.71	58,923.31	108,757.88	179,827.74

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	39.28	26.77	110.71	204.35	381.11
15 mph	44.18	0.06	13.40	13.38	197.24	134.39	539.69	996.13	1,938.47
25 mph	-	-	-	-	374.59	255.23	2,361.66	4,359.04	7,350.52
35 mph	190.11	0.26	57.66	52.91	-	-	-	-	300.93
total	234.29	0.31	71.06	66.30	571.83	389.61	2,901.35	5,355.18	9,589.93

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	39.28	26.77	110.71	204.35	381.11
10 mph	38.21	0.05	11.59	27.01	382.91	260.90	980.56	1,809.86	3,511.10
15 mph	61.22	0.08	18.57	26.58	390.97	266.39	866.54	1,599.42	3,229.76
20 mph	31.16	0.04	9.45	22.41	319.85	217.93	1,832.17	3,381.73	5,814.74
25 mph	147.02	0.20	44.59	100.09	1,771.02	1,206.68	8,019.35	14,801.73	26,090.68
30 mph	166.98	0.22	50.64	117.26	1,657.77	1,129.52	6,803.92	12,558.35	22,484.66
35 mph	343.44	0.46	104.16	171.64	1,743.59	1,187.99	5,006.23	9,240.27	17,797.78
40 mph	71.55	0.10	21.70	67.43	1,054.48	718.47	4,875.04	8,998.12	15,806.87
45 mph	58.65	0.08	17.79	54.86	856.19	583.37	3,664.34	6,763.47	11,998.74
50 mph	61.57	0.08	18.67	58.84	923.80	629.43	3,303.00	6,096.53	11,091.93
55 mph	42.83	0.06	12.99	38.32	590.30	402.20	1,079.51	1,992.51	4,158.72
60 mph	65.23	0.09	19.78	48.79	707.32	481.93	41,736.59	77,035.45	120,095.18
65 mph	9.98	0.01	3.03	8.59	130.67	89.03	-	-	241.31
70 mph	134.28	0.18	40.72	183.02	3,110.12	2,119.08	-	-	5,587.41
total	1,232.11	1.65	373.68	924.84	13,638.98	9,292.93	78,167.25	144,277.45	247,908.88

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	138.90	5.46	33.95	22.25	-	-	-	112.16	312.73
15 mph	55.56	2.18	13.58	8.90	-	-	-	37.39	117.61
20 mph	111.12	4.37	27.16	17.80	-	-	-	74.78	235.23
25 mph	555.62	21.84	135.80	89.01	-	-	-	411.27	1,213.53
30 mph	611.18	24.02	149.38	97.91	-	-	-	373.88	1,256.37
35 mph	500.06	19.65	122.22	80.11	-	-	-	168.25	890.28
40 mph	166.69	6.55	40.74	26.70	-	-	-	186.94	427.62
45 mph	138.90	5.46	33.95	22.25	-	-	-	149.55	350.12
50 mph	138.90	5.46	33.95	22.25	-	-	-	243.02	443.59
55 mph	111.12	4.37	27.16	17.80	-	-	-	56.08	216.53
60 mph	222.25	8.73	54.32	35.60	-	-	-	56.08	376.99
65 mph	27.78	1.09	6.79	4.45	-	-	-	-	40.11
70 mph	-	-	-	-	-	-	-	-	-
total	2,778.09	109.18	679.00	445.04	-	-	-	1,869.41	5,880.72

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	11.49	0.45	2.81	3.84	-	-	-	-	18.59
15 mph	11.49	0.45	2.81	3.84	-	-	-	-	18.59
20 mph	11.49	0.45	2.81	3.84	-	-	-	134.80	153.39
25 mph	22.98	0.90	5.62	7.69	-	-	-	235.91	273.09
30 mph	45.95	1.81	11.23	15.37	-	-	-	404.41	478.77
35 mph	103.39	4.06	25.27	34.59	-	-	-	404.41	571.73
40 mph	114.88	4.51	28.08	38.44	-	-	-	370.71	556.62
45 mph	91.91	3.61	22.46	30.75	-	-	-	269.61	418.34
50 mph	103.39	4.06	25.27	34.59	-	-	-	134.80	302.12
55 mph	57.44	2.26	14.04	19.22	-	-	-	67.40	160.36
60 mph	34.46	1.35	8.42	11.53	-	-	-	4,718.11	4,773.89
65 mph	11.49	0.45	2.81	3.84	-	-	-	-	18.59
70 mph	528.46	20.77	129.16	176.80	-	-	-	-	855.19
total	1,148.82	45.15	280.79	384.36	-	-	-	6,740.16	8,599.27

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	12.66	12.66
15 mph	173.89	6.83	42.50	12.93	-	-	-	61.73	297.88
25 mph	-	-	-	-	-	-	-	270.15	270.15
35 mph	748.17	29.40	182.86	51.12	-	-	-	-	1,011.55
total	922.05	36.24	225.36	64.05	-	-	-	331.88	1,579.58

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	12.66	12.66
10 mph	150.39	5.91	36.76	26.10	-	-	-	112.16	331.32
15 mph	240.94	9.47	58.89	25.67	-	-	-	99.12	434.09
20 mph	122.61	4.82	29.97	21.65	-	-	-	209.58	388.62
25 mph	578.59	22.74	141.42	96.70	-	-	-	917.32	1,756.77
30 mph	657.13	25.82	160.61	113.28	-	-	-	778.29	1,735.14
35 mph	1,351.62	53.12	330.35	165.82	-	-	-	572.66	2,473.56
40 mph	281.57	11.07	68.82	65.14	-	-	-	557.65	984.24
45 mph	230.81	9.07	56.41	53.00	-	-	-	419.16	768.45
50 mph	242.30	9.52	59.22	56.84	-	-	-	377.83	745.71
55 mph	168.56	6.62	41.20	37.02	-	-	-	123.48	376.89
60 mph	256.71	10.09	62.74	47.13	-	-	-	4,774.20	5,150.87
65 mph	39.27	1.54	9.60	8.29	-	-	-	-	58.70
70 mph	528.46	20.77	129.16	176.80	-	-	-	-	855.19
total	3,101.28	121.88	758.00	449.21	-	-	-	2,689.14	16,059.57

World Logistics Center
Mobile Emissions - 2029 (Net) - Unmitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	20049	330	0.21	4210.3	3994.4	43.7	172.1
	LDT1	15	1479	330	0.21	310.6	303.8	0.1	6.8
	LDT2	15	7403	330	0.21	1554.6	1499.3	13.3	42.1
	MDT	15	2230	330	0.21	468.4	442.3	13.3	12.8
	LHDT1	15	1960	330	0.21	411.5	214.8	196.7	0.0
	LHDT2	15	942	330	0.21	197.9	63.8	134.0	0.0
	MHDT	15	3000	330	0.21	630.0	94.4	535.6	0.0
	HHDT	15	5002	330	0.21	1050.5	0.7	988.5	61.3
Travel at Light Logistics	LDA	15	144	175	0.11	15.8	15.0	0.2	0.6
	LDT1	15	11	175	0.11	1.2	1.1	0.0	0.0
	LDT2	15	53	175	0.11	5.8	5.6	0.0	0.2
	MDT	15	13	175	0.11	1.5	1.4	0.0	0.0
	LHDT1	15	8	175	0.11	0.9	0.5	0.4	0.0
	LHDT2	15	4	175	0.11	0.4	0.1	0.3	0.0
	MHDT	15	10	175	0.11	1.1	0.2	0.9	0.0
	HHDT	15	16	175	0.11	1.8	0.0	1.7	0.1
Travel at Utility	LDA	15	163	100	0.06	9.8	9.3	0.1	0.4
	LDT1	15	12	100	0.06	0.7	0.7	0.0	0.0
	LDT2	15	60	100	0.06	3.6	3.5	0.0	0.1
	MDT	15	35	100	0.06	2.1	2.0	0.1	0.1
	LHDT1	15	5	100	0.06	0.3	0.2	0.2	0.0
	LHDT2	15	3	100	0.06	0.2	0.0	0.1	0.0
	MHDT	15	10	100	0.06	0.6	0.1	0.5	0.0
	HHDT	15	17	100	0.06	1.0	0.0	1.0	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	106	50	0.03	3.2	0.5	2.7	0.0
	HHDT	15	176	50	0.03	5.3	0.0	5.0	0.3
Travel at Convenience Store	LDA	15	498	50	0.03	14.9	14.2	0.2	0.6
	LDT1	15	37	50	0.03	1.1	1.1	0.0	0.0
	LDT2	15	184	50	0.03	5.5	5.3	0.0	0.1
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	71	50	0.03	2.1	2.0	0.0	0.1
	LDT1	15	5	50	0.03	0.2	0.2	0.0	0.0
	LDT2	15	26	50	0.03	0.8	0.8	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	4034.9	306.9	1514.4	445.6	215.5	64.0	95.2	0.7
Diesel	44.2	0.1	13.4	13.4	197.2	134.4	539.7	996.1
Electric/Natural Gas (HHDT)	173.9	6.8	42.5	12.9	0.0	0.0	0.0	61.7

World Logistics Center
Mobile Emissions - 2029 (Net) - Unmitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	980	512	468	0	2557.7	2341.3	0.0
	LHDT2	5	471	152	319	0	760.1	1595.3	0.0
	MHDT	5	1500	225	1275	0	1124.2	6375.8	0.0
	HHDT	5	2501	2	2354	146	8.4	11768.2	729.3
Travel at Light Logistics	LHDT1	5	4	2	2	0	10.3	9.4	0.0
	LHDT2	5	2	1	1	0	3.1	6.4	0.0
	MHDT	5	5	1	4	0	3.6	20.6	0.0
	HHDT	5	8	0	8	0	0.0	38.1	2.4
Travel at Utility	LHDT1	5	3	1	1	0	6.9	6.3	0.0
	LHDT2	5	1	0	1	0	2.1	4.3	0.0
	MHDT	5	5	1	4	0	3.8	21.5	0.0
	HHDT	5	8	0	8	0	0.0	39.6	2.5
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	53	8	45	0	39.6	224.8	0.0
	HHDT	5	88	0	83	5	0.3	414.9	25.7
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	42.9	12.8	19.5	0.2
Diesel	39.3	26.8	110.7	204.3
Electric/Natural Gas (HHDT)	0.0	0.0	0.0	12.7

World Logistics Center
Mobile Emissions - 2029 (Net) - Unmitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					15.0659	15.2268	27.0884	11.3208
10 mph	0.0203	0.0514	0.0369	0.0453	0.0541	0.0405	0.0989	1.4447
15 mph	0.0136	0.0349	0.0249	0.0306	0.0368	0.0272	0.0663	0.9581
20 mph	0.0096	0.0251	0.0177	0.0217	0.0269	0.0195	0.0470	0.6773
25 mph	0.0071	0.0188	0.0131	0.0161	0.0203	0.0145	0.0345	0.5022
30 mph	0.0055	0.0148	0.0102	0.0126	0.0161	0.0113	0.0265	0.3933
35 mph	0.0045	0.0122	0.0083	0.0103	0.0136	0.0093	0.0216	0.3256
40 mph	0.0039	0.0106	0.0072	0.0090	0.0121	0.0082	0.0189	0.2845
45 mph	0.0036	0.0097	0.0066	0.0082	0.0113	0.0076	0.0172	0.2616
50 mph	0.0034	0.0094	0.0064	0.0079	0.0110	0.0073	0.0166	0.2532
55 mph	0.0035	0.0094	0.0064	0.0080	0.0114	0.0075	0.0171	0.2587
60 mph	0.0037	0.0098	0.0067	0.0084	0.0123	0.0080	0.0183	0.2767
65 mph	0.0040	0.0107	0.0074	0.0093	0.0140	0.0091		
70 mph	0.0043	0.0127	0.0077	0.0101	0.0147	0.0087		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5204	2.3632
10 mph	0.0925	0.3686	0.1948	0.0977	0.5487	0.5508	0.0350	0.0820
15 mph	0.0466	0.2377	0.0954	0.0481	0.2783	0.2790	0.0195	0.0466
20 mph	0.0197	0.1587	0.0375	0.0194	0.1215	0.1211	0.0130	0.0290
25 mph	0.0124	0.1219	0.0226	0.0120	0.0780	0.0776	0.0102	0.0241
30 mph	0.0095	0.1007	0.0171	0.0092	0.0611	0.0605	0.0082	0.0195
35 mph	0.0077	0.0874	0.0137	0.0074	0.0507	0.0499	0.0068	0.0160
40 mph	0.0065	0.0792	0.0113	0.0062	0.0437	0.0429	0.0058	0.0137
45 mph	0.0057	0.0748	0.0096	0.0053	0.0389	0.0380	0.0053	0.0126
50 mph	0.0051	0.0742	0.0084	0.0047	0.0360	0.0350	0.0053	0.0127
55 mph	0.0047	0.0771	0.0074	0.0042	0.0340	0.0330	0.0058	0.0140
60 mph	0.0047	0.0837	0.0070	0.0041	0.0342	0.0330	0.0068	0.0162
65 mph	0.0049	0.0956	0.0071	0.0043	0.0383	0.0367		
70 mph	0.0050	0.1103	0.0073	0.0046	0.0591	0.0524		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0624
10 mph								0.5064
15 mph								0.3192
20 mph								0.2062
25 mph								0.1522
30 mph								0.1160
35 mph								0.0888
40 mph								0.0685
45 mph								0.0536
50 mph								0.0429
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1445	0.0278	0.0985	0.0767	0.0411	0.0091	0.0377	0.0041	0.4395
15 mph	0.0388	0.0075	0.0266	0.0207	0.0112	0.0025	0.0084	0.0009	0.1165
20 mph	0.0546	0.0108	0.0377	0.0294	0.0163	0.0035	0.0120	0.0013	0.1656
25 mph	0.2010	0.0406	0.1396	0.1089	0.0616	0.0131	0.0482	0.0053	0.6182
30 mph	0.1713	0.0351	0.1195	0.0935	0.0538	0.0112	0.0337	0.0038	0.5218
35 mph	0.1142	0.0238	0.0799	0.0627	0.0371	0.0076	0.0124	0.0014	0.3390
40 mph	0.0330	0.0069	0.0231	0.0182	0.0110	0.0022	0.0120	0.0014	0.1078
45 mph	0.0253	0.0053	0.0177	0.0139	0.0086	0.0017	0.0087	0.0010	0.0822
50 mph	0.0244	0.0051	0.0169	0.0134	0.0084	0.0017	0.0137	0.0016	0.0851
55 mph	0.0197	0.0041	0.0137	0.0109	0.0069	0.0014	0.0033	0.0004	0.0603
60 mph	0.0416	0.0085	0.0287	0.0228	0.0149	0.0029	0.0035	0.0004	0.1232
65 mph	0.0057	0.0012	0.0039	0.0031	0.0021	0.0004	-	-	0.0165
70 mph	-	-	-	-	-	-	-	-	-
total	0.8741	0.1766	0.6057	0.4742	0.2730	0.0573	0.1935	0.0215	2.6757

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0120	0.0023	0.0081	0.0132	0.0088	0.0020	-	-	0.0464
15 mph	0.0080	0.0016	0.0055	0.0089	0.0060	0.0013	-	-	0.0313
20 mph	0.0056	0.0011	0.0039	0.0063	0.0044	0.0009	0.0215	0.0023	0.0462
25 mph	0.0083	0.0017	0.0058	0.0094	0.0066	0.0014	0.0276	0.0030	0.0638
30 mph	0.0129	0.0026	0.0090	0.0147	0.0105	0.0022	0.0365	0.0041	0.0924
35 mph	0.0236	0.0049	0.0165	0.0271	0.0199	0.0041	0.0297	0.0034	0.1291
40 mph	0.0228	0.0048	0.0159	0.0262	0.0197	0.0040	0.0238	0.0027	0.1198
45 mph	0.0167	0.0035	0.0117	0.0192	0.0147	0.0029	0.0157	0.0018	0.0863
50 mph	0.0181	0.0038	0.0126	0.0208	0.0162	0.0032	0.0076	0.0009	0.0832
55 mph	0.0102	0.0021	0.0071	0.0117	0.0093	0.0018	0.0039	0.0004	0.0466
60 mph	0.0064	0.0013	0.0044	0.0074	0.0060	0.0012	0.2938	0.0333	0.3538
65 mph	0.0024	0.0005	0.0016	0.0027	0.0023	0.0004	-	-	0.0099
70 mph	0.1159	0.0261	0.0779	0.1356	0.1098	0.0194	-	-	0.4847
total	0.2629	0.0562	0.1801	0.3033	0.2341	0.0448	0.4602	0.0519	1.5936

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.4257	0.4282	1.1660	0.0052	3.0250
15 mph	0.1214	0.0236	0.0831	0.0300	0.0175	0.0038	0.0139	0.0015	0.2949
25 mph	-	-	-	-	0.0183	0.0039	0.0317	0.0035	0.0573
35 mph	0.1709	0.0355	0.1195	0.0400	-	-	-	-	0.3660
total	0.2922	0.0592	0.2026	0.0701	1.4614	0.4359	1.2116	0.0101	3.7431

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.4257	0.4282	1.1660	0.0052	3.0250
10 mph	0.1565	0.0301	0.1066	0.0899	0.0499	0.0111	0.0377	0.0041	0.4859
15 mph	0.1682	0.0327	0.1152	0.0596	0.0346	0.0076	0.0223	0.0024	0.4427
20 mph	0.0602	0.0120	0.0416	0.0357	0.0207	0.0045	0.0335	0.0036	0.2118
25 mph	0.2093	0.0423	0.1453	0.1183	0.0865	0.0183	0.1075	0.0118	0.7393
30 mph	0.1841	0.0378	0.1284	0.1082	0.0643	0.0134	0.0702	0.0078	0.6142
35 mph	0.3087	0.0642	0.2159	0.1299	0.0569	0.0117	0.0421	0.0048	0.8341
40 mph	0.0558	0.0117	0.0391	0.0444	0.0307	0.0062	0.0358	0.0040	0.2276
45 mph	0.0420	0.0088	0.0294	0.0332	0.0233	0.0046	0.0245	0.0028	0.1685
50 mph	0.0425	0.0088	0.0296	0.0342	0.0246	0.0048	0.0213	0.0024	0.1683
55 mph	0.0299	0.0062	0.0208	0.0226	0.0163	0.0032	0.0072	0.0008	0.1069
60 mph	0.0480	0.0098	0.0331	0.0302	0.0209	0.0041	0.2973	0.0337	0.4770
65 mph	0.0081	0.0016	0.0056	0.0059	0.0044	0.0009	-	-	0.0264
70 mph	0.1159	0.0261	0.0779	0.1356	0.1098	0.0194	-	-	0.4847
total	1.4293	0.2920	0.9884	0.8475	1.9685	0.5380	1.8653	0.0835	8.0124

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0072	0.0000	0.0046	0.0050	0.3815	0.2609	0.0757	0.3271	1.0620
15 mph	0.0015	0.0000	0.0009	0.0010	0.0774	0.0529	0.0140	0.0620	0.2096
20 mph	0.0012	0.0000	0.0007	0.0008	0.0676	0.0459	0.0187	0.0772	0.2121
25 mph	0.0039	0.0001	0.0021	0.0024	0.2170	0.1470	0.0805	0.3532	0.8062
30 mph	0.0033	0.0000	0.0018	0.0020	0.1868	0.1261	0.0591	0.2598	0.6390
35 mph	0.0022	0.0000	0.0012	0.0014	0.1269	0.0852	0.0219	0.0956	0.3343
40 mph	0.0006	0.0000	0.0003	0.0004	0.0365	0.0244	0.0209	0.0914	0.1745
45 mph	0.0004	0.0000	0.0002	0.0003	0.0270	0.0180	0.0153	0.0673	0.1286
50 mph	0.0004	0.0000	0.0002	0.0002	0.0251	0.0166	0.0250	0.1095	0.1770
55 mph	0.0003	0.0000	0.0001	0.0002	0.0189	0.0125	0.0063	0.0279	0.0662
60 mph	0.0006	0.0000	0.0003	0.0003	0.0380	0.0250	0.0073	0.0324	0.1040
65 mph	0.0001	0.0000	0.0000	0.0000	0.0053	0.0035	-	-	0.0090
70 mph	-	-	-	-	-	-	-	-	-
total	0.0216	0.0002	0.0125	0.0140	1.2080	0.8179	0.3449	1.5035	3.9225

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0004	0.0009	0.0818	0.0560	-	-	0.1396
15 mph	0.0003	0.0000	0.0002	0.0004	0.0415	0.0283	-	-	0.0707
20 mph	0.0001	0.0000	0.0001	0.0002	0.0181	0.0123	0.0338	0.1392	0.2037
25 mph	0.0002	0.0000	0.0001	0.0002	0.0233	0.0158	0.0462	0.2026	0.2883
30 mph	0.0002	0.0000	0.0001	0.0003	0.0364	0.0246	0.0640	0.2810	0.4067
35 mph	0.0004	0.0000	0.0002	0.0006	0.0680	0.0457	0.0526	0.2299	0.3975
40 mph	0.0004	0.0000	0.0002	0.0005	0.0652	0.0435	0.0414	0.1813	0.3326
45 mph	0.0003	0.0000	0.0002	0.0004	0.0464	0.0309	0.0276	0.1213	0.2270
50 mph	0.0003	0.0000	0.0001	0.0004	0.0484	0.0320	0.0138	0.0607	0.1558
55 mph	0.0002	0.0000	0.0001	0.0002	0.0253	0.0168	0.0076	0.0335	0.0836
60 mph	0.0001	0.0000	0.0000	0.0001	0.0153	0.0101	0.6183	2.7237	3.3676
65 mph	0.0000	0.0000	0.0000	0.0000	0.0057	0.0037	-	-	0.0095
70 mph	0.0015	0.0000	0.0007	0.0019	0.4051	0.2450	-	-	0.6541
total	0.0046	0.0001	0.0024	0.0061	0.8805	0.5646	0.9053	3.9734	6.3369

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2749	0.1873	0.1270	1.0648	1.6540
15 mph	0.0045	0.0000	0.0028	0.0014	0.1210	0.0827	0.0232	0.1024	0.3381
25 mph	-	-	-	-	0.0645	0.0437	0.0529	0.2320	0.3930
35 mph	0.0032	0.0000	0.0017	0.0009	-	-	-	-	0.0059
total	0.0078	0.0001	0.0046	0.0023	0.4603	0.3136	0.2031	1.3992	2.3910

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2749	0.1873	0.1270	1.0648	1.6540
10 mph	0.0078	0.0000	0.0050	0.0058	0.4633	0.3169	0.0757	0.3271	1.2016
15 mph	0.0063	0.0000	0.0039	0.0028	0.2399	0.1639	0.0372	0.1644	0.6184
20 mph	0.0014	0.0000	0.0008	0.0010	0.0857	0.0582	0.0525	0.2164	0.4159
25 mph	0.0040	0.0001	0.0022	0.0026	0.3048	0.2064	0.1796	0.7879	1.4876
30 mph	0.0035	0.0000	0.0019	0.0024	0.2232	0.1506	0.1231	0.5408	1.0456
35 mph	0.0058	0.0001	0.0031	0.0028	0.1950	0.1308	0.0745	0.3256	0.7377
40 mph	0.0010	0.0000	0.0005	0.0009	0.1017	0.0679	0.0623	0.2728	0.5071
45 mph	0.0007	0.0000	0.0004	0.0006	0.0734	0.0489	0.0429	0.1886	0.3556
50 mph	0.0007	0.0000	0.0003	0.0006	0.0734	0.0486	0.0388	0.1702	0.3328
55 mph	0.0004	0.0000	0.0002	0.0004	0.0442	0.0293	0.0139	0.0614	0.1498
60 mph	0.0007	0.0000	0.0003	0.0004	0.0533	0.0351	0.6257	2.7561	3.4716
65 mph	0.0001	0.0000	0.0000	0.0001	0.0110	0.0072	-	-	0.0185
70 mph	0.0015	0.0000	0.0007	0.0019	0.4051	0.2450	-	-	0.6541
total	0.0339	0.0004	0.0194	0.0223	2.5489	1.6960	1.4532	6.8762	12.6504

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT)

Surface Street Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1252	0.1252
15 mph								0.0263	0.0263
20 mph								0.0340	0.0340
25 mph								0.1381	0.1381
30 mph								0.0956	0.0956
35 mph								0.0329	0.0329
40 mph								0.0283	0.0283
45 mph								0.0177	0.0177
50 mph								0.0230	0.0230
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.5211	0.5211

Freeway Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0613	0.0613
25 mph								0.0792	0.0792
30 mph								0.1034	0.1034
35 mph								0.0792	0.0792
40 mph								0.0560	0.0560
45 mph								0.0319	0.0319
50 mph								0.0128	0.0128
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.3231	0.3231

Internal Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0017	0.0017
15 mph								0.0435	0.0435
25 mph								0.0907	0.0907
35 mph								-	-
total	-	-	-	-	-	-	-	0.1359	0.1359

Total Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0017	0.0017
10 mph								0.1252	0.1252
15 mph								0.0698	0.0698
20 mph								0.0953	0.0953
25 mph								0.3079	0.3079
30 mph								0.1990	0.1990
35 mph								0.1121	0.1121
40 mph								0.0843	0.0843
45 mph								0.0496	0.0496
50 mph								0.0358	0.0358
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.0808	1.0808

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2932	0.8716	0.5134	0.5646	0.9161	0.8213	0.4913	1.0141
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS + HOTSOAK Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.4755	0.3336	0.9698	2.3244	1.2606	0.3358	0.3244	0.0050
Electric/NG	-	-	-	-	-	-	-	-
Total	**1.4755**	**0.3336**	**0.9698**	**2.3244**	**1.2606**	**0.3358**	**0.3244**	**0.0050**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3371	0.7009	0.5646	0.7158	0.0709	0.0660	0.0536	0.0707
Electric/NG	0.0315	0.0313	0.0314	0.0314	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.8483	0.1342	0.5333	1.4734	0.0488	0.0135	0.0177	0.0002
Electric/NG	0.0034	0.0001	0.0008	0.0019	-	-	-	-
Total	0.8517	0.1343	0.5341	1.4753	0.0488	0.0135	0.0177	0.0002

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1396	0.2028	0.1990	0.2409	0.0814	0.0815	0.1689	0.0015
Diesel/NG	-	-	-	-	-	-	-	-
Electric	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.7024	0.0776	0.3760	0.9918	0.1120	0.0333	0.1115	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.7024	0.0776	0.3760	0.9918	0.1120	0.0333	0.1115	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.7005	0.6155	1.2931	1.0717	4.6808
10 mph	0.1643	0.0301	0.1116	0.0957	0.5131	0.3280	0.1134	0.4565	1.8127
15 mph	0.1745	0.0328	0.1191	0.0624	0.2745	0.1715	0.0595	0.2366	1.1309
20 mph	0.0616	0.0120	0.0424	0.0367	0.1064	0.0627	0.0860	0.3153	0.7229
25 mph	0.2133	0.0423	0.1476	0.1210	0.3912	0.2247	0.2871	1.1076	2.5348
30 mph	0.1877	0.0378	0.1304	0.1105	0.2875	0.1641	0.1933	0.7476	1.8589
35 mph	0.3145	0.0643	0.2190	0.1327	0.2519	0.1425	0.1166	0.4424	1.6839
40 mph	0.0568	0.0117	0.0396	0.0453	0.1324	0.0741	0.0980	0.3611	0.8190
45 mph	0.0428	0.0088	0.0297	0.0338	0.0967	0.0535	0.0674	0.2410	0.5737
50 mph	0.0432	0.0089	0.0299	0.0349	0.0980	0.0535	0.0602	0.2085	0.5369
55 mph	0.0304	0.0062	0.0210	0.0229	0.0605	0.0324	0.0210	0.0623	0.2567
60 mph	0.0487	0.0098	0.0334	0.0306	0.0741	0.0392	0.9229	2.7898	3.9486
65 mph	0.0082	0.0016	0.0056	0.0059	0.0155	0.0081	-	-	0.0449
70 mph	0.1174	0.0261	0.0786	0.1374	0.5150	0.2644	-	-	1.1388
RUNLOSS HO	1.4755	0.3336	0.9698	2.3244	1.2606	0.3358	0.3244	0.0050	7.0291
RESTLOSS DIU	0.8517	0.1343	0.5341	1.4753	0.0488	0.0135	0.0177	0.0002	3.0755
STREX	0.7024	0.0776	0.3760	0.9918	0.1120	0.0333	0.1115	0.0000	2.4047
total	4.4928	0.8379	2.8877	5.6613	5.9388	2.6166	3.7721	8.0456	**34.2529**

World Logistics Center
Mobile Emissions - 2029 (Net) - Unmitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.3137	1.3270	2.4060	27.4018
10 mph	0.0372	0.0902	0.0699	0.0841	0.1494	0.1612	0.3010	4.8468
15 mph	0.0328	0.0777	0.0609	0.0732	0.1317	0.1414	0.2674	4.2852
20 mph	0.0294	0.0689	0.0543	0.0653	0.1215	0.1285	0.2424	3.8949
25 mph	0.0267	0.0618	0.0489	0.0590	0.1122	0.1174	0.2194	3.5786
30 mph	0.0246	0.0569	0.0449	0.0545	0.1059	0.1095	0.2011	3.3497
35 mph	0.0231	0.0534	0.0420	0.0512	0.1019	0.1038	0.1878	3.1882
40 mph	0.0221	0.0511	0.0400	0.0489	0.0989	0.0997	0.1799	3.0711
45 mph	0.0214	0.0498	0.0389	0.0476	0.0971	0.0970	0.1733	2.9975
50 mph	0.0211	0.0500	0.0386	0.0474	0.0972	0.0958	0.1714	2.9745
55 mph	0.0214	0.0517	0.0395	0.0485	0.0996	0.0975	0.1744	3.0218
60 mph	0.0223	0.0549	0.0416	0.0510	0.1032	0.1012	0.1806	3.1210
65 mph	0.0233	0.0589	0.0437	0.0540	0.1090	0.1062		
70 mph	0.0241	0.0663	0.0445	0.0575	0.1221	0.1075		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					41.9770	42.4036	33.8559	28.7839
10 mph	0.0704	0.5115	0.1262	0.0705	0.6781	0.6598	5.1634	11.6278
15 mph	0.0516	0.5091	0.0854	0.0492	0.5697	0.5588	3.6295	7.7029
20 mph	0.0385	0.5135	0.0573	0.0349	0.5545	0.5361	2.8842	5.3663
25 mph	0.0326	0.5229	0.0443	0.0286	0.5473	0.5261	2.2549	4.5151
30 mph	0.0295	0.5349	0.0375	0.0256	0.5712	0.5434	1.6920	3.3941
35 mph	0.0274	0.5459	0.0330	0.0239	0.6148	0.5754	1.2431	2.5924
40 mph	0.0262	0.5644	0.0298	0.0226	0.6517	0.6044	0.9082	1.9089
45 mph	0.0257	0.5864	0.0274	0.0216	0.6787	0.6274	0.6877	1.4629
50 mph	0.0255	0.6057	0.0257	0.0211	0.7178	0.6617	0.5854	1.2035
55 mph	0.0252	0.6312	0.0243	0.0207	0.7281	0.6742	0.5984	1.2374
60 mph	0.0256	0.6556	0.0238	0.0207	0.7406	0.6851	0.7264	1.4796
65 mph	0.0257	0.6663	0.0241	0.0215	0.8335	0.7638		
70 mph	0.0271	0.6326	0.0258	0.0259	1.5462	1.2988		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								32.3878
10 mph								3.0241
15 mph								2.2434
20 mph								1.7484
25 mph								1.4926
30 mph								1.3400
35 mph								1.2296
40 mph								1.1470
45 mph								1.0851
50 mph								1.0395
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.2646	0.0487	0.1864	0.1422	0.1135	0.0364	0.1148	0.0139	0.9204
15 mph	0.0931	0.0168	0.0650	0.0495	0.0400	0.0128	0.0340	0.0041	0.3153
20 mph	0.1670	0.0298	0.1158	0.0884	0.0738	0.0232	0.0616	0.0074	0.5671
25 mph	0.7581	0.1337	0.5215	0.3994	0.3408	0.1060	0.3067	0.0376	2.6037
30 mph	0.7706	0.1352	0.5272	0.4054	0.3539	0.1087	0.2555	0.0320	2.5885
35 mph	0.5917	0.1039	0.4030	0.3115	0.2785	0.0844	0.1074	0.0137	1.8940
40 mph	0.1882	0.0331	0.1281	0.0993	0.0901	0.0270	0.1143	0.0147	0.6947
45 mph	0.1520	0.0269	0.1038	0.0805	0.0737	0.0219	0.0881	0.0114	0.5583
50 mph	0.1502	0.0270	0.1029	0.0801	0.0738	0.0216	0.1416	0.0185	0.6157
55 mph	0.1218	0.0223	0.0844	0.0656	0.0605	0.0176	0.0332	0.0043	0.4099
60 mph	0.2539	0.0475	0.1775	0.1381	0.1254	0.0365	0.0344	0.0045	0.8179
65 mph	0.0331	0.0064	0.0233	0.0182	0.0166	0.0048	-	-	0.1024
70 mph	-	-	-	-	-	-	-	-	-
total	3.5444	0.6314	2.4389	1.8782	1.6407	0.5008	1.2915	0.1620	12.0880

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0219	0.0040	0.0154	0.0246	0.0243	0.0078	-	-	0.0980
15 mph	0.0193	0.0035	0.0134	0.0214	0.0215	0.0068	-	-	0.0858
20 mph	0.0173	0.0031	0.0120	0.0191	0.0198	0.0062	0.1110	0.0134	0.2019
25 mph	0.0313	0.0055	0.0216	0.0345	0.0365	0.0114	0.1759	0.0215	0.3383
30 mph	0.0579	0.0102	0.0396	0.0637	0.0690	0.0212	0.2764	0.0346	0.5725
35 mph	0.1223	0.0215	0.0833	0.1345	0.1493	0.0452	0.2581	0.0329	0.8472
40 mph	0.1297	0.0228	0.0883	0.1429	0.1610	0.0483	0.2266	0.0291	0.8487
45 mph	0.1006	0.0178	0.0687	0.1112	0.1265	0.0375	0.1588	0.0206	0.6417
50 mph	0.1118	0.0201	0.0766	0.1245	0.1425	0.0417	0.0785	0.0102	0.6061
55 mph	0.0630	0.0115	0.0436	0.0709	0.0811	0.0236	0.0400	0.0052	0.3389
60 mph	0.0394	0.0074	0.0275	0.0447	0.0504	0.0147	2.8970	0.3759	3.4570
65 mph	0.0137	0.0026	0.0096	0.0158	0.0177	0.0051	-	-	0.0646
70 mph	0.6513	0.1364	0.4520	0.7723	0.9151	0.2393	-	-	3.1663
total	1.3795	0.2665	0.9517	1.5800	1.8147	0.5089	4.2224	0.5434	11.2670

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1243	0.0373	0.1036	0.0125	0.2777
15 mph	0.2914	0.0526	0.2034	0.0719	0.0626	0.0200	0.0561	0.0068	0.7647
25 mph	-	-	-	-	0.1012	0.0315	0.2014	0.0247	0.3588
35 mph	0.8852	0.1554	0.6029	0.1988	-	-	-	-	1.8423
total	1.1767	0.2080	0.8062	0.2707	0.2881	0.0888	0.3611	0.0439	3.2435

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1243	0.0373	0.1036	0.0125	0.2777
10 mph	0.2864	0.0528	0.2018	0.1668	0.1378	0.0442	0.1148	0.0139	1.0184
15 mph	0.4038	0.0729	0.2818	0.1428	0.1240	0.0396	0.0901	0.0108	1.1658
20 mph	0.1843	0.0329	0.1278	0.1075	0.0936	0.0294	0.1726	0.0208	0.7690
25 mph	0.7894	0.1392	0.5431	0.4339	0.4786	0.1488	0.6840	0.0838	3.3008
30 mph	0.8286	0.1454	0.5668	0.4690	0.4229	0.1299	0.5319	0.0665	3.1610
35 mph	1.5993	0.2807	1.0892	0.6448	0.4278	0.1296	0.3655	0.0466	4.5835
40 mph	0.3178	0.0560	0.2164	0.2422	0.2511	0.0753	0.3409	0.0437	1.5434
45 mph	0.2526	0.0448	0.1724	0.1917	0.2002	0.0594	0.2469	0.0321	1.2001
50 mph	0.2621	0.0471	0.1795	0.2046	0.2163	0.0634	0.2201	0.0287	1.2218
55 mph	0.1848	0.0339	0.1280	0.1365	0.1416	0.0412	0.0732	0.0095	0.7487
60 mph	0.2933	0.0549	0.2050	0.1828	0.1759	0.0512	2.9314	0.3803	4.2749
65 mph	0.0469	0.0090	0.0330	0.0340	0.0343	0.0099	-	-	0.1671
70 mph	0.6513	0.1364	0.4520	0.7723	0.9151	0.2393	-	-	3.1663
total	6.1005	1.1059	4.1968	3.7289	3.7436	1.0985	5.8750	0.7493	26.5985

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0055	0.0001	0.0030	0.0036	0.4715	0.3126	11.1639	46.4036	58.3636
15 mph	0.0016	0.0000	0.0008	0.0010	0.1584	0.1059	2.6158	10.2468	13.1303
20 mph	0.0024	0.0000	0.0011	0.0014	0.3084	0.2031	4.1573	14.2770	18.9508
25 mph	0.0101	0.0002	0.0042	0.0058	1.5219	0.9968	17.8762	66.0683	86.4835
30 mph	0.0101	0.0002	0.0039	0.0057	1.7475	1.1325	12.1946	45.1502	60.2447
35 mph	0.0077	0.0002	0.0028	0.0044	1.5387	0.9812	4.0315	15.5183	22.0848
40 mph	0.0025	0.0001	0.0008	0.0014	0.5437	0.3435	3.2727	12.6968	16.8615
45 mph	0.0020	0.0001	0.0006	0.0011	0.4718	0.2972	1.9827	7.7840	10.5395
50 mph	0.0020	0.0001	0.0006	0.0011	0.4990	0.3134	2.7425	10.4065	13.9652
55 mph	0.0016	0.0001	0.0005	0.0008	0.4050	0.2555	0.6469	2.4690	3.7793
60 mph	0.0032	0.0001	0.0009	0.0017	0.8239	0.5193	0.7852	2.9524	5.0866
65 mph	0.0004	0.0000	0.0001	0.0002	0.1159	0.0724	-	-	0.1890
70 mph	-	-	-	-	-	-	-	-	-
total	0.0490	0.0012	0.0193	0.0282	8.6057	5.5334	61.4694	233.9728	309.6790

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0005	0.0000	0.0002	0.0006	0.1011	0.0670	-	-	0.1694
15 mph	0.0003	0.0000	0.0002	0.0004	0.0849	0.0568	-	-	0.1426
20 mph	0.0002	0.0000	0.0001	0.0003	0.0827	0.0545	7.4945	25.7379	33.3703
25 mph	0.0004	0.0000	0.0002	0.0005	0.1632	0.1069	10.2538	37.8970	48.4220
30 mph	0.0008	0.0000	0.0003	0.0009	0.3407	0.2208	13.1903	48.8368	62.5905
35 mph	0.0016	0.0000	0.0006	0.0019	0.8249	0.5260	9.6904	37.3009	48.3463
40 mph	0.0017	0.0000	0.0006	0.0020	0.9715	0.6139	6.4899	25.1782	33.2578
45 mph	0.0013	0.0000	0.0004	0.0015	0.8094	0.5098	3.5742	14.0326	18.9295
50 mph	0.0015	0.0000	0.0005	0.0017	0.9631	0.6049	1.5212	5.7724	8.8653
55 mph	0.0008	0.0000	0.0002	0.0009	0.5428	0.3424	0.7775	2.9673	4.6320
60 mph	0.0005	0.0000	0.0001	0.0005	0.3313	0.2088	66.0603	248.3784	314.9799
65 mph	0.0002	0.0000	0.0000	0.0002	0.1243	0.0776	-	-	0.2022
70 mph	0.0080	0.0003	0.0023	0.0104	10.6034	6.0687	-	-	16.6932
total	0.0178	0.0005	0.0058	0.0219	15.9432	9.4581	119.0523	446.1016	590.6011

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.6361	2.5026	8.2649	12.9696	27.3732
15 mph	0.0050	0.0001	0.0025	0.0015	0.2478	0.1656	4.3192	16.9192	21.6608
25 mph	-	-	-	-	0.4520	0.2961	11.7422	43.3977	55.8880
35 mph	0.0115	0.0003	0.0042	0.0028	-	-	-	-	0.0188
total	0.0165	0.0004	0.0067	0.0042	4.3359	2.9643	24.3263	73.2865	104.9408

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.6361	2.5026	8.2649	12.9696	27.3732
10 mph	0.0059	0.0001	0.0032	0.0042	0.5726	0.3796	11.1639	46.4036	58.5330
15 mph	0.0070	0.0001	0.0035	0.0029	0.4911	0.3282	6.9350	27.1660	34.9338
20 mph	0.0026	0.0000	0.0012	0.0017	0.3911	0.2576	11.6518	40.0149	52.3210
25 mph	0.0106	0.0002	0.0044	0.0063	2.1371	1.3997	39.8723	147.3630	190.7935
30 mph	0.0109	0.0003	0.0042	0.0066	2.0881	1.3533	25.3850	93.9869	122.8352
35 mph	0.0208	0.0006	0.0076	0.0090	2.3636	1.5073	13.7219	52.8192	70.4499
40 mph	0.0041	0.0001	0.0014	0.0034	1.5152	0.9574	9.7626	37.8751	50.1193
45 mph	0.0033	0.0001	0.0011	0.0026	1.2813	0.8070	5.5569	21.8166	29.4690
50 mph	0.0035	0.0001	0.0011	0.0027	1.4621	0.9183	4.2637	16.1790	22.8305
55 mph	0.0024	0.0001	0.0007	0.0017	0.9477	0.5979	1.4245	5.4363	8.4114
60 mph	0.0037	0.0001	0.0010	0.0022	1.1551	0.7281	66.8455	251.3308	320.0666
65 mph	0.0006	0.0000	0.0002	0.0004	0.2402	0.1499	-	-	0.3912
70 mph	0.0080	0.0003	0.0023	0.0104	10.6034	6.0687	-	-	16.6932
total	0.0833	0.0021	0.0318	0.0543	28.8848	17.9558	204.8480	753.3609	1,005.2209

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT)

Surface Street Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.7479	0.7479
15 mph								0.1849	0.1849
20 mph								0.2883	0.2883
25 mph								1.3536	1.3536
30 mph								1.1047	1.1047
35 mph								0.4562	0.4562
40 mph								0.4728	0.4728
45 mph								0.3578	0.3578
50 mph								0.5570	0.5570
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.5233	5.5233

Freeway Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.5197	0.5197
25 mph								0.7764	0.7764
30 mph								1.1949	1.1949
35 mph								1.0964	1.0964
40 mph								0.9376	
45 mph								0.6451	
50 mph								0.3090	
55 mph								-	
60 mph								-	
65 mph								-	
70 mph								-	
total	-	-	-	-	-	-	-	3.5875	3.5875

Internal Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.9044	0.9044
15 mph								0.3054	0.3054
25 mph								0.8891	0.8891
35 mph								-	-
total	-	-	-	-	-	-	-	2.0989	2.0989

Total Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.9044	0.9044
10 mph								0.7479	0.7479
15 mph								0.4903	0.4903
20 mph								0.8080	0.8080
25 mph								3.0192	3.0192
30 mph								2.2997	2.2997
35 mph								1.5526	1.5526
40 mph								1.4104	1.4104
45 mph								1.0029	1.0029
50 mph								0.8660	0.8660
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	13.1014	13.1014

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.7604	2.5400	8.3685	13.8865	28.5553
10 mph	0.2924	0.0528	0.2051	0.1710	0.7103	0.4238	11.2787	47.1654	60.2994
15 mph	0.4108	0.0730	0.2853	0.1457	0.6152	0.3678	7.0251	27.6672	36.5900
20 mph	0.1870	0.0329	0.1290	0.1092	0.4847	0.2870	11.8245	40.8438	53.8980
25 mph	0.8000	0.1395	0.5475	0.4402	2.6157	1.5485	40.5562	150.4660	197.1135
30 mph	0.8394	0.1457	0.5710	0.4756	2.5110	1.4832	25.9169	96.3531	128.2959
35 mph	1.6200	0.2813	1.0967	0.6538	2.7914	1.6369	14.0874	54.4184	76.5860
40 mph	0.3220	0.0561	0.2179	0.2455	1.7663	1.0327	10.1035	39.3292	53.0732
45 mph	0.2559	0.0449	0.1735	0.1943	1.4814	0.8665	5.8038	22.8516	31.6719
50 mph	0.2655	0.0472	0.1806	0.2074	1.6784	0.9817	4.4838	17.0737	24.9184
55 mph	0.1872	0.0340	0.1287	0.1382	1.0893	0.6391	1.4977	5.4459	9.1601
60 mph	0.2970	0.0550	0.2061	0.1850	1.3310	0.7793	69.7769	251.7111	324.3414
65 mph	0.0474	0.0090	0.0331	0.0344	0.2745	0.1599	-	-	0.5583
70 mph	0.6593	0.1366	0.4543	0.7827	11.5185	6.3080	-	-	19.8595
STREX	0.7000	0.0681	0.3497	0.9026	0.5601	0.1718	8.2826	16.9455	27.9804
total	6.8839	1.1760	4.5784	4.6858	33.1884	19.2261	219.0056	784.1572	**1,072.9013**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1391	0.1778	0.1851	0.2193	0.4070	0.4201	0.3314	0.2132
Diesel	-	-	-	-	-	-	2.1534	2.4516
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.7000	0.0681	0.3497	0.9026	0.5601	0.1718	0.2188	0.0011
Diesel	-	-	-	-	-	-	8.0638	16.9445
Electric/NG	-	-	-	-	-	-	-	-
Total	0.7000	0.0681	0.3497	0.9026	0.5601	0.1718	8.2826	16.9455

World Logistics Center
Mobile Emissions - 2029 (Net) - Unmitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					154.6476	154.8608	387.0468	276.3839
10 mph	0.8244	1.3327	1.1089	1.2006	0.7437	0.5036	1.0082	50.1332
15 mph	0.7516	1.1975	1.0066	1.0873	0.6137	0.4404	0.9152	45.2568
20 mph	0.6878	1.0867	0.9188	0.9914	0.5326	0.3931	0.8401	41.2210
25 mph	0.6300	0.9878	0.8389	0.9051	0.4652	0.3514	0.7588	37.6264
30 mph	0.5787	0.9030	0.7685	0.8299	0.4163	0.3174	0.6853	34.4851
35 mph	0.5333	0.8310	0.7065	0.7645	0.3828	0.2908	0.6249	31.7788
40 mph	0.4945	0.7709	0.6550	0.7091	0.3611	0.2714	0.5818	29.5127
45 mph	0.4612	0.7196	0.6109	0.6618	0.3472	0.2556	0.5381	27.4882
50 mph	0.4300	0.6755	0.5698	0.6188	0.3412	0.2426	0.5042	25.7166
55 mph	0.4002	0.6337	0.5314	0.5784	0.3476	0.2359	0.4794	24.2047
60 mph	0.3671	0.5871	0.4887	0.5337	0.3621	0.2325	0.4552	22.8466
65 mph	0.3395	0.5511	0.4533	0.4972	0.4011	0.2387		
70 mph	0.3291	0.5704	0.4379	0.4881	0.4043	0.2059		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	20.5319	34.6971
10 mph	2.1710	2.4171	1.8798	2.3580	2.2994	2.3313	0.4876	1.3187
15 mph	1.0664	1.4819	0.9196	1.1522	1.1684	1.1810	0.2647	0.7272
20 mph	0.4235	0.9218	0.3594	0.4522	0.5209	0.5220	0.1770	0.4507
25 mph	0.2584	0.7067	0.2166	0.2742	0.3415	0.3404	0.1353	0.3608
30 mph	0.1969	0.5974	0.1640	0.2088	0.2731	0.2709	0.1040	0.2774
35 mph	0.1581	0.5327	0.1307	0.1677	0.2337	0.2299	0.0785	0.2083
40 mph	0.1318	0.5030	0.1081	0.1392	0.2088	0.2039	0.0589	0.1572
45 mph	0.1134	0.5008	0.0920	0.1188	0.1938	0.1881	0.0453	0.1213
50 mph	0.1004	0.5245	0.0800	0.1041	0.1899	0.1829	0.0376	0.1007
55 mph	0.0909	0.5825	0.0709	0.0929	0.1908	0.1830	0.0359	0.0971
60 mph	0.0888	0.6820	0.0676	0.0892	0.2061	0.1964	0.0400	0.1076
65 mph	0.0921	0.8378	0.0685	0.0919	0.2552	0.2402		
70 mph	0.0960	0.9468	0.0701	0.0990	0.4582	0.3995		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								33.3999
10 mph								35.2046
15 mph								24.7876
20 mph								17.9280
25 mph								13.1411
30 mph								9.6879
35 mph								7.1433
40 mph								5.2681
45 mph								3.8865
50 mph								2.8688
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	5.8589	0.7204	2.9581	2.0305	0.5648	0.1137	0.3844	0.1435	12.7742
15 mph	2.1367	0.2589	1.0740	0.7355	0.1864	0.0398	0.1163	0.0432	4.5909
20 mph	3.9106	0.4700	1.9607	1.3413	0.3236	0.0710	0.2135	0.0787	8.3694
25 mph	17.9099	2.1358	8.9508	6.1227	1.4134	0.3173	1.0607	0.3950	38.3057
30 mph	18.0959	2.1478	9.0197	6.1755	1.3913	0.3153	0.8709	0.3291	38.3454
35 mph	13.6442	1.6171	6.7851	4.6545	1.0467	0.2363	0.3574	0.1365	28.4779
40 mph	4.2170	0.5000	2.0967	1.4392	0.3291	0.0735	0.3697	0.1408	9.1661
45 mph	3.2778	0.3890	1.6297	1.1193	0.2637	0.0577	0.2735	0.1049	7.1156
50 mph	3.0563	0.3652	1.5200	1.0465	0.2591	0.0548	0.4165	0.1595	6.8779
55 mph	2.2753	0.2740	1.1341	0.7826	0.2112	0.0426	0.0914	0.0346	4.8459
60 mph	4.1742	0.5078	2.0859	1.4443	0.4401	0.0840	0.0868	0.0327	8.8556
65 mph	0.4826	0.0596	0.2419	0.1682	0.0609	0.0108	-	-	1.0239
70 mph	-	-	-	-	-	-	-	-	-
total	79.0395	9.4455	39.4568	27.0602	6.4904	1.4166	4.2410	1.5986	168.7486

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.4846	0.0596	0.2446	0.3507	0.1211	0.0244	-	-	1.2850
15 mph	0.4418	0.0535	0.2221	0.3176	0.0999	0.0213	-	-	1.1563
20 mph	0.4043	0.0486	0.2027	0.2896	0.0867	0.0190	0.3849	0.1418	1.5777
25 mph	0.7406	0.0883	0.3701	0.5288	0.1515	0.0340	0.6084	0.2266	2.7484
30 mph	1.3606	0.1615	0.6782	0.9697	0.2712	0.0615	0.9420	0.3560	4.8006
35 mph	2.8211	0.3344	1.4029	2.0099	0.5611	0.1267	0.8590	0.3280	8.4432
40 mph	2.9064	0.3446	1.4451	2.0716	0.5881	0.1314	0.7331	0.2793	8.4996
45 mph	2.1687	0.2574	1.0783	1.5467	0.4523	0.0990	0.4931	0.1892	6.2846
50 mph	2.2750	0.2718	1.1314	1.6269	0.5001	0.1057	0.2310	0.0885	6.2304
55 mph	1.1761	0.1417	0.5862	0.8449	0.2830	0.0571	0.1098	0.0416	3.2405
60 mph	0.6473	0.0787	0.3235	0.4677	0.1769	0.0338	7.2993	2.7514	11.7787
65 mph	0.1996	0.0246	0.1000	0.1453	0.0653	0.0116	-	-	0.5464
70 mph	8.8972	1.1731	4.4437	6.5596	3.0291	0.4585	-	-	24.5612
total	24.5234	3.0378	12.2288	17.7291	6.3866	1.1838	11.6607	4.4024	81.1526

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	14.6340	4.3549	16.6604	0.1260	35.7753
15 mph	6.6871	0.8103	3.3613	1.0684	0.2916	0.0622	0.1920	0.0713	12.5442
25 mph	-	-	-	-	0.4198	0.0942	0.6968	0.2595	1.4702
35 mph	20.4140	2.4194	10.1517	2.9702	-	-	-	-	35.9553
total	27.1011	3.2298	13.5130	4.0386	15.3454	4.5113	17.5492	0.4568	85.7451

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	14.6340	4.3549	16.6604	0.1260	35.7753
10 mph	6.3434	0.7800	3.2027	2.3813	0.6859	0.1380	0.3844	0.1435	14.0593
15 mph	9.2656	1.1228	4.6574	2.1215	0.5779	0.1233	0.3083	0.1145	18.2914
20 mph	4.3149	0.5186	2.1634	1.6309	0.4104	0.0900	0.5984	0.2205	9.9471
25 mph	18.6505	2.2241	9.3210	6.6515	1.9847	0.4456	2.3659	0.8810	42.5244
30 mph	19.4565	2.3092	9.6979	7.1452	1.6626	0.3767	1.8129	0.6851	43.1460
35 mph	36.8794	4.3709	18.3398	9.6346	1.6079	0.3630	1.2164	0.4645	72.8764
40 mph	7.1235	0.8447	3.5417	3.5108	0.9172	0.2049	1.1028	0.4201	17.6656
45 mph	5.4465	0.6464	2.7080	2.6659	0.7160	0.1567	0.7666	0.2941	13.4002
50 mph	5.3313	0.6370	2.6514	2.6735	0.7593	0.1604	0.6475	0.2480	13.1084
55 mph	3.4515	0.4157	1.7204	1.6274	0.4942	0.0997	0.2012	0.0763	8.0863
60 mph	4.8214	0.5865	2.4094	1.9120	0.6170	0.1177	7.3861	2.7841	20.6343
65 mph	0.6822	0.0842	0.3419	0.3134	0.1263	0.0223	-	-	1.5703
70 mph	8.8972	1.1731	4.4437	6.5596	3.0291	0.4585	-	-	24.5612
total	130.6640	15.7131	65.1986	48.8278	28.2224	7.1117	33.4509	6.4578	335.6464

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1690	0.0003	0.0444	0.1198	1.5986	1.1043	1.0542	5.2624	9.3529
15 mph	0.0332	0.0001	0.0087	0.0234	0.3249	0.2238	0.1908	0.9674	1.7722
20 mph	0.0264	0.0001	0.0068	0.0184	0.2897	0.1978	0.2551	1.1990	1.9933
25 mph	0.0804	0.0003	0.0205	0.0557	0.9496	0.6450	1.0730	5.2796	8.1041
30 mph	0.0674	0.0003	0.0170	0.0467	0.8355	0.5647	0.7492	3.6908	5.9715
35 mph	0.0443	0.0002	0.0111	0.0307	0.5850	0.3921	0.2546	1.2467	2.5646
40 mph	0.0123	0.0001	0.0031	0.0085	0.1742	0.1159	0.2124	1.0458	1.5723
45 mph	0.0088	0.0001	0.0022	0.0060	0.1347	0.0891	0.1306	0.6456	1.0171
50 mph	0.0078	0.0001	0.0019	0.0053	0.1320	0.0867	0.1763	0.8704	1.2804
55 mph	0.0057	0.0000	0.0013	0.0038	0.1061	0.0694	0.0388	0.1938	0.4189
60 mph	0.0111	0.0001	0.0026	0.0072	0.2293	0.1489	0.0432	0.2146	0.6570
65 mph	0.0014	0.0000	0.0003	0.0009	0.0355	0.0228	-	-	0.0609
70 mph	-	-	-	-	-	-	-	-	-
total	0.4678	0.0015	0.1198	0.3263	5.3951	3.6604	4.1781	20.6163	34.7653

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0140	0.0000	0.0037	0.0207	0.3428	0.2368	-	-	0.6180
15 mph	0.0069	0.0000	0.0018	0.0101	0.1742	0.1200	-	-	0.3129
20 mph	0.0027	0.0000	0.0007	0.0040	0.0777	0.0530	0.4599	2.1615	2.7595
25 mph	0.0033	0.0000	0.0008	0.0048	0.1018	0.0692	0.6155	3.0284	3.8238
30 mph	0.0051	0.0000	0.0013	0.0073	0.1629	0.1101	0.8104	3.9921	5.0891
35 mph	0.0092	0.0000	0.0023	0.0132	0.3136	0.2102	0.6119	2.9967	4.1571
40 mph	0.0085	0.0000	0.0021	0.0122	0.3113	0.2071	0.4212	2.0739	3.0364
45 mph	0.0058	0.0000	0.0014	0.0083	0.2311	0.1528	0.2354	1.1639	1.7990
50 mph	0.0058	0.0000	0.0014	0.0082	0.2548	0.1672	0.0978	0.4828	1.0181
55 mph	0.0029	0.0000	0.0007	0.0041	0.1422	0.0930	0.0466	0.2329	0.5224
60 mph	0.0017	0.0000	0.0004	0.0023	0.0922	0.0599	3.6383	18.0548	21.8496
65 mph	0.0006	0.0000	0.0001	0.0008	0.0380	0.0244	-	-	0.0640
70 mph	0.0284	0.0004	0.0063	0.0400	3.1424	1.8665	-	-	5.0840
total	0.0949	0.0007	0.0231	0.1361	5.3850	3.3702	6.9369	34.1871	50.1339

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.2781	1.5522	5.0122	15.6340	24.4766
15 mph	0.1039	0.0002	0.0272	0.0340	0.5081	0.3500	0.3150	1.5974	2.9357
25 mph	-	-	-	-	0.2820	0.1916	0.7048	3.4680	4.6464
35 mph	0.0663	0.0003	0.0166	0.0196	-	-	-	-	0.1028
total	0.1702	0.0005	0.0438	0.0536	3.0683	2.0937	6.0320	20.6994	32.1614

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.2781	1.5522	5.0122	15.6340	24.4766
10 mph	0.1829	0.0003	0.0480	0.1405	1.9414	1.3411	1.0542	5.2624	9.9709
15 mph	0.1440	0.0003	0.0376	0.0675	1.0072	0.6937	0.5057	2.5648	5.0208
20 mph	0.0291	0.0001	0.0075	0.0223	0.3674	0.2509	0.7150	3.3605	4.7528
25 mph	0.0838	0.0003	0.0213	0.0605	1.3335	0.9057	2.3932	11.7761	16.5744
30 mph	0.0725	0.0003	0.0183	0.0540	0.9984	0.6748	1.5596	7.6829	11.0607
35 mph	0.1197	0.0005	0.0300	0.0635	0.8986	0.6023	0.8664	4.2434	6.8245
40 mph	0.0208	0.0001	0.0052	0.0207	0.4855	0.3230	0.6336	3.1198	4.6086
45 mph	0.0147	0.0001	0.0036	0.0144	0.3659	0.2419	0.3660	1.8095	2.8161
50 mph	0.0136	0.0001	0.0033	0.0135	0.3868	0.2539	0.2741	1.3532	2.2984
55 mph	0.0086	0.0001	0.0020	0.0079	0.2483	0.1623	0.0854	0.4268	0.9413
60 mph	0.0128	0.0001	0.0029	0.0096	0.3214	0.2088	3.6815	18.2694	22.5066
65 mph	0.0020	0.0000	0.0005	0.0017	0.0735	0.0472	-	-	0.1249
70 mph	0.0284	0.0004	0.0063	0.0400	3.1424	1.8665	-	-	5.0840
total	0.7329	0.0027	0.1866	0.5160	13.8484	9.1243	17.1469	75.5028	117.0606

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT)

Surface Street Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								8.7069	8.7069
15 mph								2.0435	2.0435
20 mph								2.9560	2.9560
25 mph								11.9170	11.9170
30 mph								7.9868	7.9868
35 mph								2.6500	2.6500
40 mph								2.1715	2.1715
45 mph								1.2816	1.2816
50 mph								1.5373	1.5373
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	41.2507	41.2507

Freeway Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								5.3289	5.3289
25 mph								6.8356	6.8356
30 mph								8.6390	8.6390
35 mph								6.3698	6.3698
40 mph								4.3062	4.3062
45 mph								2.3105	2.3105
50 mph								0.8527	0.8527
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	27.1733	27.1733

Internal Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.9327	0.9327
15 mph								3.3742	3.3742
25 mph								7.8278	7.8278
35 mph								-	-
total	-	-	-	-	-	-	-	12.1347	12.1347

Total Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.9327	0.9327
10 mph								8.7069	8.7069
15 mph								5.4177	5.4177
20 mph								8.2849	8.2849
25 mph								26.5805	26.5805
30 mph								16.6258	16.6258
35 mph								9.0198	9.0198
40 mph								6.4778	6.4778
45 mph								3.5921	3.5921
50 mph								2.3900	2.3900
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	88.0282	88.0282

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	16.9121	5.9071	21.6727	16.6927	61.1846
10 mph	6.5264	0.7803	3.2508	2.5217	2.6273	1.4792	1.4386	14.1129	32.7370
15 mph	9.4096	1.1231	4.6951	2.1890	1.5852	0.8169	0.8140	8.0970	28.7300
20 mph	4.3440	0.5186	2.1709	1.6533	0.7778	0.3409	1.3134	11.8659	22.9849
25 mph	18.7342	2.2245	9.3423	6.7121	3.3182	1.3513	4.7591	39.2375	85.6792
30 mph	19.5290	2.3095	9.7162	7.1992	2.6609	1.0515	3.3725	24.9938	70.8325
35 mph	36.9991	4.3714	18.3698	9.6981	2.5064	0.9653	2.0828	13.7278	88.7208
40 mph	7.1443	0.8448	3.5469	3.5315	1.4027	0.5279	1.7364	10.0176	28.7521
45 mph	5.4612	0.6464	2.7116	2.6803	1.0819	0.3986	1.1326	5.6958	19.8084
50 mph	5.3450	0.6371	2.6547	2.6870	1.1460	0.4143	0.9216	3.9912	17.7968
55 mph	3.4600	0.4158	1.7224	1.6353	0.7426	0.2620	0.2866	0.5031	9.0277
60 mph	4.8342	0.5867	2.4123	1.9216	0.9385	0.3265	11.0676	21.0536	43.1409
65 mph	0.6842	0.0842	0.3423	0.3152	0.1998	0.0695	-	-	1.6952
70 mph	8.9256	1.1735	4.4499	6.5996	6.1715	2.3250	-	-	29.6452
STREX	8.8750	0.7127	4.2351	10.0686	2.0977	0.6059	2.2882	0.0253	28.9087
total	140.2719	16.4285	69.6203	59.4124	44.1686	16.8420	52.8861	170.0141	**569.6439**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.7634	1.8617	2.2419	2.4457	1.5246	1.4819	3.4655	5.1077
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	8.8750	0.7127	4.2351	10.0686	2.0977	0.6059	2.2882	0.0253
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	8.8750	0.7127	4.2351	10.0686	2.0977	0.6059	2.2882	0.0253

World Logistics Center
Mobile Emissions - 2029 (Net) - Unmitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0528	0.0528	0.1334	0.2078
10 mph	0.0043	0.0051	0.0052	0.0064	0.0139	0.0160	0.0286	0.0338
15 mph	0.0035	0.0041	0.0043	0.0052	0.0113	0.0130	0.0234	0.0277
20 mph	0.0029	0.0035	0.0035	0.0044	0.0094	0.0108	0.0194	0.0231
25 mph	0.0025	0.0030	0.0030	0.0037	0.0081	0.0093	0.0166	0.0198
30 mph	0.0022	0.0026	0.0027	0.0033	0.0071	0.0082	0.0148	0.0176
35 mph	0.0021	0.0024	0.0025	0.0031	0.0066	0.0076	0.0137	0.0163
40 mph	0.0020	0.0024	0.0024	0.0030	0.0064	0.0074	0.0133	0.0157
45 mph	0.0020	0.0024	0.0024	0.0030	0.0064	0.0074	0.0133	0.0157
50 mph	0.0021	0.0024	0.0025	0.0031	0.0066	0.0076	0.0137	0.0162
55 mph	0.0022	0.0025	0.0026	0.0032	0.0069	0.0079	0.0142	0.0168
60 mph	0.0022	0.0026	0.0027	0.0033	0.0072	0.0083	0.0148	0.0174
65 mph	0.0023	0.0027	0.0028	0.0034	0.0074	0.0085		
70 mph	0.0023	0.0027	0.0028	0.0035	0.0075	0.0086		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0330	0.0533	0.0552	0.0499
10 mph	0.0035	0.0075	0.0047	0.0058	0.0086	0.0096	0.0167	0.0266
15 mph	0.0029	0.0062	0.0039	0.0049	0.0056	0.0064	0.0131	0.0197
20 mph	0.0023	0.0051	0.0032	0.0041	0.0048	0.0054	0.0112	0.0165
25 mph	0.0020	0.0043	0.0027	0.0035	0.0042	0.0048	0.0098	0.0140
30 mph	0.0017	0.0037	0.0023	0.0030	0.0038	0.0044	0.0086	0.0122
35 mph	0.0015	0.0033	0.0021	0.0027	0.0038	0.0044	0.0077	0.0111
40 mph	0.0014	0.0031	0.0019	0.0026	0.0037	0.0042	0.0070	0.0102
45 mph	0.0014	0.0030	0.0019	0.0025	0.0036	0.0041	0.0067	0.0096
50 mph	0.0014	0.0030	0.0019	0.0025	0.0038	0.0042	0.0066	0.0093
55 mph	0.0015	0.0031	0.0020	0.0026	0.0040	0.0044	0.0068	0.0097
60 mph	0.0016	0.0033	0.0021	0.0028	0.0040	0.0044	0.0072	0.0103
65 mph	0.0018	0.0037	0.0024	0.0032	0.0041	0.0044		
70 mph	0.0019	0.0039	0.0026	0.0035	0.0042	0.0045		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0308	0.0027	0.0139	0.0109	0.0105	0.0036	0.0109	0.0001	0.0835
15 mph	0.0101	0.0009	0.0045	0.0035	0.0034	0.0012	0.0030	0.0000	0.0267
20 mph	0.0168	0.0015	0.0076	0.0059	0.0057	0.0020	0.0049	0.0000	0.0444
25 mph	0.0716	0.0064	0.0323	0.0253	0.0245	0.0084	0.0233	0.0002	0.1919
30 mph	0.0699	0.0062	0.0316	0.0247	0.0239	0.0082	0.0188	0.0002	0.1835
35 mph	0.0531	0.0047	0.0240	0.0188	0.0181	0.0062	0.0078	0.0001	0.1328
40 mph	0.0171	0.0015	0.0077	0.0061	0.0059	0.0020	0.0084	0.0001	0.0488
45 mph	0.0144	0.0013	0.0065	0.0051	0.0049	0.0017	0.0068	0.0001	0.0406
50 mph	0.0148	0.0013	0.0067	0.0052	0.0050	0.0017	0.0113	0.0001	0.0462
55 mph	0.0123	0.0011	0.0055	0.0044	0.0042	0.0014	0.0027	0.0000	0.0317
60 mph	0.0253	0.0023	0.0115	0.0090	0.0087	0.0030	0.0028	0.0000	0.0626
65 mph	0.0032	0.0003	0.0015	0.0012	0.0011	0.0004	-	-	0.0077
70 mph	-	-	-	-	-	-	-	-	-
total	0.3395	0.0302	0.1533	0.1200	0.1160	0.0397	0.1008	0.0009	0.9003

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0025	0.0002	0.0012	0.0019	0.0023	0.0008	-	-	0.0088
15 mph	0.0021	0.0002	0.0009	0.0015	0.0018	0.0006	-	-	0.0072
20 mph	0.0017	0.0002	0.0008	0.0013	0.0015	0.0005	0.0089	0.0001	0.0150
25 mph	0.0030	0.0003	0.0013	0.0022	0.0026	0.0009	0.0133	0.0001	0.0237
30 mph	0.0053	0.0005	0.0024	0.0039	0.0047	0.0016	0.0203	0.0002	0.0387
35 mph	0.0110	0.0010	0.0050	0.0081	0.0097	0.0033	0.0188	0.0002	0.0571
40 mph	0.0118	0.0011	0.0053	0.0087	0.0105	0.0036	0.0167	0.0001	0.0578
45 mph	0.0095	0.0008	0.0043	0.0070	0.0084	0.0029	0.0122	0.0001	0.0452
50 mph	0.0110	0.0010	0.0050	0.0081	0.0097	0.0033	0.0063	0.0001	0.0445
55 mph	0.0064	0.0006	0.0029	0.0047	0.0056	0.0019	0.0033	0.0000	0.0253
60 mph	0.0039	0.0003	0.0018	0.0029	0.0035	0.0012	0.2376	0.0021	0.2534
65 mph	0.0013	0.0001	0.0006	0.0010	0.0012	0.0004	-	-	0.0047
70 mph	0.0625	0.0056	0.0282	0.0470	0.0563	0.0192	-	-	0.2187
total	0.1320	0.0118	0.0596	0.0984	0.1178	0.0402	0.3375	0.0030	0.8003

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0050	0.0015	0.0057	0.0001	0.0123
15 mph	0.0315	0.0028	0.0142	0.0052	0.0054	0.0018	0.0049	0.0000	0.0659
25 mph	-	-	-	-	0.0073	0.0025	0.0153	0.0001	0.0252
35 mph	0.0794	0.0071	0.0359	0.0120	-	-	-	-	0.1343
total	0.1109	0.0099	0.0501	0.0171	0.0176	0.0058	0.0259	0.0003	0.2377

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0050	0.0015	0.0057	0.0001	0.0123
10 mph	0.0334	0.0030	0.0151	0.0127	0.0128	0.0044	0.0109	0.0001	0.0923
15 mph	0.0437	0.0039	0.0197	0.0102	0.0107	0.0036	0.0079	0.0001	0.0998
20 mph	0.0185	0.0016	0.0083	0.0072	0.0073	0.0025	0.0138	0.0001	0.0594
25 mph	0.0746	0.0066	0.0337	0.0275	0.0344	0.0118	0.0519	0.0005	0.2408
30 mph	0.0752	0.0067	0.0340	0.0286	0.0286	0.0098	0.0391	0.0003	0.2222
35 mph	0.1435	0.0128	0.0648	0.0389	0.0279	0.0095	0.0267	0.0002	0.3242
40 mph	0.0290	0.0026	0.0131	0.0148	0.0163	0.0056	0.0251	0.0002	0.1067
45 mph	0.0239	0.0021	0.0108	0.0121	0.0133	0.0045	0.0190	0.0002	0.0858
50 mph	0.0258	0.0023	0.0116	0.0134	0.0148	0.0050	0.0176	0.0002	0.0907
55 mph	0.0186	0.0017	0.0084	0.0091	0.0098	0.0034	0.0060	0.0001	0.0570
60 mph	0.0292	0.0026	0.0132	0.0119	0.0122	0.0042	0.2405	0.0021	0.3160
65 mph	0.0046	0.0004	0.0021	0.0022	0.0023	0.0008	-	-	0.0124
70 mph	0.0625	0.0056	0.0282	0.0470	0.0563	0.0192	-	-	0.2187
total	0.5824	0.0519	0.2630	0.2355	0.2515	0.0857	0.4642	0.0042	1.9383

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0003	0.0000	0.0001	0.0003	0.0059	0.0045	0.0361	0.1061	0.1533
15 mph	0.0001	0.0000	0.0000	0.0001	0.0015	0.0012	0.0095	0.0262	0.0386
20 mph	0.0001	0.0000	0.0001	0.0002	0.0026	0.0021	0.0162	0.0438	0.0651
25 mph	0.0006	0.0000	0.0003	0.0007	0.0117	0.0092	0.0776	0.2042	0.3043
30 mph	0.0006	0.0000	0.0002	0.0007	0.0117	0.0091	0.0619	0.1628	0.2470
35 mph	0.0004	0.0000	0.0002	0.0005	0.0096	0.0075	0.0249	0.0666	0.1097
40 mph	0.0001	0.0000	0.0001	0.0002	0.0031	0.0024	0.0254	0.0676	0.0988
45 mph	0.0001	0.0000	0.0000	0.0001	0.0025	0.0019	0.0192	0.0512	0.0751
50 mph	0.0001	0.0000	0.0000	0.0001	0.0027	0.0020	0.0308	0.0808	0.1165
55 mph	0.0001	0.0000	0.0000	0.0001	0.0022	0.0016	0.0073	0.0193	0.0307
60 mph	0.0002	0.0000	0.0001	0.0002	0.0045	0.0033	0.0078	0.0205	0.0366
65 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	-	-	0.0011
70 mph	-	-	-	-	-	-	-	-	-
total	0.0028	0.0000	0.0011	0.0032	0.0588	0.0452	0.3167	0.8490	1.2768

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0001	0.0013	0.0010	-	-	0.0023
15 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	-	-	0.0015
20 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0006	0.0291	0.0790	0.1095
25 mph	0.0000	0.0000	0.0000	0.0001	0.0013	0.0010	0.0445	0.1171	0.1640
30 mph	0.0000	0.0000	0.0000	0.0001	0.0023	0.0018	0.0670	0.1761	0.2473
35 mph	0.0001	0.0000	0.0000	0.0002	0.0052	0.0040	0.0599	0.1602	0.2295
40 mph	0.0001	0.0000	0.0000	0.0002	0.0056	0.0043	0.0503	0.1341	0.1946
45 mph	0.0001	0.0000	0.0000	0.0002	0.0044	0.0033	0.0347	0.0922	0.1348
50 mph	0.0001	0.0000	0.0000	0.0002	0.0051	0.0038	0.0171	0.0448	0.0712
55 mph	0.0000	0.0000	0.0000	0.0001	0.0030	0.0022	0.0088	0.0232	0.0374
60 mph	0.0000	0.0000	0.0000	0.0001	0.0018	0.0013	0.6576	1.7211	2.3820
65 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	-	-	0.0011
70 mph	0.0006	0.0000	0.0002	0.0014	0.0287	0.0210	-	-	0.0519
total	0.0011	0.0000	0.0005	0.0027	0.0606	0.0453	0.9690	2.5477	3.6270

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0029	0.0031	0.0135	0.0225	0.0419
15 mph	0.0003	0.0000	0.0001	0.0001	0.0024	0.0019	0.0156	0.0432	0.0637
25 mph	-	-	-	-	0.0035	0.0027	0.0510	0.1341	0.1913
35 mph	0.0006	0.0000	0.0003	0.0003	-	-	-	-	0.0012
total	0.0009	0.0000	0.0004	0.0005	0.0088	0.0077	0.0801	0.1999	0.2982

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0029	0.0031	0.0135	0.0225	0.0419
10 mph	0.0003	0.0000	0.0001	0.0003	0.0072	0.0055	0.0361	0.1061	0.1556
15 mph	0.0004	0.0000	0.0002	0.0003	0.0048	0.0037	0.0251	0.0694	0.1039
20 mph	0.0002	0.0000	0.0001	0.0002	0.0034	0.0026	0.0453	0.1228	0.1745
25 mph	0.0006	0.0000	0.0003	0.0008	0.0165	0.0129	0.1731	0.4555	0.6595
30 mph	0.0006	0.0000	0.0003	0.0008	0.0140	0.0109	0.1289	0.3388	0.4943
35 mph	0.0012	0.0000	0.0005	0.0010	0.0148	0.0115	0.0848	0.2268	0.3405
40 mph	0.0002	0.0000	0.0001	0.0004	0.0087	0.0067	0.0756	0.2017	0.2934
45 mph	0.0002	0.0000	0.0001	0.0003	0.0069	0.0052	0.0539	0.1434	0.2099
50 mph	0.0002	0.0000	0.0001	0.0003	0.0078	0.0058	0.0479	0.1256	0.1877
55 mph	0.0001	0.0000	0.0001	0.0002	0.0052	0.0039	0.0161	0.0425	0.0681
60 mph	0.0002	0.0000	0.0001	0.0003	0.0063	0.0046	0.6655	1.7415	2.4186
65 mph	0.0000	0.0000	0.0000	0.0001	0.0012	0.0009	-	-	0.0022
70 mph	0.0006	0.0000	0.0002	0.0014	0.0287	0.0210	-	-	0.0519
total	0.0049	0.0000	0.0020	0.0064	0.1282	0.0982	1.3658	3.5966	5.2020

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT)

Surface Street Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
15 mph								-	-
25 mph								-	-
35 mph								-	-
total	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0079	0.0046	0.0192	0.0226	0.0543
10 mph	0.0337	0.0030	0.0152	0.0131	0.0200	0.0099	0.0470	0.1062	0.2480
15 mph	0.0441	0.0039	0.0199	0.0105	0.0155	0.0074	0.0330	0.0695	0.2037
20 mph	0.0187	0.0016	0.0084	0.0074	0.0106	0.0051	0.0592	0.1230	0.2339
25 mph	0.0752	0.0066	0.0339	0.0282	0.0508	0.0246	0.2249	0.4559	0.9004
30 mph	0.0758	0.0067	0.0342	0.0294	0.0426	0.0206	0.1680	0.3392	0.7165
35 mph	0.1446	0.0128	0.0653	0.0399	0.0426	0.0210	0.1114	0.2271	0.6647
40 mph	0.0292	0.0026	0.0132	0.0152	0.0250	0.0123	0.1008	0.2019	0.4001
45 mph	0.0240	0.0021	0.0108	0.0124	0.0202	0.0098	0.0729	0.1435	0.2958
50 mph	0.0260	0.0023	0.0117	0.0137	0.0226	0.0109	0.0655	0.1257	0.2784
55 mph	0.0188	0.0017	0.0085	0.0093	0.0150	0.0072	0.0221	0.0425	0.1251
60 mph	0.0295	0.0026	0.0133	0.0122	0.0185	0.0088	0.9059	1.7437	2.7345
65 mph	0.0046	0.0004	0.0021	0.0022	0.0035	0.0017	-	-	0.0145
70 mph	0.0630	0.0056	0.0285	0.0484	0.0850	0.0401	-	-	0.2706
STREX	0.0023	0.0002	0.0011	0.0029	0.0002	0.0001	0.0002	0.0000	0.0071
total	0.5896	0.0521	0.2661	0.2448	0.3799	0.1840	1.8302	3.6008	**7.1474**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0005	0.0005	0.0006	0.0007	0.0002	0.0002	0.0003	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0023	0.0002	0.0011	0.0029	0.0002	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0023	0.0002	0.0011	0.0029	0.0002	0.0001	0.0002	0.0000

World Logistics Center
Mobile Emissions - 2029 (Net) - Unmitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0385	0.0363	0.0353	0.0383
10 mph	0.0045	0.0058	0.0048	0.0049	0.0049	0.0046	0.0045	0.0049
15 mph	0.0030	0.0039	0.0032	0.0033	0.0033	0.0031	0.0030	0.0032
20 mph	0.0021	0.0027	0.0022	0.0023	0.0023	0.0021	0.0021	0.0023
25 mph	0.0016	0.0020	0.0017	0.0017	0.0017	0.0016	0.0015	0.0017
30 mph	0.0012	0.0016	0.0013	0.0013	0.0013	0.0012	0.0012	0.0013
35 mph	0.0010	0.0013	0.0011	0.0011	0.0011	0.0010	0.0010	0.0011
40 mph	0.0009	0.0011	0.0009	0.0009	0.0009	0.0009	0.0009	0.0010
45 mph	0.0008	0.0010	0.0008	0.0009	0.0009	0.0008	0.0008	0.0009
50 mph	0.0008	0.0010	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
55 mph	0.0008	0.0010	0.0008	0.0008	0.0009	0.0008	0.0008	0.0009
60 mph	0.0008	0.0011	0.0009	0.0009	0.0009	0.0009	0.0008	0.0009
65 mph	0.0010	0.0012	0.0010	0.0009	0.0010	0.0010		
70 mph	0.0010	0.0013	0.0011	0.0011	0.0011	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7943	0.8040	0.0196	0.0128
10 mph	0.0081	0.1921	0.0092	0.0060	0.0239	0.0320	0.0048	0.0124
15 mph	0.0066	0.1398	0.0079	0.0050	0.0183	0.0258	0.0037	0.0092
20 mph	0.0053	0.1072	0.0067	0.0041	0.0152	0.0215	0.0031	0.0065
25 mph	0.0043	0.0858	0.0057	0.0035	0.0127	0.0181	0.0029	0.0069
30 mph	0.0037	0.0720	0.0050	0.0031	0.0111	0.0158	0.0031	0.0074
35 mph	0.0032	0.0633	0.0045	0.0028	0.0102	0.0143	0.0037	0.0088
40 mph	0.0029	0.0580	0.0041	0.0025	0.0094	0.0132	0.0047	0.0111
45 mph	0.0028	0.0553	0.0039	0.0024	0.0089	0.0124	0.0060	0.0143
50 mph	0.0027	0.0553	0.0036	0.0023	0.0086	0.0118	0.0078	0.0183
55 mph	0.0026	0.0579	0.0034	0.0022	0.0084	0.0114	0.0099	0.0238
60 mph	0.0027	0.0631	0.0034	0.0022	0.0085	0.0115	0.0123	0.0294
65 mph	0.0028	0.0725	0.0034	0.0023	0.0094	0.0123		
70 mph	0.0029	0.0853	0.0035	0.0025	0.0142	0.0157		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0374
10 mph								0.0067
15 mph								0.0055
20 mph								0.0047
25 mph								0.0043
30 mph								0.0039
35 mph								0.0037
40 mph								0.0036
45 mph								0.0036
50 mph								0.0036
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0323	0.0031	0.0128	0.0083	0.0037	0.0010	0.0017	0.0000	0.0630
15 mph	0.0086	0.0008	0.0034	0.0022	0.0010	0.0003	0.0004	0.0000	0.0167
20 mph	0.0120	0.0012	0.0048	0.0031	0.0014	0.0004	0.0005	0.0000	0.0234
25 mph	0.0444	0.0044	0.0177	0.0114	0.0052	0.0014	0.0022	0.0000	0.0867
30 mph	0.0381	0.0038	0.0152	0.0098	0.0044	0.0012	0.0015	0.0000	0.0740
35 mph	0.0256	0.0025	0.0102	0.0066	0.0030	0.0008	0.0006	0.0000	0.0493
40 mph	0.0074	0.0007	0.0029	0.0019	0.0009	0.0002	0.0005	0.0000	0.0146
45 mph	0.0057	0.0006	0.0022	0.0015	0.0007	0.0002	0.0004	0.0000	0.0111
50 mph	0.0055	0.0005	0.0022	0.0014	0.0006	0.0002	0.0006	0.0000	0.0110
55 mph	0.0044	0.0004	0.0018	0.0011	0.0005	0.0001	0.0001	0.0000	0.0086
60 mph	0.0095	0.0009	0.0038	0.0024	0.0011	0.0003	0.0002	0.0000	0.0183
65 mph	0.0014	0.0001	0.0005	0.0003	0.0002	0.0000	-	-	0.0025
70 mph	-	-	-	-	-	-	-	-	-
total	0.1949	0.0192	0.0775	0.0501	0.0226	0.0063	0.0088	0.0001	0.3794

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0027	0.0003	0.0011	0.0014	0.0008	0.0002	-	-	0.0064
15 mph	0.0018	0.0002	0.0007	0.0010	0.0005	0.0001	-	-	0.0043
20 mph	0.0012	0.0001	0.0005	0.0007	0.0004	0.0001	0.0010	0.0000	0.0040
25 mph	0.0018	0.0002	0.0007	0.0010	0.0006	0.0002	0.0012	0.0000	0.0057
30 mph	0.0029	0.0003	0.0011	0.0015	0.0009	0.0002	0.0017	0.0000	0.0086
35 mph	0.0053	0.0005	0.0021	0.0028	0.0016	0.0004	0.0014	0.0000	0.0142
40 mph	0.0051	0.0005	0.0020	0.0027	0.0015	0.0004	0.0011	0.0000	0.0134
45 mph	0.0037	0.0004	0.0015	0.0020	0.0011	0.0003	0.0007	0.0000	0.0098
50 mph	0.0041	0.0004	0.0016	0.0022	0.0012	0.0003	0.0003	0.0000	0.0102
55 mph	0.0023	0.0002	0.0009	0.0012	0.0007	0.0002	0.0002	0.0000	0.0057
60 mph	0.0015	0.0001	0.0006	0.0008	0.0004	0.0001	0.0133	0.0001	0.0170
65 mph	0.0006	0.0001	0.0002	0.0003	0.0002	0.0000	-	-	0.0013
70 mph	0.0281	0.0027	0.0109	0.0147	0.0084	0.0023	-	-	0.0673
total	0.0611	0.0060	0.0240	0.0324	0.0184	0.0050	0.0209	0.0002	0.1678

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0036	0.0010	0.0015	0.0000	0.0062
15 mph	0.0268	0.0026	0.0107	0.0032	0.0015	0.0004	0.0006	0.0000	0.0460
25 mph	-	-	-	-	0.0015	0.0004	0.0014	0.0000	0.0034
35 mph	0.0384	0.0038	0.0152	0.0042	-	-	-	-	0.0616
total	0.0652	0.0064	0.0259	0.0074	0.0067	0.0019	0.0036	0.0000	0.1172

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0036	0.0010	0.0015	0.0000	0.0062
10 mph	0.0350	0.0034	0.0139	0.0097	0.0045	0.0013	0.0017	0.0000	0.0694
15 mph	0.0372	0.0036	0.0148	0.0064	0.0031	0.0009	0.0010	0.0000	0.0669
20 mph	0.0133	0.0013	0.0053	0.0038	0.0018	0.0005	0.0015	0.0000	0.0274
25 mph	0.0463	0.0046	0.0184	0.0124	0.0072	0.0020	0.0048	0.0000	0.0958
30 mph	0.0410	0.0041	0.0163	0.0113	0.0053	0.0015	0.0032	0.0000	0.0826
35 mph	0.0693	0.0069	0.0275	0.0136	0.0046	0.0013	0.0019	0.0000	0.1251
40 mph	0.0125	0.0012	0.0050	0.0046	0.0024	0.0007	0.0016	0.0000	0.0281
45 mph	0.0094	0.0009	0.0037	0.0035	0.0018	0.0005	0.0011	0.0000	0.0209
50 mph	0.0095	0.0009	0.0038	0.0036	0.0019	0.0005	0.0010	0.0000	0.0212
55 mph	0.0067	0.0007	0.0027	0.0024	0.0012	0.0003	0.0003	0.0000	0.0143
60 mph	0.0110	0.0011	0.0044	0.0032	0.0016	0.0004	0.0135	0.0001	0.0353
65 mph	0.0019	0.0002	0.0008	0.0006	0.0003	0.0001	-	-	0.0038
70 mph	0.0281	0.0027	0.0109	0.0147	0.0084	0.0023	-	-	0.0673
total	0.3212	0.0316	0.1274	0.0898	0.0477	0.0132	0.0332	0.0003	0.6644

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0002	0.0003	0.0166	0.0152	0.0103	0.0493	0.0925
15 mph	0.0002	0.0000	0.0001	0.0001	0.0051	0.0049	0.0027	0.0123	0.0253
20 mph	0.0003	0.0000	0.0001	0.0002	0.0085	0.0081	0.0045	0.0173	0.0390
25 mph	0.0013	0.0000	0.0005	0.0007	0.0353	0.0342	0.0231	0.1013	0.1965
30 mph	0.0013	0.0000	0.0005	0.0007	0.0341	0.0330	0.0225	0.0984	0.1905
35 mph	0.0009	0.0000	0.0004	0.0005	0.0255	0.0245	0.0120	0.0526	0.1163
40 mph	0.0003	0.0000	0.0001	0.0002	0.0079	0.0075	0.0168	0.0738	0.1065
45 mph	0.0002	0.0000	0.0001	0.0001	0.0062	0.0059	0.0173	0.0762	0.1060
50 mph	0.0002	0.0000	0.0001	0.0001	0.0060	0.0056	0.0363	0.1581	0.2064
55 mph	0.0002	0.0000	0.0001	0.0001	0.0047	0.0043	0.0107	0.0476	0.0676
60 mph	0.0003	0.0000	0.0001	0.0002	0.0094	0.0087	0.0133	0.0586	0.0907
65 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0012	-	-	0.0026
70 mph	-	-	-	-	-	-	-	-	-
total	0.0059	0.0002	0.0024	0.0032	0.1604	0.1531	0.1695	0.7454	1.2400

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0001	0.0036	0.0033	-	-	0.0069
15 mph	0.0000	0.0000	0.0000	0.0000	0.0027	0.0026	-	-	0.0055
20 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0022	0.0080	0.0312	0.0438
25 mph	0.0001	0.0000	0.0000	0.0001	0.0038	0.0037	0.0132	0.0581	0.0789
30 mph	0.0001	0.0000	0.0000	0.0001	0.0066	0.0064	0.0243	0.1064	0.1441
35 mph	0.0002	0.0000	0.0001	0.0002	0.0136	0.0131	0.0289	0.1264	0.1826
40 mph	0.0002	0.0000	0.0001	0.0002	0.0141	0.0134	0.0334	0.1463	0.2076
45 mph	0.0001	0.0000	0.0001	0.0002	0.0106	0.0101	0.0313	0.1373	0.1896
50 mph	0.0002	0.0000	0.0001	0.0002	0.0115	0.0108	0.0201	0.0877	0.1306
55 mph	0.0001	0.0000	0.0000	0.0001	0.0062	0.0058	0.0128	0.0572	0.0823
60 mph	0.0001	0.0000	0.0000	0.0001	0.0038	0.0035	1.1220	4.9302	6.0596
65 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0012	-	-	0.0027
70 mph	0.0009	0.0000	0.0003	0.0010	0.0972	0.0733	-	-	0.1727
total	0.0020	0.0001	0.0008	0.0023	0.1775	0.1495	1.2941	5.6809	7.3070

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0688	0.0475	0.0048	0.0058	0.1268
15 mph	0.0006	0.0000	0.0002	0.0001	0.0080	0.0076	0.0044	0.0203	0.0413
25 mph	-	-	-	-	0.0105	0.0102	0.0152	0.0665	0.1023
35 mph	0.0013	0.0000	0.0006	0.0003	-	-	-	-	0.0023
total	0.0020	0.0001	0.0008	0.0005	0.0873	0.0653	0.0243	0.0926	0.2727

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0688	0.0475	0.0048	0.0058	0.1268
10 mph	0.0007	0.0000	0.0002	0.0004	0.0201	0.0184	0.0103	0.0493	0.0995
15 mph	0.0009	0.0000	0.0003	0.0003	0.0158	0.0151	0.0071	0.0325	0.0721
20 mph	0.0004	0.0000	0.0001	0.0002	0.0107	0.0103	0.0125	0.0486	0.0828
25 mph	0.0014	0.0000	0.0006	0.0008	0.0496	0.0480	0.0515	0.2259	0.3777
30 mph	0.0014	0.0000	0.0006	0.0008	0.0407	0.0395	0.0468	0.2049	0.3346
35 mph	0.0024	0.0001	0.0010	0.0010	0.0391	0.0376	0.0409	0.1790	0.3012
40 mph	0.0005	0.0000	0.0002	0.0004	0.0219	0.0209	0.0503	0.2200	0.3142
45 mph	0.0004	0.0000	0.0002	0.0003	0.0168	0.0159	0.0486	0.2135	0.2956
50 mph	0.0004	0.0000	0.0001	0.0003	0.0175	0.0164	0.0565	0.2458	0.3370
55 mph	0.0002	0.0000	0.0001	0.0002	0.0109	0.0101	0.0235	0.1048	0.1498
60 mph	0.0004	0.0000	0.0001	0.0002	0.0132	0.0122	1.1353	4.9888	6.1503
65 mph	0.0001	0.0000	0.0000	0.0000	0.0027	0.0024	-	-	0.0052
70 mph	0.0009	0.0000	0.0003	0.0010	0.0972	0.0733	-	-	0.1727
total	0.0098	0.0003	0.0039	0.0059	0.4251	0.3678	1.4880	6.5188	8.8197

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT)

Surface Street Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0016	0.0016
15 mph								0.0005	0.0005
20 mph								0.0008	0.0008
25 mph								0.0039	0.0039
30 mph								0.0033	0.0033
35 mph								0.0014	0.0014
40 mph								0.0015	0.0015
45 mph								0.0012	0.0012
50 mph								0.0019	0.0019
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0159	0.0159

Freeway Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0014	0.0014
25 mph								0.0022	0.0022
30 mph								0.0035	0.0035
35 mph								0.0033	0.0033
40 mph								0.0029	0.0029
45 mph								0.0021	0.0021
50 mph								0.0011	0.0011
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0105	0.0105

Internal Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0008	0.0008
25 mph								0.0025	0.0025
35 mph								-	-
total	-	-	-	-	-	-	-	0.0043	0.0043

Total Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0016	0.0016
15 mph								0.0012	0.0012
20 mph								0.0022	0.0022
25 mph								0.0086	0.0086
30 mph								0.0068	0.0068
35 mph								0.0047	0.0047
40 mph								0.0044	0.0044
45 mph								0.0033	0.0033
50 mph								0.0030	0.0030
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0369	0.0369

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0725	0.0485	0.0063	0.0068	0.1340
10 mph	0.0356	0.0034	0.0141	0.0101	0.0247	0.0197	0.0120	0.0510	0.1706
15 mph	0.0381	0.0037	0.0151	0.0067	0.0189	0.0160	0.0081	0.0337	0.1402
20 mph	0.0136	0.0013	0.0054	0.0040	0.0125	0.0108	0.0140	0.0508	0.1124
25 mph	0.0477	0.0046	0.0190	0.0132	0.0568	0.0500	0.0563	0.2346	0.4822
30 mph	0.0423	0.0041	0.0169	0.0121	0.0460	0.0409	0.0500	0.2117	0.4240
35 mph	0.0717	0.0069	0.0286	0.0147	0.0437	0.0388	0.0428	0.1838	0.4310
40 mph	0.0130	0.0013	0.0052	0.0050	0.0243	0.0216	0.0519	0.2245	0.3467
45 mph	0.0097	0.0009	0.0039	0.0037	0.0186	0.0164	0.0497	0.2168	0.3198
50 mph	0.0099	0.0010	0.0039	0.0039	0.0194	0.0170	0.0574	0.2488	0.3612
55 mph	0.0070	0.0007	0.0028	0.0026	0.0121	0.0105	0.0238	0.1048	0.1642
60 mph	0.0114	0.0011	0.0045	0.0035	0.0148	0.0126	1.1488	4.9889	6.1856
65 mph	0.0020	0.0002	0.0008	0.0006	0.0030	0.0025	-	-	0.0091
70 mph	0.0290	0.0028	0.0112	0.0158	0.1056	0.0756	-	-	0.2400
STREX	0.0071	0.0007	0.0027	0.0062	0.0005	0.0001	0.0003	0.0000	0.0176
total	0.3381	0.0326	0.1341	0.1020	0.4733	0.3811	1.5214	6.5560	**9.5386**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0014	0.0018	0.0015	0.0015	0.0004	0.0003	0.0004	0.0006
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0071	0.0007	0.0027	0.0062	0.0005	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0071	0.0007	0.0027	0.0062	0.0005	0.0001	0.0003	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	6.3609	0.4838	2.3875	1.5137	1.2826	0.4387	0.9044	0.0039
Diesel	0.0697	0.0001	0.0211	0.0455	1.2297	0.9586	5.1293	6.3984
Electric/NG	0.2741	0.0108	0.0670	0.0439	-	-	-	0.4029
Total	6.7047	0.4947	2.4756	1.6030	2.5124	1.3973	6.0337	6.8051

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.6304	0.2001	0.9873	1.3073	1.3752	0.4703	3.2609	0.0141
Diesel	0.0288	0.0000	0.0087	0.0393	1.3185	1.0278	18.4937	23.0693
Electric/NG	0.1134	0.0045	0.0277	0.0379	-	-	-	1.4526
Total	2.7726	0.2046	1.0237	1.3845	2.6937	1.4981	21.7546	24.5360

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.1112	0.1606	0.7924	0.2178	0.1163	0.0398	0.1606	0.0007
Diesel	0.0231	0.0000	0.0070	0.0065	0.1115	0.0869	0.9106	1.1359
Electric/NG	0.0910	0.0036	0.0222	0.0063	-	-	-	0.0715
Total	2.2253	0.1642	0.8217	0.2307	0.2278	0.1267	1.0712	1.2081

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	11.1025	0.8445	4.1672	3.0388	2.7742	0.9488	4.3259	0.0187	27.2204
Diesel	0.1216	0.0002	0.0369	0.0913	2.6597	2.0733	24.5336	30.6036	60.1200
Electric/NG	0.4785	0.0188	0.1169	0.0882	-	-	-	1.9270	2.6294
Total	11.7025	0.8634	4.3210	3.2182	5.4339	3.0221	28.8595	32.5493	**89.9698**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	74.0174
Internal	70.1903
Total	**144.2077**

World Logistics Center
Mobile Emissions - 2029 (Net) - Unmitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0354	0.0334	0.0325	0.0352
10 mph	0.0042	0.0053	0.0044	0.0045	0.0045	0.0042	0.0041	0.0045
15 mph	0.0028	0.0036	0.0029	0.0030	0.0030	0.0028	0.0027	0.0030
20 mph	0.0019	0.0025	0.0021	0.0021	0.0021	0.0020	0.0019	0.0021
25 mph	0.0014	0.0019	0.0015	0.0016	0.0016	0.0015	0.0014	0.0016
30 mph	0.0011	0.0015	0.0012	0.0012	0.0012	0.0011	0.0011	0.0012
35 mph	0.0009	0.0012	0.0010	0.0010	0.0010	0.0009	0.0009	0.0010
40 mph	0.0008	0.0010	0.0008	0.0009	0.0009	0.0008	0.0008	0.0009
45 mph	0.0007	0.0010	0.0008	0.0008	0.0008	0.0007	0.0007	0.0008
50 mph	0.0007	0.0009	0.0007	0.0008	0.0008	0.0007	0.0007	0.0008
55 mph	0.0007	0.0009	0.0008	0.0008	0.0008	0.0007	0.0007	0.0008
60 mph	0.0008	0.0010	0.0008	0.0008	0.0008	0.0008	0.0008	0.0009
65 mph	0.0009	0.0011	0.0009	0.0009	0.0010	0.0009		
70 mph	0.0010	0.0012	0.0010	0.0010	0.0010	0.0009		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7600	0.7692	0.0187	0.0122
10 mph	0.0077	0.1838	0.0088	0.0058	0.0228	0.0307	0.0046	0.0118
15 mph	0.0063	0.1338	0.0076	0.0048	0.0175	0.0247	0.0036	0.0088
20 mph	0.0051	0.1025	0.0064	0.0040	0.0146	0.0206	0.0030	0.0062
25 mph	0.0041	0.0821	0.0054	0.0033	0.0121	0.0173	0.0028	0.0066
30 mph	0.0035	0.0689	0.0048	0.0029	0.0107	0.0152	0.0030	0.0071
35 mph	0.0031	0.0606	0.0043	0.0027	0.0097	0.0137	0.0035	0.0084
40 mph	0.0028	0.0555	0.0040	0.0024	0.0090	0.0126	0.0045	0.0106
45 mph	0.0026	0.0529	0.0037	0.0023	0.0085	0.0118	0.0058	0.0137
50 mph	0.0025	0.0529	0.0035	0.0022	0.0082	0.0113	0.0074	0.0175
55 mph	0.0025	0.0554	0.0033	0.0021	0.0080	0.0109	0.0094	0.0228
60 mph	0.0026	0.0604	0.0032	0.0021	0.0081	0.0110	0.0118	0.0281
65 mph	0.0027	0.0693	0.0033	0.0022	0.0090	0.0118		
70 mph	0.0027	0.0816	0.0034	0.0024	0.0136	0.0150		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0358
10 mph								0.0064
15 mph								0.0053
20 mph								0.0045
25 mph								0.0041
30 mph								0.0038
35 mph								0.0036
40 mph								0.0034
45 mph								0.0034
50 mph								0.0034
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0297	0.0029	0.0118	0.0076	0.0034	0.0010	0.0016	0.0000	0.0579
15 mph	0.0079	0.0008	0.0031	0.0020	0.0009	0.0003	0.0003	0.0000	0.0153
20 mph	0.0111	0.0011	0.0044	0.0029	0.0013	0.0004	0.0005	0.0000	0.0215
25 mph	0.0408	0.0040	0.0163	0.0105	0.0047	0.0013	0.0020	0.0000	0.0797
30 mph	0.0350	0.0035	0.0139	0.0090	0.0041	0.0011	0.0014	0.0000	0.0681
35 mph	0.0236	0.0023	0.0094	0.0061	0.0027	0.0008	0.0005	0.0000	0.0453
40 mph	0.0068	0.0007	0.0027	0.0017	0.0008	0.0002	0.0005	0.0000	0.0135
45 mph	0.0052	0.0005	0.0021	0.0013	0.0006	0.0002	0.0004	0.0000	0.0102
50 mph	0.0050	0.0005	0.0020	0.0013	0.0006	0.0002	0.0006	0.0000	0.0101
55 mph	0.0041	0.0004	0.0016	0.0010	0.0005	0.0001	0.0001	0.0000	0.0079
60 mph	0.0088	0.0009	0.0035	0.0022	0.0010	0.0003	0.0001	0.0000	0.0168
65 mph	0.0012	0.0001	0.0005	0.0003	0.0001	0.0000	-	-	0.0024
70 mph	-	-	-	-	-	-	-	-	-
total	0.1792	0.0177	0.0713	0.0461	0.0208	0.0058	0.0080	0.0001	0.3488

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0025	0.0002	0.0010	0.0013	0.0007	0.0002	-	-	0.0059
15 mph	0.0016	0.0002	0.0006	0.0009	0.0005	0.0001	-	-	0.0039
20 mph	0.0011	0.0001	0.0005	0.0006	0.0003	0.0001	0.0009	0.0000	0.0037
25 mph	0.0017	0.0002	0.0007	0.0009	0.0005	0.0001	0.0011	0.0000	0.0052
30 mph	0.0026	0.0003	0.0010	0.0014	0.0008	0.0002	0.0015	0.0000	0.0079
35 mph	0.0049	0.0005	0.0019	0.0026	0.0015	0.0004	0.0012	0.0000	0.0130
40 mph	0.0047	0.0005	0.0019	0.0025	0.0014	0.0004	0.0010	0.0000	0.0124
45 mph	0.0034	0.0003	0.0014	0.0018	0.0010	0.0003	0.0007	0.0000	0.0090
50 mph	0.0037	0.0004	0.0015	0.0020	0.0011	0.0003	0.0003	0.0000	0.0093
55 mph	0.0021	0.0002	0.0008	0.0011	0.0006	0.0002	0.0002	0.0000	0.0053
60 mph	0.0014	0.0001	0.0005	0.0007	0.0004	0.0001	0.0123	0.0001	0.0157
65 mph	0.0005	0.0000	0.0002	0.0003	0.0002	0.0000	-	-	0.0012
70 mph	0.0259	0.0025	0.0100	0.0136	0.0077	0.0021	-	-	0.0618
total	0.0562	0.0055	0.0221	0.0298	0.0169	0.0046	0.0192	0.0002	0.1544

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0034	0.0009	0.0014	0.0000	0.0057
15 mph	0.0247	0.0024	0.0098	0.0029	0.0014	0.0004	0.0006	0.0000	0.0423
25 mph	-	-	-	-	0.0014	0.0004	0.0013	0.0000	0.0031
35 mph	0.0353	0.0035	0.0140	0.0039	-	-	-	-	0.0566
total	0.0599	0.0059	0.0238	0.0068	0.0062	0.0017	0.0033	0.0000	0.1077

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0034	0.0009	0.0014	0.0000	0.0057
10 mph	0.0321	0.0031	0.0128	0.0089	0.0041	0.0012	0.0016	0.0000	0.0639
15 mph	0.0342	0.0034	0.0136	0.0059	0.0028	0.0008	0.0009	0.0000	0.0616
20 mph	0.0122	0.0012	0.0049	0.0035	0.0016	0.0005	0.0014	0.0000	0.0252
25 mph	0.0425	0.0042	0.0169	0.0114	0.0066	0.0018	0.0044	0.0000	0.0881
30 mph	0.0377	0.0037	0.0150	0.0104	0.0049	0.0013	0.0029	0.0000	0.0760
35 mph	0.0637	0.0063	0.0253	0.0125	0.0042	0.0012	0.0018	0.0000	0.1150
40 mph	0.0115	0.0011	0.0046	0.0043	0.0022	0.0006	0.0015	0.0000	0.0258
45 mph	0.0086	0.0009	0.0034	0.0032	0.0016	0.0005	0.0010	0.0000	0.0192
50 mph	0.0088	0.0009	0.0035	0.0033	0.0017	0.0005	0.0009	0.0000	0.0195
55 mph	0.0062	0.0006	0.0025	0.0022	0.0011	0.0003	0.0003	0.0000	0.0132
60 mph	0.0101	0.0010	0.0040	0.0030	0.0014	0.0004	0.0124	0.0001	0.0325
65 mph	0.0018	0.0002	0.0007	0.0006	0.0003	0.0001	-	-	0.0036
70 mph	0.0259	0.0025	0.0100	0.0136	0.0077	0.0021	-	-	0.0618
total	0.2953	0.0291	0.1171	0.0827	0.0438	0.0121	0.0305	0.0003	0.6109

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0002	0.0003	0.0159	0.0145	0.0098	0.0472	0.0885
15 mph	0.0002	0.0000	0.0001	0.0001	0.0049	0.0047	0.0026	0.0117	0.0242
20 mph	0.0003	0.0000	0.0001	0.0002	0.0081	0.0078	0.0043	0.0166	0.0373
25 mph	0.0013	0.0000	0.0005	0.0007	0.0338	0.0327	0.0221	0.0969	0.1880
30 mph	0.0012	0.0000	0.0005	0.0007	0.0326	0.0316	0.0215	0.0942	0.1823
35 mph	0.0009	0.0000	0.0004	0.0005	0.0244	0.0234	0.0115	0.0503	0.1113
40 mph	0.0003	0.0000	0.0001	0.0001	0.0075	0.0072	0.0161	0.0706	0.1019
45 mph	0.0002	0.0000	0.0001	0.0001	0.0059	0.0056	0.0166	0.0729	0.1014
50 mph	0.0002	0.0000	0.0001	0.0001	0.0057	0.0054	0.0347	0.1513	0.1975
55 mph	0.0002	0.0000	0.0001	0.0001	0.0045	0.0041	0.0102	0.0455	0.0646
60 mph	0.0003	0.0000	0.0001	0.0002	0.0090	0.0083	0.0128	0.0561	0.0868
65 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0011	-	-	0.0024
70 mph	-	-	-	-	-	-	-	-	-
total	0.0056	0.0002	0.0023	0.0030	0.1535	0.1465	0.1622	0.7132	1.1864

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0001	0.0034	0.0031	-	-	0.0066
15 mph	0.0000	0.0000	0.0000	0.0000	0.0026	0.0025	-	-	0.0052
20 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0021	0.0077	0.0299	0.0419
25 mph	0.0001	0.0000	0.0000	0.0001	0.0036	0.0035	0.0127	0.0556	0.0755
30 mph	0.0001	0.0000	0.0000	0.0001	0.0064	0.0062	0.0233	0.1018	0.1379
35 mph	0.0002	0.0000	0.0001	0.0002	0.0131	0.0125	0.0276	0.1210	0.1747
40 mph	0.0002	0.0000	0.0001	0.0002	0.0135	0.0128	0.0320	0.1399	0.1987
45 mph	0.0001	0.0000	0.0001	0.0002	0.0101	0.0096	0.0299	0.1314	0.1814
50 mph	0.0001	0.0000	0.0001	0.0002	0.0110	0.0104	0.0193	0.0839	0.1250
55 mph	0.0001	0.0000	0.0000	0.0001	0.0060	0.0056	0.0123	0.0547	0.0787
60 mph	0.0000	0.0000	0.0000	0.0001	0.0036	0.0033	1.0735	4.7169	5.7975
65 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0012	-	-	0.0026
70 mph	0.0008	0.0000	0.0003	0.0010	0.0930	0.0701	-	-	0.1652
total	0.0019	0.0001	0.0007	0.0022	0.1698	0.1430	1.2381	5.4351	6.9909

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0658	0.0454	0.0046	0.0055	0.1213
15 mph	0.0006	0.0000	0.0002	0.0001	0.0076	0.0073	0.0042	0.0194	0.0395
25 mph	-	-	-	-	0.0100	0.0097	0.0145	0.0637	0.0979
35 mph	0.0013	0.0000	0.0005	0.0003	-	-	-	-	0.0022
total	0.0019	0.0001	0.0008	0.0005	0.0835	0.0624	0.0233	0.0885	0.2609

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0658	0.0454	0.0046	0.0055	0.1213
10 mph	0.0006	0.0000	0.0002	0.0003	0.0193	0.0176	0.0098	0.0472	0.0952
15 mph	0.0008	0.0000	0.0003	0.0003	0.0151	0.0145	0.0068	0.0311	0.0690
20 mph	0.0003	0.0000	0.0001	0.0002	0.0103	0.0099	0.0120	0.0465	0.0793
25 mph	0.0013	0.0000	0.0005	0.0007	0.0474	0.0460	0.0492	0.2161	0.3614
30 mph	0.0013	0.0000	0.0005	0.0008	0.0390	0.0378	0.0448	0.1960	0.3201
35 mph	0.0023	0.0001	0.0010	0.0010	0.0374	0.0359	0.0392	0.1713	0.2882
40 mph	0.0004	0.0000	0.0002	0.0004	0.0210	0.0200	0.0481	0.2105	0.3006
45 mph	0.0003	0.0000	0.0001	0.0003	0.0161	0.0152	0.0465	0.2043	0.2829
50 mph	0.0003	0.0000	0.0001	0.0003	0.0168	0.0157	0.0540	0.2351	0.3225
55 mph	0.0002	0.0000	0.0001	0.0002	0.0104	0.0097	0.0225	0.1002	0.1433
60 mph	0.0004	0.0000	0.0001	0.0002	0.0127	0.0117	1.0862	4.7729	5.8843
65 mph	0.0001	0.0000	0.0000	0.0000	0.0026	0.0023	-	-	0.0050
70 mph	0.0008	0.0000	0.0003	0.0010	0.0930	0.0701	-	-	0.1652
total	0.0094	0.0003	0.0038	0.0057	0.4067	0.3519	1.4236	6.2368	8.4382

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT)

Surface Street Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0016	0.0016
15 mph								0.0004	0.0004
20 mph								0.0007	0.0007
25 mph								0.0037	0.0037
30 mph								0.0031	0.0031
35 mph								0.0013	0.0013
40 mph								0.0014	0.0014
45 mph								0.0011	0.0011
50 mph								0.0018	0.0018
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0153	0.0153

Freeway Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0013	0.0013
25 mph								0.0021	0.0021
30 mph								0.0034	0.0034
35 mph								0.0032	0.0032
40 mph								0.0028	0.0028
45 mph								0.0020	0.0020
50 mph								0.0010	0.0010
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0100	0.0100

Internal Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0007	0.0007
25 mph								0.0024	0.0024
35 mph								-	-
total	-	-	-	-	-	-	-	0.0041	0.0041

Total Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0016	0.0016
15 mph								0.0012	0.0012
20 mph								0.0021	0.0021
25 mph								0.0082	0.0082
30 mph								0.0065	0.0065
35 mph								0.0045	0.0045
40 mph								0.0042	0.0042
45 mph								0.0031	0.0031
50 mph								0.0029	0.0029
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0353	0.0353

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0692	0.0463	0.0060	0.0065	0.1280
10 mph	0.0328	0.0031	0.0130	0.0093	0.0234	0.0188	0.0114	0.0487	0.1606
15 mph	0.0350	0.0034	0.0139	0.0061	0.0179	0.0153	0.0077	0.0323	0.1317
20 mph	0.0125	0.0012	0.0050	0.0037	0.0119	0.0103	0.0133	0.0486	0.1065
25 mph	0.0439	0.0042	0.0175	0.0122	0.0541	0.0478	0.0537	0.2244	0.4577
30 mph	0.0390	0.0038	0.0155	0.0112	0.0438	0.0391	0.0477	0.2025	0.4025
35 mph	0.0660	0.0064	0.0263	0.0135	0.0416	0.0371	0.0409	0.1758	0.4077
40 mph	0.0120	0.0012	0.0048	0.0046	0.0232	0.0206	0.0496	0.2147	0.3307
45 mph	0.0090	0.0009	0.0036	0.0035	0.0177	0.0157	0.0475	0.2074	0.3052
50 mph	0.0091	0.0009	0.0036	0.0036	0.0185	0.0162	0.0549	0.2380	0.3448
55 mph	0.0064	0.0006	0.0025	0.0024	0.0115	0.0100	0.0228	0.1002	0.1565
60 mph	0.0105	0.0010	0.0042	0.0032	0.0141	0.0121	1.0986	4.7730	5.9167
65 mph	0.0018	0.0002	0.0007	0.0006	0.0029	0.0024	-	-	0.0086
70 mph	0.0267	0.0025	0.0103	0.0145	0.1007	0.0722	-	-	0.2271
STREX	0.0066	0.0006	0.0025	0.0057	0.0005	0.0001	0.0002	0.0000	0.0162
total	0.3113	0.0300	0.1234	0.0940	0.4510	0.3641	1.4544	6.2723	**9.1006**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0013	0.0016	0.0013	0.0014	0.0003	0.0003	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0066	0.0006	0.0025	0.0057	0.0005	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0066	0.0006	0.0025	0.0057	0.0005	0.0001	0.0002	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.5230	0.1919	0.9470	0.6004	0.5280	0.1816	0.3740	0.0015
Diesel	0.0276	0.0000	0.0084	0.0180	0.4972	0.3905	2.1210	2.3213
Electric/NG	0.1087	0.0043	0.0266	0.0174	-	-	-	0.1462
Total	2.6594	0.1962	0.9819	0.6358	1.0252	0.5721	2.4950	2.4690

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.0433	0.0794	0.3916	0.5185	0.5661	0.1947	1.3485	0.0054
Diesel	0.0114	0.0000	0.0035	0.0156	0.5331	0.4187	7.6474	8.3695
Electric/NG	0.0450	0.0018	0.0110	0.0150	-	-	-	0.5270
Total	1.0997	0.0811	0.4061	0.5491	1.0992	0.6134	8.9959	8.9019

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.8374	0.0637	0.3143	0.0864	0.0479	0.0165	0.0664	0.0003
Diesel	0.0092	0.0000	0.0028	0.0026	0.0451	0.0354	0.3766	0.4121
Electric/NG	0.0361	0.0014	0.0088	0.0025	-	-	-	0.0259
Total	0.8827	0.0651	0.3259	0.0915	0.0930	0.0519	0.4430	0.4383

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	4.4038	0.3350	1.6529	1.2053	1.1420	0.3927	1.7888	0.0072	10.9276
Diesel	0.0482	0.0001	0.0146	0.0362	1.0754	0.8446	10.1450	11.1030	23.2672
Electric/NG	0.1898	0.0075	0.0464	0.0350	-	-	-	0.6991	0.9777
Total	4.6418	0.3425	1.7139	1.2765	2.2174	1.2373	11.9339	11.8093	**35.1726**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	18.1679
Internal	17.2285
Total	**35.3964**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0533	0.0357	0.0046	0.0050	0.0986
10 mph	0.0210	0.0020	0.0083	0.0059	0.0180	0.0145	0.0088	0.0375	0.1161
15 mph	0.0224	0.0022	0.0089	0.0039	0.0138	0.0118	0.0059	0.0249	0.0938
20 mph	0.0080	0.0008	0.0032	0.0023	0.0092	0.0080	0.0103	0.0374	0.0791
25 mph	0.0281	0.0027	0.0112	0.0078	0.0416	0.0368	0.0413	0.1728	0.3423
30 mph	0.0249	0.0024	0.0099	0.0072	0.0337	0.0301	0.0367	0.1559	0.3009
35 mph	0.0423	0.0041	0.0168	0.0087	0.0320	0.0286	0.0315	0.1354	0.2993
40 mph	0.0077	0.0007	0.0030	0.0030	0.0179	0.0159	0.0382	0.1654	0.2517
45 mph	0.0057	0.0006	0.0023	0.0022	0.0136	0.0121	0.0366	0.1597	0.2328
50 mph	0.0058	0.0006	0.0023	0.0023	0.0142	0.0125	0.0423	0.1833	0.2632
55 mph	0.0041	0.0004	0.0016	0.0015	0.0089	0.0077	0.0175	0.0772	0.1190
60 mph	0.0067	0.0006	0.0027	0.0020	0.0109	0.0093	0.8459	3.6752	4.5534
65 mph	0.0012	0.0001	0.0005	0.0004	0.0022	0.0018	-	-	0.0062
70 mph	0.0171	0.0016	0.0066	0.0093	0.0776	0.0556	-	-	0.1678
total	0.1950	0.0188	0.0774	0.0565	0.3469	0.2803	1.1197	4.8297	6.9243

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2029 (Net) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	2,134	2.40	0.32	0.0005	1.00	0.0019	4.07
2	L	2,999	2.40	0.32	0.0005	1.40	0.0019	5.71
3	L	2,845	2.40	0.32	0.0005	1.33	0.0019	5.42
5	L	4,600	2.40	0.32	0.0005	2.15	0.0019	8.76
6	L	9,220	2.40	0.32	0.0005	4.31	0.0019	17.57
8	L	6,873	2.40	0.32	0.0005	3.21	0.0019	13.09
11	L	(1,385)	2.40	0.32	0.0005	(0.65)	0.0019	(2.64)
12	L	(2,111)	2.40	0.32	0.0005	(0.99)	0.0019	(4.02)
14	L	(1,131)	2.40	0.32	0.0005	(0.53)	0.0019	(2.16)
18	L	1,195	2.40	0.32	0.0005	0.56	0.0019	2.28
19	L	5,693	2.40	0.32	0.0005	2.66	0.0019	10.84
21	L	2,924	2.40	0.32	0.0005	1.37	0.0019	5.57
24	L	6,579	2.40	0.32	0.0005	3.08	0.0019	12.53
30	L	(6,461)	2.40	0.32	0.0005	(3.02)	0.0019	(12.31)
29	L	3,093	2.40	0.32	0.0005	1.45	0.0019	5.89
31	L	(223)	2.40	0.32	0.0005	(0.10)	0.0019	(0.42)
TOTAL						17.23		70.19

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2029 (Net) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	185,114	2.40	0.032	0.0001	10.65	0.0002	43.39
Freeway	F	260,415	2.40	0.015	0.0000	7.52	0.0001	30.63
TOTAL		445,529				18.17		74.02

World Logistics Center
Mobile Emissions - 2029 (Net) - Unmitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0052	0.0082	0.0069	0.0080	0.0105	0.0118	0.0195	0.2038
15 mph	0.0046	0.0071	0.0060	0.0070	0.0092	0.0103	0.0173	0.1800
20 mph	0.0041	0.0063	0.0054	0.0062	0.0084	0.0094	0.0156	0.1624
25 mph	0.0038	0.0057	0.0049	0.0057	0.0077	0.0085	0.0142	0.1486
30 mph	0.0035	0.0053	0.0045	0.0052	0.0073	0.0080	0.0130	0.1385
35 mph	0.0033	0.0050	0.0043	0.0050	0.0069	0.0075	0.0122	0.1311
40 mph	0.0031	0.0048	0.0041	0.0047	0.0067	0.0072	0.0117	0.1256
45 mph	0.0030	0.0046	0.0040	0.0046	0.0065	0.0070	0.0113	0.1222
50 mph	0.0030	0.0046	0.0039	0.0046	0.0065	0.0069	0.0111	0.1211
55 mph	0.0030	0.0047	0.0040	0.0046	0.0066	0.0070	0.0113	0.1225
60 mph	0.0032	0.0050	0.0042	0.0049	0.0069	0.0073	0.0117	0.1265
65 mph	0.0033	0.0053	0.0044	0.0051	0.0072	0.0077	0.0123	0.1325
70 mph	0.0035	0.0059	0.0046	0.0055	0.0080	0.0079	0.0122	0.1404

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0579	0.1240	0.0778	0.0969	0.1423	0.1592	0.2777	0.4422
15 mph	0.0476	0.1032	0.0645	0.0821	0.0926	0.1056	0.2185	0.3276
20 mph	0.0391	0.0847	0.0530	0.0682	0.0790	0.0902	0.1866	0.2741
25 mph	0.0327	0.0708	0.0445	0.0577	0.0701	0.0804	0.1629	0.2322
30 mph	0.0284	0.0609	0.0384	0.0499	0.0637	0.0725	0.1430	0.2036
35 mph	0.0257	0.0546	0.0347	0.0454	0.0638	0.0727	0.1278	0.1852
40 mph	0.0240	0.0508	0.0324	0.0425	0.0622	0.0701	0.1171	0.1691
45 mph	0.0232	0.0491	0.0312	0.0409	0.0607	0.0674	0.1110	0.1600
50 mph	0.0233	0.0491	0.0312	0.0411	0.0636	0.0700	0.1095	0.1554
55 mph	0.0243	0.0513	0.0327	0.0434	0.0664	0.0724	0.1126	0.1609
60 mph	0.0264	0.0556	0.0354	0.0470	0.0671	0.0726	0.1203	0.1706
65 mph	0.0297	0.0620	0.0397	0.0529	0.0681	0.0730	0.1326	0.1849
70 mph	0.0323	0.0646	0.0425	0.0578	0.0696	0.0746	0.1338	0.1875

*US EPA Emission Factors for Greenhouse Gas Inventories. (Idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.8951
15 mph								0.7511
20 mph								0.6556
25 mph								0.6041
30 mph								0.5711
35 mph								0.5451
40 mph								0.5237
45 mph								0.5057
50 mph								0.4904
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0371	0.0044	0.0184	0.0135	0.0080	0.0027	0.0075	0.0006	0.0921
15 mph	0.0130	0.0015	0.0065	0.0047	0.0028	0.0009	0.0022	0.0002	0.0318
20 mph	0.0234	0.0027	0.0116	0.0084	0.0051	0.0017	0.0040	0.0003	0.0572
25 mph	0.1067	0.0124	0.0524	0.0383	0.0235	0.0077	0.0198	0.0016	0.2624
30 mph	0.1090	0.0126	0.0534	0.0390	0.0243	0.0079	0.0166	0.0013	0.2641
35 mph	0.0842	0.0097	0.0411	0.0301	0.0189	0.0061	0.0070	0.0006	0.1978
40 mph	0.0268	0.0031	0.0131	0.0096	0.0061	0.0020	0.0074	0.0006	0.0687
45 mph	0.0216	0.0025	0.0106	0.0078	0.0050	0.0016	0.0057	0.0005	0.0552
50 mph	0.0214	0.0025	0.0105	0.0077	0.0049	0.0016	0.0092	0.0008	0.0585
55 mph	0.0173	0.0021	0.0085	0.0063	0.0040	0.0013	0.0022	0.0002	0.0418
60 mph	0.0360	0.0043	0.0178	0.0131	0.0083	0.0026	0.0022	0.0002	0.0846
65 mph	0.0047	0.0006	0.0023	0.0017	0.0011	0.0003	-	-	0.0108
70 mph	-	-	-	-	-	-	-	-	-
total	0.5013	0.0584	0.2461	0.1803	0.1121	0.0364	0.0837	0.0067	1.2250

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0031	0.0004	0.0015	0.0023	0.0017	0.0006	-	-	0.0096
15 mph	0.0027	0.0003	0.0013	0.0020	0.0015	0.0005	-	-	0.0084
20 mph	0.0024	0.0003	0.0012	0.0018	0.0014	0.0005	0.0072	0.0006	0.0153
25 mph	0.0044	0.0005	0.0022	0.0033	0.0025	0.0008	0.0114	0.0009	0.0260
30 mph	0.0082	0.0009	0.0040	0.0061	0.0047	0.0015	0.0179	0.0014	0.0449
35 mph	0.0174	0.0020	0.0085	0.0130	0.0102	0.0033	0.0168	0.0014	0.0725
40 mph	0.0185	0.0021	0.0090	0.0138	0.0109	0.0035	0.0147	0.0012	0.0737
45 mph	0.0143	0.0017	0.0070	0.0107	0.0085	0.0027	0.0103	0.0008	0.0561
50 mph	0.0159	0.0019	0.0078	0.0120	0.0095	0.0030	0.0051	0.0004	0.0556
55 mph	0.0089	0.0011	0.0044	0.0068	0.0054	0.0017	0.0026	0.0002	0.0311
60 mph	0.0056	0.0007	0.0028	0.0043	0.0034	0.0011	0.1873	0.0152	0.2202
65 mph	0.0019	0.0002	0.0010	0.0015	0.0012	0.0004	-	-	0.0062
70 mph	0.0943	0.0122	0.0464	0.0739	0.0600	0.0175	-	-	0.3043
total	0.1977	0.0242	0.0970	0.1516	0.1209	0.0371	0.2732	0.0221	0.9239

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0013	0.0004	0.0006	0.0000	0.0022
15 mph	0.0408	0.0048	0.0202	0.0068	0.0044	0.0015	0.0036	0.0003	0.0823
25 mph	-	-	-	-	0.0070	0.0023	0.0130	0.0010	0.0233
35 mph	0.1260	0.0145	0.0615	0.0192	-	-	-	-	0.2213
total	0.1668	0.0193	0.0817	0.0261	0.0126	0.0041	0.0172	0.0013	0.3291

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0013	0.0004	0.0006	0.0000	0.0022
10 mph	0.0402	0.0048	0.0200	0.0158	0.0097	0.0032	0.0075	0.0006	0.1016
15 mph	0.0565	0.0066	0.0280	0.0136	0.0087	0.0029	0.0058	0.0005	0.1225
20 mph	0.0258	0.0030	0.0128	0.0102	0.0065	0.0021	0.0111	0.0009	0.0725
25 mph	0.1111	0.0129	0.0546	0.0416	0.0330	0.0108	0.0442	0.0035	0.3117
30 mph	0.1172	0.0135	0.0574	0.0452	0.0290	0.0095	0.0345	0.0028	0.3090
35 mph	0.2276	0.0263	0.1111	0.0624	0.0291	0.0094	0.0238	0.0019	0.4916
40 mph	0.0453	0.0052	0.0221	0.0234	0.0170	0.0055	0.0221	0.0018	0.1424
45 mph	0.0359	0.0042	0.0176	0.0185	0.0135	0.0043	0.0161	0.0013	0.1113
50 mph	0.0373	0.0044	0.0182	0.0197	0.0145	0.0046	0.0143	0.0012	0.1141
55 mph	0.0263	0.0031	0.0129	0.0131	0.0094	0.0030	0.0047	0.0004	0.0729
60 mph	0.0416	0.0050	0.0206	0.0174	0.0117	0.0037	0.1895	0.0154	0.3048
65 mph	0.0067	0.0008	0.0033	0.0032	0.0023	0.0007	-	-	0.0170
70 mph	0.0943	0.0122	0.0464	0.0739	0.0600	0.0175	-	-	0.3043
total	0.8658	0.1020	0.4248	0.3580	0.2456	0.0776	0.3741	0.0301	2.4780

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0045	0.0000	0.0018	0.0049	0.0989	0.0754	0.6004	1.7646	2.5506
15 mph	0.0015	0.0000	0.0006	0.0017	0.0257	0.0200	0.1575	0.4358	0.6427
20 mph	0.0024	0.0000	0.0010	0.0028	0.0439	0.0342	0.2690	0.7292	1.0825
25 mph	0.0102	0.0000	0.0042	0.0117	0.1948	0.1523	1.2910	3.3976	5.0619
30 mph	0.0097	0.0000	0.0040	0.0112	0.1948	0.1512	1.0306	2.7081	4.1097
35 mph	0.0072	0.0000	0.0029	0.0083	0.1597	0.1240	0.4143	1.1087	1.8252
40 mph	0.0022	0.0000	0.0009	0.0026	0.0519	0.0399	0.4219	1.1248	1.6442
45 mph	0.0018	0.0000	0.0007	0.0021	0.0422	0.0319	0.3199	0.8511	1.2498
50 mph	0.0018	0.0000	0.0007	0.0021	0.0442	0.0332	0.5129	1.3441	1.9390
55 mph	0.0015	0.0000	0.0006	0.0018	0.0369	0.0274	0.1218	0.3210	0.5111
60 mph	0.0033	0.0000	0.0013	0.0038	0.0746	0.0550	0.1301	0.3404	0.6085
65 mph	0.0005	0.0000	0.0002	0.0005	0.0095	0.0069	-	-	0.0176
70 mph	-	-	-	-	-	-	-	-	-
total	0.0466	0.0001	0.0191	0.0534	0.9773	0.7513	5.2693	14.1254	21.2427

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0004	0.0000	0.0002	0.0008	0.0212	0.0162	-	-	0.0388
15 mph	0.0003	0.0000	0.0001	0.0007	0.0138	0.0107	-	-	0.0257
20 mph	0.0003	0.0000	0.0001	0.0006	0.0118	0.0092	0.4849	1.3146	1.8213
25 mph	0.0004	0.0000	0.0002	0.0010	0.0209	0.0163	0.7405	1.9489	2.7283
30 mph	0.0007	0.0000	0.0003	0.0018	0.0380	0.0295	1.1148	2.9292	4.1143
35 mph	0.0015	0.0000	0.0006	0.0036	0.0856	0.0665	0.9959	2.6650	3.8187
40 mph	0.0015	0.0000	0.0006	0.0037	0.0927	0.0712	0.8366	2.2305	3.2369
45 mph	0.0012	0.0000	0.0005	0.0029	0.0723	0.0548	0.5767	1.5344	2.2427
50 mph	0.0013	0.0000	0.0005	0.0032	0.0854	0.0640	0.2845	0.7455	1.1846
55 mph	0.0008	0.0000	0.0003	0.0019	0.0495	0.0367	0.1463	0.3858	0.6214
60 mph	0.0005	0.0000	0.0002	0.0012	0.0300	0.0221	10.9419	28.6350	39.6309
65 mph	0.0002	0.0000	0.0001	0.0005	0.0102	0.0074	-	-	0.0183
70 mph	0.0096	0.0000	0.0038	0.0233	0.4771	0.3484	-	-	0.8622
total	0.0187	0.0001	0.0076	0.0453	1.0084	0.7530	16.1221	42.3890	60.3441

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0003	0.0012	0.0022	0.0040
15 mph	0.0046	0.0000	0.0019	0.0024	0.0403	0.0313	0.2600	0.7195	1.0601
25 mph	-	-	-	-	0.0579	0.0452	0.8480	2.2318	3.1829
35 mph	0.0108	0.0000	0.0044	0.0053	-	-	-	-	0.0205
total	0.0154	0.0000	0.0063	0.0077	0.0985	0.0768	1.1092	2.9535	4.2675

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0003	0.0012	0.0022	0.0040
10 mph	0.0049	0.0000	0.0020	0.0058	0.1201	0.0916	0.6004	1.7646	2.5893
15 mph	0.0064	0.0000	0.0026	0.0048	0.0798	0.0620	0.4175	1.1553	1.7285
20 mph	0.0027	0.0000	0.0011	0.0034	0.0557	0.0433	0.7538	2.0438	2.9038
25 mph	0.0106	0.0000	0.0044	0.0127	0.2736	0.2138	2.8796	7.5783	10.9730
30 mph	0.0104	0.0000	0.0043	0.0129	0.2328	0.1807	2.1454	5.6373	8.2240
35 mph	0.0194	0.0001	0.0080	0.0172	0.2454	0.1904	1.4102	3.7738	5.6645
40 mph	0.0038	0.0000	0.0015	0.0063	0.1445	0.1111	1.2585	3.3553	4.8811
45 mph	0.0030	0.0000	0.0012	0.0049	0.1145	0.0867	0.8966	2.3855	3.4925
50 mph	0.0032	0.0000	0.0013	0.0053	0.1296	0.0971	0.7974	2.0896	3.1235
55 mph	0.0023	0.0000	0.0009	0.0037	0.0865	0.0642	0.2681	0.7068	1.1325
60 mph	0.0038	0.0000	0.0015	0.0051	0.1046	0.0771	11.0719	28.9754	40.2394
65 mph	0.0007	0.0000	0.0003	0.0010	0.0196	0.0143	-	-	0.0359
70 mph	0.0096	0.0000	0.0038	0.0233	0.4771	0.3484	-	-	0.8622
total	0.0808	0.0002	0.0330	0.1064	2.0843	1.5812	22.5006	59.4678	85.8543

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT)

Surface Street Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.2214	0.2214
15 mph								0.0619	0.0619
20 mph								0.1081	0.1081
25 mph								0.5478	0.5478
30 mph								0.4709	0.4709
35 mph								0.2022	0.2022
40 mph								0.2159	0.2159
45 mph								0.1668	0.1668
50 mph								0.2628	0.2628
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.2577	2.2577

Freeway Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.1949	0.1949
25 mph								0.3142	0.3142
30 mph								0.5093	0.5093
35 mph								0.4860	0.4860
40 mph								0.4281	0.4281
45 mph								0.3006	0.3006
50 mph								0.1458	0.1458
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.5045	1.5045

Internal Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0004	0.0004
15 mph								0.1022	0.1022
25 mph								0.3598	0.3598
35 mph								-	-
total	-	-	-	-	-	-	-	0.4625	0.4625

Total Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0004	0.0004
10 mph								0.2214	0.2214
15 mph								0.1642	0.1642
20 mph								0.3030	0.3030
25 mph								1.2219	1.2219
30 mph								0.9802	0.9802
35 mph								0.6882	0.6882
40 mph								0.6439	0.6439
45 mph								0.4674	0.4674
50 mph								0.4085	0.4085
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.0991	5.0991

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0017	0.0007	0.0017	0.0025	0.0066
10 mph	0.0450	0.0048	0.0220	0.0216	0.1298	0.0948	0.6078	1.9865	2.9124
15 mph	0.0629	0.0067	0.0306	0.0184	0.0885	0.0649	0.4233	1.3199	2.0152
20 mph	0.0285	0.0030	0.0139	0.0136	0.0622	0.0455	0.7649	2.3477	3.2793
25 mph	0.1217	0.0129	0.0590	0.0543	0.3066	0.2246	2.9238	8.8036	12.5067
30 mph	0.1277	0.0136	0.0617	0.0581	0.2618	0.1901	2.1799	6.6202	9.5132
35 mph	0.2471	0.0263	0.1190	0.0796	0.2745	0.1998	1.4340	4.4639	6.8443
40 mph	0.0491	0.0052	0.0236	0.0298	0.1615	0.1165	1.2806	4.0010	5.6674
45 mph	0.0389	0.0042	0.0188	0.0234	0.1280	0.0910	0.9126	2.8542	4.0712
50 mph	0.0405	0.0044	0.0195	0.0250	0.1441	0.1017	0.8117	2.4993	3.6462
55 mph	0.0286	0.0031	0.0139	0.0167	0.0959	0.0671	0.2728	0.7072	1.2054
60 mph	0.0454	0.0050	0.0221	0.0225	0.1163	0.0808	11.2614	28.9908	40.5442
65 mph	0.0073	0.0008	0.0036	0.0042	0.0219	0.0150	-	-	0.0529
70 mph	0.1039	0.0122	0.0502	0.0972	0.5371	0.3660	-	-	1.1666
STREX	0.1062	0.0089	0.0463	0.1084	0.0489	0.0146	0.0194	0.0000	0.3528
total	1.0528	0.1111	0.5042	0.5729	2.3787	1.6733	22.8942	64.5970	**93.7842**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0211	0.0232	0.0245	0.0263	0.0355	0.0356	0.0294	0.0055
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1062	0.0089	0.0463	0.1084	0.0489	0.0146	0.0194	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1062	0.0089	0.0463	0.1084	0.0489	0.0146	0.0194	0.0000

World Logistics Center
Mobile Emissions - 2029 (Net) - Unmitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					2.0153	2.0337	3.3620	2.4662
10 mph	0.0058	0.0124	0.0097	0.0116	0.0125	0.0101	0.0223	0.3126
15 mph	0.0039	0.0084	0.0065	0.0078	0.0085	0.0068	0.0149	0.2074
20 mph	0.0027	0.0060	0.0046	0.0055	0.0061	0.0048	0.0105	0.1462
25 mph	0.0020	0.0045	0.0034	0.0041	0.0046	0.0036	0.0077	0.1084
30 mph	0.0016	0.0035	0.0026	0.0032	0.0036	0.0028	0.0059	0.0848
35 mph	0.0013	0.0029	0.0022	0.0026	0.0030	0.0023	0.0049	0.0701
40 mph	0.0011	0.0025	0.0019	0.0023	0.0027	0.0020	0.0042	0.0611
45 mph	0.0010	0.0023	0.0017	0.0021	0.0025	0.0019	0.0039	0.0562
50 mph	0.0010	0.0022	0.0017	0.0020	0.0025	0.0018	0.0037	0.0544
55 mph	0.0010	0.0023	0.0017	0.0020	0.0025	0.0018	0.0038	0.0555
60 mph	0.0011	0.0024	0.0018	0.0021	0.0027	0.0020	0.0041	0.0594
65 mph	0.0012	0.0026	0.0019	0.0024	0.0031	0.0022		
70 mph	0.0013	0.0031	0.0021	0.0026	0.0033	0.0022		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0242	0.1098
10 mph	0.0043	0.0171	0.0090	0.0045	0.0255	0.0256	0.0016	0.0038
15 mph	0.0022	0.0110	0.0044	0.0022	0.0129	0.0130	0.0009	0.0022
20 mph	0.0009	0.0074	0.0017	0.0009	0.0056	0.0056	0.0006	0.0013
25 mph	0.0006	0.0057	0.0011	0.0006	0.0036	0.0036	0.0005	0.0011
30 mph	0.0004	0.0047	0.0008	0.0004	0.0028	0.0028	0.0004	0.0009
35 mph	0.0004	0.0041	0.0006	0.0003	0.0024	0.0023	0.0003	0.0007
40 mph	0.0003	0.0037	0.0005	0.0003	0.0020	0.0020	0.0003	0.0006
45 mph	0.0003	0.0035	0.0004	0.0002	0.0018	0.0018	0.0002	0.0006
50 mph	0.0002	0.0034	0.0004	0.0002	0.0017	0.0016	0.0002	0.0006
55 mph	0.0002	0.0036	0.0003	0.0002	0.0016	0.0015	0.0003	0.0006
60 mph	0.0002	0.0039	0.0003	0.0002	0.0016	0.0015	0.0003	0.0008
65 mph	0.0002	0.0044	0.0003	0.0002	0.0018	0.0017		
70 mph	0.0002	0.0051	0.0003	0.0002	0.0027	0.0024		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.9182
10 mph								11.3796
15 mph								7.8036
20 mph								5.5060
25 mph								4.0414
30 mph								2.9995
35 mph								2.2292
40 mph								1.6602
45 mph								1.2412
50 mph								0.9339
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0414	0.0067	0.0258	0.0196	0.0095	0.0023	0.0085	0.0009	0.1147
15 mph	0.0111	0.0018	0.0069	0.0053	0.0026	0.0006	0.0019	0.0002	0.0303
20 mph	0.0155	0.0026	0.0098	0.0074	0.0037	0.0009	0.0027	0.0003	0.0429
25 mph	0.0573	0.0097	0.0363	0.0276	0.0140	0.0032	0.0108	0.0011	0.1601
30 mph	0.0490	0.0084	0.0311	0.0237	0.0122	0.0028	0.0076	0.0008	0.1355
35 mph	0.0328	0.0057	0.0208	0.0160	0.0083	0.0019	0.0028	0.0003	0.0886
40 mph	0.0095	0.0017	0.0060	0.0046	0.0025	0.0005	0.0027	0.0003	0.0278
45 mph	0.0073	0.0013	0.0046	0.0035	0.0019	0.0004	0.0020	0.0002	0.0212
50 mph	0.0070	0.0012	0.0044	0.0034	0.0019	0.0004	0.0031	0.0003	0.0218
55 mph	0.0057	0.0010	0.0036	0.0028	0.0015	0.0003	0.0007	0.0001	0.0157
60 mph	0.0120	0.0020	0.0075	0.0058	0.0033	0.0007	0.0008	0.0001	0.0322
65 mph	0.0017	0.0003	0.0010	0.0008	0.0005	0.0001	-	-	0.0044
70 mph	-	-	-	-	-	-	-	-	-
total	0.2502	0.0423	0.1579	0.1206	0.0618	0.0142	0.0434	0.0046	0.6951

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0034	0.0006	0.0021	0.0034	0.0020	0.0005	-	-	0.0120
15 mph	0.0023	0.0004	0.0014	0.0023	0.0014	0.0003	-	-	0.0081
20 mph	0.0016	0.0003	0.0010	0.0016	0.0010	0.0002	0.0048	0.0005	0.0111
25 mph	0.0024	0.0004	0.0015	0.0024	0.0015	0.0003	0.0062	0.0007	0.0154
30 mph	0.0037	0.0006	0.0023	0.0037	0.0024	0.0005	0.0082	0.0009	0.0223
35 mph	0.0068	0.0012	0.0043	0.0069	0.0045	0.0010	0.0067	0.0007	0.0320
40 mph	0.0065	0.0011	0.0042	0.0067	0.0044	0.0010	0.0053	0.0006	0.0298
45 mph	0.0048	0.0008	0.0031	0.0049	0.0033	0.0007	0.0035	0.0004	0.0215
50 mph	0.0052	0.0009	0.0033	0.0053	0.0036	0.0008	0.0017	0.0002	0.0210
55 mph	0.0029	0.0005	0.0019	0.0030	0.0021	0.0004	0.0009	0.0001	0.0118
60 mph	0.0019	0.0003	0.0012	0.0019	0.0013	0.0003	0.0657	0.0072	0.0797
65 mph	0.0007	0.0001	0.0004	0.0007	0.0005	0.0001	-	-	0.0025
70 mph	0.0343	0.0063	0.0210	0.0352	0.0247	0.0049	-	-	0.1264
total	0.0765	0.0135	0.0477	0.0779	0.0526	0.0111	0.1030	0.0112	0.3935

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1907	0.0572	0.1447	0.0011	0.3937
15 mph	0.0346	0.0057	0.0217	0.0076	0.0040	0.0010	0.0031	0.0003	0.0780
25 mph	-	-	-	-	0.0041	0.0010	0.0071	0.0007	0.0130
35 mph	0.0491	0.0085	0.0312	0.0102	-	-	-	-	0.0989
total	0.0837	0.0142	0.0528	0.0178	0.1989	0.0591	0.1549	0.0022	0.5836

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1907	0.0572	0.1447	0.0011	0.3937
10 mph	0.0448	0.0073	0.0279	0.0230	0.0116	0.0028	0.0085	0.0009	0.1267
15 mph	0.0479	0.0079	0.0300	0.0152	0.0080	0.0019	0.0050	0.0005	0.1164
20 mph	0.0171	0.0029	0.0108	0.0091	0.0047	0.0011	0.0075	0.0008	0.0540
25 mph	0.0597	0.0101	0.0378	0.0300	0.0196	0.0045	0.0241	0.0025	0.1884
30 mph	0.0527	0.0090	0.0334	0.0275	0.0145	0.0033	0.0157	0.0017	0.1578
35 mph	0.0887	0.0154	0.0563	0.0330	0.0128	0.0029	0.0094	0.0010	0.2195
40 mph	0.0160	0.0028	0.0102	0.0113	0.0069	0.0015	0.0080	0.0009	0.0576
45 mph	0.0121	0.0021	0.0077	0.0084	0.0052	0.0011	0.0055	0.0006	0.0427
50 mph	0.0122	0.0021	0.0077	0.0087	0.0055	0.0012	0.0048	0.0005	0.0428
55 mph	0.0086	0.0015	0.0054	0.0058	0.0036	0.0008	0.0016	0.0002	0.0275
60 mph	0.0139	0.0024	0.0087	0.0077	0.0046	0.0010	0.0665	0.0072	0.1119
65 mph	0.0024	0.0004	0.0015	0.0015	0.0010	0.0002	-	-	0.0069
70 mph	0.0343	0.0063	0.0210	0.0352	0.0247	0.0049	-	-	0.1264
total	0.4104	0.0700	0.2585	0.2163	0.3132	0.0844	0.3014	0.0180	1.6722

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0003	0.0000	0.0002	0.0002	0.0177	0.0121	0.0035	0.0152	0.0493
15 mph	0.0001	0.0000	0.0000	0.0000	0.0036	0.0025	0.0007	0.0029	0.0097
20 mph	0.0001	0.0000	0.0000	0.0000	0.0031	0.0021	0.0009	0.0036	0.0099
25 mph	0.0002	0.0000	0.0001	0.0001	0.0101	0.0068	0.0037	0.0164	0.0374
30 mph	0.0002	0.0000	0.0001	0.0001	0.0087	0.0059	0.0027	0.0121	0.0297
35 mph	0.0001	0.0000	0.0001	0.0001	0.0059	0.0040	0.0010	0.0044	0.0155
40 mph	0.0000	0.0000	0.0000	0.0000	0.0017	0.0011	0.0010	0.0042	0.0081
45 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0008	0.0007	0.0031	0.0060
50 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0008	0.0012	0.0051	0.0082
55 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0006	0.0003	0.0013	0.0031
60 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0012	0.0003	0.0015	0.0048
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0010	0.0000	0.0006	0.0006	0.0561	0.0380	0.0160	0.0698	0.1822

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0038	0.0026	-	-	0.0065
15 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0013	-	-	0.0033
20 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	0.0016	0.0065	0.0095
25 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0007	0.0021	0.0094	0.0134
30 mph	0.0000	0.0000	0.0000	0.0000	0.0017	0.0011	0.0030	0.0131	0.0189
35 mph	0.0000	0.0000	0.0000	0.0000	0.0032	0.0021	0.0024	0.0107	0.0185
40 mph	0.0000	0.0000	0.0000	0.0000	0.0030	0.0020	0.0019	0.0084	0.0154
45 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0014	0.0013	0.0056	0.0105
50 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0015	0.0006	0.0028	0.0072
55 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0008	0.0004	0.0016	0.0039
60 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0287	0.1265	0.1564
65 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	-	-	0.0004
70 mph	0.0001	0.0000	0.0000	0.0001	0.0188	0.0114	-	-	0.0304
total	0.0002	0.0000	0.0001	0.0003	0.0409	0.0262	0.0420	0.1846	0.2943

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0128	0.0087	0.0059	0.0495	0.0768
15 mph	0.0002	0.0000	0.0001	0.0001	0.0056	0.0038	0.0011	0.0048	0.0157
25 mph	-	-	-	-	0.0030	0.0020	0.0025	0.0108	0.0183
35 mph	0.0001	0.0000	0.0001	0.0000	-	-	-	-	0.0003
total	0.0004	0.0000	0.0002	0.0001	0.0214	0.0146	0.0094	0.0650	0.1111

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0128	0.0087	0.0059	0.0495	0.0768
10 mph	0.0004	0.0000	0.0002	0.0003	0.0215	0.0147	0.0035	0.0152	0.0558
15 mph	0.0003	0.0000	0.0002	0.0001	0.0111	0.0076	0.0017	0.0076	0.0287
20 mph	0.0001	0.0000	0.0000	0.0000	0.0040	0.0027	0.0024	0.0101	0.0193
25 mph	0.0002	0.0000	0.0001	0.0001	0.0142	0.0096	0.0083	0.0366	0.0691
30 mph	0.0002	0.0000	0.0001	0.0001	0.0104	0.0070	0.0057	0.0251	0.0486
35 mph	0.0003	0.0000	0.0001	0.0001	0.0091	0.0061	0.0035	0.0151	0.0343
40 mph	0.0000	0.0000	0.0000	0.0000	0.0047	0.0032	0.0029	0.0127	0.0236
45 mph	0.0000	0.0000	0.0000	0.0000	0.0034	0.0023	0.0020	0.0088	0.0165
50 mph	0.0000	0.0000	0.0000	0.0000	0.0034	0.0023	0.0018	0.0079	0.0155
55 mph	0.0000	0.0000	0.0000	0.0000	0.0021	0.0014	0.0006	0.0029	0.0070
60 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0016	0.0291	0.1280	0.1612
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	-	-	0.0009
70 mph	0.0001	0.0000	0.0000	0.0001	0.0188	0.0114	-	-	0.0304
total	0.0016	0.0000	0.0009	0.0010	0.1184	0.0788	0.0675	0.3194	0.5876

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT)

Surface Street Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								2.8144	2.8144
15 mph								0.6433	0.6433
20 mph								0.9078	0.9078
25 mph								3.6650	3.6650
30 mph								2.4728	2.4728
35 mph								0.8270	0.8270
40 mph								0.6844	0.6844
45 mph								0.4093	0.4093
50 mph								0.5004	0.5004
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	12.9245	12.9245

Freeway Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1.6366	1.6366
25 mph								2.1022	2.1022
30 mph								2.6748	2.6748
35 mph								1.9878	1.9878
40 mph								1.3571	1.3571
45 mph								0.7379	0.7379
50 mph								0.2776	0.2776
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	8.4014	8.4014

Internal Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0536	0.0536
15 mph								1.0623	1.0623
25 mph								2.4074	2.4074
35 mph								-	-
total	-	-	-	-	-	-	-	3.5232	3.5232

Total Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0536	0.0536
10 mph								2.8144	2.8144
15 mph								1.7056	1.7056
20 mph								2.5445	2.5445
25 mph								8.1746	8.1746
30 mph								5.1476	5.1476
35 mph								2.8148	2.8148
40 mph								2.0415	2.0415
45 mph								1.1471	1.1471
50 mph								0.7780	0.7780
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	27.2217	27.2217

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2035	0.0659	0.1506	0.1041	0.5241
10 mph	0.0452	0.0073	0.0281	0.0232	0.0331	0.0175	0.0120	2.8305	2.9969
15 mph	0.0482	0.0079	0.0302	0.0153	0.0191	0.0095	0.0067	1.7138	1.8507
20 mph	0.0172	0.0029	0.0108	0.0091	0.0087	0.0038	0.0099	2.5553	2.6178
25 mph	0.0599	0.0101	0.0379	0.0301	0.0338	0.0141	0.0324	8.2138	8.4321
30 mph	0.0528	0.0090	0.0335	0.0276	0.0249	0.0103	0.0215	5.1744	5.3540
35 mph	0.0889	0.0154	0.0565	0.0332	0.0219	0.0090	0.0129	2.8309	3.0686
40 mph	0.0161	0.0028	0.0102	0.0113	0.0116	0.0047	0.0109	2.0550	2.1226
45 mph	0.0121	0.0021	0.0077	0.0085	0.0086	0.0034	0.0075	1.1565	1.2063
50 mph	0.0123	0.0021	0.0077	0.0087	0.0089	0.0034	0.0066	0.7864	0.8362
55 mph	0.0086	0.0015	0.0054	0.0058	0.0057	0.0021	0.0022	0.0030	0.0344
60 mph	0.0139	0.0024	0.0087	0.0077	0.0071	0.0026	0.0955	0.1353	0.2731
65 mph	0.0024	0.0004	0.0015	0.0015	0.0015	0.0005	-	-	0.0078
70 mph	0.0344	0.0063	0.0210	0.0353	0.0435	0.0163	-	-	0.1568
STREX	0.1684	0.0168	0.0860	0.2159	0.0235	0.0070	0.0222	0.0000	0.5399
total	0.5804	0.0869	0.3454	0.4332	0.4551	0.1702	0.3911	27.5591	**30.0214**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0335	0.0439	0.0455	0.0524	0.0171	0.0172	0.0337	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1684	0.0168	0.0860	0.2159	0.0235	0.0070	0.0222	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1684	0.0168	0.0860	0.2159	0.0235	0.0070	0.0222	0.0000

World Logistics Center
Mobile Emissions - 2029 (Net) - Unmitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,266.80	4,983.93	12,646.52	20,994.08
10 mph	438.18	512.97	526.94	649.38	1,401.84	1,614.19	2,890.75	3,416.85
15 mph	358.15	419.22	430.52	530.15	1,145.18	1,317.71	2,365.30	2,803.80
20 mph	297.88	348.68	358.07	440.98	952.17	1,095.87	1,964.30	2,336.10
25 mph	254.68	298.20	306.27	377.47	813.90	936.60	1,680.78	1,999.71
30 mph	226.03	264.70	271.93	335.52	722.51	831.51	1,493.37	1,774.42
35 mph	209.62	245.53	252.28	311.76	670.14	771.41	1,385.58	1,643.04
40 mph	203.10	237.90	244.43	302.13	648.78	746.86	1,340.72	1,588.52
45 mph	204.19	239.05	245.57	303.42	651.16	749.59	1,346.54	1,589.85
50 mph	210.31	246.17	252.82	312.67	670.35	771.35	1,385.11	1,633.21
55 mph	218.49	255.71	262.71	325.06	697.81	802.91	1,439.76	1,697.09
60 mph	225.02	263.68	271.11	335.88	726.03	835.35	1,497.37	1,763.03
65 mph	230.50	270.59	278.32	345.48	748.08	860.34		
70 mph	233.46	274.52	281.04	353.68	758.98	869.72		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,462.92	5,587.43	5,782.87	5,226.35
10 mph	368.21	789.09	495.05	616.25	905.16	1,012.79	1,766.62	2,813.02
15 mph	302.90	656.43	410.61	522.09	588.95	671.80	1,389.95	2,084.04
20 mph	248.47	539.03	337.30	433.65	502.61	573.69	1,187.06	1,743.74
25 mph	208.34	450.26	282.84	367.25	445.72	511.19	1,036.04	1,477.18
30 mph	180.51	387.34	244.56	317.75	405.22	461.54	909.78	1,295.15
35 mph	163.25	347.12	220.67	288.98	406.06	462.48	812.76	1,178.33
40 mph	152.79	323.43	205.94	270.45	395.41	446.10	744.83	1,075.86
45 mph	147.59	312.14	198.56	260.22	385.87	429.02	705.93	1,017.62
50 mph	148.06	312.13	198.80	261.77	404.84	445.24	696.53	988.92
55 mph	154.91	326.47	207.82	276.21	422.59	460.31	716.57	1,023.53
60 mph	167.96	353.86	225.15	299.09	426.60	461.72	765.39	1,085.21
65 mph	188.93	394.39	252.83	336.63	433.26	464.21		
70 mph	205.69	411.11	270.33	367.42	442.58	474.42		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,411.62
10 mph								4,390.75
15 mph								3,684.38
20 mph								3,216.07
25 mph								2,963.35
30 mph								2,801.68
35 mph								2,673.73
40 mph								2,568.88
45 mph								2,480.81
50 mph								2,405.49
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	3,114.17	277.29	1,405.63	1,098.27	1,064.70	364.34	1,102.07	9.78	8,436.25
15 mph	1,018.15	90.65	459.38	358.64	347.91	118.97	300.58	2.68	2,696.96
20 mph	1,693.65	150.79	764.14	596.65	578.54	197.88	499.25	4.46	4,485.36
25 mph	7,240.06	644.78	3,267.93	2,553.56	2,472.62	845.59	2,349.54	20.99	19,395.07
30 mph	7,068.14	629.59	3,191.70	2,496.74	2,414.48	825.78	1,897.78	16.93	18,541.15
35 mph	5,363.19	477.81	2,422.72	1,898.13	1,832.31	626.80	792.36	7.06	13,420.39
40 mph	1,732.18	154.32	782.45	613.16	591.30	202.29	851.90	7.58	4,935.18
45 mph	1,451.19	129.22	655.08	513.16	494.55	169.19	684.48	6.07	4,102.94
50 mph	1,494.69	133.07	674.42	528.79	509.13	174.10	1,144.14	10.13	4,668.46
55 mph	1,242.27	110.58	560.64	439.80	423.99	144.98	274.45	2.43	3,199.14
60 mph	2,558.79	228.06	1,157.12	908.90	882.27	301.67	285.43	2.52	6,324.78
65 mph	327.64	29.25	148.49	116.86	113.63	38.84	-	-	774.71
70 mph	-	-	-	-	-	-	-	-	-
total	34,304.12	3,055.42	15,489.70	12,122.66	11,725.44	4,010.42	10,181.98	90.63	90,980.38

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	257.56	22.93	116.25	189.70	228.31	78.13	-	-	892.88
15 mph	210.52	18.74	94.98	154.87	186.51	63.78	-	-	729.40
20 mph	175.09	15.59	79.00	128.82	155.07	53.04	900.02	8.04	1,514.68
25 mph	299.40	26.66	135.14	220.54	265.11	90.66	1,347.70	12.04	2,397.25
30 mph	531.43	47.34	239.97	392.06	470.68	160.98	2,052.74	18.32	3,913.51
35 mph	1,108.91	98.79	500.93	819.66	982.28	336.02	1,904.58	16.96	5,768.13
40 mph	1,193.84	106.36	539.27	882.59	1,056.62	361.48	1,689.34	15.03	5,844.54
45 mph	960.17	85.50	433.43	709.11	848.40	290.24	1,233.94	10.94	4,571.73
50 mph	1,112.57	99.05	502.00	822.04	982.58	336.00	634.64	5.62	4,494.51
55 mph	642.14	57.16	289.80	474.79	568.24	194.30	329.84	2.92	2,559.20
60 mph	396.80	35.37	179.44	294.36	354.73	121.29	24,012.83	212.32	25,607.15
65 mph	135.49	12.10	61.40	100.92	121.83	41.64	-	-	473.39
70 mph	6,312.37	564.57	2,852.16	4,752.71	5,686.03	1,936.33	-	-	22,104.17
total	13,336.29	1,190.17	6,023.79	9,942.18	11,906.39	4,063.88	34,105.65	302.19	80,870.54

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	403.76	140.16	544.37	9.57	1,097.85
15 mph	3,186.41	283.69	1,437.68	520.95	544.08	186.05	496.32	4.42	6,659.59
25 mph	-	-	-	-	734.39	251.15	1,543.32	13.79	2,542.66
35 mph	8,024.23	714.88	3,624.80	1,211.24	-	-	-	-	13,575.15
total	11,210.64	998.57	5,062.47	1,732.19	1,682.23	577.35	2,584.01	27.78	23,875.25

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	403.76	140.16	544.37	9.57	1,097.85
10 mph	3,371.72	300.23	1,521.89	1,287.97	1,293.01	442.46	1,102.07	9.78	9,329.14
15 mph	4,415.08	393.08	1,992.04	1,034.46	1,078.50	368.79	796.90	7.09	10,085.94
20 mph	1,868.74	166.38	843.14	725.47	733.62	250.92	1,399.27	12.50	6,000.04
25 mph	7,539.45	671.44	3,403.07	2,774.10	3,472.12	1,187.41	5,240.57	46.82	24,334.98
30 mph	7,599.57	676.93	3,431.67	2,888.80	2,885.16	986.76	3,950.52	35.25	22,454.66
35 mph	14,496.34	1,291.48	6,548.45	3,929.03	2,814.58	962.83	2,696.94	24.02	32,763.67
40 mph	2,926.03	260.68	1,321.72	1,495.76	1,647.92	563.76	2,541.24	22.61	10,779.72
45 mph	2,411.36	214.72	1,088.51	1,222.27	1,342.95	459.43	1,918.42	17.01	8,674.67
50 mph	2,607.25	232.12	1,176.42	1,350.84	1,491.70	510.10	1,778.78	15.75	9,162.97
55 mph	1,884.42	167.75	850.43	914.59	992.23	339.28	604.29	5.35	5,758.34
60 mph	2,955.59	263.43	1,336.56	1,203.26	1,237.00	422.96	24,298.26	214.85	31,931.92
65 mph	463.13	41.35	209.89	217.78	235.47	80.48	-	-	1,248.10
70 mph	6,312.37	564.57	2,852.16	4,752.71	5,686.03	1,936.33	-	-	22,104.17
total	58,851.05	5,244.16	26,575.96	23,797.04	25,314.06	8,651.66	46,871.64	420.60	195,726.17

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	28.66	0.08	11.68	31.30	629.30	479.76	3,819.65	11,226.06	16,226.50
15 mph	9.43	0.03	3.88	10.61	163.78	127.29	1,001.75	2,772.30	4,089.06
20 mph	15.47	0.05	6.37	17.62	279.55	217.41	1,711.04	4,639.21	6,886.71
25 mph	64.86	0.19	26.70	74.61	1,239.52	968.61	8,213.49	21,615.23	32,203.21
30 mph	61.81	0.18	25.40	71.01	1,239.58	961.99	6,556.84	17,228.69	26,145.49
35 mph	45.74	0.13	18.75	52.84	1,016.31	788.68	2,635.93	7,053.61	11,611.99
40 mph	14.27	0.04	5.83	16.48	329.88	253.58	2,684.02	7,155.79	10,459.90
45 mph	11.49	0.03	4.69	13.22	268.27	203.23	2,035.08	5,414.78	7,950.77
50 mph	11.52	0.03	4.69	13.30	281.46	210.91	3,262.96	8,550.78	12,335.65
55 mph	9.64	0.03	3.92	11.22	235.04	174.44	774.65	2,042.33	3,251.28
60 mph	20.91	0.06	8.50	24.31	474.54	349.95	827.43	2,165.41	3,871.11
65 mph	2.94	0.01	1.19	3.42	60.24	43.98	-	-	111.78
70 mph	-	-	-	-	-	-	-	-	-
total	296.75	0.85	121.62	339.93	6,217.47	4,779.82	33,522.84	89,864.17	135,143.44

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	2.37	0.01	0.97	5.41	134.94	102.88	-	-	246.57
15 mph	1.95	0.01	0.80	4.58	87.80	68.24	-	-	163.38
20 mph	1.60	0.00	0.66	3.80	74.93	58.27	3,084.59	8,363.35	11,587.21
25 mph	2.68	0.01	1.10	6.44	132.90	103.85	4,711.28	12,398.57	17,356.84
30 mph	4.65	0.01	1.91	11.15	241.64	187.53	7,092.21	18,635.44	26,174.55
35 mph	9.46	0.03	3.88	22.82	544.83	422.80	6,335.91	16,954.56	24,294.28
40 mph	9.83	0.03	4.02	23.73	589.49	453.14	5,322.49	14,190.13	20,592.86
45 mph	7.60	0.02	3.10	18.26	460.21	348.63	3,668.74	9,761.50	14,268.07
50 mph	8.58	0.02	3.49	20.67	543.19	407.03	1,809.94	4,743.06	7,535.99
55 mph	4.99	0.01	2.03	12.12	315.00	233.79	931.00	2,454.55	3,953.48
60 mph	3.24	0.01	1.32	7.87	190.79	140.70	69,610.82	182,172.64	252,127.39
65 mph	1.22	0.00	0.49	2.95	64.59	47.15	-	-	116.41
70 mph	60.90	0.16	24.28	148.28	3,035.15	2,216.76	-	-	5,485.53
total	119.06	0.33	48.05	288.08	6,415.47	4,790.79	102,566.99	269,673.80	383,902.57

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	299.96	329.77	1,411.71	2,354.91	4,396.36
15 mph	29.51	0.09	12.13	15.41	256.14	199.07	1,654.06	4,577.55	6,743.96
25 mph	-	-	-	-	368.15	287.69	5,395.13	14,198.23	20,249.19
35 mph	68.43	0.20	28.05	33.72	-	-	-	-	130.40
total	97.94	0.28	40.19	49.12	924.25	816.53	8,460.91	21,130.69	31,519.91

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	299.96	329.77	1,411.71	2,354.91	4,396.36
10 mph	31.03	0.09	12.65	36.71	764.25	582.64	3,819.65	11,226.06	16,473.07
15 mph	40.89	0.12	16.81	30.59	507.72	394.60	2,655.81	7,349.85	10,996.40
20 mph	17.07	0.05	7.03	21.42	354.48	275.68	4,795.63	13,002.56	18,473.92
25 mph	67.54	0.20	27.81	81.05	1,740.56	1,360.15	18,319.90	48,212.03	69,809.24
30 mph	66.46	0.19	27.31	82.16	1,481.23	1,149.52	13,649.05	35,864.13	52,320.04
35 mph	123.63	0.35	50.68	109.37	1,561.14	1,211.47	8,971.85	24,008.17	36,036.67
40 mph	24.10	0.07	9.85	40.21	919.37	706.73	8,006.51	21,345.91	31,052.76
45 mph	19.09	0.05	7.79	31.48	728.48	551.86	5,703.82	15,176.28	22,218.84
50 mph	20.10	0.06	8.19	33.96	824.66	617.94	5,072.89	13,293.84	19,871.64
55 mph	14.63	0.04	5.95	23.34	550.04	408.23	1,705.66	4,496.88	7,204.76
60 mph	24.16	0.07	9.82	32.18	665.33	490.65	70,438.25	184,338.05	255,998.50
65 mph	4.16	0.01	1.69	6.37	124.83	91.13	-	-	228.20
70 mph	60.90	0.16	24.28	148.28	3,035.15	2,216.76	-	-	5,485.53
total	513.75	1.46	209.85	677.13	13,557.19	10,387.13	144,550.74	380,668.66	550,565.92

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT)

Surface Street Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1,085.93	1,085.93
15 mph								303.74	303.74
20 mph								530.27	530.27
25 mph								2,687.31	2,687.31
30 mph								2,309.73	2,309.73
35 mph								991.91	991.91
40 mph								1,058.90	1,058.90
45 mph								818.08	818.08
50 mph								1,289.02	1,289.02
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	11,074.91	11,074.91

Freeway Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								955.95	955.95
25 mph								1,541.45	1,541.45
30 mph								2,498.33	2,498.33
35 mph								2,384.23	2,384.23
40 mph								2,099.84	2,099.84
45 mph								1,474.80	1,474.80
50 mph								715.01	715.01
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	7,379.96	7,379.96

Internal Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								151.12	151.12
15 mph								501.53	501.53
25 mph								1,765.19	1,765.19
35 mph								-	-
total	-	-	-	-	-	-	-	2,417.84	2,417.84

Total Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								151.12	151.12
10 mph								1,085.93	1,085.93
15 mph								805.28	805.28
20 mph								1,486.22	1,486.22
25 mph								5,993.96	5,993.96
30 mph								4,808.06	4,808.06
35 mph								3,376.14	3,376.14
40 mph								3,158.74	3,158.74
45 mph								2,292.88	2,292.88
50 mph								2,004.03	2,004.03
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	25,162.35	25,162.35

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	703.72	469.92	1,956.08	2,515.60	5,645.33
10 mph	3,402.75	300.32	1,534.54	1,324.67	2,057.26	1,025.10	4,921.73	12,321.77	26,888.14
15 mph	4,455.97	393.20	2,008.85	1,065.05	1,586.22	763.40	3,452.71	8,162.22	21,887.61
20 mph	1,885.81	166.43	850.17	746.90	1,088.09	526.60	6,194.91	14,501.27	25,960.17
25 mph	7,606.99	671.64	3,430.87	2,855.15	5,212.68	2,547.56	23,560.47	54,252.81	100,138.18
30 mph	7,666.03	677.12	3,458.98	2,970.96	4,366.38	2,136.28	17,599.57	40,707.44	79,582.76
35 mph	14,619.97	1,291.83	6,599.13	4,038.41	4,375.72	2,174.30	11,668.78	27,408.33	72,176.47
40 mph	2,950.13	260.75	1,331.57	1,535.97	2,567.30	1,270.49	10,547.75	24,527.26	44,991.22
45 mph	2,430.45	214.77	1,096.30	1,253.75	2,071.43	1,011.29	7,622.23	17,486.17	33,186.39
50 mph	2,627.36	232.18	1,184.61	1,384.80	2,316.36	1,128.04	6,851.67	15,313.62	31,038.64
55 mph	1,899.05	167.79	856.39	937.93	1,542.27	747.51	2,309.95	4,502.22	12,963.10
60 mph	2,979.75	263.50	1,346.38	1,235.44	1,902.33	913.61	94,736.51	184,552.90	287,930.42
65 mph	467.29	41.36	211.58	224.15	360.30	171.61	-	-	1,476.29
70 mph	6,373.27	564.74	2,876.44	4,900.98	8,721.18	4,153.09	-	-	27,589.70
STREX	234.97	21.02	108.69	292.94	24.20	8.20	22.84	0.21	713.06
total	59,599.78	5,266.64	26,894.50	24,767.10	38,895.45	19,046.99	191,445.21	406,251.83	**772,167.50**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	46.69	54.91	57.53	71.16	17.59	20.05	34.59	42.14
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	234.97	21.02	108.69	292.94	24.20	8.20	22.84	0.21
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	234.97	21.02	108.69	292.94	24.20	8.20	22.84	0.21

World Logistics Center
Mobile Emissions - 2030 (Net) - Unmitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
36.58	1,130.15	630.74	7.64	10.17	159.47	99.02	268.66	9.70	39.14	38.73	87.57	7.37	98.73	32.37	824,962.74

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
6.68	206.25	115.11	1.39	1.86	29.10	18.07	49.03	1.77	7.14	7.07	15.98	1.35	18.02	5.91	150,555.70

World Logistics Center
Mobile Emissions - 2030 (Net) - Unmitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	2,687.12	29.86	122.97	117,009.27	1,300.31	5,354.56
LDT1	204.59	0.04	4.91	8,908.74	1.54	213.74
LDT2	1,009.07	9.14	30.40	43,939.30	397.98	1,323.87
MDT	1,973.25	60.89	62.42	30,218.97	932.43	955.85
LHDT1	652.17	614.61	-	15,011.93	14,147.34	-
LHDT2	192.89	416.16	-	4,439.94	9,579.24	-
MHDT	313.90	1,812.32	-	13,963.20	80,617.38	-
HHDT	2.43	3,331.73	211.20	108.11	148,205.51	9,394.67

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	82,778.19	919.90	3,788.08	34,231.08	380.41	1,566.48
LDT1	6,302.48	1.09	151.21	2,606.25	0.45	62.53
LDT2	31,084.85	281.55	936.57	12,854.45	116.43	387.30
MDT	16,214.95	500.32	512.89	14,004.02	432.10	442.96
LHDT1	7,244.54	6,827.30	-	7,767.39	7,320.04	-
LHDT2	2,142.65	4,622.80	-	2,297.29	4,956.44	-
MHDT	3,031.85	17,504.56	-	10,931.35	63,112.82	-
HHDT	23.47	32,180.07	2,039.88	84.64	116,025.45	7,354.80

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	4,138.91	315.12	1,554.24	810.75	362.23	107.13	181.91	1.41	7,471.70
15 mph	1,655.56	126.05	621.70	324.30	144.89	42.85	60.64	0.47	2,976.46
20 mph	3,311.13	252.10	1,243.39	648.60	289.78	85.71	121.27	0.94	5,952.92
25 mph	16,555.64	1,260.50	6,216.97	3,242.99	1,448.91	428.53	667.01	5.16	29,825.70
30 mph	18,211.20	1,386.55	6,838.67	3,567.29	1,593.80	471.38	606.37	4.69	32,679.95
35 mph	14,900.07	1,134.45	5,595.27	2,918.69	1,304.02	385.68	272.87	2.11	26,513.16
40 mph	4,966.69	378.15	1,865.09	972.90	434.67	128.56	303.18	2.35	9,051.59
45 mph	4,138.91	315.12	1,554.24	810.75	362.23	107.13	242.55	1.88	7,532.81
50 mph	4,138.91	315.12	1,554.24	810.75	362.23	107.13	394.14	3.05	7,685.57
55 mph	3,311.13	252.10	1,243.39	648.60	289.78	85.71	90.96	0.70	5,922.37
60 mph	6,622.25	504.20	2,486.79	1,297.20	579.56	171.41	90.96	0.70	11,753.07
65 mph	827.78	63.02	310.85	162.15	72.45	21.43	-	-	1,457.68
70 mph	-	-	-	-	-	-	-	-	-
total	82,778.19	6,302.48	31,084.85	16,214.95	7,244.54	2,142.65	3,031.85	23.47	148,822.98

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	342.31	26.06	128.54	140.04	77.67	22.97	-	-	737.60
15 mph	342.31	26.06	128.54	140.04	77.67	22.97	-	-	737.60
20 mph	342.31	26.06	128.54	140.04	77.67	22.97	218.63	1.69	957.92
25 mph	684.62	52.13	257.09	280.08	155.35	45.95	382.60	2.96	1,860.77
30 mph	1,369.24	104.25	514.18	560.16	310.70	91.89	655.88	5.08	3,611.38
35 mph	3,080.80	234.56	1,156.90	1,260.36	699.07	206.76	655.88	5.08	7,299.40
40 mph	3,423.11	260.63	1,285.44	1,400.40	776.74	229.73	601.22	4.66	7,981.93
45 mph	2,738.49	208.50	1,028.36	1,120.32	621.39	183.78	437.25	3.39	6,341.48
50 mph	3,080.80	234.56	1,156.90	1,260.36	699.07	206.76	218.63	1.69	6,858.76
55 mph	1,711.55	130.31	642.72	700.20	388.37	114.86	109.31	0.85	3,798.18
60 mph	1,026.93	78.19	385.63	420.12	233.02	68.92	7,651.94	59.25	9,924.00
65 mph	342.31	26.06	128.54	140.04	77.67	22.97	-	-	737.60
70 mph	15,746.30	1,198.88	5,913.05	6,441.85	3,573.00	1,056.75	-	-	33,929.83
total	34,231.08	2,606.25	12,854.45	14,004.02	7,767.39	2,297.29	10,931.35	84.64	84,776.47

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	44.84	13.26	20.37	0.22	78.70
15 mph	4,263.99	324.65	1,601.21	470.68	225.14	66.59	99.31	0.77	7,052.33
25 mph	-	-	-	-	427.58	126.46	434.59	3.36	991.99
35 mph	18,346.37	1,396.84	6,889.43	1,860.97	-	-	-	-	28,493.61
total	22,610.36	1,721.49	8,490.64	2,331.65	652.71	193.05	533.90	4.13	36,537.93

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	44.84	13.26	20.37	0.22	78.70
10 mph	4,481.22	341.19	1,682.79	950.79	439.90	130.11	181.91	1.41	8,209.31
15 mph	6,261.87	476.76	2,351.45	935.02	447.70	132.41	159.95	1.24	10,766.40
20 mph	3,653.44	278.16	1,371.94	788.64	367.46	108.68	339.90	2.63	6,910.84
25 mph	17,240.26	1,312.62	6,474.06	3,523.07	2,031.83	600.94	1,484.19	11.49	32,678.46
30 mph	19,580.44	1,490.80	7,352.85	4,127.45	1,904.49	563.27	1,262.25	9.77	36,291.33
35 mph	36,327.24	2,765.85	13,641.60	6,040.03	2,003.08	592.43	928.75	7.19	62,306.17
40 mph	8,389.80	638.77	3,150.54	2,373.30	1,211.41	358.29	904.41	7.00	17,033.52
45 mph	6,877.40	523.62	2,582.60	1,931.07	983.62	290.92	679.80	5.26	13,874.29
50 mph	7,219.71	549.69	2,711.14	2,071.11	1,061.29	313.89	612.77	4.74	14,544.34
55 mph	5,022.68	382.41	1,886.12	1,348.80	678.15	200.57	200.27	1.55	9,720.55
60 mph	7,649.19	582.39	2,872.42	1,717.32	812.58	240.33	7,742.90	59.95	21,677.08
65 mph	1,170.09	89.09	439.39	302.19	150.12	44.40	-	-	2,195.28
70 mph	15,746.30	1,198.88	5,913.05	6,441.85	3,573.00	1,056.75	-	-	33,929.83
total	139,619.63	10,630.22	52,429.94	32,550.63	15,664.64	4,632.99	14,497.09	112.25	270,137.39

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	46.00	0.05	14.08	25.02	341.37	231.14	1,050.27	1,930.80	3,638.73
15 mph	18.40	0.02	5.63	10.01	136.55	92.46	350.09	643.60	1,256.75
20 mph	36.80	0.04	11.26	20.01	273.09	184.91	700.18	1,287.20	2,513.50
25 mph	183.98	0.22	56.31	100.06	1,365.46	924.56	3,851.00	7,079.62	13,561.21
30 mph	202.38	0.24	61.94	110.07	1,502.01	1,017.02	3,500.91	6,436.01	12,830.58
35 mph	165.58	0.20	50.68	90.06	1,228.91	832.10	1,575.41	2,896.21	6,839.15
40 mph	55.19	0.07	16.89	30.02	409.64	277.37	1,750.46	3,218.01	5,757.64
45 mph	46.00	0.05	14.08	25.02	341.37	231.14	1,400.37	2,574.41	4,632.42
50 mph	46.00	0.05	14.08	25.02	341.37	231.14	2,275.59	4,183.41	7,116.65
55 mph	36.80	0.04	11.26	20.01	273.09	184.91	525.14	965.40	2,016.66
60 mph	73.59	0.09	22.52	40.03	546.18	369.82	525.14	965.40	2,542.78
65 mph	9.20	0.01	2.82	5.00	68.27	46.23	-	-	131.53
70 mph	-	-	-	-	-	-	-	-	-
total	919.90	1.09	281.55	500.32	6,827.30	4,622.80	17,504.56	32,180.07	62,837.60

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	3.80	0.00	1.16	4.32	73.20	49.56	-	-	132.06
15 mph	3.80	0.00	1.16	4.32	73.20	49.56	-	-	132.06
20 mph	3.80	0.00	1.16	4.32	73.20	49.56	1,262.26	2,320.51	3,714.82
25 mph	7.61	0.01	2.33	8.64	146.40	99.13	2,208.95	4,060.89	6,533.96
30 mph	15.22	0.02	4.66	17.28	292.80	198.26	3,786.77	6,961.53	11,276.53
35 mph	34.24	0.04	10.48	38.89	658.80	446.08	3,786.77	6,961.53	11,936.82
40 mph	38.04	0.05	11.64	43.21	732.00	495.64	3,471.20	6,381.40	11,173.19
45 mph	30.43	0.04	9.31	34.57	585.60	396.52	2,524.51	4,641.02	8,222.00
50 mph	34.24	0.04	10.48	38.89	658.80	446.08	1,262.26	2,320.51	4,771.29
55 mph	19.02	0.02	5.82	21.61	366.00	247.82	631.13	1,160.25	2,451.68
60 mph	11.41	0.01	3.49	12.96	219.60	148.69	44,178.97	81,217.81	125,792.96
65 mph	3.80	0.00	1.16	4.32	73.20	49.56	-	-	132.06
70 mph	174.99	0.21	53.56	198.77	3,367.22	2,279.96	-	-	6,074.70
total	380.41	0.45	116.43	432.10	7,320.04	4,956.44	63,112.82	116,025.45	192,344.14

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	42.26	28.61	117.62	216.24	404.73
15 mph	47.39	0.06	14.50	14.52	212.17	143.66	573.38	1,054.10	2,059.78
25 mph	-	-	-	-	402.95	272.84	2,509.11	4,612.70	7,797.60
35 mph	203.88	0.24	62.40	57.42	-	-	-	-	323.94
total	251.27	0.30	76.90	71.94	615.12	416.50	3,082.49	5,666.80	10,181.32

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	42.26	28.61	117.62	216.24	404.73
10 mph	49.80	0.06	15.24	29.34	414.57	280.70	1,050.27	1,930.80	3,770.78
15 mph	69.59	0.08	21.30	28.85	421.92	285.68	923.48	1,697.70	3,448.59
20 mph	40.60	0.05	12.43	24.33	346.29	234.48	1,962.44	3,607.71	6,228.33
25 mph	191.59	0.23	58.64	108.71	1,914.81	1,296.53	8,569.06	15,753.20	27,892.77
30 mph	217.59	0.26	66.60	127.36	1,794.81	1,215.27	7,287.68	13,397.54	24,107.11
35 mph	403.70	0.48	123.56	186.37	1,887.72	1,278.18	5,362.18	9,857.73	19,099.92
40 mph	93.23	0.11	28.54	73.23	1,141.64	773.01	5,221.66	9,599.41	16,930.83
45 mph	76.43	0.09	23.39	59.58	926.97	627.66	3,924.88	7,215.42	12,854.42
50 mph	80.23	0.10	24.56	63.91	1,000.17	677.22	3,537.85	6,503.92	11,887.94
55 mph	55.82	0.07	17.08	41.62	639.09	432.73	1,156.27	2,125.66	4,468.33
60 mph	85.00	0.10	26.02	52.99	765.79	518.52	44,704.11	82,183.21	128,335.74
65 mph	13.00	0.02	3.98	9.32	141.47	95.79	-	-	263.59
70 mph	174.99	0.21	53.56	198.77	3,367.22	2,279.96	-	-	6,074.70
total	1,551.57	1.84	474.88	1,004.37	14,762.47	9,995.74	83,699.87	153,872.31	265,363.06

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	189.40	7.56	46.83	25.64	-	-	-	122.39	391.83
15 mph	75.76	3.02	18.73	10.26	-	-	-	40.80	148.57
20 mph	151.52	6.05	37.46	20.52	-	-	-	81.60	297.15
25 mph	757.62	30.24	187.31	102.58	-	-	-	448.77	1,526.52
30 mph	833.38	33.27	206.05	112.84	-	-	-	407.98	1,593.50
35 mph	681.85	27.22	168.58	92.32	-	-	-	183.59	1,153.57
40 mph	227.28	9.07	56.19	30.77	-	-	-	203.99	527.31
45 mph	189.40	7.56	46.83	25.64	-	-	-	163.19	432.63
50 mph	189.40	7.56	46.83	25.64	-	-	-	265.18	534.62
55 mph	151.52	6.05	37.46	20.52	-	-	-	61.20	276.75
60 mph	303.05	12.10	74.93	41.03	-	-	-	61.20	492.30
65 mph	37.88	1.51	9.37	5.13	-	-	-	-	53.89
70 mph	-	-	-	-	-	-	-	-	-
total	3,788.08	151.21	936.57	512.89	-	-	-	2,039.88	7,428.64

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	15.66	0.63	3.87	4.43	-	-	-	-	24.59
15 mph	15.66	0.63	3.87	4.43	-	-	-	-	24.59
20 mph	15.66	0.63	3.87	4.43	-	-	-	147.10	171.69
25 mph	31.33	1.25	7.75	8.86	-	-	-	257.42	306.60
30 mph	62.66	2.50	15.49	17.72	-	-	-	441.29	539.66
35 mph	140.98	5.63	34.86	39.87	-	-	-	441.29	662.62
40 mph	156.65	6.25	38.73	44.30	-	-	-	404.51	650.44
45 mph	125.32	5.00	30.98	35.44	-	-	-	294.19	490.93
50 mph	140.98	5.63	34.86	39.87	-	-	-	147.10	368.43
55 mph	78.32	3.13	19.36	22.15	-	-	-	73.55	196.51
60 mph	46.99	1.88	11.62	13.29	-	-	-	5,148.36	5,222.14
65 mph	15.66	0.63	3.87	4.43	-	-	-	-	24.59
70 mph	720.58	28.76	178.16	203.76	-	-	-	-	1,131.26
total	1,566.48	62.53	387.30	442.96	-	-	-	7,354.80	9,814.06

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	13.71	13.71
15 mph	195.13	7.79	48.24	14.89	-	-	-	66.82	332.87
25 mph	-	-	-	-	-	-	-	292.40	292.40
35 mph	839.56	33.51	207.58	58.86	-	-	-	-	1,139.52
total	1,034.69	41.30	255.82	73.75	-	-	-	359.22	1,764.78

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	13.71	13.71
10 mph	205.07	8.19	50.70	30.07	-	-	-	122.39	416.42
15 mph	286.55	11.44	70.85	29.58	-	-	-	107.62	506.03
20 mph	167.19	6.67	41.34	24.95	-	-	-	228.69	468.83
25 mph	788.95	31.49	195.06	111.44	-	-	-	998.59	2,125.52
30 mph	896.04	35.77	221.54	130.55	-	-	-	849.26	2,133.16
35 mph	1,662.40	66.36	411.01	191.05	-	-	-	624.88	2,955.70
40 mph	383.93	15.33	94.92	75.07	-	-	-	608.50	1,177.75
45 mph	314.72	12.56	77.81	61.08	-	-	-	457.38	923.56
50 mph	330.39	13.19	81.69	65.51	-	-	-	412.28	903.05
55 mph	229.85	9.18	56.83	42.66	-	-	-	134.74	473.26
60 mph	350.04	13.97	86.54	54.32	-	-	-	5,209.55	5,714.43
65 mph	53.55	2.14	13.24	9.56	-	-	-	-	78.48
70 mph	720.58	28.76	178.16	203.76	-	-	-	-	1,131.26
total	4,006.19	159.92	990.50	517.64	-	-	-	2,931.43	19,007.48

World Logistics Center
Mobile Emissions - 2030 (Net) - Unmitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	21244	330	0.21	4461.3	4221.2	46.9	193.2
	LDT1	15	1567	330	0.21	329.2	321.4	0.1	7.7
	LDT2	15	7844	330	0.21	1647.3	1585.1	14.4	47.8
	MDT	15	2363	330	0.21	496.3	467.1	14.4	14.8
	LHDT1	15	2076	330	0.21	436.1	224.5	211.6	0.0
	LHDT2	15	998	330	0.21	209.6	66.4	143.2	0.0
	MHDT	15	3179	330	0.21	667.6	98.6	569.0	0.0
	HHDT	15	5301	330	0.21	1113.1	0.8	1046.1	66.3
Travel at Light Logistics	LDA	15	153	175	0.11	16.8	15.9	0.2	0.7
	LDT1	15	11	175	0.11	1.2	1.2	0.0	0.0
	LDT2	15	56	175	0.11	6.2	6.0	0.1	0.2
	MDT	15	14	175	0.11	1.6	1.5	0.0	0.0
	LHDT1	15	8	175	0.11	0.9	0.5	0.4	0.0
	LHDT2	15	4	175	0.11	0.4	0.1	0.3	0.0
	MHDT	15	10	175	0.11	1.1	0.2	1.0	0.0
	HHDT	15	17	175	0.11	1.9	0.0	1.8	0.1
Travel at Utility	LDA	15	173	100	0.06	10.4	9.8	0.1	0.4
	LDT1	15	13	100	0.06	0.8	0.7	0.0	0.0
	LDT2	15	64	100	0.06	3.8	3.7	0.0	0.1
	MDT	15	37	100	0.06	2.2	2.1	0.1	0.1
	LHDT1	15	6	100	0.06	0.3	0.2	0.2	0.0
	LHDT2	15	3	100	0.06	0.2	0.1	0.1	0.0
	MHDT	15	11	100	0.06	0.6	0.1	0.5	0.0
	HHDT	15	18	100	0.06	1.1	0.0	1.0	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	112	50	0.03	3.4	0.5	2.9	0.0
	HHDT	15	187	50	0.03	5.6	0.0	5.3	0.3
Travel at Convenience Store	LDA	15	527	50	0.03	15.8	15.0	0.2	0.7
	LDT1	15	39	50	0.03	1.2	1.1	0.0	0.0
	LDT2	15	195	50	0.03	5.8	5.6	0.1	0.2
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	75	50	0.03	2.2	2.1	0.0	0.1
	LDT1	15	6	50	0.03	0.2	0.2	0.0	0.0
	LDT2	15	28	50	0.03	0.8	0.8	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	4264.0	324.6	1601.2	470.7	225.1	66.6	99.3	0.8
Diesel	47.4	0.1	14.5	14.5	212.2	143.7	573.4	1054.1
Electric/Natural Gas (HHDT Only)	195.1	7.8	48.2	14.9	0.0	0.0	0.0	66.8

World Logistics Center
Mobile Emissions - 2030 (Net) - Unmitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	1038	535	504	0	2672.5	2518.6	0.0
	LHDT2	5	499	158	341	0	790.4	1705.3	0.0
	MHDT	5	1589	235	1355	0	1173.3	6773.9	0.0
	HHDT	5	2650	2	2491	158	9.1	12453.0	789.4
Travel at Light Logistics	LHDT1	5	4	2	2	0	10.7	10.1	0.0
	LHDT2	5	2	1	1	0	3.2	6.8	0.0
	MHDT	5	5	1	4	0	3.8	21.9	0.0
	HHDT	5	9	0	8	1	0.0	40.3	2.6
Travel at Utility	LHDT1	5	3	1	1	0	7.2	6.8	0.0
	LHDT2	5	1	0	1	0	2.1	4.6	0.0
	MHDT	5	5	1	5	0	4.0	22.8	0.0
	HHDT	5	9	0	8	1	0.0	41.9	2.7
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	56	8	48	0	41.4	238.8	0.0
	HHDT	5	93	0	88	6	0.3	439.1	27.8
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	44.8	13.3	20.4	0.2
Diesel	42.3	28.6	117.6	216.2
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	13.7

World Logistics Center
Mobile Emissions - 2040 Buildout (Net Regional) - Mitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					14.6880	14.8548	27.1044	11.1728
10 mph	0.0188	0.0461	0.0341	0.0415	0.0485	0.0368	0.0903	1.4225
15 mph	0.0126	0.0313	0.0230	0.0280	0.0329	0.0247	0.0605	0.9437
20 mph	0.0088	0.0225	0.0163	0.0198	0.0240	0.0176	0.0428	0.6662
25 mph	0.0065	0.0168	0.0121	0.0147	0.0181	0.0131	0.0314	0.4937
30 mph	0.0050	0.0132	0.0094	0.0115	0.0143	0.0102	0.0242	0.3863
35 mph	0.0041	0.0109	0.0077	0.0094	0.0121	0.0085	0.0197	0.3195
40 mph	0.0036	0.0095	0.0067	0.0082	0.0107	0.0074	0.0172	0.2789
45 mph	0.0033	0.0087	0.0061	0.0075	0.0100	0.0068	0.0157	0.2563
50 mph	0.0032	0.0084	0.0059	0.0072	0.0098	0.0066	0.0152	0.2479
55 mph	0.0032	0.0084	0.0059	0.0073	0.0101	0.0068	0.0156	0.2531
60 mph	0.0034	0.0088	0.0062	0.0077	0.0108	0.0073	0.0167	0.2706
65 mph	0.0037	0.0096	0.0068	0.0085	0.0124	0.0082		
70 mph	0.0040	0.0113	0.0071	0.0092	0.0130	0.0079		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5180	2.3634
10 mph	0.0884	0.3414	0.1952	0.0944	0.5504	0.5526	0.0348	0.0817
15 mph	0.0444	0.2157	0.0956	0.0465	0.2779	0.2788	0.0193	0.0463
20 mph	0.0186	0.1402	0.0375	0.0186	0.1198	0.1197	0.0129	0.0289
25 mph	0.0117	0.1067	0.0226	0.0115	0.0764	0.0762	0.0101	0.0240
30 mph	0.0089	0.0879	0.0171	0.0088	0.0596	0.0593	0.0082	0.0194
35 mph	0.0072	0.0759	0.0136	0.0071	0.0493	0.0488	0.0067	0.0159
40 mph	0.0060	0.0686	0.0113	0.0059	0.0423	0.0417	0.0058	0.0137
45 mph	0.0053	0.0647	0.0096	0.0051	0.0375	0.0369	0.0053	0.0126
50 mph	0.0047	0.0639	0.0083	0.0045	0.0346	0.0339	0.0053	0.0126
55 mph	0.0043	0.0663	0.0074	0.0040	0.0324	0.0317	0.0058	0.0139
60 mph	0.0043	0.0718	0.0070	0.0039	0.0324	0.0316	0.0068	0.0161
65 mph	0.0044	0.0817	0.0070	0.0040	0.0361	0.0349		
70 mph	0.0046	0.0934	0.0072	0.0044	0.0548	0.0494		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0588
10 mph								0.4701
15 mph								0.2973
20 mph								0.1927
25 mph								0.1423
30 mph								0.1082
35 mph								0.0828
40 mph								0.0638
45 mph								0.0498
50 mph								0.0398
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1712	0.0320	0.1170	0.0742	0.0388	0.0087	0.0362	0.0044	0.4825
15 mph	0.0459	0.0087	0.0315	0.0200	0.0105	0.0023	0.0081	0.0010	0.1280
20 mph	0.0646	0.0125	0.0447	0.0284	0.0153	0.0033	0.0115	0.0014	0.1817
25 mph	0.2378	0.0467	0.1656	0.1053	0.0577	0.0124	0.0462	0.0056	0.6773
30 mph	0.2027	0.0404	0.1417	0.0904	0.0504	0.0106	0.0324	0.0040	0.5725
35 mph	0.1352	0.0273	0.0947	0.0607	0.0347	0.0072	0.0119	0.0015	0.3731
40 mph	0.0391	0.0079	0.0274	0.0176	0.0103	0.0021	0.0115	0.0014	0.1174
45 mph	0.0299	0.0061	0.0210	0.0135	0.0080	0.0016	0.0084	0.0011	0.0895
50 mph	0.0288	0.0058	0.0201	0.0130	0.0078	0.0016	0.0132	0.0017	0.0919
55 mph	0.0234	0.0047	0.0162	0.0105	0.0065	0.0013	0.0031	0.0004	0.0661
60 mph	0.0493	0.0098	0.0340	0.0220	0.0139	0.0027	0.0033	0.0004	0.1354
65 mph	0.0068	0.0013	0.0047	0.0030	0.0020	0.0004	-	-	0.0182
70 mph	-	-	-	-	-	-	-	-	-
total	1.0346	0.2032	0.7186	0.4585	0.2557	0.0543	0.1857	0.0229	2.9335

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0142	0.0026	0.0097	0.0128	0.0083	0.0019	-	-	0.0495
15 mph	0.0095	0.0018	0.0065	0.0086	0.0056	0.0013	-	-	0.0333
20 mph	0.0067	0.0013	0.0046	0.0061	0.0041	0.0009	0.0207	0.0025	0.0469
25 mph	0.0098	0.0019	0.0068	0.0091	0.0062	0.0013	0.0265	0.0032	0.0650
30 mph	0.0152	0.0030	0.0107	0.0142	0.0098	0.0021	0.0350	0.0043	0.0943
35 mph	0.0280	0.0056	0.0196	0.0262	0.0186	0.0039	0.0285	0.0036	0.1339
40 mph	0.0269	0.0055	0.0189	0.0253	0.0184	0.0038	0.0228	0.0029	0.1244
45 mph	0.0198	0.0040	0.0139	0.0186	0.0137	0.0028	0.0151	0.0019	0.0898
50 mph	0.0215	0.0043	0.0150	0.0201	0.0151	0.0030	0.0073	0.0009	0.0872
55 mph	0.0121	0.0024	0.0084	0.0113	0.0087	0.0017	0.0038	0.0005	0.0488
60 mph	0.0076	0.0015	0.0053	0.0071	0.0056	0.0011	0.2817	0.0354	0.3453
65 mph	0.0028	0.0006	0.0019	0.0026	0.0021	0.0004	-	-	0.0105
70 mph	0.1380	0.0299	0.0925	0.1312	0.1026	0.0184	-	-	0.5127
total	0.3121	0.0646	0.2137	0.2934	0.2188	0.0425	0.4414	0.0551	1.6417

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.4523	0.4344	1.2176	0.0054	3.1097
15 mph	0.1182	0.0224	0.0812	0.0290	0.0163	0.0036	0.0132	0.0016	0.2857
25 mph	-	-	-	-	0.0170	0.0037	0.0301	0.0037	0.0545
35 mph	0.1665	0.0336	0.1166	0.0387	-	-	-	-	0.3554
total	0.2847	0.0560	0.1978	0.0677	1.4856	0.4417	1.2609	0.0107	3.8052

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.4523	0.4344	1.2176	0.0054	3.1097
10 mph	0.1853	0.0347	0.1267	0.0871	0.0471	0.0105	0.0362	0.0044	0.5320
15 mph	0.1736	0.0329	0.1193	0.0576	0.0325	0.0072	0.0213	0.0026	0.4470
20 mph	0.0713	0.0138	0.0494	0.0345	0.0194	0.0042	0.0321	0.0039	0.2285
25 mph	0.2476	0.0487	0.1724	0.1144	0.0810	0.0174	0.1029	0.0125	0.7967
30 mph	0.2179	0.0434	0.1523	0.1045	0.0602	0.0127	0.0673	0.0083	0.6668
35 mph	0.3296	0.0666	0.2309	0.1255	0.0532	0.0110	0.0404	0.0051	0.8623
40 mph	0.0660	0.0134	0.0463	0.0429	0.0286	0.0059	0.0343	0.0043	0.2418
45 mph	0.0497	0.0101	0.0348	0.0320	0.0217	0.0044	0.0235	0.0030	0.1793
50 mph	0.0503	0.0102	0.0350	0.0331	0.0229	0.0046	0.0205	0.0026	0.1792
55 mph	0.0355	0.0071	0.0246	0.0218	0.0151	0.0030	0.0069	0.0009	0.1149
60 mph	0.0569	0.0113	0.0393	0.0292	0.0194	0.0038	0.2851	0.0358	0.4807
65 mph	0.0096	0.0019	0.0066	0.0057	0.0041	0.0008	-	-	0.0287
70 mph	0.1380	0.0299	0.0925	0.1312	0.1026	0.0184	-	-	0.5127
total	1.6314	0.3239	1.1301	0.8196	1.9602	0.5384	1.8881	0.0887	8.3804

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0090	0.0000	0.0061	0.0052	0.4143	0.2817	0.0806	0.3479	1.1448
15 mph	0.0018	0.0000	0.0012	0.0010	0.0837	0.0568	0.0149	0.0657	0.2252
20 mph	0.0015	0.0000	0.0009	0.0008	0.0721	0.0488	0.0200	0.0821	0.2263
25 mph	0.0047	0.0001	0.0028	0.0025	0.2301	0.1554	0.0859	0.3742	0.8557
30 mph	0.0040	0.0000	0.0023	0.0021	0.1974	0.1329	0.0631	0.2752	0.6771
35 mph	0.0026	0.0000	0.0015	0.0014	0.1336	0.0895	0.0234	0.1014	0.3535
40 mph	0.0007	0.0000	0.0004	0.0004	0.0382	0.0255	0.0223	0.0969	0.1845
45 mph	0.0005	0.0000	0.0003	0.0003	0.0282	0.0188	0.0163	0.0713	0.1358
50 mph	0.0005	0.0000	0.0003	0.0002	0.0260	0.0173	0.0267	0.1161	0.1870
55 mph	0.0004	0.0000	0.0002	0.0002	0.0195	0.0129	0.0067	0.0296	0.0695
60 mph	0.0007	0.0000	0.0003	0.0003	0.0390	0.0258	0.0079	0.0344	0.1085
65 mph	0.0001	0.0000	0.0000	0.0000	0.0054	0.0036	-	-	0.0092
70 mph	-	-	-	-	-	-	-	-	-
total	0.0265	0.0002	0.0164	0.0146	1.2877	0.8690	0.3678	1.5947	4.1771

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0005	0.0009	0.0888	0.0604	-	-	0.1514
15 mph	0.0004	0.0000	0.0002	0.0004	0.0449	0.0305	-	-	0.0764
20 mph	0.0002	0.0000	0.0001	0.0002	0.0193	0.0131	0.0360	0.1480	0.2168
25 mph	0.0002	0.0000	0.0001	0.0002	0.0247	0.0167	0.0493	0.2146	0.3058
30 mph	0.0003	0.0000	0.0002	0.0003	0.0385	0.0259	0.0683	0.2977	0.4311
35 mph	0.0005	0.0000	0.0003	0.0006	0.0716	0.0480	0.0562	0.2437	0.4209
40 mph	0.0005	0.0000	0.0003	0.0006	0.0683	0.0456	0.0442	0.1922	0.3517
45 mph	0.0004	0.0000	0.0002	0.0004	0.0484	0.0322	0.0295	0.1286	0.2397
50 mph	0.0004	0.0000	0.0002	0.0004	0.0502	0.0333	0.0148	0.0644	0.1637
55 mph	0.0002	0.0000	0.0001	0.0002	0.0261	0.0173	0.0081	0.0356	0.0876
60 mph	0.0001	0.0000	0.0001	0.0001	0.0157	0.0104	0.6610	2.8904	3.5777
65 mph	0.0000	0.0000	0.0000	0.0000	0.0058	0.0038	-	-	0.0097
70 mph	0.0018	0.0000	0.0008	0.0019	0.4070	0.2484	-	-	0.6600
total	0.0056	0.0001	0.0031	0.0063	0.9096	0.5856	0.9673	4.2151	6.6927

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2957	0.2002	0.1343	1.1269	1.7571
15 mph	0.0046	0.0000	0.0031	0.0015	0.1300	0.0883	0.0245	0.1076	0.3597
25 mph	-	-	-	-	0.0679	0.0459	0.0560	0.2438	0.4135
35 mph	0.0032	0.0000	0.0019	0.0009	-	-	-	-	0.0060
total	0.0079	0.0001	0.0049	0.0024	0.4936	0.3344	0.2148	1.4783	2.5363

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2957	0.2002	0.1343	1.1269	1.7571
10 mph	0.0097	0.0000	0.0066	0.0061	0.5032	0.3421	0.0806	0.3479	1.2961
15 mph	0.0068	0.0000	0.0045	0.0030	0.2586	0.1756	0.0394	0.1734	0.6612
20 mph	0.0017	0.0000	0.0010	0.0010	0.0915	0.0619	0.0560	0.2301	0.4431
25 mph	0.0049	0.0001	0.0029	0.0027	0.3226	0.2179	0.1912	0.8327	1.5750
30 mph	0.0043	0.0000	0.0025	0.0025	0.2359	0.1588	0.1314	0.5728	1.1083
35 mph	0.0064	0.0001	0.0037	0.0029	0.2052	0.1375	0.0796	0.3451	0.7804
40 mph	0.0012	0.0000	0.0007	0.0010	0.1066	0.0711	0.0665	0.2891	0.5362
45 mph	0.0009	0.0000	0.0005	0.0007	0.0767	0.0510	0.0458	0.2000	0.3756
50 mph	0.0008	0.0000	0.0005	0.0006	0.0763	0.0506	0.0415	0.1805	0.3507
55 mph	0.0005	0.0000	0.0003	0.0004	0.0457	0.0303	0.0148	0.0652	0.1571
60 mph	0.0008	0.0000	0.0004	0.0005	0.0547	0.0362	0.6689	2.9247	3.6862
65 mph	0.0001	0.0000	0.0001	0.0001	0.0113	0.0074	-	-	0.0189
70 mph	0.0018	0.0000	0.0008	0.0019	0.4070	0.2484	-	-	0.6600
total	0.0400	0.0004	0.0245	0.0232	2.6908	1.7890	1.5499	7.2882	13.4061

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1269	0.1269
15 mph								0.0267	0.0267
20 mph								0.0347	0.0347
25 mph								0.1408	0.1408
30 mph								0.0974	0.0974
35 mph								0.0335	0.0335
40 mph								0.0287	0.0287
45 mph								0.0179	0.0179
50 mph								0.0233	0.0233
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.5299	0.5299

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0625	0.0625
25 mph								0.0807	0.0807
30 mph								0.1053	0.1053
35 mph								0.0805	0.0805
40 mph								0.0569	0.0569
45 mph								0.0323	0.0323
50 mph								0.0129	0.0129
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.3291	0.3291

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0018	0.0018
15 mph								0.0438	0.0438
25 mph								0.0917	0.0917
35 mph								-	-
total	-	-	-	-	-	-	-	0.1373	0.1373

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0018	0.0018
10 mph								0.1269	0.1269
15 mph								0.0705	0.0705
20 mph								0.0972	0.0972
25 mph								0.3132	0.3132
30 mph								0.2027	0.2027
35 mph								0.1140	0.1140
40 mph								0.0856	0.0856
45 mph								0.0503	0.0503
50 mph								0.0362	0.0362
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.0984	1.0984

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2963	0.9056	0.5204	0.5710	0.9362	0.8484	0.5052	1.1157
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS + HOTSOAK Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.7554	0.4085	1.1579	2.4845	1.3462	0.3608	0.3496	0.0060
Electric/NG	-	-	-	-	-	-	-	-
Total	**1.7554**	**0.4085**	**1.1579**	**2.4845**	**1.3462**	**0.3608**	**0.3496**	**0.0060**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3203	0.6525	0.5441	0.6992	0.0683	0.0639	0.0527	0.0659
Electric/NG	0.0315	0.0313	0.0314	0.0314	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.9491	0.1472	0.6053	1.5212	0.0491	0.0136	0.0182	0.0002
Electric/NG	0.0043	0.0002	0.0011	0.0022	-	-	-	-
Total	0.9533	0.1473	0.6063	1.5234	0.0491	0.0136	0.0182	0.0002

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1312	0.1874	0.1873	0.2246	0.0769	0.0767	0.1661	0.0014
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.7773	0.0845	0.4167	0.9771	0.1105	0.0326	0.1149	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.7773	0.0845	0.4167	0.9771	0.1105	0.0326	0.1149	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.7479	0.6346	1.3519	1.1341	4.8686
10 mph	0.1951	0.0347	0.1332	0.0932	0.5502	0.3526	0.1168	0.4792	1.9550
15 mph	0.1804	0.0329	0.1238	0.0606	0.2910	0.1828	0.0607	0.2465	1.1788
20 mph	0.0729	0.0138	0.0504	0.0355	0.1109	0.0661	0.0881	0.3311	0.7689
25 mph	0.2526	0.0487	0.1754	0.1171	0.4036	0.2353	0.2940	1.1584	2.6850
30 mph	0.2222	0.0435	0.1549	0.1070	0.2961	0.1716	0.1988	0.7839	1.9778
35 mph	0.3360	0.0667	0.2346	0.1284	0.2584	0.1486	0.1200	0.4641	1.7568
40 mph	0.0673	0.0134	0.0470	0.0438	0.1352	0.0770	0.1008	0.3790	0.8636
45 mph	0.0506	0.0101	0.0353	0.0327	0.0984	0.0554	0.0693	0.2532	0.6051
50 mph	0.0511	0.0102	0.0355	0.0337	0.0992	0.0551	0.0619	0.2193	0.5661
55 mph	0.0360	0.0071	0.0249	0.0222	0.0608	0.0332	0.0217	0.0660	0.2720
60 mph	0.0577	0.0113	0.0397	0.0296	0.0742	0.0400	0.9539	2.9605	4.1669
65 mph	0.0098	0.0019	0.0067	0.0057	0.0154	0.0082	-	-	0.0476
70 mph	0.1398	0.0300	0.0933	0.1331	0.5097	0.2669	-	-	1.1727
RL+HS	1.7554	0.4085	1.1579	2.4845	1.3462	0.3608	0.3496	0.0060	7.8691
RL+DIURN	0.9533	0.1473	0.6063	1.5234	0.0491	0.0136	0.0182	0.0002	3.3114
STREX	0.7773	0.0845	0.4167	0.9771	0.1105	0.0326	0.1149	0.0000	2.5137
total	5.1574	0.9647	3.3355	5.8278	6.1569	2.7345	3.9208	8.4815	**36.5791**

World Logistics Center
Mobile Emissions - 2030 (Net) - Unmitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.2806	1.2944	2.4071	27.3278
10 mph	0.0357	0.0818	0.0651	0.0776	0.1372	0.1480	0.2773	4.8202
15 mph	0.0314	0.0706	0.0567	0.0676	0.1208	0.1297	0.2462	4.2602
20 mph	0.0282	0.0626	0.0506	0.0603	0.1112	0.1178	0.2230	3.8641
25 mph	0.0256	0.0563	0.0456	0.0545	0.1025	0.1075	0.2020	3.5463
30 mph	0.0236	0.0518	0.0419	0.0503	0.0967	0.1003	0.1853	3.3145
35 mph	0.0222	0.0486	0.0391	0.0473	0.0929	0.0951	0.1732	3.1491
40 mph	0.0212	0.0465	0.0373	0.0452	0.0900	0.0913	0.1658	3.0291
45 mph	0.0205	0.0454	0.0363	0.0439	0.0883	0.0887	0.1599	2.9535
50 mph	0.0203	0.0455	0.0360	0.0437	0.0884	0.0877	0.1580	2.9287
55 mph	0.0206	0.0469	0.0368	0.0448	0.0904	0.0892	0.1607	2.9719
60 mph	0.0214	0.0498	0.0387	0.0471	0.0937	0.0926	0.1664	3.0691
65 mph	0.0224	0.0533	0.0407	0.0497	0.0989	0.0971		
70 mph	0.0232	0.0598	0.0414	0.0530	0.1108	0.0985		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					40.2746	40.7437	33.3390	28.7124
10 mph	0.0658	0.4625	0.1262	0.0668	0.6232	0.6127	5.1915	11.5415
15 mph	0.0478	0.4553	0.0852	0.0465	0.5187	0.5144	3.6463	7.6714
20 mph	0.0353	0.4554	0.0570	0.0327	0.5003	0.4897	2.8964	5.3612
25 mph	0.0296	0.4612	0.0439	0.0267	0.4908	0.4779	2.2632	4.4914
30 mph	0.0267	0.4697	0.0371	0.0237	0.5108	0.4925	1.6970	3.3732
35 mph	0.0247	0.4771	0.0326	0.0220	0.5488	0.5208	1.2451	2.5643
40 mph	0.0235	0.4923	0.0294	0.0207	0.5808	0.5463	0.9078	1.8835
45 mph	0.0230	0.5111	0.0270	0.0198	0.6047	0.5670	0.6855	1.4379
50 mph	0.0227	0.5269	0.0252	0.0193	0.6392	0.5977	0.5815	1.1816
55 mph	0.0224	0.5492	0.0238	0.0188	0.6467	0.6076	0.5935	1.2128
60 mph	0.0227	0.5705	0.0233	0.0188	0.6581	0.6176	0.7209	1.4520
65 mph	0.0228	0.5778	0.0235	0.0196	0.7398	0.6881		
70 mph	0.0241	0.5384	0.0250	0.0234	1.3840	1.1822		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								31.9450
10 mph								2.8188
15 mph								2.0860
20 mph								1.6209
25 mph								1.3772
30 mph								1.2317
35 mph								1.1271
40 mph								1.0493
45 mph								0.9909
50 mph								0.9480
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.3255	0.0569	0.2231	0.1388	0.1096	0.0350	0.1112	0.0150	1.0150
15 mph	0.1145	0.0196	0.0778	0.0483	0.0386	0.0123	0.0329	0.0044	0.3485
20 mph	0.2055	0.0348	0.1387	0.0863	0.0711	0.0223	0.0596	0.0080	0.6263
25 mph	0.9333	0.1564	0.6249	0.3898	0.3276	0.1016	0.2970	0.0404	2.8711
30 mph	0.9493	0.1583	0.6318	0.3957	0.3398	0.1042	0.2477	0.0343	2.8612
35 mph	0.7293	0.1216	0.4830	0.3041	0.2671	0.0809	0.1042	0.0147	2.1048
40 mph	0.2320	0.0388	0.1536	0.0969	0.0863	0.0259	0.1109	0.0157	0.7599
45 mph	0.1874	0.0315	0.1244	0.0786	0.0705	0.0210	0.0855	0.0122	0.6110
50 mph	0.1852	0.0316	0.1233	0.0781	0.0706	0.0207	0.1374	0.0197	0.6665
55 mph	0.1502	0.0261	0.1010	0.0640	0.0578	0.0169	0.0322	0.0046	0.4527
60 mph	0.3128	0.0554	0.2124	0.1346	0.1198	0.0350	0.0334	0.0048	0.9081
65 mph	0.0408	0.0074	0.0279	0.0178	0.0158	0.0046	-	-	0.1143
70 mph	-	-	-	-	-	-	-	-	-
total	4.3658	0.7384	2.9218	1.8330	1.5745	0.4802	1.2520	0.1737	13.3395

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0269	0.0047	0.0185	0.0240	0.0235	0.0075	-	-	0.1050
15 mph	0.0237	0.0041	0.0161	0.0209	0.0207	0.0066	-	-	0.0919
20 mph	0.0212	0.0036	0.0143	0.0186	0.0191	0.0060	0.1075	0.0144	0.2047
25 mph	0.0386	0.0065	0.0258	0.0337	0.0351	0.0109	0.1704	0.0232	0.3441
30 mph	0.0714	0.0119	0.0475	0.0621	0.0662	0.0203	0.2680	0.0371	0.5846
35 mph	0.1508	0.0251	0.0999	0.1313	0.1432	0.0434	0.2504	0.0353	0.8793
40 mph	0.1599	0.0267	0.1058	0.1395	0.1542	0.0462	0.2198	0.0311	0.8833
45 mph	0.1240	0.0209	0.0823	0.1085	0.1210	0.0360	0.1541	0.0220	0.6688
50 mph	0.1378	0.0235	0.0917	0.1215	0.1362	0.0400	0.0762	0.0109	0.6379
55 mph	0.0776	0.0135	0.0522	0.0691	0.0774	0.0226	0.0387	0.0055	0.3567
60 mph	0.0485	0.0086	0.0329	0.0436	0.0482	0.0141	2.8072	0.4009	3.4040
65 mph	0.0169	0.0031	0.0115	0.0154	0.0169	0.0049	-	-	0.0687
70 mph	0.8049	0.1582	0.5396	0.7522	0.8729	0.2296	-	-	3.3574
total	1.7022	0.3103	1.1382	1.5404	1.7346	0.4879	4.0923	0.5805	11.5865

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1266	0.0379	0.1081	0.0133	0.2859
15 mph	0.2950	0.0506	0.2004	0.0701	0.0600	0.0190	0.0539	0.0072	0.7562
25 mph	-	-	-	-	0.0967	0.0300	0.1935	0.0263	0.3465
35 mph	0.8980	0.1497	0.5947	0.1939	-	-	-	-	1.8363
total	1.1930	0.2003	0.7950	0.2640	0.2833	0.0869	0.3556	0.0468	3.2249

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1266	0.0379	0.1081	0.0133	0.2859
10 mph	0.3525	0.0616	0.2415	0.1627	0.1331	0.0424	0.1112	0.0150	1.1200
15 mph	0.4332	0.0742	0.2942	0.1393	0.1193	0.0379	0.0868	0.0116	1.1966
20 mph	0.2268	0.0384	0.1531	0.1049	0.0901	0.0282	0.1671	0.0224	0.8310
25 mph	0.9719	0.1629	0.6508	0.4235	0.4594	0.1425	0.6609	0.0899	3.5618
30 mph	1.0207	0.1702	0.6793	0.4578	0.4061	0.1245	0.5157	0.0714	3.4458
35 mph	1.7781	0.2965	1.1775	0.6293	0.4102	0.1243	0.3546	0.0499	4.8203
40 mph	0.3918	0.0655	0.2594	0.2364	0.2405	0.0721	0.3307	0.0468	1.6432
45 mph	0.3113	0.0524	0.2066	0.1871	0.1915	0.0569	0.2396	0.0343	1.2798
50 mph	0.3230	0.0551	0.2150	0.1996	0.2068	0.0607	0.2135	0.0306	1.3044
55 mph	0.2278	0.0396	0.1532	0.1331	0.1352	0.0394	0.0710	0.0102	0.8094
60 mph	0.3613	0.0640	0.2454	0.1782	0.1679	0.0491	2.8406	0.4057	4.3121
65 mph	0.0577	0.0105	0.0394	0.0331	0.0327	0.0095	-	-	0.1831
70 mph	0.8049	0.1582	0.5396	0.7522	0.8729	0.2296	-	-	3.3574
total	7.2610	1.2490	4.8551	3.6374	3.5924	1.0550	5.6999	0.8011	28.1508

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0067	0.0001	0.0039	0.0037	0.4691	0.3123	12.0227	49.1371	61.9555
15 mph	0.0019	0.0000	0.0011	0.0010	0.1562	0.1049	2.8148	10.8868	13.9667
20 mph	0.0029	0.0000	0.0014	0.0014	0.3013	0.1997	4.4718	15.2166	20.1951
25 mph	0.0120	0.0002	0.0055	0.0059	1.4776	0.9744	19.2183	70.1136	91.8075
30 mph	0.0119	0.0002	0.0051	0.0058	1.6919	1.1045	13.1001	47.8710	63.7905
35 mph	0.0090	0.0002	0.0036	0.0044	1.4872	0.9556	4.3253	16.3757	23.1610
40 mph	0.0029	0.0001	0.0011	0.0014	0.5246	0.3341	3.5039	13.3650	17.7331
45 mph	0.0023	0.0001	0.0008	0.0011	0.4552	0.2890	2.1166	8.1625	11.0276
50 mph	0.0023	0.0001	0.0008	0.0011	0.4811	0.3046	2.9180	10.8994	14.6074
55 mph	0.0018	0.0001	0.0006	0.0008	0.3894	0.2477	0.6872	2.5816	3.9093
60 mph	0.0037	0.0001	0.0012	0.0017	0.7925	0.5036	0.8347	3.0909	5.2283
65 mph	0.0005	0.0000	0.0001	0.0002	0.1114	0.0701	-	-	0.1823
70 mph	-	-	-	-	-	-	-	-	-
total	0.0579	0.0012	0.0252	0.0284	8.3375	5.4006	66.0134	247.7003	327.5643

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0003	0.0006	0.1006	0.0670	-	-	0.1691
15 mph	0.0004	0.0000	0.0002	0.0004	0.0837	0.0562	-	-	0.1410
20 mph	0.0003	0.0000	0.0001	0.0003	0.0808	0.0535	8.0615	27.4318	35.6283
25 mph	0.0005	0.0000	0.0002	0.0005	0.1584	0.1045	11.0237	40.2174	51.5052
30 mph	0.0009	0.0000	0.0004	0.0009	0.3298	0.2153	14.1697	51.7798	66.4968
35 mph	0.0019	0.0000	0.0008	0.0019	0.7973	0.5123	10.3966	39.3618	51.0725
40 mph	0.0020	0.0000	0.0008	0.0020	0.9375	0.5971	6.9484	26.5032	34.9909
45 mph	0.0015	0.0000	0.0006	0.0015	0.7808	0.4958	3.8157	14.7151	19.8110
50 mph	0.0017	0.0000	0.0006	0.0017	0.9285	0.5879	1.6186	6.0459	9.1849
55 mph	0.0009	0.0000	0.0003	0.0009	0.5219	0.3320	0.8259	3.1027	4.7847
60 mph	0.0006	0.0000	0.0002	0.0005	0.3186	0.2025	70.2261	260.0288	330.7774
65 mph	0.0002	0.0000	0.0001	0.0002	0.1194	0.0752	-	-	0.1951
70 mph	0.0093	0.0002	0.0029	0.0103	10.2758	5.9434	-	-	16.2419
total	0.0207	0.0005	0.0074	0.0217	15.4332	9.2426	127.0862	469.1864	620.9987

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.7528	2.5706	8.6468	13.6902	28.6605
15 mph	0.0050	0.0001	0.0027	0.0015	0.2427	0.1630	4.6101	17.8306	22.8556
25 mph	-	-	-	-	0.4361	0.2875	12.5216	45.6822	58.9274
35 mph	0.0111	0.0003	0.0045	0.0028	-	-	-	-	0.0186
total	0.0161	0.0003	0.0072	0.0043	4.4315	3.0211	25.7785	77.2030	110.4621

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.7528	2.5706	8.6468	13.6902	28.6605
10 mph	0.0072	0.0001	0.0042	0.0043	0.5697	0.3792	12.0227	49.1371	62.1246
15 mph	0.0073	0.0001	0.0040	0.0030	0.4826	0.3241	7.4249	28.7174	36.9633
20 mph	0.0032	0.0000	0.0016	0.0018	0.3821	0.2532	12.5333	42.6484	55.8234
25 mph	0.0125	0.0002	0.0057	0.0064	2.0721	1.3664	42.7636	156.0132	202.2401
30 mph	0.0128	0.0003	0.0054	0.0067	2.0217	1.3198	27.2698	99.6508	130.2873
35 mph	0.0220	0.0005	0.0089	0.0091	2.2844	1.4679	14.7218	55.7376	74.2522
40 mph	0.0048	0.0001	0.0018	0.0033	1.4622	0.9312	10.4523	39.8682	52.7240
45 mph	0.0039	0.0001	0.0014	0.0026	1.2360	0.7847	5.9323	22.8776	30.8386
50 mph	0.0040	0.0001	0.0014	0.0027	1.4096	0.8926	4.5365	16.9453	23.7923
55 mph	0.0028	0.0001	0.0009	0.0017	0.9113	0.5797	1.5131	5.6843	8.6939
60 mph	0.0042	0.0001	0.0013	0.0022	1.1112	0.7061	71.0609	263.1197	336.0057
65 mph	0.0007	0.0000	0.0002	0.0004	0.2308	0.1453	-	-	0.3774
70 mph	0.0093	0.0002	0.0029	0.0103	10.2758	5.9434	-	-	16.2419
total	0.0947	0.0020	0.0398	0.0544	28.2022	17.6643	218.8782	794.0897	1,059.0252

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.7607	0.7607
15 mph								0.1877	0.1877
20 mph								0.2916	0.2916
25 mph								1.3628	1.3628
30 mph								1.1081	1.1081
35 mph								0.4563	0.4563
40 mph								0.4720	0.4720
45 mph								0.3566	0.3566
50 mph								0.5543	0.5543
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.5500	5.5500

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.5257	0.5257
25 mph								0.7817	0.7817
30 mph								1.1985	1.1985
35 mph								1.0967	1.0967
40 mph								0.9359	0.9359
45 mph								0.6428	0.6428
50 mph								0.3075	0.3075
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.6027	3.6027

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.9655	0.9655
15 mph								0.3073	0.3073
25 mph								0.8879	0.8879
35 mph								-	-
total	-	-	-	-	-	-	-	2.1608	2.1608

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.9655	0.9655
10 mph								0.7607	0.7607
15 mph								0.4950	0.4950
20 mph								0.8174	0.8174
25 mph								3.0324	3.0324
30 mph								2.3066	2.3066
35 mph								1.5530	1.5530
40 mph								1.4079	1.4079
45 mph								0.9994	0.9994
50 mph								0.8618	0.8618
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	13.1997	13.1997

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.8794	2.6085	8.7550	14.6690	29.9119
10 mph	0.3597	0.0616	0.2458	0.1670	0.7028	0.4217	12.1340	49.9128	64.0053
15 mph	0.4406	0.0743	0.2982	0.1422	0.6019	0.3619	7.5117	29.2240	38.6549
20 mph	0.2299	0.0385	0.1546	0.1067	0.4722	0.2814	12.7004	43.4882	57.4718
25 mph	0.9844	0.1631	0.6564	0.4299	2.5315	1.5089	43.4245	159.1355	208.8343
30 mph	1.0335	0.1705	0.6848	0.4645	2.4278	1.4444	27.7855	102.0288	136.0397
35 mph	1.8000	0.2970	1.1864	0.6384	2.6946	1.5922	15.0764	57.3405	80.6255
40 mph	0.3967	0.0656	0.2613	0.2398	1.7026	1.0034	10.7830	41.3228	55.7751
45 mph	0.3152	0.0525	0.2080	0.1897	1.4275	0.8417	6.1720	23.9112	33.1178
50 mph	0.3270	0.0552	0.2164	0.2024	1.6164	0.9533	4.7501	17.8377	25.9584
55 mph	0.2305	0.0396	0.1541	0.1348	1.0465	0.6192	1.5841	5.6945	9.5033
60 mph	0.3656	0.0641	0.2467	0.1804	1.2791	0.7551	73.9014	263.5254	340.3178
65 mph	0.0584	0.0105	0.0397	0.0335	0.2635	0.1548	-	-	0.5605
70 mph	0.8142	0.1584	0.5425	0.7625	11.1487	6.1729	-	-	19.5993
STREX	0.8007	0.0768	0.3932	0.9021	0.5655	0.1728	8.8383	18.0205	29.7699
total	8.1564	1.3278	5.2880	4.5939	32.3601	18.8920	233.4164	826.1109	**1,130.1456**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1351	0.1703	0.1767	0.2073	0.3933	0.4062	0.3299	0.1787
Diesel	-	-	-	-	-	-	2.1546	2.4528
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.8007	0.0768	0.3932	0.9021	0.5655	0.1728	0.2283	0.0010
Diesel	-	-	-	-	-	-	8.6100	18.0196
Electric/NG	-	-	-	-	-	-	-	-
Total	0.8007	0.0768	0.3932	0.9021	0.5655	0.1728	8.8383	18.0205

World Logistics Center
Mobile Emissions - 2030 (Net) - Unmitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					154.7163	154.9115	387.2248	275.5741
10 mph	0.8018	1.2472	1.0695	1.1489	0.6645	0.4589	0.9081	50.0157
15 mph	0.7310	1.1221	0.9713	1.0410	0.5518	0.4027	0.8249	45.2473
20 mph	0.6690	1.0191	0.8868	0.9496	0.4810	0.3603	0.7570	41.2463
25 mph	0.6130	0.9271	0.8100	0.8674	0.4217	0.3228	0.6846	37.6863
30 mph	0.5633	0.8480	0.7423	0.7956	0.3782	0.2921	0.6191	34.5619
35 mph	0.5193	0.7805	0.6827	0.7332	0.3479	0.2678	0.5650	31.8563
40 mph	0.4815	0.7240	0.6328	0.6800	0.3277	0.2497	0.5258	29.5735
45 mph	0.4491	0.6759	0.5903	0.6346	0.3142	0.2349	0.4864	27.5326
50 mph	0.4188	0.6340	0.5504	0.5932	0.3076	0.2225	0.4555	25.7345
55 mph	0.3896	0.5942	0.5132	0.5541	0.3113	0.2155	0.4324	24.1778
60 mph	0.3572	0.5499	0.4717	0.5108	0.3218	0.2113	0.4099	22.7680
65 mph	0.3305	0.5156	0.4375	0.4757	0.3530	0.2152		
70 mph	0.3210	0.5316	0.4228	0.4672	0.3558	0.1871		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	20.6287	34.7243
10 mph	2.1477	2.3601	1.9009	2.3440	2.3336	2.3648	0.4885	1.3200
15 mph	1.0537	1.4121	0.9295	1.1453	1.1798	1.1929	0.2650	0.7259
20 mph	0.4172	0.8463	0.3630	0.4489	0.5178	0.5202	0.1772	0.4505
25 mph	0.2540	0.6394	0.2186	0.2719	0.3361	0.3363	0.1355	0.3598
30 mph	0.1933	0.5368	0.1654	0.2068	0.2674	0.2664	0.1041	0.2766
35 mph	0.1550	0.4755	0.1318	0.1659	0.2273	0.2249	0.0786	0.2077
40 mph	0.1291	0.4464	0.1090	0.1376	0.2016	0.1983	0.0590	0.1567
45 mph	0.1108	0.4420	0.0926	0.1173	0.1859	0.1818	0.0453	0.1209
50 mph	0.0978	0.4600	0.0805	0.1026	0.1805	0.1754	0.0376	0.1003
55 mph	0.0881	0.5083	0.0713	0.0914	0.1796	0.1739	0.0359	0.0967
60 mph	0.0857	0.5929	0.0678	0.0875	0.1926	0.1854	0.0400	0.1071
65 mph	0.0885	0.7243	0.0686	0.0899	0.2359	0.2246		
70 mph	0.0922	0.8068	0.0699	0.0963	0.4193	0.3711		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								33.5631
10 mph								35.3564
15 mph								24.8952
20 mph								18.0062
25 mph								13.1981
30 mph								9.7296
35 mph								7.1736
40 mph								5.2901
45 mph								3.9023
50 mph								2.8799
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	7.3175	0.8666	3.6654	2.0539	0.5307	0.1084	0.3642	0.1553	15.0621
15 mph	2.6686	0.3119	1.3315	0.7444	0.1763	0.0381	0.1103	0.0468	5.4278
20 mph	4.8847	0.5665	2.4313	1.3581	0.3074	0.0681	0.2024	0.0854	9.9039
25 mph	22.3774	2.5767	11.1035	6.2023	1.3472	0.3051	1.0069	0.4292	45.3482
30 mph	22.6184	2.5926	11.1930	6.2583	1.3292	0.3036	0.8278	0.3578	45.4805
35 mph	17.0611	1.9524	8.4223	4.7184	1.0005	0.2277	0.3399	0.1484	33.8708
40 mph	5.2730	0.6037	2.6026	1.4589	0.3141	0.0708	0.3515	0.1531	10.8277
45 mph	4.0987	0.4696	2.0229	1.1345	0.2510	0.0555	0.2602	0.1140	8.4064
50 mph	3.8217	0.4406	1.8864	1.0604	0.2457	0.0526	0.3959	0.1732	8.0763
55 mph	2.8448	0.3303	1.4070	0.7925	0.1989	0.0407	0.0867	0.0375	5.7384
60 mph	5.2165	0.6113	2.5865	1.4610	0.4113	0.0799	0.0822	0.0354	10.4841
65 mph	0.6033	0.0717	0.2999	0.1701	0.0564	0.0102	-	-	1.2115
70 mph	-	-	-	-	-	-	-	-	-
total	98.7857	11.3938	48.9523	27.4127	6.1685	1.3605	4.0281	1.7361	199.8376

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.6052	0.0717	0.3031	0.3548	0.1138	0.0232	-	-	1.4718
15 mph	0.5518	0.0645	0.2753	0.3214	0.0945	0.0204	-	-	1.3279
20 mph	0.5050	0.0586	0.2514	0.2932	0.0824	0.0183	0.3649	0.1540	1.7276
25 mph	0.9254	0.1066	0.4592	0.5357	0.1444	0.0327	0.5776	0.2462	3.0276
30 mph	1.7006	0.1949	0.8416	0.9827	0.2591	0.0592	0.8954	0.3870	5.3205
35 mph	3.5276	0.4037	1.7414	2.0375	0.5363	0.1221	0.8171	0.3567	9.5425
40 mph	3.6342	0.4161	1.7937	2.0999	0.5613	0.1265	0.6971	0.3036	9.6324
45 mph	2.7119	0.3107	1.3384	1.5677	0.4306	0.0952	0.4690	0.2055	7.1291
50 mph	2.8447	0.3279	1.4042	1.6484	0.4741	0.1014	0.2196	0.0961	7.1163
55 mph	1.4705	0.1707	0.7273	0.8555	0.2666	0.0546	0.1042	0.0451	3.6945
60 mph	0.8089	0.0948	0.4011	0.4732	0.1654	0.0321	6.9163	2.9744	11.8661
65 mph	0.2495	0.0296	0.1240	0.1469	0.0605	0.0109	-	-	0.6214
70 mph	11.1462	1.4052	5.5121	6.6368	2.8033	0.4359	-	-	27.9395
total	30.6814	3.6550	15.1728	17.9538	5.9923	1.1324	11.0611	4.7685	90.4173

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	15.2975	4.5301	17.3950	0.1340	37.3565
15 mph	6.8730	0.8032	3.4292	1.0804	0.2739	0.0591	0.1806	0.0767	12.7763
25 mph	-	-	-	-	0.3976	0.0900	0.6560	0.2796	1.4232
35 mph	21.0072	2.4040	10.3704	3.0085	-	-	-	-	36.7901
total	27.8803	3.2073	13.7996	4.0888	15.9690	4.6792	18.2317	0.4903	88.3462

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	15.2975	4.5301	17.3950	0.1340	37.3565
10 mph	7.9227	0.9383	3.9685	2.4087	0.6445	0.1316	0.3642	0.1553	16.5339
15 mph	10.0934	1.1796	5.0360	2.1462	0.5448	0.1176	0.2909	0.1236	19.5320
20 mph	5.3897	0.6251	2.6827	1.6513	0.3897	0.0863	0.5673	0.2393	11.6315
25 mph	23.3028	2.6832	11.5627	6.7380	1.8892	0.4278	2.2405	0.9549	49.7991
30 mph	24.3190	2.7875	12.0345	7.2411	1.5883	0.3628	1.7232	0.7448	50.8010
35 mph	41.5960	4.7602	20.5341	9.7644	1.5368	0.3498	1.1571	0.5051	80.2034
40 mph	8.9073	1.0198	4.3963	3.5588	0.8754	0.1973	1.0486	0.4566	20.4601
45 mph	6.8107	0.7803	3.3614	2.7022	0.6815	0.1507	0.7292	0.3195	15.5355
50 mph	6.6663	0.7685	3.2906	2.7088	0.7198	0.1540	0.6154	0.2692	15.1926
55 mph	4.3153	0.5011	2.1343	1.6480	0.4655	0.0953	0.1909	0.0827	9.4330
60 mph	6.0254	0.7061	2.9876	1.9342	0.5766	0.1120	6.9985	3.0097	22.3502
65 mph	0.8528	0.1013	0.4239	0.3170	0.1168	0.0211	-	-	1.8328
70 mph	11.1462	1.4052	5.5121	6.6368	2.8033	0.4359	-	-	27.9395
total	157.3474	18.2561	77.9246	49.4553	28.1297	7.1722	33.3209	6.9948	378.6011

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.2178	0.0003	0.0590	0.1293	1.7565	1.2052	1.1312	5.6198	10.1192
15 mph	0.0427	0.0001	0.0115	0.0253	0.3552	0.2432	0.2046	1.0302	1.9129
20 mph	0.0339	0.0001	0.0090	0.0198	0.3118	0.2121	0.2736	1.2786	2.1388
25 mph	0.1030	0.0003	0.0271	0.0600	1.0120	0.6857	1.1506	5.6159	8.6547
30 mph	0.0863	0.0003	0.0226	0.0502	0.8855	0.5975	0.8033	3.9249	6.3706
35 mph	0.0566	0.0002	0.0147	0.0329	0.6159	0.4127	0.2729	1.3264	2.7324
40 mph	0.0157	0.0001	0.0041	0.0091	0.1821	0.1213	0.2276	1.1121	1.6721
45 mph	0.0112	0.0001	0.0029	0.0065	0.1399	0.0927	0.1399	0.6863	1.0794
50 mph	0.0099	0.0001	0.0025	0.0057	0.1359	0.0894	0.1888	0.9248	1.3570
55 mph	0.0072	0.0000	0.0018	0.0040	0.1081	0.0709	0.0415	0.2059	0.4395
60 mph	0.0139	0.0001	0.0034	0.0077	0.2319	0.1512	0.0463	0.2281	0.6827
65 mph	0.0018	0.0000	0.0004	0.0010	0.0355	0.0229	-	-	0.0616
70 mph	-	-	-	-	-	-	-	-	-
total	0.6000	0.0016	0.1590	0.3515	5.7704	3.9048	4.4805	21.9530	37.2209

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0180	0.0000	0.0049	0.0223	0.3767	0.2584	-	-	0.6804
15 mph	0.0088	0.0000	0.0024	0.0109	0.1904	0.1304	-	-	0.3430
20 mph	0.0035	0.0000	0.0009	0.0043	0.0836	0.0568	0.4932	2.3050	2.9474
25 mph	0.0043	0.0000	0.0011	0.0052	0.1085	0.0735	0.6600	3.2213	4.0739
30 mph	0.0065	0.0000	0.0017	0.0079	0.1726	0.1165	0.8689	4.2454	5.4195
35 mph	0.0117	0.0000	0.0030	0.0142	0.3302	0.2212	0.6560	3.1881	4.4245
40 mph	0.0108	0.0000	0.0028	0.0131	0.3255	0.2167	0.4514	2.2054	3.2258
45 mph	0.0074	0.0000	0.0019	0.0089	0.2400	0.1589	0.2523	1.2372	1.9067
50 mph	0.0074	0.0000	0.0019	0.0088	0.2622	0.1726	0.1048	0.5130	1.0705
55 mph	0.0037	0.0000	0.0009	0.0044	0.1449	0.0950	0.0499	0.2475	0.5464
60 mph	0.0022	0.0000	0.0005	0.0025	0.0933	0.0608	3.8984	19.1880	23.2457
65 mph	0.0007	0.0000	0.0002	0.0009	0.0381	0.0246	-	-	0.0644
70 mph	0.0356	0.0004	0.0083	0.0422	3.1132	1.8655	-	-	5.0651
total	0.1206	0.0007	0.0305	0.1456	5.4791	3.4510	7.4349	36.3508	53.0132

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.4506	1.6593	5.3503	16.5567	26.0169
15 mph	0.1101	0.0002	0.0297	0.0367	0.5520	0.3779	0.3351	1.6873	3.1289
25 mph	-	-	-	-	0.2986	0.2023	0.7497	3.6590	4.9097
35 mph	0.0697	0.0003	0.0181	0.0210	-	-	-	-	0.1091
total	0.1798	0.0004	0.0479	0.0577	3.3012	2.2396	6.4351	21.9030	34.1646

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.4506	1.6593	5.3503	16.5567	26.0169
10 mph	0.2358	0.0003	0.0639	0.1516	2.1332	1.4637	1.1312	5.6198	10.7996
15 mph	0.1617	0.0003	0.0437	0.0729	1.0976	0.7514	0.5397	2.7175	5.3847
20 mph	0.0373	0.0001	0.0099	0.0241	0.3954	0.2689	0.7668	3.5836	5.0862
25 mph	0.1073	0.0003	0.0283	0.0652	1.4192	0.9615	2.5603	12.4962	17.6383
30 mph	0.0928	0.0003	0.0243	0.0581	1.0581	0.7140	1.6722	8.1703	11.7900
35 mph	0.1380	0.0005	0.0359	0.0682	0.9461	0.6339	0.9289	4.5145	7.2660
40 mph	0.0265	0.0001	0.0069	0.0222	0.5076	0.3380	0.6791	3.3175	4.8979
45 mph	0.0187	0.0001	0.0048	0.0154	0.3799	0.2516	0.3922	1.9235	2.9862
50 mph	0.0173	0.0001	0.0044	0.0145	0.3980	0.2620	0.2936	1.4377	2.4275
55 mph	0.0108	0.0001	0.0027	0.0084	0.2531	0.1660	0.0915	0.4534	0.9859
60 mph	0.0161	0.0001	0.0039	0.0102	0.3252	0.2120	3.9448	19.4161	23.9283
65 mph	0.0025	0.0000	0.0006	0.0018	0.0736	0.0475	-	-	0.1261
70 mph	0.0356	0.0004	0.0083	0.0422	3.1132	1.8655	-	-	5.0651
total	0.9005	0.0027	0.2374	0.5548	14.5508	9.5953	18.3505	80.2068	124.3987

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								9.5418	9.5418
15 mph								2.2395	2.2395
20 mph								3.2396	3.2396
25 mph								13.0602	13.0602
30 mph								8.7526	8.7526
35 mph								2.9040	2.9040
40 mph								2.3794	2.3794
45 mph								1.4042	1.4042
50 mph								1.6840	1.6840
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	45.2053	45.2053

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								5.8402	5.8402
25 mph								7.4913	7.4913
30 mph								9.4673	9.4673
35 mph								6.9802	6.9802
40 mph								4.7185	4.7185
45 mph								2.5314	2.5314
50 mph								0.9341	0.9341
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	29.7790	29.7790

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.0144	1.0144
15 mph								3.6679	3.6679
25 mph								8.5093	8.5093
35 mph								-	-
total	-	-	-	-	-	-	-	13.1917	13.1917

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.0144	1.0144
10 mph								9.5418	9.5418
15 mph								5.9075	5.9075
20 mph								9.0799	9.0799
25 mph								29.0608	29.0608
30 mph								18.2199	18.2199
35 mph								9.8841	9.8841
40 mph								7.0979	7.0979
45 mph								3.9356	3.9356
50 mph								2.6181	2.6181
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	96.3600	96.3600

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	17.7481	6.1894	22.7452	17.7051	64.3879
10 mph	8.1585	0.9386	4.0324	2.5603	2.7777	1.5953	1.4954	15.3170	36.8754
15 mph	10.2551	1.1798	5.0796	2.2190	1.6424	0.8690	0.8306	8.7485	30.8241
20 mph	5.4271	0.6252	2.6926	1.6754	0.7851	0.3553	1.3342	12.9028	25.7975
25 mph	23.4101	2.6836	11.5910	6.8031	3.3084	1.3893	4.8008	42.5119	96.4981
30 mph	24.4117	2.7878	12.0588	7.2991	2.6464	1.0768	3.3954	27.1350	80.8110
35 mph	41.7340	4.7607	20.5700	9.8326	2.4829	0.9837	2.0859	14.9037	97.3535
40 mph	8.9338	1.0199	4.4031	3.5810	1.3830	0.5353	1.7277	10.8720	32.4559
45 mph	6.8293	0.7804	3.3661	2.7176	1.0614	0.4023	1.1213	6.1786	22.4572
50 mph	6.6836	0.7686	3.2950	2.7233	1.1178	0.4159	0.9090	4.3250	20.2382
55 mph	4.3261	0.5011	2.1370	1.6564	0.7185	0.2613	0.2824	0.5361	10.4189
60 mph	6.0415	0.7063	2.9915	1.9445	0.9018	0.3240	10.9433	22.4258	46.2785
65 mph	0.8553	0.1013	0.4245	0.3188	0.1904	0.0685	-	-	1.9589
70 mph	11.1817	1.4056	5.5203	6.6790	5.9166	2.3014	-	-	33.0046
STREX	10.1835	0.8181	4.8821	10.3385	2.1662	0.6228	2.3432	0.0271	31.3814
total	168.4313	19.0769	83.0441	60.3486	44.8468	17.3903	54.0146	183.5886	**630.7412**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.7187	1.8134	2.1942	2.3761	1.5064	1.4643	3.3855	5.0514
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	10.1835	0.8181	4.8821	10.3385	2.1662	0.6228	2.3432	0.0271
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	10.1835	0.8181	4.8821	10.3385	2.1662	0.6228	2.3432	0.0271

World Logistics Center
Mobile Emissions - 2030 (Net) - Unmitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0522	0.0522	0.1319	0.2044
10 mph	0.0043	0.0050	0.0051	0.0063	0.0137	0.0158	0.0282	0.0333
15 mph	0.0035	0.0041	0.0042	0.0051	0.0112	0.0129	0.0231	0.0273
20 mph	0.0029	0.0034	0.0035	0.0043	0.0093	0.0107	0.0192	0.0227
25 mph	0.0025	0.0029	0.0030	0.0037	0.0080	0.0092	0.0164	0.0195
30 mph	0.0022	0.0026	0.0026	0.0032	0.0071	0.0081	0.0146	0.0173
35 mph	0.0020	0.0024	0.0024	0.0030	0.0065	0.0075	0.0135	0.0160
40 mph	0.0020	0.0023	0.0024	0.0029	0.0063	0.0073	0.0131	0.0155
45 mph	0.0020	0.0023	0.0024	0.0029	0.0064	0.0073	0.0131	0.0155
50 mph	0.0020	0.0024	0.0024	0.0030	0.0066	0.0075	0.0135	0.0159
55 mph	0.0021	0.0025	0.0025	0.0031	0.0068	0.0078	0.0141	0.0165
60 mph	0.0022	0.0026	0.0026	0.0032	0.0071	0.0082	0.0146	0.0172
65 mph	0.0022	0.0026	0.0027	0.0033	0.0073	0.0084		
70 mph	0.0023	0.0027	0.0027	0.0034	0.0074	0.0085		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0326	0.0527	0.0545	0.0491
10 mph	0.0034	0.0073	0.0046	0.0057	0.0085	0.0095	0.0165	0.0259
15 mph	0.0028	0.0061	0.0038	0.0049	0.0055	0.0063	0.0130	0.0193
20 mph	0.0023	0.0050	0.0031	0.0040	0.0047	0.0054	0.0111	0.0162
25 mph	0.0019	0.0042	0.0026	0.0034	0.0042	0.0048	0.0097	0.0137
30 mph	0.0017	0.0036	0.0023	0.0030	0.0038	0.0043	0.0085	0.0120
35 mph	0.0015	0.0032	0.0021	0.0027	0.0038	0.0043	0.0076	0.0109
40 mph	0.0014	0.0030	0.0019	0.0025	0.0037	0.0042	0.0069	0.0100
45 mph	0.0014	0.0029	0.0018	0.0024	0.0036	0.0040	0.0066	0.0094
50 mph	0.0014	0.0029	0.0018	0.0024	0.0038	0.0042	0.0065	0.0092
55 mph	0.0014	0.0030	0.0019	0.0026	0.0039	0.0043	0.0067	0.0095
60 mph	0.0016	0.0033	0.0021	0.0028	0.0040	0.0043	0.0071	0.0101
65 mph	0.0018	0.0036	0.0024	0.0031	0.0040	0.0043		
70 mph	0.0019	0.0038	0.0025	0.0034	0.0041	0.0044		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0389	0.0035	0.0175	0.0112	0.0109	0.0037	0.0113	0.0001	0.0971
15 mph	0.0127	0.0011	0.0057	0.0037	0.0036	0.0012	0.0031	0.0000	0.0311
20 mph	0.0211	0.0019	0.0095	0.0061	0.0059	0.0020	0.0051	0.0000	0.0518
25 mph	0.0904	0.0081	0.0406	0.0261	0.0254	0.0087	0.0241	0.0002	0.2236
30 mph	0.0882	0.0079	0.0397	0.0255	0.0248	0.0084	0.0195	0.0002	0.2143
35 mph	0.0670	0.0060	0.0301	0.0194	0.0188	0.0064	0.0081	0.0001	0.1559
40 mph	0.0216	0.0019	0.0097	0.0063	0.0061	0.0021	0.0087	0.0001	0.0565
45 mph	0.0181	0.0016	0.0081	0.0052	0.0051	0.0017	0.0070	0.0001	0.0470
50 mph	0.0187	0.0017	0.0084	0.0054	0.0052	0.0018	0.0117	0.0001	0.0530
55 mph	0.0155	0.0014	0.0070	0.0045	0.0044	0.0015	0.0028	0.0000	0.0370
60 mph	0.0319	0.0029	0.0144	0.0093	0.0091	0.0031	0.0029	0.0000	0.0736
65 mph	0.0041	0.0004	0.0018	0.0012	0.0012	0.0004	-	-	0.0091
70 mph	-	-	-	-	-	-	-	-	-
total	0.4282	0.0382	0.1926	0.1239	0.1205	0.0410	0.1046	0.0010	1.0501

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0032	0.0003	0.0014	0.0019	0.0023	0.0008	-	-	0.0100
15 mph	0.0026	0.0002	0.0012	0.0016	0.0019	0.0007	-	-	0.0082
20 mph	0.0022	0.0002	0.0010	0.0013	0.0016	0.0005	0.0092	0.0001	0.0161
25 mph	0.0037	0.0003	0.0017	0.0023	0.0027	0.0009	0.0138	0.0001	0.0256
30 mph	0.0066	0.0006	0.0030	0.0040	0.0048	0.0016	0.0211	0.0002	0.0420
35 mph	0.0138	0.0012	0.0062	0.0084	0.0101	0.0034	0.0196	0.0002	0.0630
40 mph	0.0149	0.0013	0.0067	0.0090	0.0109	0.0037	0.0173	0.0002	0.0640
45 mph	0.0120	0.0011	0.0054	0.0072	0.0087	0.0030	0.0127	0.0001	0.0502
50 mph	0.0139	0.0012	0.0062	0.0084	0.0101	0.0034	0.0065	0.0001	0.0499
55 mph	0.0080	0.0007	0.0036	0.0049	0.0058	0.0020	0.0034	0.0000	0.0284
60 mph	0.0050	0.0004	0.0022	0.0030	0.0036	0.0012	0.2466	0.0022	0.2643
65 mph	0.0017	0.0002	0.0008	0.0010	0.0013	0.0004	-	-	0.0053
70 mph	0.0788	0.0071	0.0355	0.0485	0.0584	0.0198	-	-	0.2481
total	0.1665	0.0149	0.0749	0.1016	0.1223	0.0416	0.3502	0.0032	0.8752

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0052	0.0015	0.0059	0.0001	0.0127
15 mph	0.0327	0.0029	0.0147	0.0053	0.0056	0.0019	0.0051	0.0000	0.0682
25 mph	-	-	-	-	0.0075	0.0026	0.0157	0.0001	0.0259
35 mph	0.0824	0.0074	0.0371	0.0124	-	-	-	-	0.1393
total	0.1152	0.0103	0.0518	0.0177	0.0182	0.0060	0.0267	0.0003	0.2461

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0052	0.0015	0.0059	0.0001	0.0127
10 mph	0.0421	0.0038	0.0189	0.0132	0.0133	0.0045	0.0113	0.0001	0.1072
15 mph	0.0481	0.0043	0.0216	0.0106	0.0110	0.0038	0.0081	0.0001	0.1076
20 mph	0.0233	0.0021	0.0105	0.0074	0.0075	0.0026	0.0144	0.0001	0.0679
25 mph	0.0941	0.0084	0.0423	0.0284	0.0356	0.0121	0.0537	0.0005	0.2752
30 mph	0.0949	0.0085	0.0427	0.0295	0.0297	0.0101	0.0406	0.0004	0.2562
35 mph	0.1632	0.0146	0.0735	0.0402	0.0289	0.0099	0.0277	0.0003	0.3581
40 mph	0.0365	0.0033	0.0164	0.0153	0.0169	0.0058	0.0261	0.0002	0.1205
45 mph	0.0301	0.0027	0.0135	0.0125	0.0138	0.0047	0.0197	0.0002	0.0972
50 mph	0.0325	0.0029	0.0146	0.0138	0.0153	0.0052	0.0183	0.0002	0.1029
55 mph	0.0235	0.0021	0.0106	0.0093	0.0102	0.0035	0.0062	0.0001	0.0655
60 mph	0.0369	0.0033	0.0166	0.0123	0.0127	0.0043	0.2495	0.0023	0.3379
65 mph	0.0058	0.0005	0.0026	0.0022	0.0024	0.0008	-	-	0.0144
70 mph	0.0788	0.0071	0.0355	0.0485	0.0584	0.0198	-	-	0.2481
total	0.7099	0.0634	0.3194	0.2432	0.2611	0.0886	0.4815	0.0044	2.1714

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0003	0.0000	0.0001	0.0003	0.0064	0.0048	0.0381	0.1104	0.1605
15 mph	0.0001	0.0000	0.0000	0.0001	0.0017	0.0013	0.0100	0.0274	0.0406
20 mph	0.0002	0.0000	0.0001	0.0002	0.0028	0.0022	0.0171	0.0460	0.0685
25 mph	0.0008	0.0000	0.0003	0.0008	0.0125	0.0097	0.0820	0.2135	0.3196
30 mph	0.0008	0.0000	0.0003	0.0007	0.0125	0.0097	0.0655	0.1702	0.2596
35 mph	0.0006	0.0000	0.0002	0.0005	0.0103	0.0079	0.0263	0.0696	0.1154
40 mph	0.0002	0.0000	0.0001	0.0002	0.0033	0.0025	0.0268	0.0706	0.1037
45 mph	0.0001	0.0000	0.0001	0.0001	0.0027	0.0020	0.0203	0.0535	0.0789
50 mph	0.0001	0.0000	0.0001	0.0001	0.0028	0.0021	0.0326	0.0845	0.1224
55 mph	0.0001	0.0000	0.0000	0.0001	0.0024	0.0018	0.0077	0.0202	0.0323
60 mph	0.0003	0.0000	0.0001	0.0002	0.0048	0.0035	0.0083	0.0214	0.0386
65 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	-	-	0.0011
70 mph	-	-	-	-	-	-	-	-	-
total	0.0036	0.0000	0.0015	0.0034	0.0629	0.0480	0.3347	0.8872	1.3413

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0001	0.0014	0.0010	-	-	0.0025
15 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0007	-	-	0.0017
20 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	0.0308	0.0828	0.1150
25 mph	0.0000	0.0000	0.0000	0.0001	0.0013	0.0010	0.0470	0.1224	0.1720
30 mph	0.0001	0.0000	0.0000	0.0001	0.0024	0.0019	0.0708	0.1841	0.2594
35 mph	0.0001	0.0000	0.0000	0.0002	0.0055	0.0042	0.0632	0.1673	0.2407
40 mph	0.0001	0.0000	0.0000	0.0002	0.0060	0.0046	0.0531	0.1401	0.2041
45 mph	0.0001	0.0000	0.0000	0.0002	0.0047	0.0035	0.0366	0.0964	0.1415
50 mph	0.0001	0.0000	0.0000	0.0002	0.0055	0.0041	0.0181	0.0469	0.0749
55 mph	0.0001	0.0000	0.0000	0.0001	0.0032	0.0023	0.0093	0.0243	0.0393
60 mph	0.0000	0.0000	0.0000	0.0001	0.0019	0.0014	0.6950	1.8020	2.5005
65 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	-	-	0.0012
70 mph	0.0007	0.0000	0.0003	0.0015	0.0306	0.0222	-	-	0.0554
total	0.0014	0.0000	0.0006	0.0029	0.0648	0.0481	1.0240	2.6664	3.8082

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0030	0.0033	0.0141	0.0234	0.0439
15 mph	0.0003	0.0000	0.0001	0.0002	0.0026	0.0020	0.0164	0.0448	0.0663
25 mph	-	-	-	-	0.0037	0.0029	0.0534	0.1391	0.1991
35 mph	0.0007	0.0000	0.0003	0.0003	-	-	-	-	0.0013
total	0.0010	0.0000	0.0004	0.0005	0.0093	0.0082	0.0839	0.2073	0.3106

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0030	0.0033	0.0141	0.0234	0.0439
10 mph	0.0004	0.0000	0.0002	0.0004	0.0077	0.0059	0.0381	0.1104	0.1630
15 mph	0.0004	0.0000	0.0002	0.0003	0.0051	0.0040	0.0264	0.0722	0.1085
20 mph	0.0002	0.0000	0.0001	0.0002	0.0036	0.0028	0.0479	0.1288	0.1835
25 mph	0.0008	0.0000	0.0003	0.0008	0.0176	0.0137	0.1824	0.4750	0.6906
30 mph	0.0008	0.0000	0.0003	0.0008	0.0150	0.0116	0.1363	0.3543	0.5190
35 mph	0.0014	0.0000	0.0006	0.0011	0.0158	0.0122	0.0896	0.2369	0.3574
40 mph	0.0003	0.0000	0.0001	0.0004	0.0093	0.0071	0.0799	0.2107	0.3079
45 mph	0.0002	0.0000	0.0001	0.0003	0.0074	0.0055	0.0569	0.1499	0.2204
50 mph	0.0002	0.0000	0.0001	0.0003	0.0083	0.0062	0.0506	0.1314	0.1973
55 mph	0.0002	0.0000	0.0001	0.0002	0.0056	0.0041	0.0170	0.0445	0.0717
60 mph	0.0003	0.0000	0.0001	0.0003	0.0067	0.0049	0.7033	1.8234	2.5391
65 mph	0.0001	0.0000	0.0000	0.0001	0.0013	0.0009	-	-	0.0023
70 mph	0.0007	0.0000	0.0003	0.0015	0.0306	0.0222	-	-	0.0554
total	0.0060	0.0000	0.0025	0.0068	0.1370	0.1043	1.4426	3.7608	5.4601

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
15 mph									-	-
25 mph									-	-
35 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0082	0.0049	0.0201	0.0235	0.0566
10 mph	0.0425	0.0038	0.0191	0.0135	0.0210	0.0104	0.0494	0.1105	0.2702
15 mph	0.0485	0.0043	0.0218	0.0109	0.0162	0.0077	0.0345	0.0722	0.2161
20 mph	0.0235	0.0021	0.0106	0.0076	0.0111	0.0053	0.0622	0.1289	0.2515
25 mph	0.0949	0.0084	0.0427	0.0292	0.0532	0.0258	0.2361	0.4755	0.9658
30 mph	0.0957	0.0085	0.0430	0.0304	0.0446	0.0216	0.1768	0.3546	0.7753
35 mph	0.1646	0.0146	0.0740	0.0413	0.0447	0.0220	0.1173	0.2372	0.7156
40 mph	0.0368	0.0033	0.0166	0.0157	0.0262	0.0129	0.1060	0.2110	0.4284
45 mph	0.0303	0.0027	0.0136	0.0128	0.0212	0.0102	0.0766	0.1501	0.3176
50 mph	0.0328	0.0029	0.0147	0.0142	0.0237	0.0114	0.0689	0.1316	0.3002
55 mph	0.0237	0.0021	0.0106	0.0096	0.0158	0.0076	0.0232	0.0445	0.1371
60 mph	0.0372	0.0033	0.0167	0.0126	0.0194	0.0093	0.9528	1.8257	2.8770
65 mph	0.0058	0.0005	0.0026	0.0023	0.0037	0.0017	-	-	0.0167
70 mph	0.0796	0.0071	0.0358	0.0500	0.0890	0.0420	-	-	0.3035
STREX	0.0027	0.0002	0.0012	0.0030	0.0002	0.0001	0.0002	0.0000	0.0077
total	0.7186	0.0636	0.3231	0.2530	0.3983	0.1930	1.9243	3.7653	**7.6392**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0005	0.0005	0.0006	0.0007	0.0002	0.0002	0.0003	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0027	0.0002	0.0012	0.0030	0.0002	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0027	0.0002	0.0012	0.0030	0.0002	0.0001	0.0002	0.0000

World Logistics Center
Mobile Emissions - 2030 (Net) - Unmitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0385	0.0364	0.0358	0.0383
10 mph	0.0043	0.0054	0.0046	0.0046	0.0049	0.0046	0.0046	0.0049
15 mph	0.0029	0.0036	0.0030	0.0031	0.0033	0.0031	0.0030	0.0032
20 mph	0.0020	0.0026	0.0021	0.0022	0.0023	0.0021	0.0021	0.0023
25 mph	0.0015	0.0019	0.0016	0.0016	0.0017	0.0016	0.0016	0.0017
30 mph	0.0012	0.0015	0.0012	0.0013	0.0013	0.0012	0.0012	0.0013
35 mph	0.0009	0.0012	0.0010	0.0010	0.0011	0.0010	0.0010	0.0011
40 mph	0.0008	0.0011	0.0009	0.0009	0.0009	0.0009	0.0009	0.0010
45 mph	0.0008	0.0010	0.0008	0.0008	0.0009	0.0008	0.0008	0.0009
50 mph	0.0007	0.0009	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
55 mph	0.0007	0.0009	0.0008	0.0008	0.0009	0.0008	0.0008	0.0009
60 mph	0.0008	0.0010	0.0008	0.0009	0.0009	0.0009	0.0008	0.0009
65 mph	0.0009	0.0011	0.0009	0.0009	0.0010	0.0010		
70 mph	0.0010	0.0012	0.0010	0.0010	0.0011	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7943	0.8026	0.0179	0.0124
10 mph	0.0071	0.1638	0.0091	0.0055	0.0225	0.0314	0.0047	0.0121
15 mph	0.0058	0.1195	0.0078	0.0046	0.0174	0.0255	0.0037	0.0091
20 mph	0.0047	0.0917	0.0066	0.0038	0.0145	0.0213	0.0031	0.0065
25 mph	0.0039	0.0734	0.0057	0.0032	0.0121	0.0179	0.0029	0.0068
30 mph	0.0033	0.0616	0.0050	0.0028	0.0107	0.0157	0.0031	0.0073
35 mph	0.0029	0.0541	0.0045	0.0026	0.0097	0.0142	0.0037	0.0087
40 mph	0.0026	0.0495	0.0041	0.0023	0.0090	0.0131	0.0047	0.0110
45 mph	0.0025	0.0472	0.0038	0.0022	0.0085	0.0123	0.0060	0.0142
50 mph	0.0024	0.0472	0.0036	0.0021	0.0082	0.0117	0.0078	0.0182
55 mph	0.0023	0.0493	0.0034	0.0020	0.0079	0.0113	0.0099	0.0237
60 mph	0.0024	0.0537	0.0034	0.0020	0.0080	0.0113	0.0124	0.0292
65 mph	0.0025	0.0615	0.0034	0.0021	0.0088	0.0120		
70 mph	0.0026	0.0718	0.0035	0.0023	0.0132	0.0152		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0347
10 mph								0.0064
15 mph								0.0053
20 mph								0.0046
25 mph								0.0041
30 mph								0.0038
35 mph								0.0036
40 mph								0.0035
45 mph								0.0034
50 mph								0.0034
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0393	0.0038	0.0156	0.0083	0.0039	0.0011	0.0018	0.0000	0.0738
15 mph	0.0104	0.0010	0.0042	0.0022	0.0010	0.0003	0.0004	0.0000	0.0195
20 mph	0.0146	0.0014	0.0058	0.0031	0.0015	0.0004	0.0006	0.0000	0.0274
25 mph	0.0540	0.0053	0.0215	0.0115	0.0054	0.0015	0.0023	0.0000	0.1015
30 mph	0.0463	0.0045	0.0185	0.0098	0.0046	0.0013	0.0016	0.0000	0.0867
35 mph	0.0312	0.0030	0.0124	0.0066	0.0031	0.0009	0.0006	0.0000	0.0578
40 mph	0.0090	0.0009	0.0036	0.0019	0.0009	0.0002	0.0006	0.0000	0.0171
45 mph	0.0069	0.0007	0.0027	0.0015	0.0007	0.0002	0.0004	0.0000	0.0130
50 mph	0.0066	0.0006	0.0026	0.0014	0.0007	0.0002	0.0007	0.0000	0.0128
55 mph	0.0054	0.0005	0.0021	0.0011	0.0005	0.0001	0.0002	0.0000	0.0101
60 mph	0.0116	0.0011	0.0046	0.0025	0.0012	0.0003	0.0002	0.0000	0.0214
65 mph	0.0016	0.0002	0.0006	0.0003	0.0002	0.0000	-	-	0.0030
70 mph	-	-	-	-	-	-	-	-	-
total	0.2369	0.0231	0.0943	0.0502	0.0237	0.0066	0.0093	0.0001	0.4442

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0032	0.0003	0.0013	0.0014	0.0008	0.0002	-	-	0.0074
15 mph	0.0022	0.0002	0.0009	0.0010	0.0006	0.0002	-	-	0.0049
20 mph	0.0015	0.0001	0.0006	0.0007	0.0004	0.0001	0.0010	0.0000	0.0045
25 mph	0.0022	0.0002	0.0009	0.0010	0.0006	0.0002	0.0013	0.0000	0.0064
30 mph	0.0035	0.0003	0.0014	0.0015	0.0009	0.0003	0.0018	0.0000	0.0097
35 mph	0.0064	0.0006	0.0026	0.0029	0.0017	0.0005	0.0014	0.0000	0.0161
40 mph	0.0062	0.0006	0.0025	0.0027	0.0016	0.0004	0.0011	0.0000	0.0152
45 mph	0.0045	0.0004	0.0018	0.0020	0.0012	0.0003	0.0008	0.0000	0.0111
50 mph	0.0049	0.0005	0.0020	0.0022	0.0013	0.0004	0.0004	0.0000	0.0116
55 mph	0.0028	0.0003	0.0011	0.0012	0.0007	0.0002	0.0002	0.0000	0.0065
60 mph	0.0018	0.0002	0.0007	0.0008	0.0005	0.0001	0.0142	0.0001	0.0184
65 mph	0.0007	0.0001	0.0003	0.0003	0.0002	0.0000	-	-	0.0015
70 mph	0.0342	0.0033	0.0133	0.0148	0.0088	0.0024	-	-	0.0769
total	0.0742	0.0072	0.0292	0.0325	0.0192	0.0053	0.0222	0.0002	0.1900

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0038	0.0011	0.0016	0.0000	0.0065
15 mph	0.0268	0.0026	0.0107	0.0032	0.0016	0.0005	0.0007	0.0000	0.0461
25 mph	-	-	-	-	0.0016	0.0004	0.0015	0.0000	0.0035
35 mph	0.0384	0.0038	0.0153	0.0042	-	-	-	-	0.0616
total	0.0652	0.0064	0.0260	0.0074	0.0070	0.0020	0.0038	0.0000	0.1177

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0038	0.0011	0.0016	0.0000	0.0065
10 mph	0.0425	0.0041	0.0169	0.0097	0.0047	0.0013	0.0018	0.0000	0.0811
15 mph	0.0394	0.0038	0.0157	0.0064	0.0032	0.0009	0.0011	0.0000	0.0705
20 mph	0.0161	0.0016	0.0064	0.0038	0.0019	0.0005	0.0016	0.0000	0.0319
25 mph	0.0562	0.0055	0.0224	0.0125	0.0076	0.0021	0.0051	0.0000	0.1115
30 mph	0.0498	0.0049	0.0198	0.0114	0.0055	0.0015	0.0034	0.0000	0.0964
35 mph	0.0760	0.0074	0.0302	0.0137	0.0048	0.0013	0.0020	0.0000	0.1354
40 mph	0.0152	0.0015	0.0060	0.0047	0.0025	0.0007	0.0017	0.0000	0.0324
45 mph	0.0114	0.0011	0.0045	0.0035	0.0019	0.0005	0.0012	0.0000	0.0241
50 mph	0.0116	0.0011	0.0046	0.0036	0.0020	0.0005	0.0010	0.0000	0.0244
55 mph	0.0082	0.0008	0.0033	0.0024	0.0013	0.0004	0.0003	0.0000	0.0166
60 mph	0.0134	0.0013	0.0053	0.0032	0.0016	0.0005	0.0143	0.0001	0.0398
65 mph	0.0023	0.0002	0.0009	0.0006	0.0003	0.0001	-	-	0.0045
70 mph	0.0342	0.0033	0.0133	0.0148	0.0088	0.0024	-	-	0.0769
total	0.3763	0.0366	0.1495	0.0901	0.0499	0.0138	0.0352	0.0003	0.7519

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0003	0.0003	0.0170	0.0160	0.0109	0.0516	0.0968
15 mph	0.0002	0.0000	0.0001	0.0001	0.0053	0.0052	0.0028	0.0129	0.0266
20 mph	0.0004	0.0000	0.0002	0.0002	0.0088	0.0087	0.0047	0.0183	0.0412
25 mph	0.0016	0.0000	0.0007	0.0007	0.0365	0.0365	0.0246	0.1064	0.2070
30 mph	0.0015	0.0000	0.0007	0.0007	0.0353	0.0353	0.0240	0.1036	0.2011
35 mph	0.0010	0.0000	0.0005	0.0005	0.0264	0.0261	0.0129	0.0555	0.1230
40 mph	0.0003	0.0000	0.0002	0.0002	0.0081	0.0080	0.0181	0.0780	0.1129
45 mph	0.0003	0.0000	0.0001	0.0001	0.0064	0.0063	0.0186	0.0807	0.1125
50 mph	0.0002	0.0000	0.0001	0.0001	0.0062	0.0060	0.0390	0.1676	0.2192
55 mph	0.0002	0.0000	0.0001	0.0001	0.0048	0.0046	0.0115	0.0505	0.0717
60 mph	0.0004	0.0000	0.0002	0.0002	0.0097	0.0092	0.0143	0.0622	0.0962
65 mph	0.0001	0.0000	0.0000	0.0000	0.0013	0.0012	-	-	0.0027
70 mph	-	-	-	-	-	-	-	-	-
total	0.0069	0.0002	0.0031	0.0032	0.1657	0.1631	0.1814	0.7873	1.3108

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0001	0.0036	0.0034	-	-	0.0072
15 mph	0.0000	0.0000	0.0000	0.0000	0.0028	0.0028	-	-	0.0057
20 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0023	0.0085	0.0330	0.0463
25 mph	0.0001	0.0000	0.0000	0.0001	0.0039	0.0039	0.0141	0.0610	0.0831
30 mph	0.0001	0.0000	0.0001	0.0001	0.0069	0.0069	0.0260	0.1121	0.1521
35 mph	0.0002	0.0000	0.0001	0.0002	0.0141	0.0140	0.0309	0.1334	0.1930
40 mph	0.0002	0.0000	0.0001	0.0002	0.0146	0.0143	0.0358	0.1547	0.2200
45 mph	0.0002	0.0000	0.0001	0.0002	0.0110	0.0107	0.0336	0.1455	0.2012
50 mph	0.0002	0.0000	0.0001	0.0002	0.0119	0.0115	0.0216	0.0930	0.1385
55 mph	0.0001	0.0000	0.0000	0.0001	0.0064	0.0062	0.0138	0.0607	0.0872
60 mph	0.0001	0.0000	0.0000	0.0001	0.0039	0.0037	1.2059	5.2312	6.4448
65 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0013	-	-	0.0028
70 mph	0.0010	0.0000	0.0004	0.0010	0.0979	0.0762	-	-	0.1765
total	0.0023	0.0001	0.0010	0.0023	0.1808	0.1573	1.3902	6.0246	7.7585

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0740	0.0506	0.0046	0.0059	0.1352
15 mph	0.0006	0.0000	0.0003	0.0001	0.0082	0.0081	0.0046	0.0211	0.0430
25 mph	-	-	-	-	0.0108	0.0108	0.0160	0.0693	0.1069
35 mph	0.0013	0.0000	0.0006	0.0003	-	-	-	-	0.0023
total	0.0019	0.0000	0.0009	0.0005	0.0930	0.0695	0.0253	0.0964	0.2874

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0740	0.0506	0.0046	0.0059	0.1352
10 mph	0.0008	0.0000	0.0003	0.0004	0.0206	0.0194	0.0109	0.0516	0.1040
15 mph	0.0009	0.0000	0.0004	0.0003	0.0162	0.0160	0.0075	0.0340	0.0754
20 mph	0.0004	0.0000	0.0002	0.0002	0.0111	0.0110	0.0133	0.0513	0.0875
25 mph	0.0016	0.0000	0.0007	0.0008	0.0512	0.0512	0.0547	0.2368	0.3971
30 mph	0.0016	0.0000	0.0007	0.0008	0.0422	0.0422	0.0499	0.2157	0.3532
35 mph	0.0026	0.0001	0.0012	0.0011	0.0405	0.0401	0.0438	0.1890	0.3183
40 mph	0.0005	0.0000	0.0003	0.0004	0.0227	0.0224	0.0539	0.2327	0.3328
45 mph	0.0004	0.0000	0.0002	0.0003	0.0174	0.0170	0.0522	0.2262	0.3136
50 mph	0.0004	0.0000	0.0002	0.0003	0.0181	0.0175	0.0606	0.2606	0.3577
55 mph	0.0003	0.0000	0.0001	0.0002	0.0112	0.0108	0.0252	0.1111	0.1589
60 mph	0.0004	0.0000	0.0002	0.0002	0.0136	0.0129	1.2202	5.2934	6.5410
65 mph	0.0001	0.0000	0.0000	0.0000	0.0028	0.0025	-	-	0.0054
70 mph	0.0010	0.0000	0.0004	0.0010	0.0979	0.0762	-	-	0.1765
total	0.0110	0.0003	0.0050	0.0059	0.4394	0.3899	1.5968	6.9083	9.3567

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0017	0.0017
15 mph								0.0005	0.0005
20 mph								0.0008	0.0008
25 mph								0.0041	0.0041
30 mph								0.0034	0.0034
35 mph								0.0015	0.0015
40 mph								0.0016	0.0016
45 mph								0.0012	0.0012
50 mph								0.0020	0.0020
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0169	0.0169

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0015	0.0015
25 mph								0.0023	0.0023
30 mph								0.0037	0.0037
35 mph								0.0035	0.0035
40 mph								0.0031	0.0031
45 mph								0.0022	0.0022
50 mph								0.0011	0.0011
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0111	0.0111

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0008	0.0008
25 mph								0.0027	0.0027
35 mph								-	-
total	-	-	-	-	-	-	-	0.0045	0.0045

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0017	0.0017
15 mph								0.0013	0.0013
20 mph								0.0023	0.0023
25 mph								0.0091	0.0091
30 mph								0.0072	0.0072
35 mph								0.0050	0.0050
40 mph								0.0047	0.0047
45 mph								0.0035	0.0035
50 mph								0.0031	0.0031
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0389	0.0389

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0778	0.0517	0.0062	0.0070	0.1428
10 mph	0.0433	0.0041	0.0172	0.0101	0.0253	0.0208	0.0127	0.0534	0.1869
15 mph	0.0403	0.0038	0.0161	0.0067	0.0194	0.0169	0.0086	0.0353	0.1472
20 mph	0.0165	0.0016	0.0066	0.0040	0.0129	0.0115	0.0149	0.0537	0.1217
25 mph	0.0579	0.0055	0.0232	0.0132	0.0588	0.0533	0.0598	0.2459	0.5176
30 mph	0.0514	0.0049	0.0206	0.0122	0.0477	0.0437	0.0533	0.2229	0.4567
35 mph	0.0785	0.0075	0.0314	0.0147	0.0453	0.0415	0.0458	0.1940	0.4587
40 mph	0.0158	0.0015	0.0063	0.0050	0.0252	0.0231	0.0556	0.2374	0.3699
45 mph	0.0118	0.0011	0.0047	0.0038	0.0192	0.0175	0.0534	0.2297	0.3412
50 mph	0.0120	0.0011	0.0048	0.0039	0.0200	0.0181	0.0617	0.2637	0.3852
55 mph	0.0085	0.0008	0.0034	0.0026	0.0125	0.0111	0.0256	0.1111	0.1755
60 mph	0.0138	0.0013	0.0055	0.0035	0.0152	0.0134	1.2345	5.2935	6.5808
65 mph	0.0024	0.0002	0.0009	0.0006	0.0031	0.0026	-	-	0.0099
70 mph	0.0352	0.0033	0.0137	0.0158	0.1067	0.0786	-	-	0.2533
STREX	0.0080	0.0007	0.0031	0.0062	0.0005	0.0001	0.0003	0.0000	0.0190
total	0.3954	0.0376	0.1576	0.1023	0.4899	0.4039	1.6324	6.9475	**10.1665**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0013	0.0017	0.0014	0.0014	0.0004	0.0003	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0080	0.0007	0.0031	0.0062	0.0005	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0080	0.0007	0.0031	0.0062	0.0005	0.0001	0.0003	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	8.1680	0.6219	3.0673	1.6000	1.3489	0.4591	0.9516	0.0042
Diesel	0.0908	0.0001	0.0278	0.0494	1.3314	1.0314	5.4940	6.8259
Electric/NG	0.3738	0.0149	0.0924	0.0506	-	-	-	0.4396
Total	8.6326	0.6369	3.1875	1.7000	2.6803	1.4905	6.4456	7.2698

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	3.3777	0.2572	1.2684	1.3818	1.4462	0.4923	3.4309	0.0153
Diesel	0.0375	0.0000	0.0115	0.0426	1.4275	1.1058	19.8086	24.6109
Electric/NG	0.1546	0.0062	0.0382	0.0437	-	-	-	1.5851
Total	3.5698	0.2634	1.3181	1.4682	2.8737	1.5981	23.2395	26.2112

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.2310	0.1699	0.8378	0.2301	0.1215	0.0414	0.1676	0.0007
Diesel	0.0248	0.0000	0.0076	0.0071	0.1200	0.0929	0.9675	1.2020
Electric/NG	0.1021	0.0041	0.0252	0.0073	-	-	-	0.0774
Total	2.3579	0.1740	0.8706	0.2444	0.2415	0.1343	1.1350	1.2802

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	13.7768	1.0489	5.1735	3.2119	2.9166	0.9928	4.5501	0.0202	31.6907
Diesel	0.1531	0.0002	0.0469	0.0991	2.8788	2.2301	26.2700	32.6388	64.3170
Electric/NG	0.6305	0.0252	0.1559	0.1016	-	-	-	2.1021	3.0152
Total	14.5603	1.0743	5.3762	3.4126	5.7954	3.2228	30.8201	34.7612	**99.0230**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	85.0999
Internal	74.3745
Total	**159.4743**

World Logistics Center
Mobile Emissions - 2030 (Net) - Unmitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0354	0.0335	0.0329	0.0352
10 mph	0.0040	0.0050	0.0042	0.0043	0.0045	0.0042	0.0042	0.0045
15 mph	0.0026	0.0033	0.0028	0.0028	0.0030	0.0028	0.0028	0.0030
20 mph	0.0018	0.0024	0.0020	0.0020	0.0021	0.0020	0.0020	0.0021
25 mph	0.0014	0.0017	0.0014	0.0015	0.0016	0.0015	0.0014	0.0015
30 mph	0.0011	0.0014	0.0011	0.0011	0.0012	0.0011	0.0011	0.0012
35 mph	0.0009	0.0011	0.0009	0.0009	0.0010	0.0009	0.0009	0.0010
40 mph	0.0008	0.0010	0.0008	0.0008	0.0009	0.0008	0.0008	0.0009
45 mph	0.0007	0.0009	0.0007	0.0007	0.0008	0.0007	0.0007	0.0008
50 mph	0.0007	0.0009	0.0007	0.0007	0.0008	0.0007	0.0007	0.0008
55 mph	0.0007	0.0009	0.0007	0.0007	0.0008	0.0007	0.0007	0.0008
60 mph	0.0007	0.0009	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
65 mph	0.0008	0.0010	0.0009	0.0009	0.0010	0.0009		
70 mph	0.0009	0.0011	0.0009	0.0010	0.0010	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7599	0.7679	0.0171	0.0119
10 mph	0.0068	0.1567	0.0087	0.0053	0.0216	0.0301	0.0045	0.0116
15 mph	0.0056	0.1143	0.0075	0.0044	0.0167	0.0244	0.0035	0.0087
20 mph	0.0045	0.0877	0.0064	0.0036	0.0139	0.0204	0.0029	0.0062
25 mph	0.0037	0.0702	0.0054	0.0031	0.0116	0.0171	0.0028	0.0065
30 mph	0.0031	0.0589	0.0048	0.0027	0.0102	0.0151	0.0030	0.0070
35 mph	0.0028	0.0517	0.0043	0.0024	0.0093	0.0136	0.0035	0.0083
40 mph	0.0025	0.0474	0.0040	0.0022	0.0086	0.0126	0.0045	0.0105
45 mph	0.0024	0.0452	0.0037	0.0021	0.0081	0.0118	0.0058	0.0136
50 mph	0.0023	0.0451	0.0035	0.0020	0.0078	0.0112	0.0074	0.0174
55 mph	0.0022	0.0472	0.0033	0.0019	0.0076	0.0108	0.0095	0.0227
60 mph	0.0023	0.0514	0.0032	0.0019	0.0077	0.0108	0.0118	0.0279
65 mph	0.0024	0.0589	0.0033	0.0020	0.0085	0.0115		
70 mph	0.0024	0.0687	0.0033	0.0022	0.0126	0.0145		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0332
10 mph								0.0062
15 mph								0.0051
20 mph								0.0044
25 mph								0.0040
30 mph								0.0037
35 mph								0.0035
40 mph								0.0033
45 mph								0.0033
50 mph								0.0033
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0361	0.0035	0.0144	0.0076	0.0036	0.0010	0.0017	0.0000	0.0678
15 mph	0.0096	0.0009	0.0038	0.0020	0.0010	0.0003	0.0004	0.0000	0.0180
20 mph	0.0134	0.0013	0.0054	0.0029	0.0013	0.0004	0.0005	0.0000	0.0252
25 mph	0.0496	0.0049	0.0198	0.0106	0.0050	0.0014	0.0021	0.0000	0.0933
30 mph	0.0426	0.0042	0.0170	0.0090	0.0043	0.0012	0.0015	0.0000	0.0797
35 mph	0.0286	0.0028	0.0114	0.0061	0.0029	0.0008	0.0006	0.0000	0.0531
40 mph	0.0083	0.0008	0.0033	0.0018	0.0008	0.0002	0.0005	0.0000	0.0157
45 mph	0.0063	0.0006	0.0025	0.0013	0.0006	0.0002	0.0004	0.0000	0.0120
50 mph	0.0061	0.0006	0.0024	0.0013	0.0006	0.0002	0.0006	0.0000	0.0118
55 mph	0.0050	0.0005	0.0020	0.0011	0.0005	0.0001	0.0001	0.0000	0.0093
60 mph	0.0107	0.0010	0.0042	0.0023	0.0011	0.0003	0.0002	0.0000	0.0197
65 mph	0.0015	0.0001	0.0006	0.0003	0.0002	0.0000	-	-	0.0028
70 mph	-	-	-	-	-	-	-	-	-
total	0.2178	0.0212	0.0867	0.0462	0.0218	0.0060	0.0086	0.0001	0.4084

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0030	0.0003	0.0012	0.0013	0.0008	0.0002	-	-	0.0068
15 mph	0.0020	0.0002	0.0008	0.0009	0.0005	0.0001	-	-	0.0045
20 mph	0.0014	0.0001	0.0006	0.0006	0.0004	0.0001	0.0009	0.0000	0.0041
25 mph	0.0021	0.0002	0.0008	0.0009	0.0005	0.0001	0.0012	0.0000	0.0059
30 mph	0.0032	0.0003	0.0013	0.0014	0.0008	0.0002	0.0016	0.0000	0.0089
35 mph	0.0059	0.0006	0.0024	0.0026	0.0015	0.0004	0.0013	0.0000	0.0148
40 mph	0.0057	0.0006	0.0023	0.0025	0.0015	0.0004	0.0011	0.0000	0.0140
45 mph	0.0042	0.0004	0.0017	0.0018	0.0011	0.0003	0.0007	0.0000	0.0102
50 mph	0.0045	0.0004	0.0018	0.0020	0.0012	0.0003	0.0003	0.0000	0.0106
55 mph	0.0026	0.0002	0.0010	0.0011	0.0007	0.0002	0.0002	0.0000	0.0060
60 mph	0.0017	0.0002	0.0007	0.0007	0.0004	0.0001	0.0130	0.0001	0.0169
65 mph	0.0006	0.0001	0.0002	0.0003	0.0002	0.0000	-	-	0.0014
70 mph	0.0315	0.0030	0.0122	0.0136	0.0081	0.0022	-	-	0.0707
total	0.0683	0.0066	0.0269	0.0299	0.0177	0.0049	0.0204	0.0002	0.1747

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0035	0.0010	0.0015	0.0000	0.0060
15 mph	0.0247	0.0024	0.0098	0.0030	0.0015	0.0004	0.0006	0.0000	0.0424
25 mph	-	-	-	-	0.0015	0.0004	0.0014	0.0000	0.0033
35 mph	0.0353	0.0035	0.0140	0.0039	-	-	-	-	0.0566
total	0.0600	0.0058	0.0239	0.0068	0.0064	0.0018	0.0035	0.0000	0.1082

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0035	0.0010	0.0015	0.0000	0.0060
10 mph	0.0391	0.0038	0.0156	0.0090	0.0044	0.0012	0.0017	0.0000	0.0746
15 mph	0.0362	0.0035	0.0145	0.0059	0.0030	0.0008	0.0010	0.0000	0.0649
20 mph	0.0148	0.0014	0.0059	0.0035	0.0017	0.0005	0.0015	0.0000	0.0293
25 mph	0.0517	0.0051	0.0206	0.0115	0.0070	0.0019	0.0047	0.0000	0.1025
30 mph	0.0458	0.0045	0.0182	0.0105	0.0051	0.0014	0.0031	0.0000	0.0886
35 mph	0.0698	0.0068	0.0278	0.0126	0.0044	0.0012	0.0019	0.0000	0.1245
40 mph	0.0140	0.0014	0.0056	0.0043	0.0023	0.0006	0.0016	0.0000	0.0298
45 mph	0.0105	0.0010	0.0042	0.0032	0.0017	0.0005	0.0011	0.0000	0.0222
50 mph	0.0106	0.0010	0.0042	0.0033	0.0018	0.0005	0.0009	0.0000	0.0224
55 mph	0.0075	0.0007	0.0030	0.0022	0.0012	0.0003	0.0003	0.0000	0.0153
60 mph	0.0123	0.0012	0.0049	0.0030	0.0015	0.0004	0.0132	0.0001	0.0366
65 mph	0.0021	0.0002	0.0008	0.0006	0.0003	0.0001	-	-	0.0042
70 mph	0.0315	0.0030	0.0122	0.0136	0.0081	0.0022	-	-	0.0707
total	0.3460	0.0337	0.1375	0.0829	0.0459	0.0127	0.0324	0.0003	0.6914

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0003	0.0003	0.0162	0.0153	0.0104	0.0494	0.0926
15 mph	0.0002	0.0000	0.0001	0.0001	0.0050	0.0050	0.0027	0.0123	0.0255
20 mph	0.0004	0.0000	0.0002	0.0002	0.0084	0.0083	0.0045	0.0175	0.0394
25 mph	0.0015	0.0000	0.0007	0.0007	0.0349	0.0349	0.0235	0.1018	0.1981
30 mph	0.0014	0.0000	0.0007	0.0007	0.0338	0.0338	0.0230	0.0991	0.1924
35 mph	0.0010	0.0000	0.0005	0.0005	0.0252	0.0250	0.0123	0.0531	0.1176
40 mph	0.0003	0.0000	0.0001	0.0001	0.0078	0.0077	0.0173	0.0746	0.1080
45 mph	0.0002	0.0000	0.0001	0.0001	0.0061	0.0060	0.0178	0.0772	0.1076
50 mph	0.0002	0.0000	0.0001	0.0001	0.0059	0.0057	0.0373	0.1603	0.2097
55 mph	0.0002	0.0000	0.0001	0.0001	0.0046	0.0044	0.0110	0.0483	0.0686
60 mph	0.0004	0.0000	0.0002	0.0002	0.0093	0.0088	0.0137	0.0595	0.0920
65 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0012	-	-	0.0025
70 mph	-	-	-	-	-	-	-	-	-
total	0.0066	0.0002	0.0030	0.0030	0.1585	0.1561	0.1735	0.7533	1.2541

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0001	0.0035	0.0033	-	-	0.0069
15 mph	0.0000	0.0000	0.0000	0.0000	0.0027	0.0027	-	-	0.0055
20 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0022	0.0082	0.0316	0.0443
25 mph	0.0001	0.0000	0.0000	0.0001	0.0037	0.0037	0.0135	0.0584	0.0795
30 mph	0.0001	0.0000	0.0000	0.0001	0.0066	0.0066	0.0248	0.1072	0.1455
35 mph	0.0002	0.0000	0.0001	0.0002	0.0135	0.0134	0.0296	0.1277	0.1847
40 mph	0.0002	0.0000	0.0001	0.0002	0.0139	0.0137	0.0343	0.1480	0.2104
45 mph	0.0002	0.0000	0.0001	0.0002	0.0105	0.0103	0.0321	0.1392	0.1925
50 mph	0.0002	0.0000	0.0001	0.0002	0.0114	0.0110	0.0207	0.0889	0.1325
55 mph	0.0001	0.0000	0.0000	0.0001	0.0061	0.0059	0.0132	0.0580	0.0835
60 mph	0.0001	0.0000	0.0000	0.0001	0.0037	0.0035	1.1537	5.0049	6.1660
65 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0013	-	-	0.0027
70 mph	0.0009	0.0000	0.0004	0.0010	0.0936	0.0729	-	-	0.1688
total	0.0022	0.0001	0.0010	0.0022	0.1730	0.1505	1.3300	5.7640	7.4228

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0708	0.0484	0.0044	0.0057	0.1294
15 mph	0.0006	0.0000	0.0002	0.0001	0.0078	0.0077	0.0044	0.0202	0.0412
25 mph	-	-	-	-	0.0103	0.0103	0.0153	0.0663	0.1023
35 mph	0.0012	0.0000	0.0006	0.0003	-	-	-	-	0.0022
total	0.0018	0.0000	0.0008	0.0004	0.0889	0.0665	0.0242	0.0922	0.2750

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0708	0.0484	0.0044	0.0057	0.1294
10 mph	0.0007	0.0000	0.0003	0.0003	0.0197	0.0186	0.0104	0.0494	0.0995
15 mph	0.0009	0.0000	0.0004	0.0003	0.0155	0.0153	0.0072	0.0325	0.0721
20 mph	0.0004	0.0000	0.0002	0.0002	0.0106	0.0105	0.0127	0.0491	0.0838
25 mph	0.0016	0.0000	0.0007	0.0007	0.0490	0.0490	0.0523	0.2265	0.3799
30 mph	0.0015	0.0000	0.0007	0.0008	0.0404	0.0403	0.0478	0.2064	0.3379
35 mph	0.0024	0.0001	0.0012	0.0010	0.0387	0.0384	0.0419	0.1808	0.3045
40 mph	0.0005	0.0000	0.0002	0.0004	0.0217	0.0214	0.0515	0.2226	0.3184
45 mph	0.0004	0.0000	0.0002	0.0003	0.0166	0.0163	0.0499	0.2164	0.3001
50 mph	0.0004	0.0000	0.0002	0.0003	0.0173	0.0168	0.0580	0.2493	0.3422
55 mph	0.0003	0.0000	0.0001	0.0002	0.0107	0.0103	0.0241	0.1063	0.1521
60 mph	0.0004	0.0000	0.0002	0.0002	0.0130	0.0124	1.1674	5.0644	6.2580
65 mph	0.0001	0.0000	0.0000	0.0000	0.0026	0.0024	-	-	0.0052
70 mph	0.0009	0.0000	0.0004	0.0010	0.0936	0.0729	-	-	0.1688
total	0.0105	0.0003	0.0048	0.0056	0.4204	0.3731	1.5278	6.6095	8.9519

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0017	0.0017
15 mph								0.0005	0.0005
20 mph								0.0008	0.0008
25 mph								0.0039	0.0039
30 mph								0.0033	0.0033
35 mph								0.0014	0.0014
40 mph								0.0015	0.0015
45 mph								0.0012	0.0012
50 mph								0.0019	0.0019
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0161	0.0161

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0014	0.0014
25 mph								0.0022	0.0022
30 mph								0.0036	0.0036
35 mph								0.0034	0.0034
40 mph								0.0030	0.0030
45 mph								0.0021	0.0021
50 mph								0.0011	0.0011
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0106	0.0106

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0008	0.0008
25 mph								0.0026	0.0026
35 mph								-	-
total	-	-	-	-	-	-	-	0.0043	0.0043

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0017	0.0017
15 mph								0.0012	0.0012
20 mph								0.0022	0.0022
25 mph								0.0087	0.0087
30 mph								0.0069	0.0069
35 mph								0.0048	0.0048
40 mph								0.0045	0.0045
45 mph								0.0033	0.0033
50 mph								0.0030	0.0030
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0372	0.0372

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0743	0.0494	0.0059	0.0067	0.1364
10 mph	0.0398	0.0038	0.0158	0.0093	0.0241	0.0198	0.0121	0.0511	0.1758
15 mph	0.0371	0.0035	0.0148	0.0061	0.0185	0.0162	0.0081	0.0338	0.1382
20 mph	0.0152	0.0015	0.0061	0.0037	0.0123	0.0110	0.0142	0.0513	0.1153
25 mph	0.0533	0.0051	0.0213	0.0122	0.0560	0.0509	0.0570	0.2353	0.4911
30 mph	0.0473	0.0045	0.0189	0.0112	0.0455	0.0418	0.0509	0.2133	0.4334
35 mph	0.0723	0.0069	0.0289	0.0136	0.0432	0.0396	0.0438	0.1856	0.4338
40 mph	0.0145	0.0014	0.0058	0.0046	0.0240	0.0220	0.0531	0.2271	0.3527
45 mph	0.0109	0.0010	0.0044	0.0035	0.0183	0.0167	0.0510	0.2197	0.3255
50 mph	0.0110	0.0010	0.0044	0.0036	0.0191	0.0173	0.0590	0.2523	0.3677
55 mph	0.0078	0.0007	0.0031	0.0024	0.0119	0.0106	0.0245	0.1063	0.1673
60 mph	0.0127	0.0012	0.0051	0.0032	0.0145	0.0128	1.1806	5.0645	6.2946
65 mph	0.0022	0.0002	0.0009	0.0006	0.0030	0.0025	-	-	0.0094
70 mph	0.0324	0.0031	0.0126	0.0146	0.1018	0.0751	-	-	0.2395
STREX	0.0073	0.0007	0.0028	0.0057	0.0005	0.0001	0.0003	0.0000	0.0175
total	0.3639	0.0346	0.1451	0.0943	0.4668	0.3859	1.5604	6.6470	**9.6980**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0012	0.0015	0.0013	0.0013	0.0003	0.0003	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0073	0.0007	0.0028	0.0057	0.0005	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0073	0.0007	0.0028	0.0057	0.0005	0.0001	0.0003	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	3.2398	0.2467	1.2166	0.6346	0.5553	0.1900	0.3935	0.0016
Diesel	0.0360	0.0000	0.0110	0.0196	0.5383	0.4202	2.2719	2.4764
Electric/NG	0.1483	0.0059	0.0367	0.0201	-	-	-	0.1595
Total	3.4241	0.2526	1.2643	0.6743	1.0936	0.6102	2.6653	2.6376

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.3398	0.1020	0.5031	0.5481	0.5953	0.2037	1.4187	0.0059
Diesel	0.0149	0.0000	0.0046	0.0169	0.5772	0.4505	8.1912	8.9288
Electric/NG	0.0613	0.0024	0.0152	0.0173	-	-	-	0.5751
Total	1.4160	0.1045	0.5228	0.5823	1.1725	0.6542	9.6099	9.5098

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.8849	0.0674	0.3323	0.0913	0.0500	0.0171	0.0693	0.0003
Diesel	0.0098	0.0000	0.0030	0.0028	0.0485	0.0379	0.4001	0.4361
Electric/NG	0.0405	0.0016	0.0100	0.0029	-	-	-	0.0281
Total	0.9353	0.0690	0.3453	0.0970	0.0985	0.0550	0.4694	0.4645

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	5.4645	0.4161	2.0520	1.2740	1.2006	0.4109	1.8815	0.0078	12.7074
Diesel	0.0607	0.0001	0.0186	0.0393	1.1640	0.9085	10.8631	11.8414	24.8957
Electric/NG	0.2501	0.0100	0.0618	0.0403	-	-	-	0.7627	1.1248
Total	5.7753	0.4261	2.1325	1.3536	2.3647	1.3194	12.7446	12.6118	**38.7280**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	20.8881
Internal	18.2556
Total	**39.1437**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0572	0.0381	0.0046	0.0052	0.1050
10 mph	0.0255	0.0024	0.0101	0.0059	0.0185	0.0153	0.0093	0.0393	0.1264
15 mph	0.0237	0.0023	0.0095	0.0039	0.0142	0.0124	0.0063	0.0260	0.0984
20 mph	0.0097	0.0009	0.0039	0.0023	0.0095	0.0085	0.0109	0.0395	0.0853
25 mph	0.0341	0.0033	0.0137	0.0078	0.0431	0.0392	0.0439	0.1812	0.3662
30 mph	0.0303	0.0029	0.0121	0.0072	0.0350	0.0322	0.0392	0.1642	0.3230
35 mph	0.0463	0.0044	0.0185	0.0087	0.0332	0.0305	0.0337	0.1429	0.3182
40 mph	0.0093	0.0009	0.0037	0.0030	0.0185	0.0170	0.0409	0.1749	0.2681
45 mph	0.0070	0.0007	0.0028	0.0022	0.0141	0.0129	0.0393	0.1692	0.2481
50 mph	0.0071	0.0007	0.0028	0.0023	0.0147	0.0133	0.0454	0.1943	0.2805
55 mph	0.0050	0.0005	0.0020	0.0015	0.0092	0.0082	0.0188	0.0819	0.1270
60 mph	0.0082	0.0008	0.0032	0.0021	0.0112	0.0098	0.9091	3.8997	4.8440
65 mph	0.0014	0.0001	0.0006	0.0004	0.0023	0.0019	-	-	0.0067
70 mph	0.0207	0.0020	0.0081	0.0093	0.0784	0.0578	-	-	0.1763
total	0.2282	0.0217	0.0910	0.0567	0.3591	0.2971	1.2013	5.1182	7.3733

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2030 (Net) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	2,261	2.40	0.32	0.0005	1.06	0.0019	4.31
2	L	3,178	2.40	0.32	0.0005	1.49	0.0019	6.05
3	L	3,014	2.40	0.32	0.0005	1.41	0.0019	5.74
5	L	4,874	2.40	0.32	0.0005	2.28	0.0019	9.29
6	L	9,770	2.40	0.32	0.0005	4.57	0.0019	18.61
8	L	7,283	2.40	0.32	0.0005	3.41	0.0019	13.87
11	L	(1,468)	2.40	0.32	0.0005	(0.69)	0.0019	(2.80)
12	L	(2,237)	2.40	0.32	0.0005	(1.05)	0.0019	(4.26)
14	L	(1,199)	2.40	0.32	0.0005	(0.56)	0.0019	(2.28)
18	L	1,266	2.40	0.32	0.0005	0.59	0.0019	2.41
19	L	6,032	2.40	0.32	0.0005	2.82	0.0019	11.49
21	L	3,099	2.40	0.32	0.0005	1.45	0.0019	5.90
24	L	6,971	2.40	0.32	0.0005	3.26	0.0019	13.28
30	L	(6,846)	2.40	0.32	0.0005	(3.20)	0.0019	(13.04)
29	L	3,277	2.40	0.32	0.0005	1.53	0.0019	6.24
31	L	(236)	2.40	0.32	0.0005	(0.11)	0.0019	(0.45)
TOTAL						18.26		74.37

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2030 (Net) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	219,089	2.40	0.032	0.0001	12.60	0.0002	51.35
Freeway	F	286,935	2.40	0.015	0.0000	8.28	0.0001	33.75
TOTAL		506,024				20.89		85.10

World Logistics Center
Mobile Emissions - 2030 (Net) - Unmitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0051	0.0077	0.0066	0.0076	0.0098	0.0110	0.0186	0.2039
15 mph	0.0045	0.0067	0.0058	0.0066	0.0086	0.0097	0.0165	0.1800
20 mph	0.0040	0.0060	0.0052	0.0059	0.0079	0.0088	0.0149	0.1623
25 mph	0.0037	0.0054	0.0047	0.0054	0.0072	0.0080	0.0135	0.1485
30 mph	0.0034	0.0050	0.0044	0.0050	0.0068	0.0074	0.0124	0.1383
35 mph	0.0032	0.0047	0.0041	0.0047	0.0065	0.0070	0.0116	0.1308
40 mph	0.0031	0.0045	0.0039	0.0045	0.0062	0.0067	0.0111	0.1252
45 mph	0.0030	0.0044	0.0038	0.0044	0.0061	0.0066	0.0107	0.1217
50 mph	0.0029	0.0044	0.0038	0.0043	0.0060	0.0065	0.0106	0.1206
55 mph	0.0030	0.0045	0.0038	0.0044	0.0062	0.0066	0.0107	0.1219
60 mph	0.0031	0.0047	0.0040	0.0046	0.0064	0.0068	0.0111	0.1259
65 mph	0.0032	0.0050	0.0042	0.0049	0.0067	0.0071	0.0117	0.1320
70 mph	0.0034	0.0055	0.0044	0.0052	0.0074	0.0073	0.0116	0.1395

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0570	0.1212	0.0766	0.0953	0.1406	0.1573	0.2740	0.4313
15 mph	0.0469	0.1008	0.0635	0.0808	0.0915	0.1044	0.2155	0.3207
20 mph	0.0385	0.0828	0.0522	0.0671	0.0781	0.0891	0.1841	0.2694
25 mph	0.0323	0.0692	0.0437	0.0568	0.0692	0.0794	0.1606	0.2275
30 mph	0.0279	0.0595	0.0378	0.0491	0.0629	0.0717	0.1411	0.1995
35 mph	0.0253	0.0533	0.0341	0.0447	0.0631	0.0718	0.1260	0.1813
40 mph	0.0237	0.0497	0.0319	0.0418	0.0614	0.0693	0.1155	0.1656
45 mph	0.0229	0.0479	0.0307	0.0402	0.0599	0.0666	0.1095	0.1568
50 mph	0.0229	0.0479	0.0307	0.0405	0.0629	0.0691	0.1080	0.1525
55 mph	0.0240	0.0501	0.0321	0.0427	0.0656	0.0715	0.1111	0.1579
60 mph	0.0260	0.0543	0.0348	0.0462	0.0662	0.0717	0.1187	0.1674
65 mph	0.0292	0.0606	0.0391	0.0520	0.0673	0.0721	0.1308	0.1815
70 mph	0.0318	0.0631	0.0418	0.0567	0.0686	0.0736	0.1320	0.1841

*US EPA Emission Factors for Greenhouse Gas Inventories.
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.8816
15 mph								0.7397
20 mph								0.6458
25 mph								0.5951
30 mph								0.5627
35 mph								0.5371
40 mph								0.5161
45 mph								0.4984
50 mph								0.4833
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0466	0.0053	0.0227	0.0135	0.0078	0.0026	0.0075	0.0006	0.1067
15 mph	0.0164	0.0019	0.0080	0.0047	0.0028	0.0009	0.0022	0.0002	0.0369
20 mph	0.0294	0.0033	0.0142	0.0085	0.0050	0.0017	0.0040	0.0003	0.0664
25 mph	0.1341	0.0150	0.0647	0.0384	0.0231	0.0075	0.0198	0.0017	0.3043
30 mph	0.1370	0.0153	0.0658	0.0392	0.0238	0.0077	0.0166	0.0014	0.3069
35 mph	0.1059	0.0118	0.0507	0.0303	0.0186	0.0060	0.0070	0.0006	0.2308
40 mph	0.0337	0.0038	0.0161	0.0096	0.0060	0.0019	0.0074	0.0006	0.0792
45 mph	0.0272	0.0030	0.0130	0.0078	0.0048	0.0015	0.0057	0.0005	0.0637
50 mph	0.0269	0.0030	0.0129	0.0077	0.0048	0.0015	0.0092	0.0008	0.0669
55 mph	0.0218	0.0025	0.0105	0.0063	0.0039	0.0012	0.0022	0.0002	0.0486
60 mph	0.0452	0.0052	0.0219	0.0132	0.0081	0.0026	0.0022	0.0002	0.0987
65 mph	0.0059	0.0007	0.0029	0.0017	0.0011	0.0003	-	-	0.0126
70 mph	-	-	-	-	-	-	-	-	-
total	0.6301	0.0710	0.3035	0.1810	0.1098	0.0356	0.0838	0.0072	1.4219

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0039	0.0004	0.0019	0.0023	0.0017	0.0006	-	-	0.0107
15 mph	0.0034	0.0004	0.0016	0.0020	0.0015	0.0005	-	-	0.0094
20 mph	0.0030	0.0003	0.0015	0.0018	0.0013	0.0004	0.0072	0.0006	0.0162
25 mph	0.0055	0.0006	0.0027	0.0033	0.0025	0.0008	0.0114	0.0010	0.0278
30 mph	0.0103	0.0012	0.0050	0.0062	0.0046	0.0015	0.0179	0.0015	0.0482
35 mph	0.0219	0.0024	0.0105	0.0131	0.0099	0.0032	0.0168	0.0015	0.0793
40 mph	0.0232	0.0026	0.0111	0.0139	0.0106	0.0034	0.0147	0.0013	0.0809
45 mph	0.0180	0.0020	0.0086	0.0108	0.0083	0.0027	0.0103	0.0009	0.0616
50 mph	0.0200	0.0023	0.0096	0.0120	0.0093	0.0029	0.0051	0.0004	0.0617
55 mph	0.0112	0.0013	0.0054	0.0068	0.0053	0.0017	0.0026	0.0002	0.0345
60 mph	0.0070	0.0008	0.0034	0.0043	0.0033	0.0010	0.1875	0.0164	0.2237
65 mph	0.0024	0.0003	0.0012	0.0015	0.0011	0.0004	-	-	0.0069
70 mph	0.1187	0.0147	0.0571	0.0740	0.0584	0.0171	-	-	0.3398
total	0.2486	0.0293	0.1195	0.1520	0.1179	0.0362	0.2736	0.0239	1.0010

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0013	0.0004	0.0006	0.0000	0.0023
15 mph	0.0421	0.0048	0.0205	0.0068	0.0043	0.0014	0.0036	0.0003	0.0839
25 mph	-	-	-	-	0.0068	0.0022	0.0129	0.0011	0.0231
35 mph	0.1304	0.0146	0.0624	0.0193	-	-	-	-	0.2266
total	0.1725	0.0193	0.0829	0.0261	0.0124	0.0040	0.0171	0.0014	0.3359

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0013	0.0004	0.0006	0.0000	0.0023
10 mph	0.0504	0.0058	0.0246	0.0158	0.0095	0.0032	0.0075	0.0006	0.1175
15 mph	0.0619	0.0070	0.0301	0.0136	0.0085	0.0028	0.0058	0.0005	0.1302
20 mph	0.0324	0.0037	0.0157	0.0103	0.0064	0.0021	0.0111	0.0009	0.0826
25 mph	0.1396	0.0157	0.0673	0.0417	0.0323	0.0106	0.0441	0.0038	0.3552
30 mph	0.1474	0.0165	0.0708	0.0454	0.0284	0.0092	0.0345	0.0030	0.3551
35 mph	0.2581	0.0288	0.1236	0.0626	0.0285	0.0092	0.0238	0.0021	0.5368
40 mph	0.0570	0.0064	0.0272	0.0235	0.0166	0.0053	0.0222	0.0019	0.1601
45 mph	0.0452	0.0051	0.0216	0.0186	0.0132	0.0042	0.0161	0.0014	0.1253
50 mph	0.0469	0.0053	0.0225	0.0198	0.0141	0.0045	0.0143	0.0013	0.1287
55 mph	0.0330	0.0038	0.0159	0.0131	0.0092	0.0029	0.0047	0.0004	0.0831
60 mph	0.0522	0.0060	0.0253	0.0174	0.0114	0.0036	0.1897	0.0166	0.3224
65 mph	0.0084	0.0010	0.0041	0.0032	0.0022	0.0007	-	-	0.0196
70 mph	0.1187	0.0147	0.0571	0.0740	0.0584	0.0171	-	-	0.3398
total	1.0512	0.1196	0.5059	0.3591	0.2401	0.0758	0.3745	0.0326	2.7588

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0058	0.0000	0.0024	0.0053	0.1058	0.0802	0.6344	1.8363	2.6701
15 mph	0.0019	0.0000	0.0008	0.0018	0.0275	0.0213	0.1664	0.4551	0.6748
20 mph	0.0031	0.0000	0.0013	0.0030	0.0470	0.0363	0.2842	0.7645	1.1394
25 mph	0.0131	0.0000	0.0054	0.0125	0.2084	0.1619	1.3641	3.5515	5.3170
30 mph	0.0125	0.0000	0.0052	0.0119	0.2084	0.1608	1.0890	2.8315	4.3192
35 mph	0.0092	0.0000	0.0038	0.0089	0.1709	0.1318	0.4378	1.1580	1.9204
40 mph	0.0029	0.0000	0.0012	0.0028	0.0555	0.0424	0.4458	1.1754	1.7258
45 mph	0.0023	0.0000	0.0010	0.0022	0.0451	0.0340	0.3380	0.8899	1.3124
50 mph	0.0023	0.0000	0.0010	0.0022	0.0473	0.0352	0.5420	1.4066	2.0367
55 mph	0.0019	0.0000	0.0008	0.0019	0.0395	0.0291	0.1287	0.3361	0.5381
60 mph	0.0042	0.0000	0.0017	0.0041	0.0798	0.0585	0.1375	0.3564	0.6421
65 mph	0.0006	0.0000	0.0002	0.0006	0.0101	0.0073	-	-	0.0189
70 mph	-	-	-	-	-	-	-	-	-
total	0.0599	0.0002	0.0247	0.0571	1.0454	0.7987	5.5679	14.7612	22.3150

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0005	0.0000	0.0002	0.0009	0.0227	0.0172	-	-	0.0415
15 mph	0.0004	0.0000	0.0002	0.0008	0.0148	0.0114	-	-	0.0275
20 mph	0.0003	0.0000	0.0001	0.0006	0.0126	0.0097	0.5123	1.3783	1.9140
25 mph	0.0005	0.0000	0.0002	0.0011	0.0223	0.0174	0.7825	2.0372	2.8612
30 mph	0.0009	0.0000	0.0004	0.0019	0.0406	0.0313	1.1779	3.0627	4.3157
35 mph	0.0019	0.0000	0.0008	0.0038	0.0916	0.0706	1.0523	2.7834	4.0045
40 mph	0.0020	0.0000	0.0008	0.0040	0.0991	0.0757	0.8840	2.3308	3.3964
45 mph	0.0015	0.0000	0.0006	0.0031	0.0774	0.0582	0.6094	1.6042	2.3544
50 mph	0.0017	0.0000	0.0007	0.0035	0.0913	0.0680	0.3006	0.7802	1.2461
55 mph	0.0010	0.0000	0.0004	0.0020	0.0530	0.0391	0.1547	0.4039	0.6540
60 mph	0.0007	0.0000	0.0003	0.0013	0.0321	0.0235	11.5635	29.9816	41.6029
65 mph	0.0002	0.0000	0.0001	0.0005	0.0109	0.0079	-	-	0.0196
70 mph	0.0123	0.0000	0.0049	0.0249	0.5093	0.3698	-	-	0.9213
total	0.0240	0.0001	0.0098	0.0483	1.0776	0.7999	17.0372	44.3623	63.3592

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0003	0.0012	0.0023	0.0043
15 mph	0.0049	0.0000	0.0020	0.0026	0.0428	0.0331	0.2725	0.7454	1.1033
25 mph	-	-	-	-	0.0615	0.0478	0.8888	2.3140	3.3120
35 mph	0.0114	0.0000	0.0047	0.0057	-	-	-	-	0.0217
total	0.0163	0.0000	0.0067	0.0082	0.1048	0.0811	1.1625	3.0616	4.4413

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0003	0.0012	0.0023	0.0043
10 mph	0.0063	0.0000	0.0026	0.0062	0.1285	0.0974	0.6344	1.8363	2.7116
15 mph	0.0072	0.0000	0.0030	0.0051	0.0851	0.0657	0.4389	1.2005	1.8055
20 mph	0.0034	0.0000	0.0014	0.0036	0.0596	0.0461	0.7965	2.1428	3.0535
25 mph	0.0136	0.0000	0.0057	0.0136	0.2923	0.2270	3.0354	7.9026	11.4902
30 mph	0.0134	0.0000	0.0056	0.0138	0.2491	0.1921	2.2669	5.8941	8.6350
35 mph	0.0225	0.0001	0.0093	0.0184	0.2625	0.2024	1.4901	3.9414	5.9467
40 mph	0.0049	0.0000	0.0020	0.0068	0.1546	0.1181	1.3298	3.5062	5.1223
45 mph	0.0039	0.0000	0.0016	0.0053	0.1225	0.0922	0.9474	2.4940	3.6668
50 mph	0.0041	0.0000	0.0017	0.0057	0.1386	0.1032	0.8426	2.1869	3.2828
55 mph	0.0030	0.0000	0.0012	0.0039	0.0925	0.0682	0.2833	0.7400	1.1921
60 mph	0.0049	0.0000	0.0020	0.0054	0.1118	0.0820	11.7009	30.3380	42.2451
65 mph	0.0008	0.0000	0.0003	0.0011	0.0210	0.0152	-	-	0.0385
70 mph	0.0123	0.0000	0.0049	0.0249	0.5093	0.3698	-	-	0.9213
total	0.1002	0.0002	0.0412	0.1137	2.2277	1.6797	23.7676	62.1852	90.1155

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.2379	0.2379
15 mph								0.0665	0.0665
20 mph								0.1162	0.1162
25 mph								0.5889	0.5889
30 mph								0.5062	0.5062
35 mph								0.2174	0.2174
40 mph								0.2321	0.2321
45 mph								0.1793	0.1793
50 mph								0.2826	0.2826
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.4272	2.4272

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.2094	0.2094
25 mph								0.3378	0.3378
30 mph								0.5475	0.5475
35 mph								0.5226	0.5226
40 mph								0.4603	0.4603
45 mph								0.3233	0.3233
50 mph								0.1568	0.1568
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.6173	1.6173

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0004	0.0004
15 mph								0.1090	0.1090
25 mph								0.3837	0.3837
35 mph								-	-
total	-	-	-	-	-	-	-	0.4931	0.4931

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0004	0.0004
10 mph								0.2379	0.2379
15 mph								0.1755	0.1755
20 mph								0.3256	0.3256
25 mph								1.3103	1.3103
30 mph								1.0537	1.0537
35 mph								0.7400	0.7400
40 mph								0.6924	0.6924
45 mph								0.5026	0.5026
50 mph								0.4393	0.4393
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.4780	5.4780

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0018	0.0007	0.0018	0.0027	0.0070
10 mph	0.0567	0.0058	0.0272	0.0220	0.1380	0.1005	0.6419	2.0748	3.0670
15 mph	0.0691	0.0071	0.0331	0.0187	0.0936	0.0686	0.4447	1.3765	2.1113
20 mph	0.0359	0.0037	0.0171	0.0139	0.0660	0.0482	0.8076	2.4694	3.4618
25 mph	0.1533	0.0157	0.0730	0.0554	0.3246	0.2376	3.0795	9.2167	13.1557
30 mph	0.1608	0.0165	0.0763	0.0591	0.2775	0.2013	2.3015	6.9508	10.0438
35 mph	0.2806	0.0289	0.1329	0.0810	0.2910	0.2116	1.5139	4.6835	7.2234
40 mph	0.0618	0.0064	0.0293	0.0303	0.1712	0.1234	1.3520	4.2005	5.9748
45 mph	0.0490	0.0051	0.0232	0.0239	0.1356	0.0964	0.9635	2.9981	4.2948
50 mph	0.0509	0.0053	0.0242	0.0255	0.1528	0.1077	0.8570	2.6275	3.8508
55 mph	0.0360	0.0038	0.0171	0.0170	0.1017	0.0711	0.2881	0.7404	1.2752
60 mph	0.0571	0.0061	0.0273	0.0228	0.1233	0.0856	11.8906	30.3547	42.5675
65 mph	0.0092	0.0010	0.0044	0.0043	0.0232	0.0159	-	-	0.0580
70 mph	0.1309	0.0147	0.0620	0.0988	0.5677	0.3869	-	-	1.2611
STREX	0.1226	0.0103	0.0530	0.1109	0.0500	0.0148	0.0204	0.0000	0.3821
total	1.2740	0.1301	0.6001	0.5837	2.5178	1.7704	24.1625	67.6957	**98.7344**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0207	0.0227	0.0238	0.0255	0.0348	0.0349	0.0295	0.0046
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1226	0.0103	0.0530	0.1109	0.0500	0.0148	0.0204	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1226	0.0103	0.0530	0.1109	0.0500	0.0148	0.0204	0.0000

World Logistics Center
Mobile Emissions - 2030 (Net) - Unmitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.9712	1.9903	3.3637	2.4465
10 mph	0.0054	0.0112	0.0090	0.0107	0.0114	0.0094	0.0206	0.3096
15 mph	0.0036	0.0076	0.0061	0.0072	0.0077	0.0063	0.0138	0.2055
20 mph	0.0026	0.0054	0.0043	0.0051	0.0056	0.0044	0.0097	0.1447
25 mph	0.0019	0.0041	0.0032	0.0038	0.0042	0.0033	0.0071	0.1072
30 mph	0.0015	0.0032	0.0025	0.0029	0.0033	0.0026	0.0055	0.0838
35 mph	0.0012	0.0026	0.0020	0.0024	0.0028	0.0021	0.0045	0.0692
40 mph	0.0010	0.0023	0.0018	0.0021	0.0024	0.0019	0.0039	0.0604
45 mph	0.0010	0.0021	0.0016	0.0019	0.0023	0.0017	0.0036	0.0554
50 mph	0.0009	0.0020	0.0015	0.0019	0.0022	0.0016	0.0034	0.0537
55 mph	0.0009	0.0020	0.0016	0.0019	0.0023	0.0017	0.0035	0.0547
60 mph	0.0010	0.0021	0.0016	0.0020	0.0024	0.0018	0.0038	0.0585
65 mph	0.0011	0.0023	0.0018	0.0022	0.0028	0.0020		
70 mph	0.0012	0.0028	0.0019	0.0024	0.0030	0.0020		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0241	0.1098
10 mph	0.0041	0.0159	0.0091	0.0044	0.0256	0.0257	0.0016	0.0038
15 mph	0.0021	0.0100	0.0044	0.0022	0.0129	0.0130	0.0009	0.0022
20 mph	0.0009	0.0065	0.0017	0.0009	0.0056	0.0056	0.0006	0.0013
25 mph	0.0005	0.0050	0.0011	0.0005	0.0035	0.0035	0.0005	0.0011
30 mph	0.0004	0.0041	0.0008	0.0004	0.0028	0.0028	0.0004	0.0009
35 mph	0.0003	0.0035	0.0006	0.0003	0.0023	0.0023	0.0003	0.0007
40 mph	0.0003	0.0032	0.0005	0.0003	0.0020	0.0019	0.0003	0.0006
45 mph	0.0002	0.0030	0.0004	0.0002	0.0017	0.0017	0.0002	0.0006
50 mph	0.0002	0.0030	0.0004	0.0002	0.0016	0.0016	0.0002	0.0006
55 mph	0.0002	0.0031	0.0003	0.0002	0.0015	0.0015	0.0003	0.0006
60 mph	0.0002	0.0033	0.0003	0.0002	0.0015	0.0015	0.0003	0.0007
65 mph	0.0002	0.0038	0.0003	0.0002	0.0017	0.0016		
70 mph	0.0002	0.0043	0.0003	0.0002	0.0025	0.0023		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.9094
10 mph								11.2382
15 mph								7.7245
20 mph								5.4622
25 mph								4.0087
30 mph								2.9733
35 mph								2.2080
40 mph								1.6429
45 mph								1.2267
50 mph								0.9213
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0497	0.0078	0.0309	0.0192	0.0091	0.0022	0.0083	0.0010	0.1281
15 mph	0.0132	0.0021	0.0083	0.0051	0.0025	0.0006	0.0018	0.0002	0.0339
20 mph	0.0186	0.0030	0.0117	0.0073	0.0036	0.0008	0.0026	0.0003	0.0480
25 mph	0.0687	0.0113	0.0435	0.0270	0.0133	0.0031	0.0105	0.0012	0.1785
30 mph	0.0587	0.0098	0.0372	0.0232	0.0116	0.0027	0.0074	0.0009	0.1513
35 mph	0.0393	0.0066	0.0250	0.0156	0.0079	0.0018	0.0027	0.0003	0.0992
40 mph	0.0114	0.0019	0.0072	0.0045	0.0023	0.0005	0.0026	0.0003	0.0308
45 mph	0.0087	0.0015	0.0055	0.0035	0.0018	0.0004	0.0019	0.0002	0.0235
50 mph	0.0084	0.0014	0.0053	0.0033	0.0018	0.0004	0.0030	0.0004	0.0240
55 mph	0.0068	0.0011	0.0043	0.0027	0.0015	0.0003	0.0007	0.0001	0.0175
60 mph	0.0144	0.0024	0.0090	0.0057	0.0031	0.0007	0.0008	0.0001	0.0361
65 mph	0.0020	0.0003	0.0012	0.0008	0.0004	0.0001	-	-	0.0049
70 mph	-	-	-	-	-	-	-	-	-
total	0.2999	0.0492	0.1892	0.1177	0.0589	0.0136	0.0422	0.0050	0.7758

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0041	0.0006	0.0026	0.0033	0.0020	0.0005	-	-	0.0131
15 mph	0.0027	0.0004	0.0017	0.0022	0.0013	0.0003	-	-	0.0087
20 mph	0.0019	0.0003	0.0012	0.0016	0.0010	0.0002	0.0047	0.0005	0.0114
25 mph	0.0028	0.0005	0.0018	0.0023	0.0014	0.0003	0.0060	0.0007	0.0159
30 mph	0.0044	0.0007	0.0028	0.0036	0.0023	0.0005	0.0080	0.0009	0.0233
35 mph	0.0081	0.0014	0.0052	0.0067	0.0042	0.0010	0.0065	0.0008	0.0339
40 mph	0.0078	0.0013	0.0050	0.0065	0.0042	0.0009	0.0052	0.0006	0.0316
45 mph	0.0058	0.0010	0.0037	0.0048	0.0031	0.0007	0.0034	0.0004	0.0228
50 mph	0.0063	0.0011	0.0040	0.0052	0.0034	0.0008	0.0017	0.0002	0.0225
55 mph	0.0035	0.0006	0.0022	0.0029	0.0020	0.0004	0.0009	0.0001	0.0126
60 mph	0.0022	0.0004	0.0014	0.0018	0.0013	0.0003	0.0638	0.0076	0.0788
65 mph	0.0008	0.0001	0.0005	0.0007	0.0005	0.0001	-	-	0.0027
70 mph	0.0413	0.0073	0.0252	0.0344	0.0234	0.0047	-	-	0.1364
total	0.0919	0.0157	0.0572	0.0761	0.0499	0.0107	0.1001	0.0119	0.4136

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1949	0.0582	0.1511	0.0012	0.4054
15 mph	0.0341	0.0054	0.0214	0.0075	0.0038	0.0009	0.0030	0.0003	0.0765
25 mph	-	-	-	-	0.0039	0.0009	0.0068	0.0008	0.0125
35 mph	0.0484	0.0081	0.0307	0.0099	-	-	-	-	0.0972
total	0.0825	0.0136	0.0521	0.0174	0.2027	0.0600	0.1610	0.0023	0.5916

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1949	0.0582	0.1511	0.0012	0.4054
10 mph	0.0538	0.0085	0.0335	0.0225	0.0111	0.0027	0.0083	0.0010	0.1412
15 mph	0.0501	0.0080	0.0314	0.0148	0.0076	0.0018	0.0049	0.0006	0.1192
20 mph	0.0205	0.0033	0.0130	0.0088	0.0045	0.0011	0.0073	0.0008	0.0594
25 mph	0.0715	0.0118	0.0453	0.0293	0.0187	0.0044	0.0234	0.0027	0.2069
30 mph	0.0631	0.0105	0.0400	0.0268	0.0138	0.0032	0.0153	0.0018	0.1746
35 mph	0.0959	0.0161	0.0608	0.0322	0.0122	0.0028	0.0092	0.0011	0.2303
40 mph	0.0192	0.0032	0.0122	0.0110	0.0065	0.0015	0.0078	0.0009	0.0624
45 mph	0.0145	0.0024	0.0092	0.0082	0.0049	0.0011	0.0053	0.0006	0.0463
50 mph	0.0147	0.0025	0.0093	0.0085	0.0052	0.0011	0.0047	0.0006	0.0464
55 mph	0.0103	0.0017	0.0065	0.0056	0.0034	0.0007	0.0016	0.0002	0.0301
60 mph	0.0166	0.0027	0.0104	0.0075	0.0044	0.0010	0.0646	0.0077	0.1149
65 mph	0.0028	0.0005	0.0018	0.0015	0.0009	0.0002	-	-	0.0076
70 mph	0.0413	0.0073	0.0252	0.0344	0.0234	0.0047	-	-	0.1364
total	0.4744	0.0785	0.2985	0.2112	0.3115	0.0844	0.3033	0.0192	1.7811

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0004	0.0000	0.0003	0.0002	0.0192	0.0131	0.0037	0.0162	0.0532
15 mph	0.0001	0.0000	0.0001	0.0000	0.0039	0.0026	0.0007	0.0031	0.0105
20 mph	0.0001	0.0000	0.0000	0.0000	0.0034	0.0023	0.0009	0.0038	0.0105
25 mph	0.0002	0.0000	0.0001	0.0001	0.0107	0.0072	0.0040	0.0174	0.0397
30 mph	0.0002	0.0000	0.0001	0.0001	0.0092	0.0062	0.0029	0.0128	0.0315
35 mph	0.0001	0.0000	0.0001	0.0001	0.0062	0.0042	0.0011	0.0047	0.0164
40 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0012	0.0010	0.0045	0.0086
45 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0009	0.0008	0.0033	0.0063
50 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0008	0.0012	0.0054	0.0087
55 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0006	0.0003	0.0014	0.0032
60 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0012	0.0004	0.0016	0.0050
65 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0012	0.0000	0.0008	0.0007	0.0598	0.0404	0.0171	0.0741	0.1940

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0041	0.0028	-	-	0.0070
15 mph	0.0000	0.0000	0.0000	0.0000	0.0021	0.0014	-	-	0.0035
20 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0006	0.0017	0.0069	0.0101
25 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0008	0.0023	0.0100	0.0142
30 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0012	0.0032	0.0138	0.0200
35 mph	0.0000	0.0000	0.0000	0.0000	0.0033	0.0022	0.0026	0.0113	0.0196
40 mph	0.0000	0.0000	0.0000	0.0000	0.0032	0.0021	0.0021	0.0089	0.0163
45 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0015	0.0014	0.0060	0.0111
50 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0015	0.0007	0.0030	0.0076
55 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0008	0.0004	0.0017	0.0041
60 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0307	0.1343	0.1662
65 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	-	-	0.0005
70 mph	0.0001	0.0000	0.0000	0.0001	0.0189	0.0115	-	-	0.0307
total	0.0003	0.0000	0.0001	0.0003	0.0422	0.0272	0.0449	0.1958	0.3109

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0137	0.0093	0.0062	0.0523	0.0816
15 mph	0.0002	0.0000	0.0001	0.0001	0.0060	0.0041	0.0011	0.0050	0.0167
25 mph	-	-	-	-	0.0032	0.0021	0.0026	0.0113	0.0192
35 mph	0.0002	0.0000	0.0001	0.0000	-	-	-	-	0.0003
total	0.0004	0.0000	0.0002	0.0001	0.0229	0.0155	0.0100	0.0687	0.1178

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0137	0.0093	0.0062	0.0523	0.0816
10 mph	0.0005	0.0000	0.0003	0.0003	0.0234	0.0159	0.0037	0.0162	0.0602
15 mph	0.0003	0.0000	0.0002	0.0001	0.0120	0.0082	0.0018	0.0081	0.0307
20 mph	0.0001	0.0000	0.0000	0.0000	0.0042	0.0029	0.0026	0.0107	0.0206
25 mph	0.0002	0.0000	0.0001	0.0001	0.0150	0.0101	0.0089	0.0387	0.0732
30 mph	0.0002	0.0000	0.0001	0.0001	0.0110	0.0074	0.0061	0.0266	0.0515
35 mph	0.0003	0.0000	0.0002	0.0001	0.0095	0.0064	0.0037	0.0160	0.0362
40 mph	0.0001	0.0000	0.0000	0.0000	0.0050	0.0033	0.0031	0.0134	0.0249
45 mph	0.0000	0.0000	0.0000	0.0000	0.0036	0.0024	0.0021	0.0093	0.0174
50 mph	0.0000	0.0000	0.0000	0.0000	0.0035	0.0023	0.0019	0.0084	0.0163
55 mph	0.0000	0.0000	0.0000	0.0000	0.0021	0.0014	0.0007	0.0030	0.0073
60 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0017	0.0311	0.1358	0.1712
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	-	-	0.0009
70 mph	0.0001	0.0000	0.0000	0.0001	0.0189	0.0115	-	-	0.0307
total	0.0019	0.0000	0.0011	0.0011	0.1250	0.0831	0.0720	0.3385	0.6227

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								3.0329	3.0329
15 mph								0.6949	0.6949
20 mph								0.9828	0.9828
25 mph								3.9668	3.9668
30 mph								2.6747	2.6747
35 mph								0.8938	0.8938
40 mph								0.7390	0.7390
45 mph								0.4414	0.4414
50 mph								0.5387	0.5387
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	13.9650	13.9650

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1.7717	1.7717
25 mph								2.2754	2.2754
30 mph								2.8931	2.8931
35 mph								2.1484	2.1484
40 mph								1.4654	1.4654
45 mph								0.7957	0.7957
50 mph								0.2988	0.2988
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	9.0886	9.0886

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0577	0.0577
15 mph								1.1381	1.1381
25 mph								2.5845	2.5845
35 mph								-	-
total	-	-	-	-	-	-	-	3.7803	3.7803

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0577	0.0577
10 mph								3.0329	3.0329
15 mph								1.8330	1.8330
20 mph								2.7544	2.7544
25 mph								8.8267	8.8267
30 mph								5.5679	5.5679
35 mph								3.0423	3.0423
40 mph								2.2044	2.2044
45 mph								1.2371	1.2371
50 mph								0.8375	0.8375
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	29.3939	29.3939

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2086	0.0675	0.1573	0.1112	0.5447
10 mph	0.0542	0.0085	0.0338	0.0227	0.0345	0.0186	0.0120	3.0500	3.2343
15 mph	0.0504	0.0080	0.0316	0.0149	0.0196	0.0100	0.0067	1.8416	1.9828
20 mph	0.0206	0.0033	0.0130	0.0089	0.0088	0.0039	0.0099	2.7659	2.8344
25 mph	0.0717	0.0118	0.0454	0.0294	0.0337	0.0145	0.0322	8.8681	9.1068
30 mph	0.0633	0.0105	0.0402	0.0269	0.0248	0.0106	0.0214	5.5963	5.7939
35 mph	0.0962	0.0161	0.0610	0.0324	0.0217	0.0092	0.0129	3.0594	3.3088
40 mph	0.0193	0.0032	0.0122	0.0111	0.0115	0.0048	0.0109	2.2187	2.2917
45 mph	0.0145	0.0024	0.0092	0.0083	0.0085	0.0035	0.0075	1.2470	1.3009
50 mph	0.0147	0.0025	0.0093	0.0085	0.0087	0.0035	0.0066	0.8465	0.9003
55 mph	0.0104	0.0017	0.0065	0.0056	0.0055	0.0022	0.0022	0.0032	0.0374
60 mph	0.0167	0.0027	0.0104	0.0075	0.0069	0.0026	0.0957	0.1436	0.2861
65 mph	0.0028	0.0005	0.0018	0.0015	0.0014	0.0005	-	-	0.0085
70 mph	0.0414	0.0073	0.0252	0.0345	0.0423	0.0163	-	-	0.1671
STREX	0.1880	0.0185	0.0961	0.2148	0.0234	0.0069	0.0230	0.0000	0.5708
total	0.6642	0.0971	0.3957	0.4271	0.4598	0.1745	0.3983	29.7516	**32.3684**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0317	0.0411	0.0432	0.0494	0.0162	0.0163	0.0333	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1880	0.0185	0.0961	0.2148	0.0234	0.0069	0.0230	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1880	0.0185	0.0961	0.2148	0.0234	0.0069	0.0230	0.0000

World Logistics Center
Mobile Emissions - 2030 (Net) - Unmitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,216.28	4,926.28	12,488.75	20,655.89
10 mph	430.46	504.33	515.50	634.80	1,384.39	1,594.48	2,850.60	3,361.67
15 mph	351.85	412.20	421.22	518.34	1,131.02	1,301.73	2,332.73	2,758.43
20 mph	292.64	342.83	350.33	431.15	940.41	1,082.62	1,937.50	2,298.30
25 mph	250.19	293.17	299.62	369.00	803.82	925.23	1,657.70	1,967.59
30 mph	222.05	260.23	266.02	327.95	713.55	821.41	1,472.76	1,746.15
35 mph	205.93	241.37	246.78	304.66	661.82	762.03	1,366.48	1,616.96
40 mph	199.52	233.86	239.10	295.23	640.72	737.77	1,322.23	1,563.25
45 mph	200.60	235.01	240.22	296.52	643.07	740.46	1,327.96	1,564.56
50 mph	206.60	242.00	247.31	305.53	662.01	761.96	1,366.03	1,607.00
55 mph	214.64	251.37	256.98	317.62	689.10	793.10	1,419.94	1,669.61
60 mph	221.02	259.19	265.18	328.18	716.98	825.17	1,476.80	1,734.25
65 mph	226.43	265.98	272.23	337.51	738.74	849.85		
70 mph	229.39	269.76	274.97	345.23	749.14	858.85		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,420.19	5,521.81	5,715.62	5,142.16
10 mph	362.74	771.23	487.12	606.30	894.25	1,000.67	1,742.87	2,743.95
15 mph	298.39	641.51	404.03	513.74	581.99	663.89	1,371.15	2,040.22
20 mph	244.77	526.75	331.90	426.71	496.66	566.92	1,171.03	1,713.67
25 mph	205.23	439.99	278.30	361.32	440.41	505.13	1,022.02	1,447.37
30 mph	177.81	378.47	240.63	312.57	400.37	456.05	897.48	1,269.32
35 mph	160.80	339.14	217.13	284.20	401.15	456.93	801.78	1,153.60
40 mph	150.49	316.01	202.63	265.96	390.60	440.71	734.79	1,053.83
45 mph	145.38	304.96	195.38	255.91	381.17	423.85	696.44	997.28
50 mph	145.83	304.90	195.62	257.42	399.90	439.85	687.20	970.12
55 mph	152.57	318.96	204.50	271.62	417.42	454.72	706.99	1,004.43
60 mph	165.42	345.76	221.55	294.11	421.41	456.14	755.18	1,065.08
65 mph	186.07	385.35	248.78	330.95	427.89	458.51		
70 mph	202.44	401.64	266.23	360.81	436.41	468.02		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,325.64
10 mph								4,324.49
15 mph								3,628.72
20 mph								3,167.69
25 mph								2,919.19
30 mph								2,760.29
35 mph								2,634.53
40 mph								2,531.45
45 mph								2,444.84
50 mph								2,370.73
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	3,928.49	350.43	1,766.68	1,134.84	1,105.72	376.66	1,143.41	10.44	9,816.67
15 mph	1,284.43	114.57	577.43	370.66	361.34	123.00	311.90	2.86	3,146.18
20 mph	2,136.55	190.57	960.49	616.61	600.89	204.60	518.10	4.76	5,232.57
25 mph	9,133.20	814.84	4,107.38	2,638.66	2,568.07	874.26	2,438.07	22.41	22,596.89
30 mph	8,916.45	795.62	4,011.36	2,579.58	2,507.65	853.77	1,969.15	18.08	21,651.66
35 mph	6,765.74	603.77	3,044.72	1,960.73	1,902.98	648.04	822.17	7.53	15,755.68
40 mph	2,185.07	195.00	983.29	633.34	614.10	209.14	883.94	8.09	5,711.96
45 mph	1,830.71	163.29	823.27	530.09	513.62	174.92	710.21	6.48	4,752.60
50 mph	1,885.53	168.15	847.57	546.19	528.75	180.00	1,187.19	10.81	5,354.19
55 mph	1,567.08	139.73	704.54	454.24	440.32	149.88	284.78	2.59	3,743.16
60 mph	3,227.42	288.16	1,454.06	938.70	916.25	311.88	296.18	2.69	7,435.35
65 mph	413.29	36.96	186.59	120.67	118.01	40.15	-	-	915.67
70 mph	-	-	-	-	-	-	-	-	-
total	43,273.94	3,861.10	19,467.38	12,524.32	12,177.71	4,146.29	10,565.10	96.74	106,112.58

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	324.91	28.98	146.11	196.02	237.11	80.77	-	-	1,013.90
15 mph	265.57	23.69	119.39	160.06	193.71	65.94	-	-	828.36
20 mph	220.88	19.70	99.30	133.13	161.06	54.84	934.01	8.58	1,631.51
25 mph	377.68	33.70	169.85	227.89	275.34	93.74	1,398.48	12.85	2,589.53
30 mph	670.40	59.82	301.60	405.06	488.84	166.43	2,129.93	19.55	4,241.65
35 mph	1,398.91	124.84	629.54	846.69	1,020.16	347.41	1,976.23	18.11	6,361.88
40 mph	1,505.98	134.39	677.69	911.63	1,097.37	373.72	1,752.88	16.05	6,469.71
45 mph	1,211.28	108.04	544.71	732.50	881.11	300.07	1,280.34	11.68	5,069.73
50 mph	1,403.49	125.17	630.89	849.10	1,020.44	347.38	658.52	6.00	5,040.98
55 mph	810.04	72.23	364.19	490.38	590.12	200.87	342.26	3.12	2,873.20
60 mph	500.49	44.69	225.49	304.01	368.39	125.40	24,917.33	226.56	26,712.35
65 mph	170.91	15.29	77.16	104.22	126.53	43.05	-	-	537.15
70 mph	7,964.69	713.12	3,585.13	4,903.78	5,902.11	2,001.24	-	-	25,070.07
total	16,825.22	1,503.65	7,571.05	10,264.48	12,362.29	4,200.85	35,389.99	322.49	88,440.02

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	416.88	144.06	561.02	10.04	1,132.01
15 mph	3,308.11	295.07	1,487.20	537.96	561.46	191.12	510.83	4.68	6,896.44
25 mph	-	-	-	-	757.85	258.00	1,588.51	14.60	2,618.95
35 mph	8,330.61	743.42	3,748.94	1,250.17	-	-	-	-	14,073.14
total	11,638.72	1,038.49	5,236.14	1,788.13	1,736.19	593.18	2,660.37	29.32	24,720.54

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	416.88	144.06	561.02	10.04	1,132.01
10 mph	4,253.39	379.42	1,912.79	1,330.86	1,342.83	457.43	1,143.41	10.44	10,830.57
15 mph	4,858.12	433.33	2,184.03	1,068.67	1,116.52	380.06	822.73	7.53	10,870.98
20 mph	2,357.43	210.27	1,059.79	749.74	761.96	259.44	1,452.12	13.34	6,864.08
25 mph	9,510.89	848.54	4,277.23	2,866.55	3,601.25	1,225.99	5,425.07	49.86	27,805.37
30 mph	9,586.85	855.44	4,312.97	2,984.65	2,996.49	1,020.20	4,099.08	37.63	25,893.31
35 mph	16,495.26	1,472.03	7,423.19	4,057.59	2,923.14	995.45	2,798.40	25.64	36,190.70
40 mph	3,691.05	329.39	1,660.98	1,544.97	1,711.47	582.86	2,636.82	24.14	12,181.67
45 mph	3,041.99	271.34	1,367.98	1,262.59	1,394.73	474.99	1,990.56	18.16	9,822.33
50 mph	3,289.02	293.32	1,478.46	1,395.29	1,549.19	527.37	1,845.71	16.81	10,395.17
55 mph	2,377.11	211.96	1,068.73	944.62	1,030.43	350.76	627.03	5.71	6,616.36
60 mph	3,727.91	332.85	1,679.55	1,242.71	1,284.65	437.28	25,213.51	229.25	34,147.70
65 mph	584.19	52.25	263.75	224.90	244.53	83.20	-	-	1,452.82
70 mph	7,964.69	713.12	3,585.13	4,903.78	5,902.11	2,001.24	-	-	25,070.07
total	71,737.89	6,403.24	32,274.57	24,576.93	26,276.19	8,940.32	48,615.46	448.54	219,273.15

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	36.79	0.09	15.12	33.44	673.11	510.01	4,036.24	11,682.17	16,986.97
15 mph	12.10	0.03	5.02	11.34	175.23	135.34	1,058.46	2,895.36	4,292.88
20 mph	19.86	0.05	8.24	18.83	299.07	231.15	1,807.96	4,863.89	7,249.05
25 mph	83.26	0.21	34.55	79.72	1,326.01	1,029.79	8,678.45	22,594.22	33,826.22
30 mph	79.35	0.20	32.87	75.86	1,325.99	1,022.69	6,928.07	18,013.49	27,478.52
35 mph	58.71	0.15	24.26	56.44	1,087.03	838.36	2,785.19	7,367.06	12,217.20
40 mph	18.32	0.05	7.55	17.60	352.81	269.54	2,836.10	7,477.65	10,979.62
45 mph	14.74	0.04	6.06	14.12	286.91	216.02	2,150.47	5,661.15	8,349.51
50 mph	14.79	0.04	6.07	14.20	301.01	224.18	3,448.13	8,948.82	12,957.23
55 mph	12.38	0.03	5.08	11.99	251.35	185.40	818.65	2,138.15	3,423.03
60 mph	26.84	0.07	11.00	25.96	507.52	371.97	874.44	2,267.24	4,085.04
65 mph	3.77	0.01	1.54	3.65	64.42	46.74	-	-	120.13
70 mph	-	-	-	-	-	-	-	-	-
total	380.92	0.96	157.37	363.14	6,650.46	5,081.19	35,422.17	93,909.20	141,965.41

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	3.04	0.01	1.25	5.78	144.34	109.36	-	-	263.78
15 mph	2.50	0.01	1.04	4.89	93.94	72.56	-	-	174.94
20 mph	2.05	0.01	0.85	4.07	80.16	61.96	3,259.31	8,768.38	12,176.80
25 mph	3.44	0.01	1.43	6.89	142.17	110.41	4,977.99	12,960.12	18,202.46
30 mph	5.97	0.02	2.47	11.91	258.49	199.36	7,493.76	19,484.32	27,456.31
35 mph	12.14	0.03	5.02	24.37	582.74	449.43	6,694.69	17,707.99	25,476.41
40 mph	12.62	0.03	5.20	25.34	630.45	481.65	5,624.08	14,828.40	21,607.79
45 mph	9.76	0.02	4.01	19.51	492.19	370.57	3,876.77	10,205.65	14,978.48
50 mph	11.01	0.03	4.52	22.07	580.92	432.64	1,912.65	4,963.85	7,927.70
55 mph	6.40	0.02	2.63	12.94	336.87	248.48	983.88	2,569.70	4,160.91
60 mph	4.16	0.01	1.71	8.41	204.05	149.55	73,565.50	190,739.82	264,673.22
65 mph	1.56	0.00	0.64	3.15	69.06	50.11	-	-	124.53
70 mph	78.11	0.18	31.44	158.14	3,240.19	2,352.86	-	-	5,860.93
total	152.77	0.37	62.20	307.46	6,855.59	5,088.96	108,388.63	282,228.24	403,084.23

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	318.69	348.38	1,482.41	2,451.80	4,601.29
15 mph	31.18	0.08	12.92	16.45	272.28	210.30	1,733.56	4,742.07	7,018.83
25 mph	-	-	-	-	391.31	303.90	5,654.41	14,721.18	21,070.80
35 mph	72.29	0.18	29.88	35.98	-	-	-	-	138.33
total	103.47	0.26	42.80	52.44	982.28	862.58	8,870.38	21,915.05	32,829.25

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	318.69	348.38	1,482.41	2,451.80	4,601.29
10 mph	39.83	0.10	16.37	39.22	817.45	619.37	4,036.24	11,682.17	17,250.75
15 mph	45.78	0.12	18.97	32.68	541.44	418.20	2,792.01	7,637.43	11,486.65
20 mph	21.91	0.06	9.09	22.90	379.23	293.11	5,067.28	13,632.27	19,425.85
25 mph	86.70	0.22	35.98	86.61	1,859.49	1,444.10	19,310.85	50,275.52	73,099.48
30 mph	85.31	0.22	35.34	87.77	1,584.48	1,222.06	14,421.84	37,497.81	54,934.83
35 mph	143.14	0.36	59.16	116.79	1,669.76	1,287.80	9,479.88	25,075.05	37,831.93
40 mph	30.94	0.08	12.75	42.95	983.26	751.19	8,460.18	22,306.06	32,587.41
45 mph	24.50	0.06	10.08	33.62	779.10	586.59	6,027.24	15,866.80	23,327.99
50 mph	25.80	0.06	10.59	36.27	881.93	656.81	5,360.78	13,912.67	20,884.93
55 mph	18.78	0.05	7.70	24.93	588.22	433.89	1,802.53	4,707.84	7,583.94
60 mph	31.01	0.08	12.71	34.36	711.57	521.52	74,439.95	193,007.06	268,758.26
65 mph	5.33	0.01	2.18	6.80	133.48	96.85	-	-	244.66
70 mph	78.11	0.18	31.44	158.14	3,240.19	2,352.86	-	-	5,860.93
total	637.15	1.59	262.37	723.04	14,488.33	11,032.74	152,681.19	398,052.49	577,878.89

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1,167.08	1,167.08
15 mph								326.43	326.43
20 mph								569.92	569.92
25 mph								2,888.67	2,888.67
30 mph								2,483.12	2,483.12
35 mph								1,066.49	1,066.49
40 mph								1,138.63	1,138.63
45 mph								879.74	879.74
50 mph								1,386.24	1,386.24
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	11,906.33	11,906.33

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1,027.43	1,027.43
25 mph								1,656.95	1,656.95
30 mph								2,685.87	2,685.87
35 mph								2,563.50	2,563.50
40 mph								2,257.93	2,257.93
45 mph								1,585.95	1,585.95
50 mph								768.94	768.94
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	7,933.75	7,933.75

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								160.96	160.96
15 mph								534.64	534.64
25 mph								1,882.10	1,882.10
35 mph								-	-
total	-	-	-	-	-	-	-	2,577.71	2,577.71

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								160.96	160.96
10 mph								1,167.08	1,167.08
15 mph								861.07	861.07
20 mph								1,597.35	1,597.35
25 mph								6,427.72	6,427.72
30 mph								5,169.00	5,169.00
35 mph								3,629.99	3,629.99
40 mph								3,396.56	3,396.56
45 mph								2,465.69	2,465.69
50 mph								2,155.18	2,155.18
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	27,030.61	27,030.61

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	735.57	492.44	2,043.43	2,622.81	5,894.26
10 mph	4,293.22	379.52	1,929.16	1,370.08	2,160.28	1,076.80	5,179.65	12,859.69	29,248.40
15 mph	4,903.90	433.44	2,203.00	1,101.36	1,657.96	798.27	3,614.74	8,506.04	23,218.70
20 mph	2,379.34	210.33	1,068.89	772.64	1,141.19	552.54	6,519.39	15,242.96	27,887.28
25 mph	9,597.59	848.76	4,313.22	2,953.16	5,460.75	2,670.09	24,735.92	56,753.10	107,332.57
30 mph	9,672.16	855.66	4,348.30	3,072.42	4,580.98	2,242.26	18,520.92	42,704.44	85,997.13
35 mph	16,638.40	1,472.39	7,482.35	4,174.38	4,592.91	2,283.25	12,278.28	28,730.68	77,652.63
40 mph	3,721.98	329.47	1,673.73	1,587.92	2,694.73	1,334.05	11,097.00	25,726.76	48,165.64
45 mph	3,066.49	271.40	1,378.06	1,296.22	2,173.84	1,061.58	8,017.79	18,350.65	35,616.02
50 mph	3,314.82	293.38	1,489.05	1,431.56	2,431.13	1,184.19	7,206.49	16,084.67	33,435.29
55 mph	2,395.89	212.01	1,076.43	969.55	1,618.66	784.64	2,429.56	4,713.55	14,200.30
60 mph	3,758.91	332.92	1,692.26	1,277.08	1,996.22	958.80	99,653.46	193,236.32	302,905.96
65 mph	589.53	52.26	265.93	231.70	378.01	180.05	-	-	1,697.48
70 mph	8,042.80	713.31	3,616.57	5,061.92	9,142.30	4,354.10	-	-	30,930.99
STREX	271.30	24.31	125.06	302.16	25.01	8.44	23.60	0.22	780.09
total	72,646.33	6,429.14	32,661.99	25,602.14	40,789.53	19,981.50	201,320.24	425,531.87	**824,962.74**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	45.79	53.88	56.20	69.45	17.39	19.84	34.09	41.36
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	271.30	24.31	125.06	302.16	25.01	8.44	23.60	0.22
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	271.30	24.31	125.06	302.16	25.01	8.44	23.60	0.22

World Logistics Center
Mobile Emissions - 2031 (Net) - Unmitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
38.71	1,184.58	688.45	8.11	10.77	174.74	108.08	293.59	10.27	42.89	42.28	95.45	7.81	103.44	34.80	875,381.93

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
7.06	216.19	125.64	1.48	1.97	31.89	19.72	53.58	1.87	7.83	7.72	17.42	1.42	18.88	6.35	159,757.20

World Logistics Center
Mobile Emissions - 2031 (Net) - Unmitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	3,090.07	34.91	149.03	142,783.02	1,613.15	6,886.20
LDT1	235.49	0.04	6.03	10,881.23	1.76	278.72
LDT2	1,160.94	10.72	37.22	53,643.30	495.57	1,719.91
MDT	2,079.33	65.66	70.84	31,847.32	1,005.73	1,085.06
LHDT1	680.25	658.07	-	15,744.95	15,231.45	-
LHDT2	200.22	443.21	-	4,634.33	10,258.49	-
MHDT	329.34	1,925.41	-	14,697.48	85,926.33	-
HHDT	2.66	3,527.71	229.32	118.55	157,432.79	10,233.76

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	101,011.82	1,141.22	4,871.64	41,771.19	471.93	2,014.56
LDT1	7,697.92	1.25	197.18	3,183.30	0.52	81.54
LDT2	37,949.94	350.59	1,216.75	15,693.36	144.98	503.16
MDT	17,088.69	539.65	582.23	14,758.63	466.07	502.84
LHDT1	7,598.28	7,350.48	-	8,146.67	7,880.98	-
LHDT2	2,236.46	4,950.60	-	2,397.87	5,307.90	-
MHDT	3,191.29	18,657.30	-	11,506.20	67,269.03	-
HHDT	25.74	34,183.60	2,222.07	92.81	123,249.19	8,011.69

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	5,050.59	384.90	1,897.50	854.43	379.91	111.82	191.48	1.54	8,872.18
15 mph	2,020.24	153.96	759.00	341.77	151.97	44.73	63.83	0.51	3,536.00
20 mph	4,040.47	307.92	1,518.00	683.55	303.93	89.46	127.65	1.03	7,072.01
25 mph	20,202.36	1,539.58	7,589.99	3,417.74	1,519.66	447.29	702.08	5.66	35,424.37
30 mph	22,222.60	1,693.54	8,348.99	3,759.51	1,671.62	492.02	638.26	5.15	38,831.69
35 mph	18,182.13	1,385.63	6,830.99	3,075.96	1,367.69	402.56	287.22	2.32	31,534.49
40 mph	6,060.71	461.88	2,277.00	1,025.32	455.90	134.19	319.13	2.57	10,736.69
45 mph	5,050.59	384.90	1,897.50	854.43	379.91	111.82	255.30	2.06	8,936.52
50 mph	5,050.59	384.90	1,897.50	854.43	379.91	111.82	414.87	3.35	9,097.37
55 mph	4,040.47	307.92	1,518.00	683.55	303.93	89.46	95.74	0.77	7,039.84
60 mph	8,080.95	615.83	3,036.00	1,367.10	607.86	178.92	95.74	0.77	13,983.16
65 mph	1,010.12	76.98	379.50	170.89	75.98	22.36	-	-	1,735.83
70 mph	-	-	-	-	-	-	-	-	-
total	101,011.82	7,697.92	37,949.94	17,088.69	7,598.28	2,236.46	3,191.29	25.74	176,800.14

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	417.71	31.83	156.93	147.59	81.47	23.98	-	-	859.51
15 mph	417.71	31.83	156.93	147.59	81.47	23.98	-	-	859.51
20 mph	417.71	31.83	156.93	147.59	81.47	23.98	230.12	1.86	1,091.49
25 mph	835.42	63.67	313.87	295.17	162.93	47.96	402.72	3.25	2,124.99
30 mph	1,670.85	127.33	627.73	590.35	325.87	95.91	690.37	5.57	4,133.98
35 mph	3,759.41	286.50	1,412.40	1,328.28	733.20	215.81	690.37	5.57	8,431.53
40 mph	4,177.12	318.33	1,569.34	1,475.86	814.67	239.79	632.84	5.10	9,233.05
45 mph	3,341.70	254.66	1,255.47	1,180.69	651.73	191.83	460.25	3.71	7,340.04
50 mph	3,759.41	286.50	1,412.40	1,328.28	733.20	215.81	230.12	1.86	7,967.57
55 mph	2,088.56	159.17	784.67	737.93	407.33	119.89	115.06	0.93	4,413.54
60 mph	1,253.14	95.50	470.80	442.76	244.40	71.94	8,054.34	64.97	10,697.84
65 mph	417.71	31.83	156.93	147.59	81.47	23.98	-	-	859.51
70 mph	19,214.75	1,464.32	7,218.94	6,788.97	3,747.47	1,103.02	-	-	39,537.47
total	41,771.19	3,183.30	15,693.36	14,758.63	8,146.67	2,397.87	11,506.20	92.81	97,550.03

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	46.76	13.76	21.29	0.24	82.05
15 mph	4,492.60	342.37	1,687.86	495.68	234.78	69.11	103.78	0.84	7,427.03
25 mph	-	-	-	-	445.90	131.24	454.16	3.66	1,034.96
35 mph	19,330.00	1,473.10	7,262.24	1,959.83	-	-	-	-	30,025.18
total	23,822.60	1,815.48	8,950.10	2,455.51	680.68	200.35	557.94	4.50	38,487.17

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	46.76	13.76	21.29	0.24	82.05
10 mph	5,468.30	416.73	2,054.43	1,002.02	461.38	135.80	191.48	1.54	9,731.69
15 mph	6,930.55	528.16	2,603.79	985.04	468.21	137.81	167.61	1.35	11,822.54
20 mph	4,458.18	339.75	1,674.93	831.13	385.40	113.44	357.78	2.89	8,163.50
25 mph	21,037.79	1,603.25	7,903.86	3,712.91	2,128.49	626.49	1,558.96	12.57	38,584.32
30 mph	23,893.45	1,820.88	8,976.72	4,349.86	1,997.49	587.94	1,328.63	10.72	42,965.67
35 mph	41,271.54	3,145.23	15,505.63	6,364.07	2,100.89	618.37	977.59	7.89	69,991.20
40 mph	10,237.83	780.21	3,846.33	2,501.18	1,270.56	373.97	951.97	7.68	19,969.74
45 mph	8,392.29	639.56	3,152.97	2,035.12	1,031.65	303.65	715.55	5.77	16,276.56
50 mph	8,810.00	671.39	3,309.90	2,182.71	1,113.11	327.63	644.99	5.20	17,064.94
55 mph	6,129.03	467.08	2,302.67	1,421.48	711.26	209.35	210.80	1.70	11,453.38
60 mph	9,334.08	711.33	3,506.80	1,809.85	852.26	250.85	8,150.08	65.74	24,681.00
65 mph	1,427.83	108.81	536.43	318.47	157.45	46.34	-	-	2,595.34
70 mph	19,214.75	1,464.32	7,218.94	6,788.97	3,747.47	1,103.02	-	-	39,537.47
total	166,605.62	12,696.70	62,593.40	34,302.83	16,425.63	4,834.68	15,255.42	123.05	312,837.34

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	57.06	0.06	17.53	26.98	367.52	247.53	1,119.44	2,051.02	3,887.14
15 mph	22.82	0.02	7.01	10.79	147.01	99.01	373.15	683.67	1,343.49
20 mph	45.65	0.05	14.02	21.59	294.02	198.02	746.29	1,367.34	2,686.99
25 mph	228.24	0.25	70.12	107.93	1,470.10	990.12	4,104.61	7,520.39	14,491.76
30 mph	251.07	0.27	77.13	118.72	1,617.10	1,089.13	3,731.46	6,836.72	13,721.61
35 mph	205.42	0.22	63.11	97.14	1,323.09	891.11	1,679.16	3,076.52	7,335.76
40 mph	68.47	0.07	21.04	32.38	441.03	297.04	1,865.73	3,418.36	6,144.12
45 mph	57.06	0.06	17.53	26.98	367.52	247.53	1,492.58	2,734.69	4,943.96
50 mph	57.06	0.06	17.53	26.98	367.52	247.53	2,425.45	4,443.87	7,586.01
55 mph	45.65	0.05	14.02	21.59	294.02	198.02	559.72	1,025.51	2,158.58
60 mph	91.30	0.10	28.05	43.17	588.04	396.05	559.72	1,025.51	2,731.93
65 mph	11.41	0.01	3.51	5.40	73.50	49.51	-	-	143.34
70 mph	-	-	-	-	-	-	-	-	-
total	1,141.22	1.25	350.59	539.65	7,350.48	4,950.60	18,657.30	34,183.60	67,174.69

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	4.72	0.01	1.45	4.66	78.81	53.08	-	-	142.72
15 mph	4.72	0.01	1.45	4.66	78.81	53.08	-	-	142.72
20 mph	4.72	0.01	1.45	4.66	78.81	53.08	1,345.38	2,464.98	3,953.09
25 mph	9.44	0.01	2.90	9.32	157.62	106.16	2,354.42	4,313.72	6,953.59
30 mph	18.88	0.02	5.80	18.64	315.24	212.32	4,036.14	7,394.95	12,001.99
35 mph	42.47	0.05	13.05	41.95	709.29	477.71	4,036.14	7,394.95	12,715.61
40 mph	47.19	0.05	14.50	46.61	788.10	530.79	3,699.80	6,778.71	11,905.74
45 mph	37.75	0.04	11.60	37.29	630.48	424.63	2,690.76	4,929.97	8,762.52
50 mph	42.47	0.05	13.05	41.95	709.29	477.71	1,345.38	2,464.98	5,094.88
55 mph	23.60	0.03	7.25	23.30	394.05	265.39	672.69	1,232.49	2,618.80
60 mph	14.16	0.02	4.35	13.98	236.43	159.24	47,088.32	86,274.43	133,790.92
65 mph	4.72	0.01	1.45	4.66	78.81	53.08	-	-	142.72
70 mph	217.09	0.24	66.69	214.39	3,625.25	2,441.63	-	-	6,565.29
total	471.93	0.52	144.98	466.07	7,880.98	5,307.90	67,269.03	123,249.19	204,790.59

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	45.24	30.47	124.47	228.05	428.23
15 mph	50.76	0.06	15.59	15.65	227.12	152.97	606.76	1,111.69	2,180.60
25 mph	-	-	-	-	431.36	290.52	2,655.14	4,864.71	8,241.73
35 mph	218.39	0.24	67.09	61.89	-	-	-	-	347.61
total	269.15	0.29	82.68	77.54	658.48	443.49	3,261.90	5,976.40	10,769.94

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	45.24	30.47	124.47	228.05	428.23
10 mph	61.78	0.07	18.98	31.64	446.33	300.61	1,119.44	2,051.02	4,029.87
15 mph	78.30	0.09	24.05	31.11	452.94	305.06	979.90	1,795.36	3,666.82
20 mph	50.37	0.06	15.47	26.25	372.83	251.10	2,091.67	3,832.33	6,640.08
25 mph	237.68	0.26	73.02	117.25	2,059.07	1,386.80	9,114.17	16,698.82	29,687.07
30 mph	269.95	0.30	82.93	137.37	1,932.34	1,301.45	7,767.60	14,231.67	25,723.60
35 mph	466.28	0.51	143.24	200.97	2,032.37	1,368.82	5,715.30	10,471.48	20,398.98
40 mph	115.67	0.13	35.53	78.99	1,229.13	827.83	5,565.53	10,197.07	18,049.86
45 mph	94.82	0.10	29.13	64.27	998.00	672.16	4,183.35	7,664.66	13,706.48
50 mph	99.53	0.11	30.58	68.93	1,076.81	725.24	3,770.83	6,908.85	12,680.88
55 mph	69.25	0.08	21.27	44.89	688.07	463.42	1,232.41	2,258.00	4,777.38
60 mph	105.46	0.12	32.40	57.15	824.47	555.28	47,648.04	87,299.94	136,522.85
65 mph	16.13	0.02	4.96	10.06	152.31	102.58	-	-	286.06
70 mph	217.09	0.24	66.69	214.39	3,625.25	2,441.63	-	-	6,565.29
total	1,882.29	2.06	578.25	1,083.27	15,889.93	10,701.99	89,188.23	163,409.19	282,735.22

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	243.58	9.86	60.84	29.11	-	-	-	133.32	476.71
15 mph	97.43	3.94	24.34	11.64	-	-	-	44.44	181.80
20 mph	194.87	7.89	48.67	23.29	-	-	-	88.88	363.59
25 mph	974.33	39.44	243.35	116.45	-	-	-	488.86	1,862.42
30 mph	1,071.76	43.38	267.69	128.09	-	-	-	444.41	1,955.33
35 mph	876.90	35.49	219.02	104.80	-	-	-	199.99	1,436.19
40 mph	292.30	11.83	73.01	34.93	-	-	-	222.21	634.27
45 mph	243.58	9.86	60.84	29.11	-	-	-	177.77	521.16
50 mph	243.58	9.86	60.84	29.11	-	-	-	288.87	632.26
55 mph	194.87	7.89	48.67	23.29	-	-	-	66.66	341.37
60 mph	389.73	15.77	97.34	46.58	-	-	-	66.66	616.09
65 mph	48.72	1.97	12.17	5.82	-	-	-	-	68.68
70 mph	-	-	-	-	-	-	-	-	-
total	4,871.64	197.18	1,216.75	582.23	-	-	-	2,222.07	9,089.87

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	20.15	0.82	5.03	5.03	-	-	-	-	31.02
15 mph	20.15	0.82	5.03	5.03	-	-	-	-	31.02
20 mph	20.15	0.82	5.03	5.03	-	-	-	160.23	191.25
25 mph	40.29	1.63	10.06	10.06	-	-	-	280.41	342.45
30 mph	80.58	3.26	20.13	20.11	-	-	-	480.70	604.79
35 mph	181.31	7.34	45.28	45.26	-	-	-	480.70	759.89
40 mph	201.46	8.15	50.32	50.28	-	-	-	440.64	750.85
45 mph	161.16	6.52	40.25	40.23	-	-	-	320.47	568.64
50 mph	181.31	7.34	45.28	45.26	-	-	-	160.23	439.42
55 mph	100.73	4.08	25.16	25.14	-	-	-	80.12	235.22
60 mph	60.44	2.45	15.09	15.09	-	-	-	5,608.18	5,701.24
65 mph	20.15	0.82	5.03	5.03	-	-	-	-	31.02
70 mph	926.70	37.51	231.45	231.31	-	-	-	-	1,426.96
total	2,014.56	81.54	503.16	502.84	-	-	-	8,011.69	11,113.78

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	14.82	14.82
15 mph	216.67	8.77	54.12	16.89	-	-	-	72.26	368.71
25 mph	-	-	-	-	-	-	-	316.23	316.23
35 mph	932.26	37.73	232.84	66.77	-	-	-	-	1,269.60
total	1,148.93	46.50	286.96	83.66	-	-	-	388.49	1,954.54

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	14.82	14.82
10 mph	263.73	10.67	65.87	34.14	-	-	-	133.32	507.74
15 mph	334.25	13.53	83.48	33.56	-	-	-	116.71	581.53
20 mph	215.01	8.70	53.70	28.32	-	-	-	249.12	554.85
25 mph	1,014.62	41.07	253.41	126.50	-	-	-	1,085.49	2,521.09
30 mph	1,152.34	46.64	287.81	148.20	-	-	-	925.12	2,560.11
35 mph	1,990.46	80.56	497.14	216.83	-	-	-	680.69	3,465.68
40 mph	493.75	19.98	123.32	85.22	-	-	-	662.85	1,385.13
45 mph	404.75	16.38	101.09	69.34	-	-	-	498.23	1,089.79
50 mph	424.89	17.20	106.12	74.37	-	-	-	449.10	1,071.68
55 mph	295.59	11.96	73.83	48.43	-	-	-	146.78	576.60
60 mph	450.17	18.22	112.43	61.66	-	-	-	5,674.84	6,317.33
65 mph	68.86	2.79	17.20	10.85	-	-	-	-	99.70
70 mph	926.70	37.51	231.45	231.31	-	-	-	-	1,426.96
total	4,970.41	201.18	1,241.42	587.55	-	-	-	3,190.44	22,158.19

World Logistics Center
Mobile Emissions - 2031 (Net) - Unmitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	22439	330	0.21	4712.3	4447.5	50.2	214.5
	LDT1	15	1656	330	0.21	347.7	338.9	0.1	8.7
	LDT2	15	8285	330	0.21	1739.9	1670.9	15.4	53.6
	MDT	15	2496	330	0.21	524.2	491.9	15.5	16.8
	LHDT1	15	2193	330	0.21	460.6	234.1	226.5	0.0
	LHDT2	15	1054	330	0.21	221.4	68.9	152.5	0.0
	MHDT	15	3358	330	0.21	705.1	103.0	602.1	0.0
	HHDT	15	5599	330	0.21	1175.7	0.8	1103.2	71.7
Travel at Light Logistics	LDA	15	161	175	0.11	17.7	16.7	0.2	0.8
	LDT1	15	12	175	0.11	1.3	1.3	0.0	0.0
	LDT2	15	60	175	0.11	6.5	6.3	0.1	0.2
	MDT	15	15	175	0.11	1.7	1.6	0.0	0.1
	LHDT1	15	9	175	0.11	1.0	0.5	0.5	0.0
	LHDT2	15	4	175	0.11	0.5	0.1	0.3	0.0
	MHDT	15	11	175	0.11	1.2	0.2	1.0	0.0
	HHDT	15	18	175	0.11	2.0	0.0	1.9	0.1
Travel at Utility	LDA	15	182	100	0.06	10.9	10.3	0.1	0.5
	LDT1	15	13	100	0.06	0.8	0.8	0.0	0.0
	LDT2	15	67	100	0.06	4.0	3.9	0.0	0.1
	MDT	15	39	100	0.06	2.3	2.2	0.1	0.1
	LHDT1	15	6	100	0.06	0.4	0.2	0.2	0.0
	LHDT2	15	3	100	0.06	0.2	0.1	0.1	0.0
	MHDT	15	11	100	0.06	0.7	0.1	0.6	0.0
	HHDT	15	19	100	0.06	1.1	0.0	1.1	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	118	50	0.03	3.6	0.5	3.0	0.0
	HHDT	15	197	50	0.03	5.9	0.0	5.6	0.4
Travel at Convenience Store	LDA	15	557	50	0.03	16.7	15.8	0.2	0.8
	LDT1	15	41	50	0.03	1.2	1.2	0.0	0.0
	LDT2	15	206	50	0.03	6.2	5.9	0.1	0.2
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	79	50	0.03	2.4	2.2	0.0	0.1
	LDT1	15	6	50	0.03	0.2	0.2	0.0	0.0
	LDT2	15	29	50	0.03	0.9	0.8	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	4492.6	342.4	1687.9	495.7	234.8	69.1	103.8	0.8
Diesel	50.8	0.1	15.6	15.7	227.1	153.0	606.8	1111.7
Electric/Natural Gas (HHDT Only)	216.7	8.8	54.1	16.9	0.0	0.0	0.0	72.3

World Logistics Center
Mobile Emissions - 2031 (Net) - Unmitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	1097	557	539	0	2787.0	2696.1	0.0
	LHDT2	5	527	164	363	0	820.3	1815.9	0.0
	MHDT	5	1679	245	1434	0	1226.1	7168.2	0.0
	HHDT	5	2799	2	2627	171	9.9	13133.4	853.7
Travel at Light Logistics	LHDT1	5	4	2	2	0	11.2	10.8	0.0
	LHDT2	5	2	1	1	0	3.3	7.3	0.0
	MHDT	5	5	1	5	0	4.0	23.2	0.0
	HHDT	5	9	0	8	1	0.0	42.5	2.8
Travel at Utility	LHDT1	5	3	2	1	0	7.5	7.3	0.0
	LHDT2	5	1	0	1	0	2.2	4.9	0.0
	MHDT	5	6	1	5	0	4.1	24.1	0.0
	HHDT	5	9	0	9	1	0.0	44.2	2.9
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	59	9	51	0	43.2	252.7	0.0
	HHDT	5	99	0	93	6	0.3	463.0	30.1
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	46.8	13.8	21.3	0.2
Diesel	45.2	30.5	124.5	228.1
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	14.8

World Logistics Center
Mobile Emissions - 2031 (Net) - Unmitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					14.3102	14.4829	27.1203	11.0247
10 mph	0.0172	0.0408	0.0314	0.0377	0.0430	0.0331	0.0816	1.4004
15 mph	0.0115	0.0277	0.0211	0.0254	0.0290	0.0222	0.0546	0.9294
20 mph	0.0081	0.0198	0.0150	0.0180	0.0211	0.0158	0.0387	0.6550
25 mph	0.0060	0.0148	0.0111	0.0133	0.0159	0.0117	0.0284	0.4851
30 mph	0.0046	0.0117	0.0086	0.0104	0.0126	0.0092	0.0219	0.3793
35 mph	0.0038	0.0096	0.0070	0.0085	0.0105	0.0076	0.0178	0.3133
40 mph	0.0033	0.0084	0.0061	0.0074	0.0094	0.0066	0.0156	0.2732
45 mph	0.0030	0.0077	0.0056	0.0068	0.0087	0.0061	0.0142	0.2509
50 mph	0.0029	0.0074	0.0054	0.0066	0.0085	0.0059	0.0137	0.2427
55 mph	0.0029	0.0074	0.0054	0.0066	0.0088	0.0060	0.0141	0.2475
60 mph	0.0031	0.0077	0.0057	0.0070	0.0094	0.0065	0.0151	0.2646
65 mph	0.0034	0.0085	0.0062	0.0077	0.0107	0.0073		
70 mph	0.0037	0.0100	0.0065	0.0084	0.0114	0.0071		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5156	2.3636
10 mph	0.0843	0.3142	0.1956	0.0911	0.5522	0.5544	0.0346	0.0815
15 mph	0.0422	0.1938	0.0957	0.0448	0.2776	0.2786	0.0192	0.0460
20 mph	0.0175	0.1217	0.0375	0.0179	0.1181	0.1184	0.0129	0.0288
25 mph	0.0109	0.0915	0.0226	0.0110	0.0748	0.0749	0.0101	0.0238
30 mph	0.0083	0.0750	0.0171	0.0084	0.0581	0.0581	0.0081	0.0193
35 mph	0.0067	0.0645	0.0136	0.0067	0.0479	0.0476	0.0067	0.0158
40 mph	0.0056	0.0581	0.0113	0.0056	0.0410	0.0406	0.0058	0.0136
45 mph	0.0049	0.0546	0.0096	0.0048	0.0361	0.0358	0.0053	0.0125
50 mph	0.0044	0.0537	0.0083	0.0042	0.0331	0.0327	0.0053	0.0125
55 mph	0.0040	0.0554	0.0073	0.0038	0.0308	0.0304	0.0058	0.0138
60 mph	0.0039	0.0599	0.0069	0.0037	0.0307	0.0302	0.0068	0.0161
65 mph	0.0040	0.0679	0.0070	0.0038	0.0339	0.0331		
70 mph	0.0042	0.0765	0.0071	0.0041	0.0506	0.0464		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0552
10 mph								0.4338
15 mph								0.2754
20 mph								0.1793
25 mph								0.1323
30 mph								0.1005
35 mph								0.0767
40 mph								0.0590
45 mph								0.0460
50 mph								0.0367
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1913	0.0347	0.1312	0.0711	0.0360	0.0082	0.0345	0.0048	0.5117
15 mph	0.0512	0.0094	0.0353	0.0191	0.0097	0.0022	0.0077	0.0011	0.1358
20 mph	0.0721	0.0135	0.0501	0.0271	0.0142	0.0031	0.0109	0.0015	0.1924
25 mph	0.2654	0.0504	0.1854	0.1006	0.0532	0.0116	0.0439	0.0061	0.7165
30 mph	0.2262	0.0435	0.1586	0.0863	0.0463	0.0099	0.0308	0.0043	0.6060
35 mph	0.1510	0.0294	0.1060	0.0579	0.0318	0.0067	0.0113	0.0016	0.3957
40 mph	0.0437	0.0085	0.0307	0.0168	0.0094	0.0020	0.0110	0.0016	0.1236
45 mph	0.0334	0.0065	0.0234	0.0128	0.0073	0.0015	0.0080	0.0011	0.0942
50 mph	0.0322	0.0063	0.0225	0.0124	0.0071	0.0015	0.0125	0.0018	0.0963
55 mph	0.0261	0.0051	0.0182	0.0100	0.0059	0.0012	0.0030	0.0004	0.0699
60 mph	0.0551	0.0105	0.0381	0.0210	0.0126	0.0025	0.0032	0.0005	0.1435
65 mph	0.0076	0.0014	0.0052	0.0029	0.0018	0.0004	-	-	0.0194
70 mph	-	-	-	-	-	-	-	-	-
total	1.1554	0.2192	0.8046	0.4381	0.2354	0.0507	0.1767	0.0246	3.1048

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0158	0.0029	0.0109	0.0123	0.0077	0.0017	-	-	0.0513
15 mph	0.0106	0.0019	0.0073	0.0083	0.0052	0.0012	-	-	0.0345
20 mph	0.0075	0.0014	0.0052	0.0059	0.0038	0.0008	0.0196	0.0027	0.0468
25 mph	0.0110	0.0021	0.0077	0.0087	0.0057	0.0012	0.0252	0.0035	0.0650
30 mph	0.0170	0.0033	0.0119	0.0136	0.0090	0.0019	0.0333	0.0047	0.0947
35 mph	0.0312	0.0061	0.0219	0.0250	0.0171	0.0036	0.0272	0.0038	0.1359
40 mph	0.0301	0.0059	0.0211	0.0242	0.0168	0.0035	0.0217	0.0031	0.1264
45 mph	0.0221	0.0043	0.0155	0.0178	0.0125	0.0026	0.0144	0.0021	0.0913
50 mph	0.0240	0.0047	0.0167	0.0192	0.0138	0.0028	0.0070	0.0010	0.0892
55 mph	0.0135	0.0026	0.0094	0.0108	0.0079	0.0016	0.0036	0.0005	0.0499
60 mph	0.0085	0.0016	0.0059	0.0068	0.0051	0.0010	0.2677	0.0379	0.3346
65 mph	0.0032	0.0006	0.0022	0.0025	0.0019	0.0004	-	-	0.0107
70 mph	0.1553	0.0322	0.1036	0.1256	0.0941	0.0173	-	-	0.5280
total	0.3497	0.0695	0.2392	0.2805	0.2007	0.0398	0.4197	0.0592	1.6584

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.4755	0.4395	1.2732	0.0058	3.1940
15 mph	0.1139	0.0209	0.0786	0.0277	0.0150	0.0034	0.0125	0.0017	0.2738
25 mph	-	-	-	-	0.0156	0.0034	0.0284	0.0039	0.0513
35 mph	0.1605	0.0313	0.1126	0.0369	-	-	-	-	0.3414
total	0.2745	0.0522	0.1913	0.0646	1.5062	0.4463	1.3141	0.0114	3.8605

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.4755	0.4395	1.2732	0.0058	3.1940
10 mph	0.2072	0.0375	0.1421	0.0834	0.0437	0.0099	0.0345	0.0048	0.5630
15 mph	0.1758	0.0323	0.1213	0.0551	0.0300	0.0067	0.0202	0.0028	0.4441
20 mph	0.0795	0.0149	0.0553	0.0330	0.0179	0.0040	0.0305	0.0042	0.2392
25 mph	0.2764	0.0525	0.1930	0.1093	0.0745	0.0162	0.0976	0.0135	0.8328
30 mph	0.2432	0.0468	0.1705	0.0999	0.0554	0.0119	0.0641	0.0090	0.7007
35 mph	0.3427	0.0668	0.2405	0.1199	0.0489	0.0103	0.0385	0.0054	0.8730
40 mph	0.0738	0.0144	0.0518	0.0410	0.0262	0.0055	0.0327	0.0046	0.2500
45 mph	0.0556	0.0108	0.0389	0.0306	0.0199	0.0041	0.0224	0.0032	0.1855
50 mph	0.0562	0.0110	0.0392	0.0316	0.0209	0.0043	0.0195	0.0028	0.1855
55 mph	0.0396	0.0077	0.0276	0.0208	0.0138	0.0028	0.0065	0.0009	0.1198
60 mph	0.0636	0.0121	0.0440	0.0278	0.0177	0.0036	0.2709	0.0384	0.4781
65 mph	0.0108	0.0020	0.0074	0.0054	0.0037	0.0007	-	-	0.0301
70 mph	0.1553	0.0322	0.1036	0.1256	0.0941	0.0173	-	-	0.5280
total	1.7796	0.3409	1.2351	0.7833	1.9423	0.5368	1.9105	0.0952	8.6237

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0106	0.0000	0.0076	0.0054	0.4475	0.3026	0.0854	0.3684	1.2275
15 mph	0.0021	0.0000	0.0015	0.0011	0.0900	0.0608	0.0158	0.0694	0.2407
20 mph	0.0018	0.0000	0.0012	0.0009	0.0766	0.0517	0.0212	0.0869	0.2401
25 mph	0.0055	0.0001	0.0035	0.0026	0.2424	0.1635	0.0912	0.3947	0.9035
30 mph	0.0046	0.0000	0.0029	0.0022	0.2073	0.1395	0.0670	0.2902	0.7137
35 mph	0.0030	0.0000	0.0019	0.0014	0.1397	0.0936	0.0248	0.1070	0.3716
40 mph	0.0008	0.0000	0.0005	0.0004	0.0398	0.0266	0.0237	0.1023	0.1942
45 mph	0.0006	0.0000	0.0004	0.0003	0.0293	0.0195	0.0174	0.0753	0.1428
50 mph	0.0005	0.0000	0.0003	0.0003	0.0268	0.0178	0.0283	0.1225	0.1967
55 mph	0.0004	0.0000	0.0002	0.0002	0.0200	0.0133	0.0072	0.0313	0.0725
60 mph	0.0008	0.0000	0.0004	0.0003	0.0398	0.0264	0.0084	0.0363	0.1124
65 mph	0.0001	0.0000	0.0001	0.0000	0.0055	0.0036	-	-	0.0093
70 mph	-	-	-	-	-	-	-	-	-
total	0.0309	0.0002	0.0204	0.0151	1.3646	0.9189	0.3904	1.6842	4.4249

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0009	0.0000	0.0006	0.0009	0.0960	0.0649	-	-	0.1633
15 mph	0.0004	0.0000	0.0003	0.0005	0.0482	0.0326	-	-	0.0821
20 mph	0.0002	0.0000	0.0001	0.0002	0.0205	0.0139	0.0382	0.1566	0.2297
25 mph	0.0002	0.0000	0.0001	0.0002	0.0260	0.0175	0.0523	0.2264	0.3229
30 mph	0.0003	0.0000	0.0002	0.0003	0.0404	0.0272	0.0725	0.3139	0.4549
35 mph	0.0006	0.0000	0.0004	0.0006	0.0749	0.0502	0.0597	0.2571	0.4436
40 mph	0.0006	0.0000	0.0004	0.0006	0.0712	0.0475	0.0469	0.2028	0.3700
45 mph	0.0004	0.0000	0.0002	0.0004	0.0502	0.0335	0.0313	0.1357	0.2518
50 mph	0.0004	0.0000	0.0002	0.0004	0.0518	0.0344	0.0157	0.0680	0.1709
55 mph	0.0002	0.0000	0.0001	0.0002	0.0268	0.0178	0.0086	0.0376	0.0913
60 mph	0.0001	0.0000	0.0001	0.0001	0.0160	0.0106	0.7032	3.0540	3.7841
65 mph	0.0000	0.0000	0.0000	0.0000	0.0059	0.0039	-	-	0.0099
70 mph	0.0020	0.0000	0.0010	0.0019	0.4043	0.2498	-	-	0.6590
total	0.0065	0.0001	0.0039	0.0064	0.9321	0.6038	1.0284	4.4522	7.0335

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3165	0.2132	0.1415	1.1885	1.8597
15 mph	0.0047	0.0000	0.0033	0.0015	0.1390	0.0940	0.0257	0.1128	0.3811
25 mph	-	-	-	-	0.0711	0.0480	0.0590	0.2553	0.4334
35 mph	0.0032	0.0000	0.0020	0.0009	-	-	-	-	0.0062
total	0.0079	0.0001	0.0053	0.0025	0.5266	0.3551	0.2262	1.5566	2.6804

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3165	0.2132	0.1415	1.1885	1.8597
10 mph	0.0115	0.0000	0.0082	0.0064	0.5434	0.3675	0.0854	0.3684	1.3908
15 mph	0.0073	0.0000	0.0051	0.0031	0.2772	0.1874	0.0415	0.1821	0.7038
20 mph	0.0019	0.0000	0.0013	0.0010	0.0971	0.0655	0.0594	0.2435	0.4698
25 mph	0.0057	0.0001	0.0036	0.0028	0.3396	0.2290	0.2026	0.8764	1.6598
30 mph	0.0050	0.0000	0.0031	0.0025	0.2477	0.1666	0.1396	0.6041	1.1687
35 mph	0.0069	0.0001	0.0043	0.0030	0.2146	0.1438	0.0845	0.3641	0.8213
40 mph	0.0014	0.0000	0.0009	0.0010	0.1110	0.0742	0.0706	0.3051	0.5641
45 mph	0.0010	0.0000	0.0006	0.0007	0.0795	0.0530	0.0487	0.2111	0.3946
50 mph	0.0010	0.0000	0.0006	0.0006	0.0786	0.0523	0.0441	0.1905	0.3676
55 mph	0.0006	0.0000	0.0003	0.0004	0.0468	0.0311	0.0158	0.0688	0.1638
60 mph	0.0009	0.0000	0.0005	0.0005	0.0558	0.0370	0.7115	3.0903	3.8965
65 mph	0.0001	0.0000	0.0001	0.0001	0.0114	0.0075	-	-	0.0192
70 mph	0.0020	0.0000	0.0010	0.0019	0.4043	0.2498	-	-	0.6590
total	0.0453	0.0004	0.0296	0.0240	2.8234	1.8779	1.6451	7.6931	14.1388

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1275	0.1275
15 mph								0.0270	0.0270
20 mph								0.0351	0.0351
25 mph								0.1426	0.1426
30 mph								0.0985	0.0985
35 mph								0.0338	0.0338
40 mph								0.0289	0.0289
45 mph								0.0180	0.0180
50 mph								0.0234	0.0234
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.5349	0.5349

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0633	0.0633
25 mph								0.0818	0.0818
30 mph								0.1065	0.1065
35 mph								0.0813	0.0813
40 mph								0.0574	0.0574
45 mph								0.0325	0.0325
50 mph								0.0130	0.0130
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.3330	0.3330

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0018	0.0018
15 mph								0.0439	0.0439
25 mph								0.0922	0.0922
35 mph								-	-
total	-	-	-	-	-	-	-	0.1379	0.1379

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0018	0.0018
10 mph								0.1275	0.1275
15 mph								0.0709	0.0709
20 mph								0.0985	0.0985
25 mph								0.3166	0.3166
30 mph								0.2050	0.2050
35 mph								0.1152	0.1152
40 mph								0.0863	0.0863
45 mph								0.0506	0.0506
50 mph								0.0363	0.0363
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.1087	1.1087

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2994	0.9397	0.5275	0.5774	0.9562	0.8755	0.5191	1.2172
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS + HOTSOAK Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.0397	0.4879	1.3503	2.6475	1.4343	0.3865	0.3769	0.0071
Electric/NG	-	-	-	-	-	-	-	-
Total	**2.0397**	**0.4879**	**1.3503**	**2.6475**	**1.4343**	**0.3865**	**0.3769**	**0.0071**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3036	0.6041	0.5235	0.6827	0.0657	0.0618	0.0519	0.0612
Electric/NG	0.0316	0.0313	0.0314	0.0315	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.0343	0.1568	0.6701	1.5650	0.0492	0.0136	0.0188	0.0002
Electric/NG	0.0052	0.0002	0.0013	0.0025	-	-	-	-
Total	1.0395	0.1571	0.6714	1.5675	0.0492	0.0136	0.0188	0.0002

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1228	0.1719	0.1755	0.2082	0.0723	0.0720	0.1633	0.0014
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.8367	0.0893	0.4492	0.9547	0.1084	0.0318	0.1186	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.8367	0.0893	0.4492	0.9547	0.1084	0.0318	0.1186	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.7920	0.6527	1.4147	1.1961	5.0555
10 mph	0.2186	0.0376	0.1503	0.0897	0.5871	0.3774	0.1199	0.5007	2.0813
15 mph	0.1831	0.0323	0.1263	0.0582	0.3072	0.1942	0.0617	0.2558	1.2188
20 mph	0.0815	0.0149	0.0566	0.0340	0.1150	0.0695	0.0899	0.3462	0.8075
25 mph	0.2821	0.0525	0.1967	0.1121	0.4140	0.2452	0.3001	1.2065	2.8092
30 mph	0.2482	0.0469	0.1736	0.1024	0.3030	0.1785	0.2036	0.8181	2.0744
35 mph	0.3496	0.0668	0.2448	0.1229	0.2635	0.1541	0.1230	0.4848	1.8095
40 mph	0.0752	0.0144	0.0527	0.0419	0.1373	0.0796	0.1033	0.3960	0.9004
45 mph	0.0566	0.0108	0.0396	0.0313	0.0994	0.0571	0.0711	0.2648	0.6307
50 mph	0.0572	0.0110	0.0398	0.0323	0.0995	0.0565	0.0636	0.2296	0.5894
55 mph	0.0402	0.0077	0.0279	0.0212	0.0606	0.0339	0.0223	0.0698	0.2835
60 mph	0.0645	0.0122	0.0445	0.0283	0.0735	0.0406	0.9824	3.1287	4.3747
65 mph	0.0109	0.0020	0.0075	0.0055	0.0151	0.0082	-	-	0.0493
70 mph	0.1572	0.0322	0.1046	0.1275	0.4984	0.2671	-	-	1.1871
RUNLOSS HO	2.0397	0.4879	1.3503	2.6475	1.4343	0.3865	0.3769	0.0071	8.7303
RESTLOSS DIL	1.0395	0.1571	0.6714	1.5675	0.0492	0.0136	0.0188	0.0002	3.5173
STREX	0.8367	0.0893	0.4492	0.9547	0.1084	0.0318	0.1186	0.0000	2.5887
total	5.7409	1.0756	3.7356	5.9769	6.3576	2.8466	4.0699	8.9044	**38.7075**

World Logistics Center
Mobile Emissions - 2031 (Net) - Unmitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.2474	1.2619	2.4082	27.2537
10 mph	0.0341	0.0735	0.0603	0.0712	0.1250	0.1347	0.2536	4.7936
15 mph	0.0300	0.0635	0.0526	0.0619	0.1099	0.1179	0.2251	4.2353
20 mph	0.0269	0.0564	0.0469	0.0553	0.1010	0.1071	0.2036	3.8333
25 mph	0.0245	0.0507	0.0423	0.0500	0.0929	0.0977	0.1846	3.5140
30 mph	0.0226	0.0467	0.0389	0.0461	0.0875	0.0911	0.1695	3.2794
35 mph	0.0213	0.0439	0.0363	0.0433	0.0839	0.0864	0.1585	3.1100
40 mph	0.0203	0.0419	0.0347	0.0414	0.0812	0.0829	0.1518	2.9872
45 mph	0.0197	0.0409	0.0337	0.0403	0.0796	0.0805	0.1464	2.9095
50 mph	0.0194	0.0409	0.0334	0.0401	0.0795	0.0796	0.1447	2.8829
55 mph	0.0197	0.0422	0.0341	0.0410	0.0813	0.0809	0.1470	2.9220
60 mph	0.0205	0.0447	0.0359	0.0431	0.0842	0.0839	0.1521	3.0171
65 mph	0.0214	0.0478	0.0377	0.0455	0.0888	0.0880		
70 mph	0.0223	0.0534	0.0382	0.0484	0.0994	0.0896		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					38.5722	39.0838	32.8222	28.6410
10 mph	0.0611	0.4135	0.1261	0.0631	0.5683	0.5656	5.2196	11.4552
15 mph	0.0440	0.4016	0.0850	0.0437	0.4678	0.4701	3.6631	7.6399
20 mph	0.0321	0.3973	0.0567	0.0306	0.4462	0.4433	2.9087	5.3561
25 mph	0.0267	0.3995	0.0436	0.0247	0.4343	0.4298	2.2716	4.4677
30 mph	0.0239	0.4045	0.0367	0.0219	0.4504	0.4417	1.7020	3.3524
35 mph	0.0220	0.4083	0.0322	0.0202	0.4829	0.4663	1.2472	2.5361
40 mph	0.0208	0.4203	0.0289	0.0189	0.5100	0.4883	0.9074	1.8581
45 mph	0.0202	0.4358	0.0265	0.0180	0.5307	0.5066	0.6832	1.4130
50 mph	0.0199	0.4481	0.0247	0.0175	0.5606	0.5338	0.5776	1.1596
55 mph	0.0195	0.4671	0.0232	0.0170	0.5652	0.5409	0.5885	1.1882
60 mph	0.0197	0.4854	0.0227	0.0170	0.5755	0.5500	0.7154	1.4244
65 mph	0.0198	0.4893	0.0229	0.0176	0.6461	0.6124		
70 mph	0.0210	0.4443	0.0241	0.0209	1.2218	1.0656		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								31.5022
10 mph								2.6134
15 mph								1.9287
20 mph								1.4934
25 mph								1.2617
30 mph								1.1235
35 mph								1.0247
40 mph								0.9515
45 mph								0.8968
50 mph								0.8564
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.3800	0.0624	0.2523	0.1341	0.1047	0.0332	0.1071	0.0163	1.0901
15 mph	0.1336	0.0216	0.0880	0.0467	0.0368	0.0116	0.0317	0.0048	0.3748
20 mph	0.2399	0.0383	0.1571	0.0833	0.0677	0.0211	0.0573	0.0087	0.6733
25 mph	1.0899	0.1722	0.7078	0.3768	0.3113	0.0963	0.2857	0.0439	3.0839
30 mph	1.1092	0.1744	0.7159	0.3825	0.3224	0.0988	0.2386	0.0372	3.0791
35 mph	0.8527	0.1340	0.5472	0.2940	0.2530	0.0767	0.1004	0.0159	2.2739
40 mph	0.2713	0.0427	0.1740	0.0937	0.0816	0.0245	0.1068	0.0170	0.8116
45 mph	0.2191	0.0347	0.1409	0.0759	0.0666	0.0199	0.0824	0.0132	0.6526
50 mph	0.2165	0.0347	0.1395	0.0755	0.0666	0.0196	0.1324	0.0213	0.7062
55 mph	0.1755	0.0286	0.1143	0.0618	0.0545	0.0160	0.0310	0.0050	0.4867
60 mph	0.3655	0.0607	0.2403	0.1299	0.1129	0.0331	0.0321	0.0051	0.9797
65 mph	0.0477	0.0081	0.0315	0.0172	0.0149	0.0043	-	-	0.1238
70 mph	-	-	-	-	-	-	-	-	-
total	5.1010	0.8124	3.3088	1.7712	1.4931	0.4552	1.2054	0.1884	14.3356

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0314	0.0052	0.0209	0.0232	0.0225	0.0071	-	-	0.1102
15 mph	0.0276	0.0045	0.0182	0.0202	0.0197	0.0062	-	-	0.0964
20 mph	0.0248	0.0040	0.0162	0.0180	0.0181	0.0057	0.1033	0.0157	0.2058
25 mph	0.0451	0.0071	0.0293	0.0325	0.0334	0.0103	0.1639	0.0252	0.3468
30 mph	0.0834	0.0131	0.0538	0.0601	0.0629	0.0193	0.2581	0.0403	0.5909
35 mph	0.1763	0.0277	0.1131	0.1269	0.1356	0.0411	0.2413	0.0382	0.9004
40 mph	0.1870	0.0294	0.1199	0.1348	0.1459	0.0438	0.2118	0.0336	0.9062
45 mph	0.1449	0.0230	0.0932	0.1049	0.1143	0.0341	0.1486	0.0238	0.6868
50 mph	0.1612	0.0259	0.1039	0.1173	0.1285	0.0379	0.0734	0.0118	0.6599
55 mph	0.0907	0.0148	0.0591	0.0667	0.0730	0.0214	0.0373	0.0060	0.3690
60 mph	0.0567	0.0094	0.0373	0.0421	0.0454	0.0133	2.7014	0.4322	3.3377
65 mph	0.0197	0.0034	0.0130	0.0148	0.0160	0.0047	-	-	0.0716
70 mph	0.9438	0.1723	0.6086	0.7252	0.8218	0.2178	-	-	3.4896
total	1.9927	0.3397	1.2865	1.4868	1.6370	0.4627	3.9390	0.6267	11.7711

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1286	0.0383	0.1131	0.0143	0.2942
15 mph	0.2972	0.0480	0.1958	0.0677	0.0569	0.0180	0.0515	0.0078	0.7428
25 mph	-	-	-	-	0.0914	0.0283	0.1848	0.0284	0.3328
35 mph	0.9066	0.1424	0.5818	0.1873	-	-	-	-	1.8181
total	1.2038	0.1904	0.7775	0.2550	0.2769	0.0845	0.3494	0.0505	3.1879

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1286	0.0383	0.1131	0.0143	0.2942
10 mph	0.4114	0.0675	0.2732	0.1572	0.1272	0.0403	0.1071	0.0163	1.2003
15 mph	0.4584	0.0740	0.3020	0.1345	0.1134	0.0358	0.0832	0.0126	1.2140
20 mph	0.2647	0.0422	0.1733	0.1013	0.0858	0.0268	0.1606	0.0244	0.8791
25 mph	1.1349	0.1793	0.7371	0.4093	0.4361	0.1349	0.6344	0.0974	3.7635
30 mph	1.1927	0.1875	0.7697	0.4426	0.3853	0.1181	0.4966	0.0775	3.6699
35 mph	1.9356	0.3041	1.2421	0.6082	0.3886	0.1178	0.3417	0.0541	4.9923
40 mph	0.4583	0.0722	0.2939	0.2285	0.2275	0.0683	0.3185	0.0506	1.7178
45 mph	0.3640	0.0577	0.2341	0.1808	0.1810	0.0539	0.2310	0.0370	1.3394
50 mph	0.3777	0.0606	0.2434	0.1928	0.1952	0.0575	0.2058	0.0331	1.3661
55 mph	0.2663	0.0434	0.1733	0.1285	0.1275	0.0373	0.0683	0.0110	0.8556
60 mph	0.4222	0.0701	0.2775	0.1720	0.1582	0.0464	2.7335	0.4373	4.3174
65 mph	0.0675	0.0115	0.0446	0.0320	0.0308	0.0090	-	-	0.1953
70 mph	0.9438	0.1723	0.6086	0.7252	0.8218	0.2178	-	-	3.4896
total	8.2975	1.3425	5.3729	3.5130	3.4070	1.0024	5.4938	0.8656	29.2946

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0077	0.0001	0.0049	0.0038	0.4605	0.3087	12.8838	51.8062	65.4756
15 mph	0.0022	0.0000	0.0013	0.0010	0.1516	0.1026	3.0140	11.5172	14.7900
20 mph	0.0032	0.0000	0.0018	0.0015	0.2893	0.1936	4.7864	16.1486	21.4244
25 mph	0.0134	0.0002	0.0067	0.0059	1.4077	0.9384	20.5597	74.0862	97.0183
30 mph	0.0132	0.0002	0.0062	0.0057	1.6062	1.0608	14.0037	50.5368	67.2329
35 mph	0.0099	0.0002	0.0045	0.0043	1.4087	0.9162	4.6177	17.2045	24.1661
40 mph	0.0031	0.0001	0.0013	0.0014	0.4960	0.3198	3.7331	14.0056	18.5604
45 mph	0.0025	0.0001	0.0010	0.0011	0.4301	0.2765	2.2485	8.5203	11.4802
50 mph	0.0025	0.0001	0.0010	0.0010	0.4543	0.2913	3.0893	11.3630	15.2024
55 mph	0.0020	0.0001	0.0007	0.0008	0.3664	0.2362	0.7264	2.6867	4.0193
60 mph	0.0040	0.0001	0.0014	0.0016	0.7462	0.4803	0.8830	3.2208	5.3374
65 mph	0.0005	0.0000	0.0002	0.0002	0.1047	0.0668	-	-	0.1725
70 mph	-	-	-	-	-	-	-	-	-
total	0.0643	0.0012	0.0310	0.0283	7.9217	5.1913	70.5456	261.0959	344.8793

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0004	0.0006	0.0988	0.0662	-	-	0.1666
15 mph	0.0005	0.0000	0.0003	0.0004	0.0813	0.0550	-	-	0.1375
20 mph	0.0003	0.0000	0.0002	0.0003	0.0775	0.0519	8.6287	29.1120	37.8710
25 mph	0.0006	0.0000	0.0003	0.0005	0.1509	0.1006	11.7931	42.4961	54.5421
30 mph	0.0010	0.0000	0.0005	0.0009	0.3131	0.2068	15.1471	54.6632	70.3326
35 mph	0.0021	0.0000	0.0009	0.0019	0.7552	0.4911	11.0995	41.3540	53.7047
40 mph	0.0022	0.0000	0.0009	0.0019	0.8863	0.5715	7.4028	27.7735	36.6392
45 mph	0.0017	0.0000	0.0007	0.0015	0.7378	0.4744	4.0535	15.3600	20.6297
50 mph	0.0019	0.0000	0.0007	0.0016	0.8767	0.5623	1.7136	6.3030	9.4598
55 mph	0.0010	0.0000	0.0004	0.0009	0.4911	0.3166	0.8730	3.2290	4.9119
60 mph	0.0006	0.0000	0.0002	0.0005	0.3000	0.1931	74.2847	270.9632	345.7423
65 mph	0.0002	0.0000	0.0001	0.0002	0.1123	0.0717	-	-	0.1844
70 mph	0.0100	0.0002	0.0035	0.0099	9.7668	5.7372	-	-	15.5277
total	0.0226	0.0005	0.0091	0.0212	14.6478	8.8983	134.9961	491.2540	649.8496

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.8475	2.6257	9.0083	14.4023	29.8837
15 mph	0.0049	0.0000	0.0029	0.0015	0.2343	0.1586	4.9009	18.7275	24.0307
25 mph	-	-	-	-	0.4130	0.2754	13.2994	47.9241	61.9119
35 mph	0.0106	0.0002	0.0048	0.0028	-	-	-	-	0.0183
total	0.0155	0.0003	0.0077	0.0043	4.4948	3.0596	27.2086	81.0539	115.8446

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.8475	2.6257	9.0083	14.4023	29.8837
10 mph	0.0083	0.0001	0.0053	0.0044	0.5593	0.3749	12.8838	51.8062	65.6422
15 mph	0.0076	0.0001	0.0045	0.0030	0.4672	0.3162	7.9149	30.2447	38.9581
20 mph	0.0036	0.0000	0.0019	0.0018	0.3668	0.2455	13.4151	45.2607	59.2954
25 mph	0.0140	0.0002	0.0070	0.0064	1.9717	1.3144	45.6522	164.5064	213.4723
30 mph	0.0142	0.0003	0.0067	0.0066	1.9193	1.2676	29.1509	105.2000	137.5655
35 mph	0.0226	0.0005	0.0102	0.0090	2.1639	1.4073	15.7172	58.5586	77.8891
40 mph	0.0053	0.0001	0.0023	0.0033	1.3823	0.8914	11.1359	41.7791	55.1996
45 mph	0.0042	0.0001	0.0017	0.0025	1.1679	0.7509	6.3021	23.8803	32.1098
50 mph	0.0044	0.0001	0.0017	0.0027	1.3310	0.8536	4.8029	17.6659	24.6622
55 mph	0.0030	0.0001	0.0011	0.0017	0.8575	0.5528	1.5993	5.9158	8.9312
60 mph	0.0046	0.0001	0.0016	0.0021	1.0462	0.6734	75.1677	274.1840	351.0797
65 mph	0.0007	0.0000	0.0002	0.0004	0.2170	0.1385	-	-	0.3569
70 mph	0.0100	0.0002	0.0035	0.0099	9.7668	5.7372	-	-	15.5277
total	0.1025	0.0019	0.0477	0.0538	27.0644	17.1492	232.7502	833.4039	1,110.5735

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.7683	0.7683
15 mph								0.1890	0.1890
20 mph								0.2927	0.2927
25 mph								1.3601	1.3601
30 mph								1.1009	1.1009
35 mph								0.4519	0.4519
40 mph								0.4662	0.4662
45 mph								0.3515	0.3515
50 mph								0.5455	0.5455
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.5260	5.5260

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.5277	0.5277
25 mph								0.7801	0.7801
30 mph								1.1908	1.1908
35 mph								1.0861	1.0861
40 mph								0.9245	0.9245
45 mph								0.6337	0.6337
50 mph								0.3026	0.3026
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.5847	3.5847

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.0297	1.0297
15 mph								0.3073	0.3073
25 mph								0.8798	0.8798
35 mph								-	-
total	-	-	-	-	-	-	-	2.2168	2.2168

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.0297	1.0297
10 mph								0.7683	0.7683
15 mph								0.4963	0.4963
20 mph								0.8204	0.8204
25 mph								3.0200	3.0200
30 mph								2.2917	2.2917
35 mph								1.5380	1.5380
40 mph								1.3907	1.3907
45 mph								0.9852	0.9852
50 mph								0.8481	0.8481
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	13.1884	13.1884

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.9761	2.6640	9.1213	15.4463	31.2077
10 mph	0.4197	0.0676	0.2785	0.1616	0.6865	0.4152	12.9909	52.5908	67.6108
15 mph	0.4660	0.0741	0.3065	0.1375	0.5806	0.3520	7.9980	30.7536	40.6685
20 mph	0.2682	0.0423	0.1752	0.1031	0.4526	0.2722	13.5757	46.1054	60.9948
25 mph	1.1489	0.1796	0.7441	0.4157	2.4077	1.4493	46.2865	167.6239	220.2558
30 mph	1.2069	0.1878	0.7764	0.4492	2.3046	1.3857	29.6475	107.5692	143.5272
35 mph	1.9582	0.3046	1.2523	0.6172	2.5525	1.5251	16.0590	60.1506	84.4194
40 mph	0.4636	0.0723	0.2962	0.2318	1.6098	0.9597	11.4545	43.2203	58.3081
45 mph	0.3682	0.0578	0.2358	0.1833	1.3489	0.8048	6.5330	24.9026	34.4344
50 mph	0.3821	0.0607	0.2451	0.1955	1.5262	0.9111	5.0087	18.5471	26.8764
55 mph	0.2692	0.0435	0.1744	0.1302	0.9850	0.5901	1.6676	5.9267	9.7868
60 mph	0.4268	0.0703	0.2792	0.1741	1.2044	0.7198	77.9012	274.6213	355.3971
65 mph	0.0682	0.0115	0.0448	0.0324	0.2478	0.1475	-	-	0.5522
70 mph	0.9539	0.1726	0.6122	0.7351	10.5885	5.9550	-	-	19.0172
STREX	0.8939	0.0845	0.4307	0.8958	0.5692	0.1732	9.3905	19.0900	31.5279
total	9.2939	1.4289	5.8513	4.4625	31.0405	18.3249	247.6345	866.5478	**1,184.5844**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1312	0.1628	0.1683	0.1954	0.3795	0.3923	0.3284	0.1442
Diesel	-	-	-	-	-	-	2.1557	2.4541
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.8939	0.0845	0.4307	0.8958	0.5692	0.1732	0.2385	0.0008
Diesel	-	-	-	-	-	-	9.1521	19.0891
Electric/NG	-	-	-	-	-	-	-	-
Total	0.8939	0.0845	0.4307	0.8958	0.5692	0.1732	9.3905	19.0900

World Logistics Center
Mobile Emissions - 2031 (Net) - Unmitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					154.7850	154.9623	387.4028	274.7643
10 mph	0.7792	1.1616	1.0301	1.0972	0.5853	0.4142	0.8079	49.8983
15 mph	0.7104	1.0467	0.9360	0.9947	0.4900	0.3650	0.7346	45.2378
20 mph	0.6503	0.9515	0.8548	0.9078	0.4294	0.3275	0.6739	41.2716
25 mph	0.5960	0.8664	0.7811	0.8296	0.3781	0.2942	0.6104	37.7462
30 mph	0.5479	0.7930	0.7161	0.7614	0.3401	0.2667	0.5529	34.6387
35 mph	0.5053	0.7301	0.6588	0.7018	0.3131	0.2447	0.5051	31.9339
40 mph	0.4685	0.6772	0.6107	0.6510	0.2944	0.2281	0.4699	29.6343
45 mph	0.4370	0.6321	0.5696	0.6074	0.2813	0.2142	0.4348	27.5770
50 mph	0.4075	0.5925	0.5311	0.5675	0.2739	0.2024	0.4068	25.7523
55 mph	0.3791	0.5547	0.4949	0.5298	0.2750	0.1950	0.3854	24.1508
60 mph	0.3474	0.5127	0.4547	0.4879	0.2815	0.1901	0.3647	22.6894
65 mph	0.3215	0.4802	0.4217	0.4541	0.3048	0.1918		
70 mph	0.3130	0.4927	0.4077	0.4463	0.3073	0.1682		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	20.7254	34.7516
10 mph	2.1243	2.3031	1.9220	2.3301	2.3678	2.3983	0.4893	1.3214
15 mph	1.0411	1.3424	0.9394	1.1384	1.1913	1.2048	0.2654	0.7246
20 mph	0.4109	0.7707	0.3666	0.4456	0.5146	0.5183	0.1774	0.4503
25 mph	0.2495	0.5720	0.2206	0.2695	0.3308	0.3323	0.1357	0.3587
30 mph	0.1897	0.4763	0.1669	0.2048	0.2616	0.2620	0.1042	0.2757
35 mph	0.1520	0.4182	0.1329	0.1641	0.2209	0.2199	0.0786	0.2071
40 mph	0.1264	0.3898	0.1098	0.1360	0.1945	0.1927	0.0590	0.1562
45 mph	0.1082	0.3832	0.0933	0.1158	0.1779	0.1755	0.0453	0.1205
50 mph	0.0952	0.3956	0.0809	0.1012	0.1711	0.1679	0.0376	0.0998
55 mph	0.0854	0.4341	0.0716	0.0899	0.1684	0.1648	0.0359	0.0963
60 mph	0.0827	0.5039	0.0680	0.0859	0.1791	0.1744	0.0400	0.1067
65 mph	0.0850	0.6109	0.0686	0.0879	0.2167	0.2091		
70 mph	0.0883	0.6667	0.0697	0.0935	0.3804	0.3427		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								33.7263
10 mph								35.5083
15 mph								25.0027
20 mph								18.0844
25 mph								13.2552
30 mph								9.7713
35 mph								7.2039
40 mph								5.3120
45 mph								3.9180
50 mph								2.8910
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	8.6781	0.9859	4.3101	2.0672	0.4903	0.1021	0.3411	0.1699	17.1448
15 mph	3.1646	0.3553	1.5664	0.7496	0.1642	0.0360	0.1034	0.0514	6.1909
20 mph	5.7936	0.6460	2.8612	1.3683	0.2878	0.0646	0.1897	0.0937	11.3048
25 mph	26.5490	2.9411	13.0725	6.2523	1.2670	0.2902	0.9450	0.4713	51.7884
30 mph	26.8455	2.9611	13.1828	6.3117	1.2535	0.2894	0.7782	0.3932	52.0154
35 mph	20.2584	2.2306	9.9225	4.7602	0.9441	0.2172	0.3199	0.1631	38.8161
40 mph	6.2611	0.6897	3.0661	1.4717	0.2959	0.0675	0.3306	0.1682	12.3508
45 mph	4.8670	0.5365	2.3832	1.1444	0.2357	0.0528	0.2448	0.1252	9.5896
50 mph	4.5378	0.5029	2.2220	1.0692	0.2295	0.0499	0.3721	0.1900	9.1734
55 mph	3.3775	0.3766	1.6566	0.7986	0.1843	0.0385	0.0814	0.0411	6.5545
60 mph	6.1903	0.6961	3.0439	1.4707	0.3773	0.0750	0.0770	0.0386	11.9688
65 mph	0.7162	0.0815	0.3529	0.1711	0.0511	0.0095	-	-	1.3822
70 mph	-	-	-	-	-	-	-	-	-
total	117.2390	13.0035	57.6401	27.6349	5.7807	1.2926	3.7831	1.9059	228.2797

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.7177	0.0815	0.3565	0.3571	0.1051	0.0219	-	-	1.6398
15 mph	0.6543	0.0735	0.3239	0.3237	0.0880	0.0193	-	-	1.4827
20 mph	0.5990	0.0668	0.2958	0.2954	0.0771	0.0173	0.3419	0.1689	1.8623
25 mph	1.0979	0.1216	0.5406	0.5400	0.1358	0.0311	0.5421	0.2704	3.2794
30 mph	2.0184	0.2226	0.9912	0.9911	0.2444	0.0564	0.8417	0.4253	5.7912
35 mph	4.1887	0.4612	2.0516	2.0556	0.5061	0.1165	0.7689	0.3921	10.5407
40 mph	4.3153	0.4753	2.1132	2.1184	0.5288	0.1206	0.6556	0.3336	10.6607
45 mph	3.2202	0.3550	1.5768	1.5814	0.4043	0.0906	0.4413	0.2257	7.8953
50 mph	3.3777	0.3743	1.6540	1.6621	0.4429	0.0963	0.2064	0.1054	7.9191
55 mph	1.7458	0.1947	0.8563	0.8621	0.2470	0.0516	0.0978	0.0494	4.1047
60 mph	0.9599	0.1080	0.4720	0.4763	0.1517	0.0301	6.4763	3.2503	11.9247
65 mph	0.2962	0.0337	0.1459	0.1478	0.0548	0.0101	-	-	0.6885
70 mph	13.2611	1.5909	6.4891	6.6815	2.5394	0.4090	-	-	30.9711
total	36.4522	4.1591	17.8669	18.0924	5.5255	1.0708	10.3720	5.2212	98.7601

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	15.9600	4.7030	18.1867	0.1438	38.9934
15 mph	7.0374	0.7902	3.4834	1.0872	0.2537	0.0556	0.1681	0.0835	12.9591
25 mph	-	-	-	-	0.3718	0.0852	0.6113	0.3049	1.3731
35 mph	21.5374	2.3715	10.5490	3.0329	-	-	-	-	37.4907
total	28.5748	3.1616	14.0324	4.1201	16.5854	4.8438	18.9661	0.5322	90.8163

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	15.9600	4.7030	18.1867	0.1438	38.9934
10 mph	9.3958	1.0674	4.6666	2.4242	0.5955	0.1240	0.3411	0.1699	18.7846
15 mph	10.8563	1.2189	5.3737	2.1605	0.5059	0.1109	0.2715	0.1349	20.6326
20 mph	6.3926	0.7128	3.1570	1.6637	0.3649	0.0819	0.5316	0.2626	13.1671
25 mph	27.6469	3.0627	13.6130	6.7923	1.7746	0.4065	2.0983	1.0466	56.4410
30 mph	28.8639	3.1838	14.1739	7.3028	1.4979	0.3458	1.6199	0.8185	57.8065
35 mph	45.9845	5.0633	22.5231	9.8486	1.4502	0.3337	1.0887	0.5552	86.8475
40 mph	10.5764	1.1650	5.1793	3.5901	0.8247	0.1881	0.9863	0.5018	23.0115
45 mph	8.0872	0.8915	3.9601	2.7258	0.6400	0.1434	0.6860	0.3510	17.4848
50 mph	7.9155	0.8772	3.8760	2.7313	0.6724	0.1462	0.5786	0.2954	17.0925
55 mph	5.1233	0.5713	2.5129	1.6607	0.4313	0.0900	0.1791	0.0905	10.6592
60 mph	7.1502	0.8041	3.5159	1.9470	0.5290	0.1051	6.5533	3.2890	23.8935
65 mph	1.0123	0.1152	0.4988	0.3189	0.1058	0.0196	-	-	2.0706
70 mph	13.2611	1.5909	6.4891	6.6815	2.5394	0.4090	-	-	30.9711
total	182.2661	20.3243	89.5394	49.8474	27.8915	7.2072	33.1211	7.6592	417.8561

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.2673	0.0003	0.0743	0.1386	1.9189	1.3090	1.2079	5.9758	10.8921
15 mph	0.0524	0.0001	0.0145	0.0271	0.3862	0.2630	0.2184	1.0924	2.0540
20 mph	0.0414	0.0001	0.0113	0.0212	0.3336	0.2263	0.2920	1.3576	2.2835
25 mph	0.1256	0.0003	0.0341	0.0641	1.0722	0.7254	1.2278	5.9480	9.1976
30 mph	0.1050	0.0003	0.0284	0.0536	0.9328	0.6291	0.8571	4.1560	6.7624
35 mph	0.0689	0.0002	0.0185	0.0352	0.6444	0.4321	0.2911	1.4050	2.8953
40 mph	0.0191	0.0001	0.0051	0.0097	0.1891	0.1262	0.2428	1.1775	1.7696
45 mph	0.0136	0.0001	0.0036	0.0069	0.1442	0.0958	0.1492	0.7264	1.1398
50 mph	0.0120	0.0001	0.0031	0.0060	0.1387	0.0917	0.2013	0.9783	1.4311
55 mph	0.0086	0.0000	0.0022	0.0043	0.1092	0.0720	0.0443	0.2179	0.4584
60 mph	0.0166	0.0001	0.0042	0.0082	0.2322	0.1523	0.0494	0.2414	0.7044
65 mph	0.0021	0.0000	0.0005	0.0010	0.0351	0.0228	-	-	0.0617
70 mph	-	-	-	-	-	-	-	-	-
total	0.7326	0.0016	0.1999	0.3760	6.1365	4.1457	4.7814	23.2763	39.6500

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0221	0.0000	0.0061	0.0239	0.4115	0.2807	-	-	0.7444
15 mph	0.0108	0.0000	0.0030	0.0117	0.2070	0.1410	-	-	0.3736
20 mph	0.0043	0.0000	0.0012	0.0046	0.0894	0.0607	0.5264	2.4475	3.1340
25 mph	0.0052	0.0000	0.0014	0.0055	0.1150	0.0778	0.7043	3.4118	4.3210
30 mph	0.0079	0.0000	0.0021	0.0084	0.1818	0.1226	0.9271	4.4953	5.7454
35 mph	0.0142	0.0000	0.0038	0.0152	0.3454	0.2316	0.6998	3.3772	4.6874
40 mph	0.0131	0.0000	0.0035	0.0140	0.3380	0.2255	0.4815	2.3351	3.4107
45 mph	0.0090	0.0000	0.0024	0.0095	0.2474	0.1643	0.2690	1.3095	2.0111
50 mph	0.0089	0.0000	0.0023	0.0094	0.2676	0.1769	0.1117	0.5427	1.1195
55 mph	0.0044	0.0000	0.0011	0.0046	0.1463	0.0965	0.0532	0.2618	0.5680
60 mph	0.0026	0.0000	0.0007	0.0026	0.0933	0.0612	4.1567	20.3048	24.6220
65 mph	0.0009	0.0000	0.0002	0.0009	0.0377	0.0245	-	-	0.0641
70 mph	0.0423	0.0003	0.0102	0.0442	3.0407	1.8450	-	-	4.9828
total	0.1458	0.0006	0.0382	0.1546	5.5211	3.5083	7.9297	38.4856	55.7839

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.6234	1.7669	5.6882	17.4750	27.5534
15 mph	0.1165	0.0002	0.0323	0.0393	0.5966	0.4064	0.3551	1.7762	3.3226
25 mph	-	-	-	-	0.3146	0.2129	0.7943	3.8475	5.1693
35 mph	0.0732	0.0002	0.0197	0.0224	-	-	-	-	0.1155
total	0.1897	0.0004	0.0520	0.0617	3.5346	2.3861	6.8376	23.0988	36.1608

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.6234	1.7669	5.6882	17.4750	27.5534
10 mph	0.2894	0.0003	0.0804	0.1626	2.3303	1.5897	1.2079	5.9758	11.6365
15 mph	0.1797	0.0003	0.0498	0.0781	1.1898	0.8104	0.5735	2.8686	5.7502
20 mph	0.0456	0.0001	0.0125	0.0258	0.4231	0.2870	0.8184	3.8051	5.4175
25 mph	0.1308	0.0003	0.0355	0.0697	1.5018	1.0161	2.7264	13.2073	18.6879
30 mph	0.1129	0.0003	0.0305	0.0620	1.1146	0.7518	1.7842	8.6513	12.5078
35 mph	0.1563	0.0005	0.0420	0.0727	0.9898	0.6637	0.9909	4.7823	7.6982
40 mph	0.0322	0.0001	0.0086	0.0237	0.5271	0.3517	0.7243	3.5126	5.1803
45 mph	0.0226	0.0001	0.0060	0.0164	0.3915	0.2601	0.4182	2.0359	3.1509
50 mph	0.0209	0.0001	0.0055	0.0154	0.4063	0.2685	0.3130	1.5210	2.5506
55 mph	0.0130	0.0001	0.0034	0.0089	0.2554	0.1684	0.0975	0.4797	1.0264
60 mph	0.0192	0.0001	0.0049	0.0108	0.3255	0.2136	4.2062	20.5461	25.3264
65 mph	0.0030	0.0000	0.0007	0.0019	0.0728	0.0473	-	-	0.1258
70 mph	0.0423	0.0003	0.0102	0.0442	3.0407	1.8450	-	-	4.9828
total	1.0681	0.0027	0.2901	0.5923	15.1922	10.0401	19.5486	84.8607	131.5947

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								10.4387	10.4387
15 mph								2.4501	2.4501
20 mph								3.5443	3.5443
25 mph								14.2881	14.2881
30 mph								9.5752	9.5752
35 mph								3.1767	3.1767
40 mph								2.6027	2.6027
45 mph								1.5358	1.5358
50 mph								1.8415	1.8415
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	49.4530	49.4530

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								6.3895	6.3895
25 mph								8.1957	8.1957
30 mph								10.3570	10.3570
35 mph								7.6357	7.6357
40 mph								5.1612	5.1612
45 mph								2.7686	2.7686
50 mph								1.0214	1.0214
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	32.5779	32.5779

Internal Emissions Electric/N P

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.1024	1.1024
15 mph								3.9840	3.9840
25 mph								9.2425	9.2425
35 mph								-	-
total	-	-	-	-	-	-	-	14.3290	14.3290

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.1024	1.1024
10 mph								10.4387	10.4387
15 mph								6.4341	6.4341
20 mph								9.9338	9.9338
25 mph								31.7264	31.7264
30 mph								19.9322	19.9322
35 mph								10.8124	10.8124
40 mph								7.7639	7.7639
45 mph								4.3043	4.3043
50 mph								2.8629	2.8629
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	105.3112	105.3112

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	18.5833	6.4699	23.8749	18.7212	67.6492
10 mph	9.6852	1.0678	4.7470	2.5868	2.9258	1.7137	1.5490	16.5845	40.8598
15 mph	11.0361	1.2192	5.4235	2.2385	1.6957	0.9214	0.8450	9.4376	32.8169
20 mph	6.4382	0.7129	3.1695	1.6895	0.7880	0.3689	1.3500	14.0015	28.5184
25 mph	27.7776	3.0631	13.6486	6.8620	3.2764	1.4225	4.8247	45.9802	106.8552
30 mph	28.9769	3.1841	14.2044	7.3649	2.6125	1.0975	3.4041	29.4020	90.2465
35 mph	46.1408	5.0638	22.5651	9.9214	2.4400	0.9974	2.0797	16.1499	105.3581
40 mph	10.6086	1.1651	5.1879	3.6138	1.3518	0.5398	1.7105	11.7783	35.9558
45 mph	8.1098	0.8915	3.9661	2.7422	1.0315	0.4035	1.1042	6.6912	24.9400
50 mph	7.9364	0.8773	3.8814	2.7467	1.0786	0.4147	0.8915	4.6793	22.5060
55 mph	5.1364	0.5714	2.5163	1.6696	0.6867	0.2585	0.2766	0.5702	11.6857
60 mph	7.1694	0.8042	3.5207	1.9578	0.8545	0.3187	10.7594	23.8351	49.2199
65 mph	1.0153	0.1152	0.4996	0.3208	0.1786	0.0669	-	-	2.1964
70 mph	13.3034	1.5912	6.4994	6.7257	5.5802	2.2540	-	-	35.9539
STREX	11.4061	0.9166	5.4946	10.5750	2.2322	0.6387	2.4004	0.0293	33.6929
total	194.7403	21.2435	95.3241	61.0147	45.3160	17.8860	55.0701	197.8603	**688.4548**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.6740	1.7652	2.1464	2.3065	1.4882	1.4467	3.3054	4.9952
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	11.4061	0.9166	5.4946	10.5750	2.2322	0.6387	2.4004	0.0293
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	11.4061	0.9166	5.4946	10.5750	2.2322	0.6387	2.4004	0.0293

World Logistics Center
Mobile Emissions - 2031 (Net) - Unmitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0516	0.0516	0.1303	0.2011
10 mph	0.0042	0.0049	0.0050	0.0061	0.0135	0.0156	0.0278	0.0327
15 mph	0.0034	0.0040	0.0041	0.0050	0.0111	0.0127	0.0228	0.0268
20 mph	0.0028	0.0033	0.0034	0.0042	0.0092	0.0106	0.0189	0.0224
25 mph	0.0024	0.0029	0.0029	0.0036	0.0079	0.0090	0.0162	0.0192
30 mph	0.0022	0.0025	0.0026	0.0032	0.0070	0.0080	0.0144	0.0170
35 mph	0.0020	0.0023	0.0024	0.0029	0.0065	0.0074	0.0133	0.0157
40 mph	0.0019	0.0023	0.0023	0.0029	0.0063	0.0072	0.0129	0.0152
45 mph	0.0019	0.0023	0.0023	0.0029	0.0063	0.0072	0.0130	0.0152
50 mph	0.0020	0.0024	0.0024	0.0030	0.0065	0.0074	0.0133	0.0156
55 mph	0.0021	0.0024	0.0025	0.0031	0.0067	0.0078	0.0139	0.0163
60 mph	0.0021	0.0025	0.0026	0.0032	0.0070	0.0081	0.0144	0.0169
65 mph	0.0022	0.0026	0.0026	0.0033	0.0072	0.0083		
70 mph	0.0022	0.0026	0.0027	0.0033	0.0073	0.0084		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0322	0.0521	0.0539	0.0483
10 mph	0.0034	0.0071	0.0045	0.0056	0.0084	0.0093	0.0162	0.0253
15 mph	0.0028	0.0059	0.0038	0.0048	0.0054	0.0062	0.0128	0.0189
20 mph	0.0023	0.0049	0.0031	0.0040	0.0046	0.0053	0.0109	0.0159
25 mph	0.0019	0.0041	0.0026	0.0034	0.0041	0.0047	0.0095	0.0134
30 mph	0.0017	0.0035	0.0022	0.0029	0.0037	0.0043	0.0084	0.0117
35 mph	0.0015	0.0031	0.0020	0.0026	0.0037	0.0043	0.0075	0.0107
40 mph	0.0014	0.0029	0.0019	0.0025	0.0036	0.0041	0.0068	0.0097
45 mph	0.0014	0.0028	0.0018	0.0024	0.0036	0.0040	0.0065	0.0092
50 mph	0.0014	0.0028	0.0018	0.0024	0.0037	0.0041	0.0064	0.0090
55 mph	0.0014	0.0029	0.0019	0.0025	0.0039	0.0042	0.0066	0.0093
60 mph	0.0015	0.0032	0.0021	0.0027	0.0039	0.0043	0.0070	0.0099
65 mph	0.0017	0.0036	0.0023	0.0031	0.0040	0.0043		
70 mph	0.0019	0.0037	0.0025	0.0033	0.0041	0.0044		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0466	0.0042	0.0209	0.0116	0.0113	0.0038	0.0117	0.0001	0.1102
15 mph	0.0152	0.0014	0.0068	0.0038	0.0037	0.0013	0.0032	0.0000	0.0354
20 mph	0.0253	0.0023	0.0113	0.0063	0.0062	0.0021	0.0053	0.0001	0.0589
25 mph	0.1083	0.0097	0.0485	0.0269	0.0263	0.0089	0.0250	0.0002	0.2539
30 mph	0.1057	0.0095	0.0474	0.0263	0.0257	0.0087	0.0202	0.0002	0.2437
35 mph	0.0802	0.0072	0.0360	0.0200	0.0195	0.0066	0.0084	0.0001	0.1780
40 mph	0.0259	0.0023	0.0116	0.0065	0.0063	0.0021	0.0091	0.0001	0.0639
45 mph	0.0217	0.0019	0.0097	0.0054	0.0053	0.0018	0.0073	0.0001	0.0532
50 mph	0.0224	0.0020	0.0100	0.0056	0.0054	0.0018	0.0122	0.0001	0.0595
55 mph	0.0186	0.0017	0.0083	0.0046	0.0045	0.0015	0.0029	0.0000	0.0422
60 mph	0.0383	0.0034	0.0172	0.0096	0.0094	0.0032	0.0030	0.0000	0.0841
65 mph	0.0049	0.0004	0.0022	0.0012	0.0012	0.0004	-	-	0.0104
70 mph	-	-	-	-	-	-	-	-	-
total	0.5132	0.0459	0.2300	0.1276	0.1248	0.0423	0.1085	0.0010	1.1933

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0039	0.0003	0.0017	0.0020	0.0024	0.0008	-	-	0.0112
15 mph	0.0031	0.0003	0.0014	0.0016	0.0020	0.0007	-	-	0.0091
20 mph	0.0026	0.0002	0.0012	0.0014	0.0017	0.0006	0.0096	0.0001	0.0173
25 mph	0.0045	0.0004	0.0020	0.0023	0.0028	0.0010	0.0144	0.0001	0.0275
30 mph	0.0080	0.0007	0.0036	0.0041	0.0050	0.0017	0.0219	0.0002	0.0451
35 mph	0.0166	0.0015	0.0074	0.0086	0.0105	0.0035	0.0203	0.0002	0.0686
40 mph	0.0179	0.0016	0.0080	0.0093	0.0112	0.0038	0.0180	0.0002	0.0700
45 mph	0.0144	0.0013	0.0064	0.0075	0.0090	0.0031	0.0131	0.0001	0.0549
50 mph	0.0166	0.0015	0.0075	0.0086	0.0105	0.0035	0.0068	0.0001	0.0551
55 mph	0.0096	0.0009	0.0043	0.0050	0.0060	0.0020	0.0035	0.0000	0.0314
60 mph	0.0059	0.0005	0.0027	0.0031	0.0038	0.0013	0.2559	0.0024	0.2756
65 mph	0.0020	0.0002	0.0009	0.0011	0.0013	0.0004	-	-	0.0059
70 mph	0.0945	0.0085	0.0424	0.0499	0.0605	0.0204	-	-	0.2761
total	0.1996	0.0179	0.0894	0.1045	0.1267	0.0428	0.3635	0.0034	0.9478

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0053	0.0016	0.0061	0.0001	0.0131
15 mph	0.0339	0.0030	0.0152	0.0055	0.0057	0.0019	0.0052	0.0000	0.0705
25 mph	-	-	-	-	0.0077	0.0026	0.0162	0.0002	0.0267
35 mph	0.0853	0.0076	0.0382	0.0127	-	-	-	-	0.1439
total	0.1192	0.0107	0.0534	0.0182	0.0188	0.0061	0.0275	0.0003	0.2542

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0053	0.0016	0.0061	0.0001	0.0131
10 mph	0.0504	0.0045	0.0226	0.0136	0.0138	0.0047	0.0117	0.0001	0.1214
15 mph	0.0523	0.0047	0.0234	0.0109	0.0114	0.0039	0.0084	0.0001	0.1150
20 mph	0.0280	0.0025	0.0125	0.0076	0.0078	0.0026	0.0149	0.0001	0.0761
25 mph	0.1128	0.0101	0.0505	0.0292	0.0369	0.0125	0.0556	0.0005	0.3081
30 mph	0.1137	0.0102	0.0509	0.0304	0.0307	0.0104	0.0421	0.0004	0.2888
35 mph	0.1821	0.0163	0.0816	0.0413	0.0300	0.0102	0.0287	0.0003	0.3905
40 mph	0.0438	0.0039	0.0196	0.0157	0.0175	0.0059	0.0271	0.0003	0.1339
45 mph	0.0361	0.0032	0.0162	0.0129	0.0143	0.0048	0.0204	0.0002	0.1081
50 mph	0.0390	0.0035	0.0175	0.0142	0.0159	0.0054	0.0190	0.0002	0.1146
55 mph	0.0282	0.0025	0.0126	0.0096	0.0106	0.0036	0.0064	0.0001	0.0736
60 mph	0.0442	0.0040	0.0198	0.0127	0.0132	0.0045	0.2590	0.0024	0.3597
65 mph	0.0069	0.0006	0.0031	0.0023	0.0025	0.0008	-	-	0.0163
70 mph	0.0945	0.0085	0.0424	0.0499	0.0605	0.0204	-	-	0.2761
total	0.8319	0.0744	0.3728	0.2503	0.2702	0.0913	0.4995	0.0048	2.3952

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0004	0.0000	0.0002	0.0003	0.0068	0.0051	0.0401	0.1143	0.1672
15 mph	0.0001	0.0000	0.0001	0.0001	0.0018	0.0014	0.0105	0.0284	0.0424
20 mph	0.0002	0.0000	0.0001	0.0002	0.0030	0.0023	0.0180	0.0480	0.0717
25 mph	0.0010	0.0000	0.0004	0.0008	0.0133	0.0103	0.0862	0.2221	0.3341
30 mph	0.0009	0.0000	0.0004	0.0008	0.0133	0.0102	0.0688	0.1771	0.2715
35 mph	0.0007	0.0000	0.0003	0.0006	0.0109	0.0084	0.0277	0.0723	0.1208
40 mph	0.0002	0.0000	0.0001	0.0002	0.0035	0.0027	0.0282	0.0735	0.1084
45 mph	0.0002	0.0000	0.0001	0.0001	0.0029	0.0022	0.0214	0.0557	0.0824
50 mph	0.0002	0.0000	0.0001	0.0001	0.0030	0.0022	0.0342	0.0881	0.1280
55 mph	0.0001	0.0000	0.0001	0.0001	0.0025	0.0019	0.0081	0.0210	0.0339
60 mph	0.0003	0.0000	0.0001	0.0003	0.0051	0.0037	0.0087	0.0223	0.0405
65 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0005	-	-	0.0012
70 mph	-	-	-	-	-	-	-	-	-
total	0.0044	0.0000	0.0018	0.0036	0.0669	0.0508	0.3518	0.9228	1.4021

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0001	0.0015	0.0011	-	-	0.0027
15 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0007	-	-	0.0018
20 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	0.0324	0.0865	0.1203
25 mph	0.0000	0.0000	0.0000	0.0001	0.0014	0.0011	0.0494	0.1274	0.1795
30 mph	0.0001	0.0000	0.0000	0.0001	0.0026	0.0020	0.0744	0.1916	0.2708
35 mph	0.0001	0.0000	0.0001	0.0002	0.0059	0.0045	0.0665	0.1739	0.2512
40 mph	0.0001	0.0000	0.0001	0.0003	0.0063	0.0048	0.0559	0.1457	0.2132
45 mph	0.0001	0.0000	0.0000	0.0002	0.0049	0.0037	0.0385	0.1003	0.1478
50 mph	0.0001	0.0000	0.0001	0.0002	0.0058	0.0043	0.0190	0.0489	0.0784
55 mph	0.0001	0.0000	0.0000	0.0001	0.0034	0.0025	0.0098	0.0253	0.0412
60 mph	0.0000	0.0000	0.0000	0.0001	0.0021	0.0015	0.7308	1.8780	2.6125
65 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	-	-	0.0013
70 mph	0.0009	0.0000	0.0004	0.0016	0.0325	0.0235	-	-	0.0589
total	0.0018	0.0000	0.0007	0.0031	0.0689	0.0509	1.0766	2.7775	3.9794

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0032	0.0035	0.0148	0.0243	0.0458
15 mph	0.0003	0.0000	0.0001	0.0002	0.0027	0.0021	0.0171	0.0462	0.0687
25 mph	-	-	-	-	0.0039	0.0030	0.0558	0.1437	0.2063
35 mph	0.0007	0.0000	0.0003	0.0004	-	-	-	-	0.0014
total	0.0010	0.0000	0.0004	0.0005	0.0099	0.0086	0.0876	0.2142	0.3222

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0032	0.0035	0.0148	0.0243	0.0458
10 mph	0.0005	0.0000	0.0002	0.0004	0.0082	0.0062	0.0401	0.1143	0.1698
15 mph	0.0005	0.0000	0.0002	0.0003	0.0054	0.0042	0.0276	0.0747	0.1129
20 mph	0.0003	0.0000	0.0001	0.0002	0.0038	0.0029	0.0503	0.1344	0.1921
25 mph	0.0010	0.0000	0.0004	0.0009	0.0187	0.0144	0.1914	0.4931	0.7199
30 mph	0.0010	0.0000	0.0004	0.0009	0.0159	0.0122	0.1432	0.3687	0.5423
35 mph	0.0015	0.0000	0.0006	0.0012	0.0168	0.0129	0.0942	0.2463	0.3734
40 mph	0.0004	0.0000	0.0001	0.0004	0.0099	0.0075	0.0840	0.2192	0.3215
45 mph	0.0003	0.0000	0.0001	0.0003	0.0078	0.0059	0.0599	0.1560	0.2303
50 mph	0.0003	0.0000	0.0001	0.0004	0.0089	0.0066	0.0532	0.1369	0.2064
55 mph	0.0002	0.0000	0.0001	0.0002	0.0059	0.0043	0.0179	0.0463	0.0751
60 mph	0.0004	0.0000	0.0001	0.0003	0.0072	0.0052	0.7394	1.9003	2.6530
65 mph	0.0001	0.0000	0.0000	0.0001	0.0013	0.0010	-	-	0.0025
70 mph	0.0009	0.0000	0.0004	0.0016	0.0325	0.0235	-	-	0.0589
total	0.0072	0.0000	0.0030	0.0072	0.1456	0.1103	1.5161	3.9144	5.7038

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
15 mph								-	-
25 mph								-	-
35 mph								-	-
total	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0085	0.0051	0.0209	0.0244	0.0589
10 mph	0.0509	0.0045	0.0228	0.0140	0.0220	0.0109	0.0518	0.1144	0.2912
15 mph	0.0527	0.0047	0.0236	0.0112	0.0168	0.0080	0.0360	0.0747	0.2279
20 mph	0.0282	0.0025	0.0126	0.0079	0.0116	0.0056	0.0652	0.1346	0.2682
25 mph	0.1138	0.0101	0.0509	0.0301	0.0555	0.0269	0.2470	0.4936	1.0280
30 mph	0.1147	0.0102	0.0514	0.0313	0.0466	0.0226	0.1853	0.3691	0.8312
35 mph	0.1837	0.0163	0.0823	0.0425	0.0467	0.0230	0.1229	0.2465	0.7639
40 mph	0.0441	0.0039	0.0198	0.0162	0.0274	0.0135	0.1111	0.2194	0.4554
45 mph	0.0364	0.0032	0.0163	0.0132	0.0221	0.0107	0.0803	0.1562	0.3384
50 mph	0.0393	0.0035	0.0176	0.0146	0.0247	0.0119	0.0722	0.1371	0.3209
55 mph	0.0284	0.0025	0.0127	0.0099	0.0165	0.0079	0.0243	0.0464	0.1487
60 mph	0.0446	0.0040	0.0200	0.0130	0.0203	0.0097	0.9984	1.9028	3.0127
65 mph	0.0070	0.0006	0.0031	0.0024	0.0038	0.0018	-	-	0.0188
70 mph	0.0954	0.0085	0.0427	0.0515	0.0930	0.0439	-	-	0.3349
STREX	0.0030	0.0003	0.0014	0.0031	0.0003	0.0001	0.0002	0.0000	0.0083
total	0.8421	0.0747	0.3772	0.2606	0.4161	0.2016	2.0158	3.9192	**8.1074**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0004	0.0005	0.0005	0.0007	0.0002	0.0002	0.0003	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0030	0.0003	0.0014	0.0031	0.0003	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0030	0.0003	0.0014	0.0031	0.0003	0.0001	0.0002	0.0000

World Logistics Center
Mobile Emissions - 2031 (Net) - Unmitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0385	0.0366	0.0362	0.0384
10 mph	0.0041	0.0051	0.0043	0.0044	0.0049	0.0046	0.0046	0.0049
15 mph	0.0027	0.0034	0.0029	0.0029	0.0032	0.0031	0.0030	0.0032
20 mph	0.0019	0.0024	0.0020	0.0021	0.0023	0.0022	0.0021	0.0023
25 mph	0.0014	0.0018	0.0015	0.0015	0.0017	0.0016	0.0016	0.0017
30 mph	0.0011	0.0014	0.0012	0.0012	0.0013	0.0012	0.0012	0.0013
35 mph	0.0009	0.0011	0.0009	0.0010	0.0011	0.0010	0.0010	0.0011
40 mph	0.0008	0.0010	0.0008	0.0008	0.0009	0.0009	0.0009	0.0009
45 mph	0.0007	0.0009	0.0008	0.0008	0.0009	0.0008	0.0008	0.0009
50 mph	0.0007	0.0009	0.0007	0.0007	0.0008	0.0008	0.0008	0.0008
55 mph	0.0007	0.0009	0.0007	0.0008	0.0008	0.0008	0.0008	0.0009
60 mph	0.0007	0.0009	0.0008	0.0008	0.0009	0.0009	0.0008	0.0009
65 mph	0.0008	0.0011	0.0009	0.0008	0.0010	0.0010		
70 mph	0.0009	0.0012	0.0010	0.0010	0.0011	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7943	0.8012	0.0162	0.0121
10 mph	0.0062	0.1355	0.0090	0.0050	0.0212	0.0308	0.0047	0.0119
15 mph	0.0051	0.0991	0.0078	0.0042	0.0166	0.0251	0.0036	0.0090
20 mph	0.0041	0.0761	0.0066	0.0035	0.0138	0.0211	0.0030	0.0064
25 mph	0.0034	0.0610	0.0056	0.0029	0.0116	0.0178	0.0029	0.0067
30 mph	0.0029	0.0511	0.0050	0.0026	0.0102	0.0156	0.0031	0.0072
35 mph	0.0025	0.0448	0.0045	0.0023	0.0093	0.0142	0.0037	0.0086
40 mph	0.0023	0.0410	0.0041	0.0021	0.0086	0.0130	0.0047	0.0109
45 mph	0.0022	0.0391	0.0038	0.0020	0.0081	0.0122	0.0060	0.0141
50 mph	0.0021	0.0390	0.0036	0.0019	0.0078	0.0116	0.0078	0.0181
55 mph	0.0020	0.0408	0.0034	0.0018	0.0075	0.0111	0.0099	0.0236
60 mph	0.0021	0.0443	0.0033	0.0018	0.0076	0.0111	0.0124	0.0291
65 mph	0.0022	0.0506	0.0034	0.0019	0.0083	0.0117		
70 mph	0.0022	0.0584	0.0034	0.0021	0.0122	0.0146		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0320
10 mph								0.0062
15 mph								0.0052
20 mph								0.0045
25 mph								0.0040
30 mph								0.0037
35 mph								0.0035
40 mph								0.0034
45 mph								0.0033
50 mph								0.0033
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0452	0.0043	0.0180	0.0083	0.0041	0.0011	0.0019	0.0000	0.0830
15 mph	0.0120	0.0011	0.0048	0.0022	0.0011	0.0003	0.0004	0.0000	0.0220
20 mph	0.0168	0.0016	0.0067	0.0031	0.0015	0.0004	0.0006	0.0000	0.0308
25 mph	0.0622	0.0060	0.0248	0.0114	0.0056	0.0016	0.0024	0.0000	0.1141
30 mph	0.0533	0.0051	0.0213	0.0098	0.0048	0.0013	0.0017	0.0000	0.0975
35 mph	0.0359	0.0035	0.0143	0.0066	0.0033	0.0009	0.0006	0.0000	0.0650
40 mph	0.0104	0.0010	0.0041	0.0019	0.0009	0.0003	0.0006	0.0000	0.0192
45 mph	0.0079	0.0008	0.0031	0.0015	0.0007	0.0002	0.0004	0.0000	0.0146
50 mph	0.0076	0.0007	0.0030	0.0014	0.0007	0.0002	0.0007	0.0000	0.0144
55 mph	0.0062	0.0006	0.0025	0.0011	0.0006	0.0002	0.0002	0.0000	0.0113
60 mph	0.0133	0.0013	0.0053	0.0024	0.0012	0.0003	0.0002	0.0000	0.0241
65 mph	0.0019	0.0002	0.0007	0.0003	0.0002	0.0000	-	-	0.0033
70 mph	-	-	-	-	-	-	-	-	-
total	0.2727	0.0262	0.1088	0.0501	0.0247	0.0069	0.0099	0.0001	0.4994

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0037	0.0004	0.0015	0.0014	0.0009	0.0002	-	-	0.0081
15 mph	0.0025	0.0002	0.0010	0.0010	0.0006	0.0002	-	-	0.0054
20 mph	0.0017	0.0002	0.0007	0.0007	0.0004	0.0001	0.0011	0.0000	0.0049
25 mph	0.0026	0.0002	0.0010	0.0010	0.0006	0.0002	0.0014	0.0000	0.0070
30 mph	0.0040	0.0004	0.0016	0.0015	0.0009	0.0003	0.0019	0.0000	0.0106
35 mph	0.0074	0.0007	0.0030	0.0028	0.0017	0.0005	0.0015	0.0000	0.0177
40 mph	0.0071	0.0007	0.0028	0.0027	0.0017	0.0005	0.0012	0.0000	0.0168
45 mph	0.0052	0.0005	0.0021	0.0020	0.0012	0.0003	0.0008	0.0000	0.0122
50 mph	0.0057	0.0005	0.0023	0.0022	0.0013	0.0004	0.0004	0.0000	0.0128
55 mph	0.0032	0.0003	0.0013	0.0012	0.0008	0.0002	0.0002	0.0000	0.0072
60 mph	0.0021	0.0002	0.0008	0.0008	0.0005	0.0001	0.0151	0.0001	0.0197
65 mph	0.0008	0.0001	0.0003	0.0003	0.0002	0.0001	-	-	0.0017
70 mph	0.0394	0.0037	0.0153	0.0148	0.0092	0.0025	-	-	0.0850
total	0.0855	0.0082	0.0337	0.0324	0.0201	0.0055	0.0236	0.0002	0.2092

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0040	0.0011	0.0017	0.0000	0.0068
15 mph	0.0267	0.0026	0.0107	0.0032	0.0017	0.0005	0.0007	0.0000	0.0460
25 mph	-	-	-	-	0.0017	0.0005	0.0016	0.0000	0.0037
35 mph	0.0381	0.0037	0.0152	0.0042	-	-	-	-	0.0612
total	0.0648	0.0062	0.0259	0.0074	0.0073	0.0020	0.0040	0.0000	0.1177

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0040	0.0011	0.0017	0.0000	0.0068
10 mph	0.0490	0.0047	0.0195	0.0097	0.0050	0.0014	0.0019	0.0000	0.0911
15 mph	0.0412	0.0039	0.0165	0.0064	0.0033	0.0009	0.0011	0.0000	0.0734
20 mph	0.0186	0.0018	0.0074	0.0038	0.0019	0.0005	0.0017	0.0000	0.0357
25 mph	0.0647	0.0062	0.0259	0.0124	0.0079	0.0022	0.0054	0.0000	0.1249
30 mph	0.0573	0.0055	0.0229	0.0113	0.0058	0.0016	0.0036	0.0000	0.1081
35 mph	0.0814	0.0079	0.0324	0.0136	0.0050	0.0014	0.0022	0.0000	0.1439
40 mph	0.0175	0.0017	0.0070	0.0046	0.0026	0.0007	0.0018	0.0000	0.0360
45 mph	0.0131	0.0013	0.0052	0.0035	0.0020	0.0005	0.0013	0.0000	0.0269
50 mph	0.0133	0.0013	0.0053	0.0036	0.0020	0.0006	0.0011	0.0000	0.0272
55 mph	0.0094	0.0009	0.0037	0.0024	0.0013	0.0004	0.0004	0.0000	0.0185
60 mph	0.0154	0.0015	0.0061	0.0032	0.0017	0.0005	0.0152	0.0001	0.0438
65 mph	0.0027	0.0003	0.0011	0.0006	0.0004	0.0001	-	-	0.0050
70 mph	0.0394	0.0037	0.0153	0.0148	0.0092	0.0025	-	-	0.0850
total	0.4231	0.0406	0.1684	0.0899	0.0521	0.0145	0.0374	0.0003	0.8263

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0008	0.0000	0.0003	0.0003	0.0172	0.0168	0.0115	0.0538	0.1007
15 mph	0.0003	0.0000	0.0001	0.0001	0.0054	0.0055	0.0030	0.0135	0.0278
20 mph	0.0004	0.0000	0.0002	0.0002	0.0090	0.0092	0.0050	0.0193	0.0433
25 mph	0.0017	0.0000	0.0009	0.0007	0.0375	0.0388	0.0260	0.1113	0.2169
30 mph	0.0016	0.0000	0.0008	0.0007	0.0363	0.0375	0.0255	0.1086	0.2111
35 mph	0.0012	0.0000	0.0006	0.0005	0.0271	0.0278	0.0137	0.0583	0.1292
40 mph	0.0003	0.0000	0.0002	0.0002	0.0084	0.0085	0.0193	0.0822	0.1190
45 mph	0.0003	0.0000	0.0001	0.0001	0.0066	0.0067	0.0199	0.0851	0.1188
50 mph	0.0003	0.0000	0.0001	0.0001	0.0063	0.0063	0.0417	0.1769	0.2318
55 mph	0.0002	0.0000	0.0001	0.0001	0.0049	0.0049	0.0123	0.0533	0.0757
60 mph	0.0004	0.0000	0.0002	0.0002	0.0099	0.0097	0.0153	0.0657	0.1014
65 mph	0.0001	0.0000	0.0000	0.0000	0.0013	0.0013	-	-	0.0027
70 mph	-	-	-	-	-	-	-	-	-
total	0.0075	0.0002	0.0038	0.0031	0.1698	0.1730	0.1931	0.8280	1.3785

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0001	0.0037	0.0036	-	-	0.0074
15 mph	0.0001	0.0000	0.0000	0.0000	0.0029	0.0029	-	-	0.0059
20 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0025	0.0090	0.0348	0.0488
25 mph	0.0001	0.0000	0.0000	0.0001	0.0040	0.0042	0.0149	0.0638	0.0871
30 mph	0.0001	0.0000	0.0001	0.0001	0.0071	0.0073	0.0276	0.1175	0.1598
35 mph	0.0002	0.0000	0.0001	0.0002	0.0145	0.0149	0.0329	0.1402	0.2032
40 mph	0.0002	0.0000	0.0001	0.0002	0.0150	0.0153	0.0382	0.1629	0.2319
45 mph	0.0002	0.0000	0.0001	0.0002	0.0113	0.0114	0.0358	0.1534	0.2124
50 mph	0.0002	0.0000	0.0001	0.0002	0.0122	0.0122	0.0231	0.0981	0.1462
55 mph	0.0001	0.0000	0.0001	0.0001	0.0065	0.0065	0.0147	0.0640	0.0921
60 mph	0.0001	0.0000	0.0000	0.0001	0.0040	0.0039	1.2897	5.5267	6.8244
65 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0014	-	-	0.0029
70 mph	0.0011	0.0000	0.0005	0.0010	0.0975	0.0787	-	-	0.1787
total	0.0025	0.0001	0.0012	0.0022	0.1824	0.1648	1.4860	6.3616	8.2007

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0792	0.0538	0.0045	0.0061	0.1436
15 mph	0.0006	0.0000	0.0003	0.0001	0.0083	0.0085	0.0049	0.0219	0.0446
25 mph	-	-	-	-	0.0110	0.0114	0.0168	0.0720	0.1112
35 mph	0.0012	0.0000	0.0007	0.0003	-	-	-	-	0.0022
total	0.0018	0.0000	0.0009	0.0005	0.0985	0.0737	0.0262	0.1000	0.3016

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0792	0.0538	0.0045	0.0061	0.1436
10 mph	0.0008	0.0000	0.0004	0.0003	0.0209	0.0204	0.0115	0.0538	0.1082
15 mph	0.0009	0.0000	0.0004	0.0003	0.0165	0.0169	0.0079	0.0354	0.0784
20 mph	0.0005	0.0000	0.0002	0.0002	0.0114	0.0117	0.0141	0.0540	0.0920
25 mph	0.0018	0.0000	0.0009	0.0008	0.0525	0.0543	0.0578	0.2471	0.4153
30 mph	0.0017	0.0000	0.0009	0.0008	0.0434	0.0449	0.0531	0.2261	0.3709
35 mph	0.0026	0.0001	0.0014	0.0010	0.0416	0.0427	0.0466	0.1985	0.3346
40 mph	0.0006	0.0000	0.0003	0.0004	0.0233	0.0238	0.0574	0.2451	0.3509
45 mph	0.0005	0.0000	0.0002	0.0003	0.0178	0.0181	0.0557	0.2386	0.3311
50 mph	0.0005	0.0000	0.0002	0.0003	0.0185	0.0186	0.0648	0.2750	0.3779
55 mph	0.0003	0.0000	0.0002	0.0002	0.0114	0.0114	0.0270	0.1173	0.1678
60 mph	0.0005	0.0000	0.0002	0.0002	0.0138	0.0136	1.3050	5.5924	6.9258
65 mph	0.0001	0.0000	0.0000	0.0000	0.0028	0.0027	-	-	0.0056
70 mph	0.0011	0.0000	0.0005	0.0010	0.0975	0.0787	-	-	0.1787
total	0.0117	0.0002	0.0060	0.0058	0.4507	0.4115	1.7053	7.2896	9.8809

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0018	0.0018
15 mph								0.0005	0.0005
20 mph								0.0009	0.0009
25 mph								0.0043	0.0043
30 mph								0.0036	0.0036
35 mph								0.0015	0.0015
40 mph								0.0017	0.0017
45 mph								0.0013	0.0013
50 mph								0.0021	0.0021
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0178	0.0178

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0016	0.0016
25 mph								0.0025	0.0025
30 mph								0.0039	0.0039
35 mph								0.0037	0.0037
40 mph								0.0033	0.0033
45 mph								0.0023	0.0023
50 mph								0.0012	0.0012
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0117	0.0117

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0008	0.0008
25 mph								0.0028	0.0028
35 mph								-	-
total	-	-	-	-	-	-	-	0.0047	0.0047

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0018	0.0018
15 mph								0.0013	0.0013
20 mph								0.0024	0.0024
25 mph								0.0096	0.0096
30 mph								0.0076	0.0076
35 mph								0.0053	0.0053
40 mph								0.0049	0.0049
45 mph								0.0036	0.0036
50 mph								0.0033	0.0033
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0410	0.0410

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0832	0.0549	0.0062	0.0072	0.1514
10 mph	0.0498	0.0047	0.0199	0.0101	0.0258	0.0218	0.0134	0.0557	0.2012
15 mph	0.0421	0.0040	0.0169	0.0066	0.0199	0.0178	0.0090	0.0368	0.1530
20 mph	0.0190	0.0018	0.0077	0.0040	0.0133	0.0122	0.0157	0.0565	0.1302
25 mph	0.0665	0.0063	0.0268	0.0132	0.0604	0.0565	0.0633	0.2568	0.5498
30 mph	0.0590	0.0056	0.0238	0.0121	0.0492	0.0465	0.0567	0.2338	0.4866
35 mph	0.0840	0.0079	0.0338	0.0147	0.0466	0.0441	0.0488	0.2038	0.4838
40 mph	0.0181	0.0017	0.0073	0.0050	0.0260	0.0245	0.0593	0.2500	0.3919
45 mph	0.0136	0.0013	0.0055	0.0037	0.0198	0.0186	0.0570	0.2422	0.3616
50 mph	0.0138	0.0013	0.0055	0.0039	0.0206	0.0191	0.0659	0.2783	0.4084
55 mph	0.0097	0.0009	0.0039	0.0026	0.0127	0.0118	0.0273	0.1173	0.1863
60 mph	0.0159	0.0015	0.0064	0.0035	0.0155	0.0141	1.3202	5.5926	6.9696
65 mph	0.0027	0.0003	0.0011	0.0006	0.0031	0.0028	-	-	0.0106
70 mph	0.0405	0.0038	0.0158	0.0158	0.1067	0.0812	-	-	0.2638
STREX	0.0087	0.0008	0.0034	0.0062	0.0005	0.0001	0.0003	0.0000	0.0201
total	0.4435	0.0417	0.1777	0.1019	0.5034	0.4261	1.7430	7.3309	**10.7682**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0013	0.0016	0.0013	0.0014	0.0003	0.0003	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0087	0.0008	0.0034	0.0062	0.0005	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0087	0.0008	0.0034	0.0062	0.0005	0.0001	0.0003	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	9.9672	0.7596	3.7447	1.6862	1.4147	0.4792	1.0016	0.0046
Diesel	0.1126	0.0001	0.0346	0.0532	1.4334	1.1045	5.8558	7.2509
Electric/NG	0.4807	0.0195	0.1201	0.0575	-	-	-	0.4789
Total	10.5605	0.7792	3.8993	1.7969	2.8481	1.5837	6.8574	7.7344

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	4.1217	0.3141	1.5485	1.4563	1.5168	0.5138	3.6113	0.0167
Diesel	0.0466	0.0001	0.0143	0.0460	1.5369	1.1842	21.1130	26.1432
Electric/NG	0.1988	0.0080	0.0496	0.0496	-	-	-	1.7267
Total	4.3671	0.3222	1.6125	1.5519	3.0537	1.6980	24.7244	27.8866

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.3507	0.1791	0.8831	0.2423	0.1267	0.0429	0.1751	0.0008
Diesel	0.0266	0.0000	0.0082	0.0077	0.1284	0.0989	1.0238	1.2677
Electric/NG	0.1134	0.0046	0.0283	0.0083	-	-	-	0.0837
Total	2.4906	0.1838	0.9196	0.2582	0.2551	0.1419	1.1989	1.3522

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	16.4396	1.2528	6.1763	3.3848	3.0583	1.0360	4.7881	0.0222	36.1581
Diesel	0.1857	0.0002	0.0571	0.1069	3.0987	2.3876	27.9926	34.6618	68.4906
Electric/NG	0.7929	0.0321	0.1980	0.1153	-	-	-	2.2893	3.4276
Total	17.4182	1.2851	6.4314	3.6070	6.1570	3.4236	32.7807	36.9733	**108.0763**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	96.1824
Internal	78.5586
Total	**174.7410**

World Logistics Center
Mobile Emissions - 2031 (Net) - Unmitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0354	0.0336	0.0333	0.0353
10 mph	0.0037	0.0047	0.0040	0.0040	0.0045	0.0042	0.0042	0.0045
15 mph	0.0025	0.0031	0.0026	0.0027	0.0030	0.0028	0.0028	0.0030
20 mph	0.0017	0.0022	0.0018	0.0019	0.0021	0.0020	0.0020	0.0021
25 mph	0.0013	0.0016	0.0014	0.0014	0.0015	0.0015	0.0015	0.0015
30 mph	0.0010	0.0013	0.0011	0.0011	0.0012	0.0011	0.0011	0.0012
35 mph	0.0008	0.0010	0.0009	0.0009	0.0010	0.0009	0.0009	0.0010
40 mph	0.0007	0.0009	0.0008	0.0008	0.0009	0.0008	0.0008	0.0009
45 mph	0.0007	0.0008	0.0007	0.0007	0.0008	0.0007	0.0007	0.0008
50 mph	0.0006	0.0008	0.0007	0.0007	0.0008	0.0007	0.0007	0.0008
55 mph	0.0006	0.0008	0.0007	0.0007	0.0008	0.0007	0.0007	0.0008
60 mph	0.0007	0.0009	0.0007	0.0007	0.0008	0.0008	0.0008	0.0008
65 mph	0.0008	0.0010	0.0008	0.0008	0.0010	0.0009		
70 mph	0.0009	0.0011	0.0009	0.0009	0.0010	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7599	0.7666	0.0155	0.0116
10 mph	0.0059	0.1296	0.0087	0.0048	0.0203	0.0295	0.0045	0.0114
15 mph	0.0048	0.0948	0.0075	0.0040	0.0158	0.0241	0.0035	0.0086
20 mph	0.0039	0.0728	0.0063	0.0033	0.0132	0.0202	0.0029	0.0061
25 mph	0.0032	0.0583	0.0054	0.0028	0.0111	0.0170	0.0028	0.0064
30 mph	0.0028	0.0489	0.0048	0.0025	0.0097	0.0150	0.0030	0.0069
35 mph	0.0024	0.0429	0.0043	0.0022	0.0089	0.0135	0.0035	0.0082
40 mph	0.0022	0.0393	0.0039	0.0021	0.0082	0.0125	0.0045	0.0104
45 mph	0.0021	0.0374	0.0037	0.0019	0.0077	0.0117	0.0058	0.0135
50 mph	0.0020	0.0373	0.0034	0.0018	0.0075	0.0111	0.0075	0.0173
55 mph	0.0020	0.0390	0.0033	0.0018	0.0072	0.0107	0.0095	0.0225
60 mph	0.0020	0.0424	0.0032	0.0017	0.0073	0.0106	0.0119	0.0278
65 mph	0.0021	0.0484	0.0032	0.0018	0.0079	0.0112		
70 mph	0.0021	0.0558	0.0033	0.0020	0.0117	0.0140		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0306
10 mph								0.0060
15 mph								0.0050
20 mph								0.0043
25 mph								0.0038
30 mph								0.0036
35 mph								0.0034
40 mph								0.0032
45 mph								0.0032
50 mph								0.0032
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0416	0.0040	0.0166	0.0076	0.0038	0.0010	0.0018	0.0000	0.0763
15 mph	0.0110	0.0011	0.0044	0.0020	0.0010	0.0003	0.0004	0.0000	0.0202
20 mph	0.0155	0.0015	0.0062	0.0028	0.0014	0.0004	0.0006	0.0000	0.0284
25 mph	0.0572	0.0055	0.0228	0.0105	0.0052	0.0014	0.0022	0.0000	0.1049
30 mph	0.0490	0.0047	0.0196	0.0090	0.0044	0.0012	0.0016	0.0000	0.0896
35 mph	0.0330	0.0032	0.0131	0.0061	0.0030	0.0008	0.0006	0.0000	0.0598
40 mph	0.0095	0.0009	0.0038	0.0017	0.0009	0.0002	0.0006	0.0000	0.0177
45 mph	0.0073	0.0007	0.0029	0.0013	0.0007	0.0002	0.0004	0.0000	0.0135
50 mph	0.0070	0.0007	0.0028	0.0013	0.0006	0.0002	0.0006	0.0000	0.0132
55 mph	0.0057	0.0005	0.0023	0.0010	0.0005	0.0001	0.0002	0.0000	0.0104
60 mph	0.0123	0.0012	0.0049	0.0022	0.0011	0.0003	0.0002	0.0000	0.0222
65 mph	0.0017	0.0002	0.0007	0.0003	0.0002	0.0000	-	-	0.0031
70 mph	-	-	-	-	-	-	-	-	-
total	0.2508	0.0241	0.1000	0.0461	0.0228	0.0063	0.0091	0.0001	0.4593

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0034	0.0003	0.0014	0.0013	0.0008	0.0002	-	-	0.0075
15 mph	0.0023	0.0002	0.0009	0.0009	0.0005	0.0001	-	-	0.0050
20 mph	0.0016	0.0002	0.0006	0.0006	0.0004	0.0001	0.0010	0.0000	0.0045
25 mph	0.0024	0.0002	0.0009	0.0009	0.0006	0.0002	0.0013	0.0000	0.0065
30 mph	0.0037	0.0004	0.0015	0.0014	0.0009	0.0002	0.0017	0.0000	0.0098
35 mph	0.0068	0.0007	0.0027	0.0026	0.0016	0.0004	0.0014	0.0000	0.0163
40 mph	0.0066	0.0006	0.0026	0.0025	0.0015	0.0004	0.0011	0.0000	0.0154
45 mph	0.0048	0.0005	0.0019	0.0018	0.0011	0.0003	0.0007	0.0000	0.0112
50 mph	0.0052	0.0005	0.0021	0.0020	0.0012	0.0003	0.0004	0.0000	0.0117
55 mph	0.0030	0.0003	0.0012	0.0011	0.0007	0.0002	0.0002	0.0000	0.0066
60 mph	0.0019	0.0002	0.0008	0.0007	0.0005	0.0001	0.0139	0.0001	0.0181
65 mph	0.0007	0.0001	0.0003	0.0003	0.0002	0.0000	-	-	0.0016
70 mph	0.0363	0.0034	0.0141	0.0136	0.0085	0.0023	-	-	0.0782
total	0.0786	0.0075	0.0310	0.0299	0.0185	0.0051	0.0217	0.0002	0.1924

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0036	0.0010	0.0016	0.0000	0.0062
15 mph	0.0245	0.0024	0.0098	0.0029	0.0015	0.0004	0.0006	0.0000	0.0423
25 mph	-	-	-	-	0.0015	0.0004	0.0015	0.0000	0.0034
35 mph	0.0351	0.0034	0.0140	0.0039	-	-	-	-	0.0563
total	0.0596	0.0057	0.0238	0.0068	0.0067	0.0019	0.0037	0.0000	0.1082

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0036	0.0010	0.0016	0.0000	0.0062
10 mph	0.0450	0.0043	0.0179	0.0089	0.0046	0.0013	0.0018	0.0000	0.0838
15 mph	0.0379	0.0036	0.0151	0.0058	0.0031	0.0009	0.0010	0.0000	0.0674
20 mph	0.0171	0.0016	0.0068	0.0035	0.0018	0.0005	0.0016	0.0000	0.0328
25 mph	0.0595	0.0057	0.0238	0.0114	0.0073	0.0020	0.0050	0.0000	0.1148
30 mph	0.0527	0.0051	0.0210	0.0104	0.0053	0.0015	0.0033	0.0000	0.0994
35 mph	0.0748	0.0072	0.0298	0.0125	0.0046	0.0013	0.0020	0.0000	0.1323
40 mph	0.0161	0.0016	0.0064	0.0043	0.0024	0.0007	0.0017	0.0000	0.0331
45 mph	0.0121	0.0012	0.0048	0.0032	0.0018	0.0005	0.0012	0.0000	0.0247
50 mph	0.0122	0.0012	0.0049	0.0033	0.0019	0.0005	0.0010	0.0000	0.0250
55 mph	0.0087	0.0008	0.0034	0.0022	0.0012	0.0003	0.0003	0.0000	0.0170
60 mph	0.0142	0.0014	0.0056	0.0030	0.0016	0.0004	0.0140	0.0001	0.0403
65 mph	0.0025	0.0002	0.0010	0.0006	0.0003	0.0001	-	-	0.0047
70 mph	0.0363	0.0034	0.0141	0.0136	0.0085	0.0023	-	-	0.0782
total	0.3890	0.0374	0.1548	0.0827	0.0479	0.0133	0.0344	0.0003	0.7598

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0003	0.0003	0.0164	0.0161	0.0110	0.0515	0.0964
15 mph	0.0002	0.0000	0.0001	0.0001	0.0051	0.0053	0.0029	0.0129	0.0266
20 mph	0.0004	0.0000	0.0002	0.0002	0.0086	0.0088	0.0048	0.0184	0.0414
25 mph	0.0016	0.0000	0.0008	0.0007	0.0359	0.0371	0.0249	0.1065	0.2076
30 mph	0.0015	0.0000	0.0008	0.0006	0.0347	0.0359	0.0244	0.1039	0.2020
35 mph	0.0011	0.0000	0.0006	0.0005	0.0259	0.0266	0.0131	0.0558	0.1236
40 mph	0.0003	0.0000	0.0002	0.0001	0.0080	0.0082	0.0184	0.0786	0.1139
45 mph	0.0003	0.0000	0.0001	0.0001	0.0063	0.0064	0.0190	0.0814	0.1136
50 mph	0.0003	0.0000	0.0001	0.0001	0.0060	0.0061	0.0399	0.1693	0.2217
55 mph	0.0002	0.0000	0.0001	0.0001	0.0047	0.0047	0.0117	0.0510	0.0724
60 mph	0.0004	0.0000	0.0002	0.0002	0.0094	0.0093	0.0147	0.0629	0.0970
65 mph	0.0001	0.0000	0.0000	0.0000	0.0013	0.0012	-	-	0.0026
70 mph	-	-	-	-	-	-	-	-	-
total	0.0071	0.0001	0.0037	0.0030	0.1624	0.1655	0.1848	0.7922	1.3189

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0000	0.0035	0.0034	-	-	0.0071
15 mph	0.0001	0.0000	0.0000	0.0000	0.0028	0.0028	-	-	0.0057
20 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0024	0.0087	0.0333	0.0467
25 mph	0.0001	0.0000	0.0000	0.0001	0.0038	0.0040	0.0143	0.0611	0.0834
30 mph	0.0001	0.0000	0.0001	0.0001	0.0068	0.0070	0.0264	0.1124	0.1529
35 mph	0.0002	0.0000	0.0001	0.0002	0.0139	0.0143	0.0315	0.1341	0.1944
40 mph	0.0002	0.0000	0.0001	0.0002	0.0143	0.0146	0.0365	0.1559	0.2219
45 mph	0.0002	0.0000	0.0001	0.0002	0.0108	0.0109	0.0343	0.1468	0.2032
50 mph	0.0002	0.0000	0.0001	0.0002	0.0117	0.0117	0.0221	0.0939	0.1398
55 mph	0.0001	0.0000	0.0001	0.0001	0.0063	0.0062	0.0141	0.0613	0.0881
60 mph	0.0001	0.0000	0.0000	0.0001	0.0038	0.0037	1.2339	5.2876	6.5292
65 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0013	-	-	0.0027
70 mph	0.0010	0.0000	0.0005	0.0009	0.0933	0.0753	-	-	0.1710
total	0.0024	0.0001	0.0012	0.0021	0.1745	0.1576	1.4217	6.0864	7.8460

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0758	0.0515	0.0043	0.0058	0.1374
15 mph	0.0005	0.0000	0.0003	0.0001	0.0079	0.0081	0.0047	0.0210	0.0427
25 mph	-	-	-	-	0.0105	0.0109	0.0161	0.0689	0.1064
35 mph	0.0012	0.0000	0.0006	0.0003	-	-	-	-	0.0021
total	0.0017	0.0000	0.0009	0.0004	0.0943	0.0705	0.0250	0.0957	0.2886

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0758	0.0515	0.0043	0.0058	0.1374
10 mph	0.0008	0.0000	0.0004	0.0003	0.0200	0.0195	0.0110	0.0515	0.1035
15 mph	0.0008	0.0000	0.0004	0.0003	0.0158	0.0162	0.0075	0.0339	0.0750
20 mph	0.0004	0.0000	0.0002	0.0002	0.0109	0.0112	0.0134	0.0517	0.0881
25 mph	0.0017	0.0000	0.0009	0.0007	0.0503	0.0520	0.0553	0.2364	0.3973
30 mph	0.0016	0.0000	0.0009	0.0007	0.0415	0.0429	0.0508	0.2164	0.3548
35 mph	0.0025	0.0000	0.0014	0.0010	0.0398	0.0409	0.0446	0.1899	0.3201
40 mph	0.0006	0.0000	0.0003	0.0004	0.0223	0.0228	0.0550	0.2345	0.3357
45 mph	0.0004	0.0000	0.0002	0.0003	0.0170	0.0173	0.0533	0.2282	0.3168
50 mph	0.0004	0.0000	0.0002	0.0003	0.0177	0.0178	0.0620	0.2631	0.3616
55 mph	0.0003	0.0000	0.0002	0.0002	0.0109	0.0109	0.0258	0.1123	0.1605
60 mph	0.0005	0.0000	0.0002	0.0002	0.0132	0.0130	1.2485	5.3505	6.6262
65 mph	0.0001	0.0000	0.0000	0.0000	0.0027	0.0025	-	-	0.0054
70 mph	0.0010	0.0000	0.0005	0.0009	0.0933	0.0753	-	-	0.1710
total	0.0112	0.0002	0.0057	0.0056	0.4312	0.3937	1.6315	6.9742	9.4534

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0018	0.0018
15 mph								0.0005	0.0005
20 mph								0.0008	0.0008
25 mph								0.0041	0.0041
30 mph								0.0035	0.0035
35 mph								0.0015	0.0015
40 mph								0.0016	0.0016
45 mph								0.0012	0.0012
50 mph								0.0020	0.0020
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0170	0.0170

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0015	0.0015
25 mph								0.0024	0.0024
30 mph								0.0038	0.0038
35 mph								0.0036	0.0036
40 mph								0.0031	0.0031
45 mph								0.0022	0.0022
50 mph								0.0011	0.0011
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0112	0.0112

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0008	0.0008
25 mph								0.0027	0.0027
35 mph								-	-
total	-	-	-	-	-	-	-	0.0045	0.0045

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0018	0.0018
15 mph								0.0013	0.0013
20 mph								0.0023	0.0023
25 mph								0.0092	0.0092
30 mph								0.0073	0.0073
35 mph								0.0050	0.0050
40 mph								0.0047	0.0047
45 mph								0.0035	0.0035
50 mph								0.0031	0.0031
55 mph								-	-
60 mph								-	-
65 mph				P				-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0392	0.0392

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0795	0.0525	0.0058	0.0069	0.1446
10 mph	0.0458	0.0043	0.0183	0.0093	0.0245	0.0208	0.0128	0.0532	0.1891
15 mph	0.0387	0.0036	0.0155	0.0061	0.0189	0.0170	0.0086	0.0352	0.1437
20 mph	0.0175	0.0017	0.0070	0.0037	0.0127	0.0117	0.0150	0.0541	0.1232
25 mph	0.0612	0.0058	0.0247	0.0122	0.0575	0.0540	0.0603	0.2457	0.5213
30 mph	0.0543	0.0051	0.0219	0.0112	0.0468	0.0444	0.0541	0.2236	0.4615
35 mph	0.0773	0.0073	0.0312	0.0135	0.0444	0.0421	0.0466	0.1950	0.4575
40 mph	0.0167	0.0016	0.0067	0.0046	0.0247	0.0234	0.0567	0.2392	0.3736
45 mph	0.0125	0.0012	0.0050	0.0035	0.0188	0.0178	0.0545	0.2317	0.3450
50 mph	0.0127	0.0012	0.0051	0.0036	0.0196	0.0183	0.0630	0.2663	0.3897
55 mph	0.0090	0.0008	0.0036	0.0024	0.0121	0.0112	0.0261	0.1123	0.1776
60 mph	0.0146	0.0014	0.0059	0.0032	0.0148	0.0135	1.2625	5.3506	6.6665
65 mph	0.0025	0.0002	0.0010	0.0006	0.0030	0.0026	-	-	0.0100
70 mph	0.0373	0.0035	0.0146	0.0146	0.1017	0.0776	-	-	0.2492
STREX	0.0080	0.0007	0.0031	0.0057	0.0005	0.0001	0.0003	0.0000	0.0185
total	0.4082	0.0383	0.1636	0.0940	0.4796	0.4071	1.6662	7.0137	**10.2709**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0012	0.0014	0.0012	0.0013	0.0003	0.0003	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0080	0.0007	0.0031	0.0057	0.0005	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0080	0.0007	0.0031	0.0057	0.0005	0.0001	0.0003	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	3.9535	0.3013	1.4853	0.6688	0.5824	0.1983	0.4142	0.0018
Diesel	0.0447	0.0000	0.0137	0.0211	0.5796	0.4500	2.4215	2.6306
Electric/NG	0.1907	0.0077	0.0476	0.0228	-	-	-	0.1737
Total	4.1888	0.3091	1.5467	0.7127	1.1620	0.6483	2.8356	2.8062

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.6349	0.1246	0.6142	0.5776	0.6244	0.2127	1.4933	0.0064
Diesel	0.0185	0.0000	0.0057	0.0182	0.6214	0.4824	8.7306	9.4847
Electric/NG	0.0788	0.0032	0.0197	0.0197	-	-	-	0.6264
Total	1.7322	0.1278	0.6396	0.6156	1.2458	0.6951	10.2239	10.1176

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.9324	0.0711	0.3503	0.0961	0.0522	0.0178	0.0724	0.0003
Diesel	0.0105	0.0000	0.0032	0.0030	0.0519	0.0403	0.4234	0.4599
Electric/NG	0.0450	0.0018	0.0112	0.0033	-	-	-	0.0304
Total	0.9879	0.0729	0.3648	0.1024	0.1041	0.0581	0.4958	0.4906

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	6.5207	0.4969	2.4498	1.3426	1.2590	0.4288	1.9799	0.0085	14.4863
Diesel	0.0737	0.0001	0.0226	0.0424	1.2529	0.9727	11.5754	12.5753	26.5151
Electric/NG	0.3145	0.0127	0.0785	0.0457	-	-	-	0.8305	1.2820
Total	6.9089	0.5097	2.5510	1.4307	2.5119	1.4015	13.5554	13.4144	**42.2834**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	23.6084
Internal	19.2826
Total	**42.8910**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0612	0.0404	0.0045	0.0053	0.1114
10 mph	0.0293	0.0028	0.0117	0.0059	0.0189	0.0160	0.0098	0.0410	0.1355
15 mph	0.0248	0.0023	0.0099	0.0039	0.0146	0.0131	0.0066	0.0271	0.1023
20 mph	0.0112	0.0011	0.0045	0.0023	0.0098	0.0090	0.0116	0.0416	0.0910
25 mph	0.0392	0.0037	0.0158	0.0078	0.0443	0.0416	0.0464	0.1892	0.3879
30 mph	0.0348	0.0033	0.0140	0.0072	0.0361	0.0342	0.0416	0.1722	0.3433
35 mph	0.0495	0.0047	0.0200	0.0086	0.0342	0.0324	0.0359	0.1502	0.3354
40 mph	0.0107	0.0010	0.0043	0.0030	0.0190	0.0180	0.0436	0.1842	0.2838
45 mph	0.0080	0.0008	0.0032	0.0022	0.0145	0.0137	0.0419	0.1784	0.2628
50 mph	0.0081	0.0008	0.0033	0.0023	0.0151	0.0141	0.0485	0.2050	0.2971
55 mph	0.0057	0.0005	0.0023	0.0015	0.0094	0.0086	0.0201	0.0864	0.1347
60 mph	0.0094	0.0009	0.0037	0.0020	0.0114	0.0104	0.9722	4.1200	5.1299
65 mph	0.0016	0.0002	0.0006	0.0004	0.0023	0.0020	-	-	0.0072
70 mph	0.0239	0.0022	0.0093	0.0093	0.0783	0.0597	-	-	0.1828
total	0.2561	0.0241	0.1027	0.0565	0.3690	0.3134	1.2828	5.4006	7.8051

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2031 (Net) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	2,389	2.40	0.32	0.0005	1.12	0.0019	4.55
2	L	3,357	2.40	0.32	0.0005	1.57	0.0019	6.40
3	L	3,184	2.40	0.32	0.0005	1.49	0.0019	6.07
5	L	5,148	2.40	0.32	0.0005	2.41	0.0019	9.81
6	L	10,320	2.40	0.32	0.0005	4.83	0.0019	19.66
8	L	7,692	2.40	0.32	0.0005	3.60	0.0019	14.66
11	L	(1,550)	2.40	0.32	0.0005	(0.72)	0.0019	(2.95)
12	L	(2,363)	2.40	0.32	0.0005	(1.10)	0.0019	(4.50)
14	L	(1,266)	2.40	0.32	0.0005	(0.59)	0.0019	(2.41)
18	L	1,337	2.40	0.32	0.0005	0.63	0.0019	2.55
19	L	6,371	2.40	0.32	0.0005	2.98	0.0019	12.14
21	L	3,273	2.40	0.32	0.0005	1.53	0.0019	6.24
24	L	7,363	2.40	0.32	0.0005	3.44	0.0019	14.03
30	L	(7,232)	2.40	0.32	0.0005	(3.38)	0.0019	(13.78)
29	L	3,462	2.40	0.32	0.0005	1.62	0.0019	6.60
31	L	(249)	2.40	0.32	0.0005	(0.12)	0.0019	(0.47)
TOTAL						19.28		78.56

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2031 (Net) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	253,065	2.40	0.032	0.0001	14.56	0.0002	59.31
Freeway	F	313,454	2.40	0.015	0.0000	9.05	0.0001	36.87
TOTAL		566,519				23.61		96.18

World Logistics Center
Mobile Emissions - 2031 (Net) - Unmitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0050	0.0072	0.0063	0.0072	0.0091	0.0103	0.0177	0.2040
15 mph	0.0044	0.0063	0.0056	0.0062	0.0080	0.0090	0.0156	0.1801
20 mph	0.0039	0.0056	0.0050	0.0056	0.0073	0.0081	0.0141	0.1623
25 mph	0.0036	0.0051	0.0045	0.0051	0.0067	0.0074	0.0128	0.1483
30 mph	0.0033	0.0047	0.0042	0.0047	0.0063	0.0069	0.0118	0.1380
35 mph	0.0032	0.0045	0.0039	0.0045	0.0060	0.0065	0.0110	0.1304
40 mph	0.0030	0.0043	0.0038	0.0043	0.0057	0.0063	0.0106	0.1248
45 mph	0.0029	0.0041	0.0036	0.0041	0.0056	0.0061	0.0102	0.1213
50 mph	0.0029	0.0041	0.0036	0.0041	0.0056	0.0060	0.0101	0.1201
55 mph	0.0029	0.0042	0.0037	0.0042	0.0057	0.0061	0.0102	0.1214
60 mph	0.0030	0.0044	0.0038	0.0044	0.0059	0.0063	0.0105	0.1253
65 mph	0.0032	0.0047	0.0040	0.0046	0.0062	0.0066	0.0111	0.1314
70 mph	0.0033	0.0052	0.0042	0.0049	0.0068	0.0068	0.0110	0.1385

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0562	0.1184	0.0753	0.0937	0.1388	0.1554	0.2702	0.4205
15 mph	0.0462	0.0985	0.0625	0.0794	0.0904	0.1031	0.2126	0.3138
20 mph	0.0379	0.0809	0.0513	0.0660	0.0771	0.0880	0.1816	0.2646
25 mph	0.0318	0.0675	0.0430	0.0559	0.0684	0.0784	0.1584	0.2228
30 mph	0.0275	0.0581	0.0372	0.0483	0.0622	0.0708	0.1391	0.1955
35 mph	0.0249	0.0521	0.0336	0.0439	0.0623	0.0709	0.1243	0.1774
40 mph	0.0233	0.0485	0.0313	0.0411	0.0606	0.0684	0.1139	0.1622
45 mph	0.0225	0.0468	0.0302	0.0395	0.0592	0.0658	0.1080	0.1536
50 mph	0.0226	0.0468	0.0302	0.0398	0.0621	0.0683	0.1066	0.1495
55 mph	0.0236	0.0490	0.0316	0.0420	0.0648	0.0706	0.1096	0.1549
60 mph	0.0256	0.0531	0.0343	0.0454	0.0654	0.0708	0.1171	0.1643
65 mph	0.0288	0.0592	0.0385	0.0511	0.0664	0.0712	0.1291	0.1780
70 mph	0.0313	0.0616	0.0412	0.0557	0.0676	0.0726	0.1303	0.1807

*US EPA Emission Factors for Greenhouse Gas Inventories. (Idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.8681
15 mph								0.7284
20 mph								0.6359
25 mph								0.5861
30 mph								0.5543
35 mph								0.5291
40 mph								0.5084
45 mph								0.4911
50 mph								0.4762
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0556	0.0061	0.0265	0.0135	0.0077	0.0025	0.0075	0.0007	0.1201
15 mph	0.0195	0.0021	0.0093	0.0047	0.0027	0.0009	0.0022	0.0002	0.0416
20 mph	0.0351	0.0038	0.0167	0.0084	0.0049	0.0016	0.0040	0.0004	0.0748
25 mph	0.1600	0.0173	0.0756	0.0383	0.0224	0.0073	0.0198	0.0019	0.3427
30 mph	0.1636	0.0176	0.0770	0.0391	0.0231	0.0075	0.0166	0.0016	0.3462
35 mph	0.1264	0.0136	0.0593	0.0302	0.0180	0.0058	0.0070	0.0007	0.2611
40 mph	0.0403	0.0043	0.0189	0.0096	0.0058	0.0019	0.0074	0.0007	0.0889
45 mph	0.0325	0.0035	0.0152	0.0078	0.0047	0.0015	0.0057	0.0006	0.0715
50 mph	0.0321	0.0035	0.0151	0.0077	0.0047	0.0015	0.0092	0.0009	0.0747
55 mph	0.0260	0.0029	0.0123	0.0063	0.0038	0.0012	0.0022	0.0002	0.0548
60 mph	0.0540	0.0060	0.0256	0.0131	0.0079	0.0025	0.0022	0.0002	0.1116
65 mph	0.0071	0.0008	0.0034	0.0017	0.0010	0.0003	-	-	0.0143
70 mph	-	-	-	-	-	-	-	-	-
total	0.7521	0.0817	0.3549	0.1806	0.1067	0.0345	0.0838	0.0079	1.6022

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0046	0.0005	0.0022	0.0023	0.0016	0.0005	-	-	0.0118
15 mph	0.0040	0.0004	0.0019	0.0020	0.0014	0.0005	-	-	0.0103
20 mph	0.0036	0.0004	0.0017	0.0018	0.0013	0.0004	0.0071	0.0007	0.0171
25 mph	0.0066	0.0007	0.0031	0.0033	0.0024	0.0008	0.0114	0.0011	0.0294
30 mph	0.0123	0.0013	0.0058	0.0061	0.0045	0.0015	0.0179	0.0017	0.0512
35 mph	0.0261	0.0028	0.0123	0.0130	0.0097	0.0031	0.0168	0.0016	0.0855
40 mph	0.0278	0.0030	0.0130	0.0139	0.0103	0.0033	0.0147	0.0014	0.0874
45 mph	0.0215	0.0023	0.0101	0.0108	0.0081	0.0026	0.0104	0.0010	0.0666
50 mph	0.0239	0.0026	0.0112	0.0120	0.0090	0.0029	0.0051	0.0005	0.0672
55 mph	0.0134	0.0015	0.0063	0.0068	0.0051	0.0016	0.0026	0.0002	0.0376
60 mph	0.0084	0.0009	0.0040	0.0043	0.0032	0.0010	0.1873	0.0179	0.2269
65 mph	0.0029	0.0003	0.0014	0.0015	0.0011	0.0004	-	-	0.0076
70 mph	0.1419	0.0167	0.0666	0.0736	0.0562	0.0166	-	-	0.3715
total	0.2970	0.0335	0.1396	0.1514	0.1140	0.0351	0.2733	0.0261	1.0701

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0014	0.0004	0.0006	0.0000	0.0024
15 mph	0.0434	0.0048	0.0207	0.0068	0.0042	0.0014	0.0036	0.0003	0.0851
25 mph	-	-	-	-	0.0066	0.0021	0.0128	0.0012	0.0227
35 mph	0.1344	0.0145	0.0631	0.0193	-	-	-	-	0.2312
total	0.1778	0.0192	0.0837	0.0261	0.0121	0.0039	0.0170	0.0015	0.3414

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0014	0.0004	0.0006	0.0000	0.0024
10 mph	0.0602	0.0066	0.0287	0.0158	0.0093	0.0031	0.0075	0.0007	0.1319
15 mph	0.0669	0.0073	0.0319	0.0136	0.0083	0.0027	0.0058	0.0005	0.1370
20 mph	0.0387	0.0042	0.0184	0.0103	0.0062	0.0020	0.0111	0.0010	0.0919
25 mph	0.1666	0.0180	0.0788	0.0417	0.0314	0.0102	0.0440	0.0041	0.3948
30 mph	0.1759	0.0190	0.0828	0.0453	0.0276	0.0090	0.0345	0.0033	0.3973
35 mph	0.2870	0.0309	0.1346	0.0625	0.0277	0.0089	0.0238	0.0023	0.5777
40 mph	0.0680	0.0073	0.0319	0.0235	0.0161	0.0052	0.0222	0.0021	0.1763
45 mph	0.0540	0.0058	0.0253	0.0185	0.0128	0.0041	0.0161	0.0015	0.1381
50 mph	0.0560	0.0061	0.0263	0.0197	0.0137	0.0043	0.0143	0.0014	0.1419
55 mph	0.0394	0.0043	0.0186	0.0131	0.0089	0.0028	0.0047	0.0005	0.0923
60 mph	0.0624	0.0069	0.0296	0.0174	0.0110	0.0035	0.1895	0.0182	0.3385
65 mph	0.0100	0.0011	0.0048	0.0032	0.0021	0.0007	-	-	0.0219
70 mph	0.1419	0.0167	0.0666	0.0736	0.0562	0.0166	-	-	0.3715
total	1.2270	0.1344	0.5783	0.3581	0.2328	0.0735	0.3741	0.0356	3.0138

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0071	0.0000	0.0029	0.0056	0.1125	0.0848	0.6670	1.9015	2.7814
15 mph	0.0023	0.0000	0.0010	0.0019	0.0293	0.0225	0.1749	0.4731	0.7050
20 mph	0.0038	0.0000	0.0016	0.0031	0.0500	0.0384	0.2988	0.7979	1.1936
25 mph	0.0160	0.0000	0.0067	0.0133	0.2217	0.1713	1.4340	3.6949	5.5579
30 mph	0.0152	0.0000	0.0063	0.0126	0.2217	0.1701	1.1448	2.9466	4.5174
35 mph	0.0113	0.0000	0.0047	0.0094	0.1817	0.1394	0.4602	1.2037	2.0105
40 mph	0.0035	0.0000	0.0015	0.0029	0.0590	0.0448	0.4687	1.2225	1.8028
45 mph	0.0028	0.0000	0.0012	0.0024	0.0480	0.0359	0.3554	0.9260	1.3716
50 mph	0.0028	0.0000	0.0012	0.0024	0.0503	0.0373	0.5698	1.4653	2.1291
55 mph	0.0024	0.0000	0.0010	0.0020	0.0420	0.0308	0.1353	0.3502	0.5637
60 mph	0.0052	0.0000	0.0021	0.0043	0.0848	0.0618	0.1445	0.3714	0.6742
65 mph	0.0007	0.0000	0.0003	0.0006	0.0108	0.0078	-	-	0.0202
70 mph	-	-	-	-	-	-	-	-	-
total	0.0732	0.0002	0.0303	0.0605	1.1118	0.8450	5.8534	15.3530	23.3273

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0002	0.0010	0.0241	0.0182	-	-	0.0441
15 mph	0.0005	0.0000	0.0002	0.0008	0.0157	0.0121	-	-	0.0293
20 mph	0.0004	0.0000	0.0002	0.0007	0.0134	0.0103	0.5386	1.4384	2.0019
25 mph	0.0007	0.0000	0.0003	0.0011	0.0238	0.0184	0.8226	2.1194	2.9862
30 mph	0.0011	0.0000	0.0005	0.0020	0.0432	0.0332	1.2383	3.1872	4.5054
35 mph	0.0023	0.0000	0.0010	0.0041	0.0974	0.0747	1.1062	2.8934	4.1791
40 mph	0.0024	0.0000	0.0010	0.0042	0.1054	0.0801	0.9294	2.4242	3.5467
45 mph	0.0019	0.0000	0.0008	0.0033	0.0823	0.0616	0.6407	1.6693	2.4597
50 mph	0.0021	0.0000	0.0009	0.0037	0.0971	0.0719	0.3161	0.8128	1.3046
55 mph	0.0012	0.0000	0.0005	0.0022	0.0563	0.0413	0.1626	0.4209	0.6850
60 mph	0.0008	0.0000	0.0003	0.0014	0.0341	0.0249	12.1583	31.2462	43.4660
65 mph	0.0003	0.0000	0.0001	0.0005	0.0115	0.0083	-	-	0.0208
70 mph	0.0150	0.0000	0.0061	0.0263	0.5406	0.3906	-	-	0.9786
total	0.0293	0.0001	0.0120	0.0512	1.1449	0.8456	17.9127	46.2117	66.2075

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0005	0.0003	0.0013	0.0024	0.0045
15 mph	0.0052	0.0000	0.0021	0.0027	0.0453	0.0348	0.2844	0.7692	1.1437
25 mph	-	-	-	-	0.0651	0.0503	0.9276	2.3901	3.4330
35 mph	0.0120	0.0000	0.0050	0.0060	-	-	-	-	0.0230
total	0.0172	0.0000	0.0071	0.0087	0.1108	0.0854	1.2133	3.1618	4.6043

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0005	0.0003	0.0013	0.0024	0.0045
10 mph	0.0077	0.0000	0.0032	0.0065	0.1367	0.1030	0.6670	1.9015	2.8255
15 mph	0.0080	0.0000	0.0033	0.0054	0.0903	0.0694	0.4593	1.2423	1.8780
20 mph	0.0042	0.0000	0.0018	0.0038	0.0634	0.0488	0.8373	2.2363	3.1956
25 mph	0.0167	0.0000	0.0069	0.0144	0.3105	0.2399	3.1842	8.2044	11.9771
30 mph	0.0164	0.0000	0.0068	0.0146	0.2649	0.2032	2.3831	6.1337	9.0228
35 mph	0.0256	0.0001	0.0106	0.0195	0.2791	0.2141	1.5665	4.0971	6.2126
40 mph	0.0059	0.0000	0.0025	0.0072	0.1643	0.1249	1.3980	3.6466	5.3495
45 mph	0.0047	0.0000	0.0019	0.0056	0.1302	0.0975	0.9960	2.5953	3.8313
50 mph	0.0050	0.0000	0.0020	0.0060	0.1474	0.1092	0.8859	2.2780	3.4336
55 mph	0.0036	0.0000	0.0015	0.0042	0.0983	0.0721	0.2979	0.7711	1.2487
60 mph	0.0060	0.0000	0.0024	0.0057	0.1189	0.0867	12.3028	31.6176	44.1402
65 mph	0.0010	0.0000	0.0004	0.0011	0.0223	0.0161	-	-	0.0410
70 mph	0.0150	0.0000	0.0061	0.0263	0.5406	0.3906	-	-	0.9786
total	0.1196	0.0003	0.0494	0.1205	2.3675	1.7759	24.9795	64.7264	94.1391

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.2552	0.2552
15 mph								0.0714	0.0714
20 mph								0.1246	0.1246
25 mph								0.6318	0.6318
30 mph								0.5431	0.5431
35 mph								0.2333	0.2333
40 mph								0.2491	0.2491
45 mph								0.1925	0.1925
50 mph								0.3033	0.3033
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.6043	2.6043

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.2247	0.2247
25 mph								0.3624	0.3624
30 mph								0.5875	0.5875
35 mph								0.5608	0.5608
40 mph								0.4940	0.4940
45 mph								0.3470	0.3470
50 mph								0.1683	0.1683
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.7353	1.7353

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0004	0.0004
15 mph								0.1161	0.1161
25 mph								0.4087	0.4087
35 mph								-	-
total	-	-	-	-	-	-	-	0.5252	0.5252

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0004	0.0004
10 mph								0.2552	0.2552
15 mph								0.1874	0.1874
20 mph								0.3493	0.3493
25 mph								1.4028	1.4028
30 mph								1.1306	1.1306
35 mph								0.7941	0.7941
40 mph								0.7431	0.7431
45 mph								0.5395	0.5395
50 mph								0.4716	0.4716
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.8741	5.8741

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0019	0.0007	0.0019	0.0029	0.0074
10 mph	0.0678	0.0067	0.0319	0.0223	0.1460	0.1061	0.6745	2.1574	3.2126
15 mph	0.0749	0.0074	0.0352	0.0190	0.0986	0.0721	0.4651	1.4303	2.2025
20 mph	0.0429	0.0042	0.0201	0.0141	0.0696	0.0508	0.8485	2.5866	3.6368
25 mph	0.1833	0.0181	0.0857	0.0561	0.3419	0.2501	3.2282	9.6114	13.7747
30 mph	0.1923	0.0190	0.0896	0.0599	0.2925	0.2122	2.4176	7.2676	10.5507
35 mph	0.3126	0.0310	0.1452	0.0820	0.3068	0.2231	1.5903	4.8935	7.5844
40 mph	0.0740	0.0073	0.0343	0.0306	0.1805	0.1301	1.4202	4.3919	6.2689
45 mph	0.0587	0.0058	0.0273	0.0241	0.1430	0.1016	1.0121	3.1363	4.5089
50 mph	0.0610	0.0061	0.0284	0.0258	0.1611	0.1135	0.9003	2.7510	4.0471
55 mph	0.0430	0.0043	0.0201	0.0172	0.1072	0.0750	0.3026	0.7716	1.3411
60 mph	0.0683	0.0069	0.0321	0.0231	0.1300	0.0902	12.4923	31.6357	44.4787
65 mph	0.0110	0.0011	0.0052	0.0044	0.0245	0.0168	-	-	0.0629
70 mph	0.1568	0.0167	0.0726	0.0999	0.5968	0.4072	-	-	1.3501
STREX	0.1382	0.0115	0.0592	0.1130	0.0510	0.0151	0.0215	0.0000	0.4096
total	1.4848	0.1462	0.6869	0.5916	2.6513	1.8645	25.3750	70.6361	**103.4365**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0203	0.0222	0.0231	0.0246	0.0340	0.0341	0.0296	0.0038
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1382	0.0115	0.0592	0.1130	0.0510	0.0151	0.0215	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1382	0.0115	0.0592	0.1130	0.0510	0.0151	0.0215	0.0000

World Logistics Center
Mobile Emissions - 2031 (Net) - Unmitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.9271	1.9470	3.3655	2.4269
10 mph	0.0051	0.0101	0.0084	0.0098	0.0103	0.0086	0.0189	0.3066
15 mph	0.0034	0.0068	0.0056	0.0066	0.0069	0.0057	0.0126	0.2035
20 mph	0.0024	0.0049	0.0040	0.0047	0.0050	0.0041	0.0089	0.1432
25 mph	0.0017	0.0036	0.0029	0.0035	0.0037	0.0030	0.0065	0.1060
30 mph	0.0014	0.0029	0.0023	0.0027	0.0030	0.0023	0.0051	0.0828
35 mph	0.0011	0.0024	0.0019	0.0022	0.0025	0.0019	0.0041	0.0684
40 mph	0.0010	0.0021	0.0016	0.0019	0.0022	0.0017	0.0036	0.0596
45 mph	0.0009	0.0019	0.0015	0.0018	0.0020	0.0016	0.0033	0.0547
50 mph	0.0009	0.0018	0.0014	0.0017	0.0020	0.0015	0.0032	0.0529
55 mph	0.0009	0.0018	0.0015	0.0017	0.0020	0.0015	0.0032	0.0539
60 mph	0.0009	0.0019	0.0015	0.0018	0.0022	0.0016	0.0035	0.0577
65 mph	0.0010	0.0021	0.0017	0.0020	0.0025	0.0019		
70 mph	0.0011	0.0025	0.0018	0.0022	0.0026	0.0019		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0239	0.1098
10 mph	0.0039	0.0146	0.0091	0.0042	0.0256	0.0258	0.0016	0.0038
15 mph	0.0020	0.0090	0.0044	0.0021	0.0129	0.0129	0.0009	0.0021
20 mph	0.0008	0.0057	0.0017	0.0008	0.0055	0.0055	0.0006	0.0013
25 mph	0.0005	0.0043	0.0010	0.0005	0.0035	0.0035	0.0005	0.0011
30 mph	0.0004	0.0035	0.0008	0.0004	0.0027	0.0027	0.0004	0.0009
35 mph	0.0003	0.0030	0.0006	0.0003	0.0022	0.0022	0.0003	0.0007
40 mph	0.0003	0.0027	0.0005	0.0003	0.0019	0.0019	0.0003	0.0006
45 mph	0.0002	0.0025	0.0004	0.0002	0.0017	0.0017	0.0002	0.0006
50 mph	0.0002	0.0025	0.0004	0.0002	0.0015	0.0015	0.0002	0.0006
55 mph	0.0002	0.0026	0.0003	0.0002	0.0014	0.0014	0.0003	0.0006
60 mph	0.0002	0.0028	0.0003	0.0002	0.0014	0.0014	0.0003	0.0007
65 mph	0.0002	0.0032	0.0003	0.0002	0.0016	0.0015		
70 mph	0.0002	0.0036	0.0003	0.0002	0.0023	0.0022		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.9006
10 mph								11.0968
15 mph								7.6454
20 mph								5.4185
25 mph								3.9759
30 mph								2.9471
35 mph								2.1868
40 mph								1.6256
45 mph								1.2121
50 mph								0.9088
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0563	0.0086	0.0351	0.0185	0.0087	0.0021	0.0080	0.0010	0.1383
15 mph	0.0150	0.0023	0.0094	0.0050	0.0023	0.0006	0.0018	0.0002	0.0366
20 mph	0.0211	0.0033	0.0133	0.0070	0.0034	0.0008	0.0025	0.0003	0.0517
25 mph	0.0778	0.0123	0.0492	0.0261	0.0125	0.0030	0.0101	0.0013	0.1924
30 mph	0.0665	0.0107	0.0422	0.0224	0.0109	0.0025	0.0071	0.0009	0.1632
35 mph	0.0446	0.0072	0.0282	0.0151	0.0074	0.0017	0.0026	0.0003	0.1072
40 mph	0.0129	0.0021	0.0082	0.0044	0.0022	0.0005	0.0025	0.0003	0.0331
45 mph	0.0099	0.0016	0.0063	0.0033	0.0017	0.0004	0.0018	0.0002	0.0252
50 mph	0.0095	0.0015	0.0060	0.0032	0.0017	0.0004	0.0029	0.0004	0.0256
55 mph	0.0077	0.0012	0.0049	0.0026	0.0014	0.0003	0.0007	0.0001	0.0189
60 mph	0.0163	0.0026	0.0102	0.0055	0.0029	0.0006	0.0007	0.0001	0.0390
65 mph	0.0023	0.0004	0.0014	0.0008	0.0004	0.0001	-	-	0.0053
70 mph	-	-	-	-	-	-	-	-	-
total	0.3399	0.0538	0.2143	0.1138	0.0554	0.0130	0.0408	0.0054	0.8364

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0047	0.0007	0.0029	0.0032	0.0019	0.0005	-	-	0.0138
15 mph	0.0031	0.0005	0.0019	0.0021	0.0012	0.0003	-	-	0.0092
20 mph	0.0022	0.0003	0.0014	0.0015	0.0009	0.0002	0.0045	0.0006	0.0116
25 mph	0.0032	0.0005	0.0020	0.0023	0.0013	0.0003	0.0058	0.0008	0.0162
30 mph	0.0050	0.0008	0.0032	0.0035	0.0021	0.0005	0.0077	0.0010	0.0238
35 mph	0.0092	0.0015	0.0058	0.0065	0.0040	0.0009	0.0063	0.0008	0.0351
40 mph	0.0089	0.0014	0.0056	0.0063	0.0039	0.0009	0.0050	0.0007	0.0327
45 mph	0.0065	0.0011	0.0041	0.0046	0.0029	0.0007	0.0033	0.0004	0.0237
50 mph	0.0071	0.0011	0.0045	0.0050	0.0032	0.0007	0.0016	0.0002	0.0234
55 mph	0.0040	0.0006	0.0025	0.0028	0.0018	0.0004	0.0008	0.0001	0.0131
60 mph	0.0025	0.0004	0.0016	0.0018	0.0012	0.0003	0.0616	0.0083	0.0776
65 mph	0.0009	0.0001	0.0006	0.0007	0.0004	0.0001	-	-	0.0029
70 mph	0.0471	0.0080	0.0286	0.0333	0.0219	0.0045	-	-	0.1433
total	0.1044	0.0171	0.0647	0.0736	0.0468	0.0103	0.0967	0.0129	0.4266

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1987	0.0591	0.1580	0.0013	0.4171
15 mph	0.0334	0.0052	0.0209	0.0072	0.0036	0.0009	0.0029	0.0004	0.0744
25 mph	-	-	-	-	0.0037	0.0009	0.0066	0.0009	0.0120
35 mph	0.0474	0.0077	0.0300	0.0096	-	-	-	-	0.0947
total	0.0808	0.0128	0.0510	0.0168	0.2060	0.0608	0.1674	0.0025	0.5981

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1987	0.0591	0.1580	0.0013	0.4171
10 mph	0.0610	0.0093	0.0380	0.0217	0.0105	0.0026	0.0080	0.0010	0.1521
15 mph	0.0515	0.0079	0.0323	0.0143	0.0072	0.0017	0.0047	0.0006	0.1202
20 mph	0.0233	0.0036	0.0147	0.0085	0.0042	0.0010	0.0070	0.0009	0.0634
25 mph	0.0810	0.0129	0.0513	0.0283	0.0176	0.0042	0.0225	0.0029	0.2206
30 mph	0.0715	0.0115	0.0453	0.0259	0.0130	0.0030	0.0148	0.0020	0.1870
35 mph	0.1012	0.0164	0.0641	0.0311	0.0114	0.0026	0.0089	0.0012	0.2369
40 mph	0.0218	0.0035	0.0138	0.0106	0.0061	0.0014	0.0075	0.0010	0.0658
45 mph	0.0164	0.0027	0.0104	0.0080	0.0046	0.0010	0.0052	0.0007	0.0489
50 mph	0.0166	0.0027	0.0105	0.0082	0.0048	0.0011	0.0045	0.0006	0.0490
55 mph	0.0117	0.0019	0.0074	0.0054	0.0032	0.0007	0.0015	0.0002	0.0320
60 mph	0.0188	0.0030	0.0118	0.0073	0.0041	0.0009	0.0624	0.0084	0.1166
65 mph	0.0032	0.0005	0.0020	0.0014	0.0009	0.0002	-	-	0.0082
70 mph	0.0471	0.0080	0.0286	0.0333	0.0219	0.0045	-	-	0.1433
total	0.5251	0.0838	0.3300	0.2042	0.3081	0.0841	0.3050	0.0208	1.8611

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0005	0.0000	0.0004	0.0003	0.0208	0.0141	0.0040	0.0171	0.0570
15 mph	0.0001	0.0000	0.0001	0.0000	0.0042	0.0028	0.0007	0.0032	0.0112
20 mph	0.0001	0.0000	0.0001	0.0000	0.0036	0.0024	0.0010	0.0040	0.0112
25 mph	0.0003	0.0000	0.0002	0.0001	0.0113	0.0076	0.0042	0.0183	0.0420
30 mph	0.0002	0.0000	0.0001	0.0001	0.0096	0.0065	0.0031	0.0135	0.0332
35 mph	0.0001	0.0000	0.0001	0.0001	0.0065	0.0043	0.0012	0.0050	0.0173
40 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0012	0.0011	0.0048	0.0090
45 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0009	0.0008	0.0035	0.0066
50 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0008	0.0013	0.0057	0.0091
55 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0006	0.0003	0.0015	0.0034
60 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0012	0.0004	0.0017	0.0052
65 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0014	0.0000	0.0009	0.0007	0.0634	0.0427	0.0181	0.0782	0.2055

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0045	0.0030	-	-	0.0076
15 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0015	-	-	0.0038
20 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0006	0.0018	0.0073	0.0107
25 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0008	0.0024	0.0105	0.0150
30 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0013	0.0034	0.0146	0.0211
35 mph	0.0000	0.0000	0.0000	0.0000	0.0035	0.0023	0.0028	0.0119	0.0206
40 mph	0.0000	0.0000	0.0000	0.0000	0.0033	0.0022	0.0022	0.0094	0.0172
45 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0016	0.0015	0.0063	0.0117
50 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0016	0.0007	0.0032	0.0079
55 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0008	0.0004	0.0017	0.0042
60 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0327	0.1419	0.1758
65 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	-	-	0.0005
70 mph	0.0001	0.0000	0.0000	0.0001	0.0188	0.0116	-	-	0.0306
total	0.0003	0.0000	0.0002	0.0003	0.0433	0.0280	0.0478	0.2068	0.3267

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0147	0.0099	0.0066	0.0552	0.0864
15 mph	0.0002	0.0000	0.0002	0.0001	0.0065	0.0044	0.0012	0.0052	0.0177
25 mph	-	-	-	-	0.0033	0.0022	0.0027	0.0119	0.0201
35 mph	0.0001	0.0000	0.0001	0.0000	-	-	-	-	0.0003
total	0.0004	0.0000	0.0002	0.0001	0.0245	0.0165	0.0105	0.0723	0.1245

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0147	0.0099	0.0066	0.0552	0.0864
10 mph	0.0005	0.0000	0.0004	0.0003	0.0252	0.0171	0.0040	0.0171	0.0646
15 mph	0.0003	0.0000	0.0002	0.0001	0.0129	0.0087	0.0019	0.0085	0.0327
20 mph	0.0001	0.0000	0.0001	0.0000	0.0045	0.0030	0.0028	0.0113	0.0218
25 mph	0.0003	0.0000	0.0002	0.0001	0.0158	0.0106	0.0094	0.0407	0.0771
30 mph	0.0002	0.0000	0.0001	0.0001	0.0115	0.0077	0.0065	0.0281	0.0543
35 mph	0.0003	0.0000	0.0002	0.0001	0.0100	0.0067	0.0039	0.0169	0.0381
40 mph	0.0001	0.0000	0.0000	0.0000	0.0052	0.0034	0.0033	0.0142	0.0262
45 mph	0.0000	0.0000	0.0000	0.0000	0.0037	0.0025	0.0023	0.0098	0.0183
50 mph	0.0000	0.0000	0.0000	0.0000	0.0037	0.0024	0.0020	0.0088	0.0171
55 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0014	0.0007	0.0032	0.0076
60 mph	0.0000	0.0000	0.0000	0.0000	0.0026	0.0017	0.0330	0.1435	0.1810
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	-	-	0.0009
70 mph	0.0001	0.0000	0.0000	0.0001	0.0188	0.0116	-	-	0.0306
total	0.0021	0.0000	0.0014	0.0011	0.1311	0.0872	0.0764	0.3573	0.6567

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								3.2622	3.2622
15 mph								0.7492	0.7492
20 mph								1.0619	1.0619
25 mph								4.2858	4.2858
30 mph								2.8879	2.8879
35 mph								0.9643	0.9643
40 mph								0.7965	0.7965
45 mph								0.4751	0.4751
50 mph								0.5788	0.5788
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	15.0618	15.0618

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1.9144	1.9144
25 mph								2.4583	2.4583
30 mph								3.1237	3.1237
35 mph								2.3179	2.3179
40 mph								1.5794	1.5794
45 mph								0.8565	0.8565
50 mph								0.3211	0.3211
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	9.8143	9.8143

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0621	0.0621
15 mph								1.2182	1.2182
25 mph								2.7723	2.7723
35 mph								-	-
total	-	-	-	-	-	-	-	4.0527	4.0527

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0621	0.0621
10 mph								3.2622	3.2622
15 mph								1.9674	1.9674
20 mph								2.9764	2.9764
25 mph								9.5164	9.5164
30 mph								6.0116	6.0116
35 mph								3.2822	3.2822
40 mph								2.3759	2.3759
45 mph								1.3317	1.3317
50 mph								0.8999	0.8999
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	31.6859	31.6859

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2134	0.0690	0.1646	0.1186	0.5656
10 mph	0.0615	0.0093	0.0384	0.0220	0.0358	0.0196	0.0120	3.2804	3.4789
15 mph	0.0518	0.0079	0.0325	0.0145	0.0200	0.0104	0.0066	1.9765	2.1203
20 mph	0.0234	0.0036	0.0147	0.0086	0.0088	0.0041	0.0098	2.9886	3.0615
25 mph	0.0813	0.0129	0.0514	0.0284	0.0333	0.0148	0.0319	9.5601	9.8141
30 mph	0.0717	0.0115	0.0455	0.0260	0.0245	0.0108	0.0213	6.0416	6.2529
35 mph	0.1015	0.0164	0.0643	0.0313	0.0214	0.0093	0.0128	3.3003	3.5572
40 mph	0.0219	0.0035	0.0139	0.0107	0.0113	0.0048	0.0108	2.3911	2.4679
45 mph	0.0165	0.0027	0.0104	0.0080	0.0083	0.0035	0.0074	1.3422	1.3989
50 mph	0.0167	0.0027	0.0105	0.0083	0.0085	0.0035	0.0065	0.9094	0.9660
55 mph	0.0118	0.0019	0.0074	0.0054	0.0054	0.0022	0.0022	0.0034	0.0396
60 mph	0.0189	0.0030	0.0118	0.0073	0.0067	0.0026	0.0954	0.1519	0.2976
65 mph	0.0032	0.0005	0.0020	0.0014	0.0014	0.0005	-	-	0.0091
70 mph	0.0472	0.0080	0.0286	0.0334	0.0407	0.0161	-	-	0.1740
STREX	0.2044	0.0199	0.1046	0.2123	0.0231	0.0068	0.0239	0.0000	0.5949
total	0.7316	0.1037	0.4360	0.4176	0.4624	0.1781	0.4053	32.0640	**34.7986**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0300	0.0383	0.0409	0.0463	0.0154	0.0154	0.0329	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2044	0.0199	0.1046	0.2123	0.0231	0.0068	0.0239	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.2044	0.0199	0.1046	0.2123	0.0231	0.0068	0.0239	0.0000

World Logistics Center
Mobile Emissions - 2031 (Net) - Unmitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,165.76	4,868.63	12,330.98	20,317.70
10 mph	422.74	495.69	504.07	620.22	1,366.93	1,574.78	2,810.45	3,306.49
15 mph	345.55	405.17	411.92	506.54	1,116.85	1,285.75	2,300.17	2,713.06
20 mph	287.39	336.97	342.59	421.31	928.64	1,069.37	1,910.69	2,260.50
25 mph	245.70	288.15	292.98	360.54	793.74	913.85	1,634.63	1,935.47
30 mph	218.07	255.76	260.11	320.37	704.60	811.30	1,452.16	1,717.87
35 mph	202.24	237.21	241.29	297.57	653.51	752.65	1,347.38	1,590.89
40 mph	195.94	229.82	233.76	288.33	632.66	728.69	1,303.73	1,537.98
45 mph	197.01	230.96	234.87	289.62	634.98	731.34	1,309.37	1,539.27
50 mph	202.90	237.83	241.80	298.39	653.66	752.58	1,346.94	1,580.78
55 mph	210.78	247.03	251.24	310.18	680.39	783.30	1,400.11	1,642.12
60 mph	217.03	254.70	259.24	320.47	707.93	814.99	1,456.22	1,705.48
65 mph	222.35	261.37	266.13	329.55	729.40	839.36		
70 mph	225.33	265.00	268.90	336.79	739.31	847.98		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,377.46	5,456.19	5,648.37	5,057.96
10 mph	357.26	753.37	479.20	596.35	883.34	988.55	1,719.13	2,674.89
15 mph	293.88	626.59	397.44	505.40	575.04	655.98	1,352.34	1,996.40
20 mph	241.07	514.47	326.50	419.77	490.70	560.15	1,155.01	1,683.61
25 mph	202.12	429.72	273.76	355.39	435.11	499.07	1,008.00	1,417.55
30 mph	175.11	369.61	236.71	307.38	395.52	450.55	885.17	1,243.50
35 mph	158.35	331.17	213.59	279.42	396.25	451.37	790.79	1,128.88
40 mph	148.20	308.58	199.33	261.47	385.79	435.33	724.75	1,031.80
45 mph	143.16	297.77	192.19	251.60	376.48	418.67	686.95	976.94
50 mph	143.60	297.68	192.44	253.07	394.96	434.46	677.86	951.33
55 mph	150.24	311.45	201.18	267.02	412.25	449.13	697.42	985.33
60 mph	162.89	337.65	217.95	289.13	416.22	450.57	744.97	1,044.94
65 mph	183.21	376.31	244.74	325.27	422.52	452.81		
70 mph	199.19	392.17	262.13	354.20	430.23	461.61		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,239.65
10 mph								4,258.24
15 mph								3,573.07
20 mph								3,119.32
25 mph								2,875.03
30 mph								2,718.90
35 mph								2,595.33
40 mph								2,494.02
45 mph								2,408.87
50 mph								2,335.98
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	4,707.87	420.69	2,109.00	1,168.52	1,145.09	388.29	1,186.59	11.26	11,137.31
15 mph	1,539.30	137.55	689.39	381.73	374.24	126.81	323.72	3.08	3,575.82
20 mph	2,560.46	228.79	1,146.70	635.01	622.35	210.94	537.81	5.13	5,947.19
25 mph	10,945.11	978.21	4,903.36	2,717.05	2,659.69	901.31	2,530.56	24.17	25,659.44
30 mph	10,685.49	955.09	4,788.48	2,655.82	2,597.09	880.19	2,043.70	19.50	24,625.35
35 mph	8,108.17	724.74	3,634.32	2,018.26	1,970.81	668.09	853.31	8.13	17,985.84
40 mph	2,618.49	234.06	1,173.64	651.87	635.99	215.61	917.41	8.73	6,455.80
45 mph	2,193.98	196.02	982.70	545.65	531.93	180.33	737.10	6.99	5,374.69
50 mph	2,259.60	201.85	1,011.71	562.18	547.58	185.56	1,232.16	11.66	6,012.30
55 mph	1,877.92	167.72	840.95	467.50	455.98	154.51	295.57	2.80	4,262.95
60 mph	3,867.13	345.86	1,735.47	966.05	948.86	321.52	307.41	2.90	8,495.22
65 mph	495.24	44.36	222.70	124.18	122.21	41.39	-	-	1,050.08
70 mph	-	-	-	-	-	-	-	-	-
total	51,858.77	4,634.94	23,238.42	12,893.82	12,611.81	4,274.55	10,965.34	104.35	120,582.00

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	389.37	34.79	174.43	201.84	245.55	83.26	-	-	1,129.23
15 mph	318.27	28.44	142.54	164.84	200.62	67.98	-	-	922.70
20 mph	264.71	23.65	118.55	137.11	166.82	56.54	969.53	9.25	1,746.15
25 mph	452.61	40.45	202.77	234.66	285.16	96.64	1,451.54	13.86	2,777.69
30 mph	803.41	71.81	360.03	417.04	506.28	171.58	2,210.57	21.09	4,561.81
35 mph	1,676.48	149.85	751.45	871.54	1,056.53	358.16	2,051.08	19.53	6,934.61
40 mph	1,804.70	161.32	808.89	938.31	1,136.48	385.28	1,819.25	17.31	7,071.53
45 mph	1,451.64	129.69	650.20	754.00	912.51	309.34	1,328.81	12.60	5,548.79
50 mph	1,681.93	150.24	753.06	873.95	1,056.78	358.12	683.47	6.47	5,564.03
55 mph	970.72	86.70	434.69	504.70	611.11	207.08	355.22	3.36	3,173.58
60 mph	599.69	53.63	269.12	312.87	381.50	129.27	25,862.28	244.31	27,852.69
65 mph	204.80	18.35	92.09	107.25	131.03	44.38	-	-	597.89
70 mph	9,546.95	855.64	4,280.29	5,041.56	6,109.05	2,062.41	-	-	27,895.91
total	20,165.26	1,804.57	9,038.12	10,559.65	12,799.42	4,330.04	36,731.75	347.80	95,776.60

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	429.53	147.76	578.88	10.63	1,166.80
15 mph	3,423.10	305.88	1,533.07	553.64	578.19	195.92	526.38	5.01	7,121.17
25 mph	-	-	-	-	780.41	264.46	1,636.94	15.63	2,697.44
35 mph	8,620.05	770.50	3,863.76	1,285.92	-	-	-	-	14,540.24
total	12,043.15	1,076.38	5,396.83	1,839.56	1,788.13	608.14	2,742.20	31.27	25,525.65

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	429.53	147.76	578.88	10.63	1,166.80
10 mph	5,097.24	455.48	2,283.43	1,370.36	1,390.64	471.55	1,186.59	11.26	12,266.55
15 mph	5,280.67	471.87	2,365.00	1,100.21	1,153.05	390.71	850.10	8.09	11,619.69
20 mph	2,825.17	252.44	1,265.25	772.12	789.16	267.48	1,507.33	14.38	7,693.34
25 mph	11,397.72	1,018.66	5,106.12	2,951.71	3,725.26	1,262.41	5,619.03	53.67	31,134.57
30 mph	11,488.90	1,026.90	5,148.51	3,072.85	3,103.36	1,051.77	4,254.27	40.59	29,187.17
35 mph	18,404.69	1,645.09	8,249.53	4,175.72	3,027.34	1,026.25	2,904.39	27.66	39,460.69
40 mph	4,423.19	395.37	1,982.54	1,590.18	1,772.46	600.88	2,736.66	26.04	13,527.33
45 mph	3,645.62	325.71	1,632.90	1,299.65	1,444.43	489.67	2,065.91	19.59	10,923.48
50 mph	3,941.53	352.09	1,764.77	1,436.12	1,604.36	543.68	1,915.63	18.13	11,576.33
55 mph	2,848.64	254.42	1,275.64	972.20	1,067.09	361.59	650.79	6.16	7,436.53
60 mph	4,466.82	399.50	2,004.59	1,278.93	1,330.37	450.79	26,169.69	247.22	36,347.91
65 mph	700.04	62.71	314.79	231.42	253.23	85.77	-	-	1,647.97
70 mph	9,546.95	855.64	4,280.29	5,041.56	6,109.05	2,062.41	-	-	27,895.91
total	84,067.18	7,515.88	37,673.37	25,293.04	27,199.35	9,212.73	50,439.29	483.42	241,884.26

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	44.95	0.10	18.52	35.48	715.85	539.56	4,243.43	12,097.14	17,695.03
15 mph	14.79	0.03	6.14	12.03	186.40	143.22	1,112.69	3,009.57	4,484.87
20 mph	24.27	0.06	10.10	19.98	318.13	244.58	1,900.66	5,076.07	7,593.84
25 mph	101.72	0.24	42.33	84.58	1,410.43	1,089.58	9,123.09	23,506.55	35,358.52
30 mph	96.94	0.22	40.26	80.47	1,410.32	1,082.01	7,283.10	18,745.71	28,739.03
35 mph	71.73	0.16	29.72	59.85	1,156.01	886.90	2,927.94	7,658.00	12,790.31
40 mph	22.38	0.05	9.25	18.67	375.17	285.12	2,981.57	7,777.18	11,469.37
45 mph	18.01	0.04	7.43	14.97	305.10	228.51	2,260.85	5,890.96	8,725.87
50 mph	18.07	0.04	7.44	15.06	320.08	237.13	3,625.29	9,321.84	13,544.93
55 mph	15.12	0.03	6.22	12.71	267.27	196.11	860.75	2,228.07	3,586.28
60 mph	32.79	0.07	13.48	27.52	539.68	393.47	919.43	2,362.87	4,289.32
65 mph	4.61	0.01	1.89	3.87	68.48	49.43	-	-	128.29
70 mph	-	-	-	-	-	-	-	-	-
total	465.38	1.07	192.77	385.18	7,072.91	5,375.62	37,238.79	97,673.96	148,405.67

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	3.72	0.01	1.53	6.13	153.50	115.70	-	-	280.59
15 mph	3.06	0.01	1.27	5.19	99.93	76.78	-	-	186.23
20 mph	2.51	0.01	1.04	4.31	85.27	65.56	3,426.42	9,150.90	12,736.02
25 mph	4.21	0.01	1.75	7.30	151.22	116.82	5,233.04	13,483.43	18,997.79
30 mph	7.29	0.02	3.03	12.64	274.93	210.93	7,877.78	20,276.34	28,662.94
35 mph	14.83	0.03	6.15	25.84	619.72	475.45	7,037.80	18,407.32	26,587.15
40 mph	15.42	0.04	6.37	26.87	670.40	509.50	5,912.54	15,422.36	22,563.51
45 mph	11.92	0.03	4.92	20.69	523.38	392.01	4,075.76	10,619.95	15,648.65
50 mph	13.45	0.03	5.54	23.41	617.72	457.64	2,010.92	5,170.76	8,299.47
55 mph	7.82	0.02	3.22	13.72	358.19	262.83	1,034.48	2,677.78	4,358.05
60 mph	5.09	0.01	2.09	8.91	216.99	158.20	77,349.84	198,784.56	276,525.69
65 mph	1.91	0.00	0.78	3.34	73.42	53.00	-	-	132.46
70 mph	95.35	0.21	38.55	167.44	3,439.12	2,485.22	-	-	6,225.89
total	186.55	0.41	76.23	325.80	7,283.80	5,379.64	113,958.58	293,993.40	421,204.41

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	336.89	366.55	1,550.23	2,543.42	4,797.09
15 mph	32.89	0.08	13.66	17.44	287.99	221.26	1,809.29	4,893.73	7,276.35
25 mph	-	-	-	-	413.85	319.71	5,901.45	15,205.66	21,840.66
35 mph	76.25	0.17	31.60	38.13	-	-	-	-	146.16
total	109.14	0.25	45.26	55.58	1,038.73	907.52	9,260.97	22,642.81	34,060.26

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	336.89	366.55	1,550.23	2,543.42	4,797.09
10 mph	48.67	0.11	20.05	41.61	869.36	655.26	4,243.43	12,097.14	17,975.62
15 mph	50.74	0.12	21.08	34.67	574.32	441.25	2,921.98	7,903.30	11,947.46
20 mph	26.77	0.06	11.14	24.29	403.40	310.14	5,327.08	14,226.97	20,329.86
25 mph	105.93	0.25	44.08	91.88	1,975.50	1,526.11	20,257.58	52,195.64	76,196.96
30 mph	104.23	0.24	43.28	93.10	1,685.24	1,292.93	15,160.88	39,022.05	57,401.96
35 mph	162.81	0.37	67.46	123.82	1,775.73	1,362.35	9,965.74	26,065.33	39,523.62
40 mph	37.80	0.09	15.62	45.54	1,045.57	794.63	8,894.10	23,199.54	34,032.88
45 mph	29.93	0.07	12.34	35.65	828.48	620.52	6,336.62	16,510.91	24,374.52
50 mph	31.52	0.07	12.97	38.46	937.79	694.77	5,636.21	14,492.60	21,844.40
55 mph	22.94	0.05	9.44	26.43	625.46	458.94	1,895.22	4,905.85	7,944.33
60 mph	37.88	0.09	15.57	36.44	756.67	551.67	78,269.27	201,147.43	280,815.00
65 mph	6.52	0.01	2.67	7.21	141.90	102.43	-	-	260.75
70 mph	95.35	0.21	38.55	167.44	3,439.12	2,485.22	-	-	6,225.89
total	761.08	1.73	314.26	766.56	15,395.44	11,662.78	160,458.34	414,310.16	603,670.35

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1,251.84	1,251.84
15 mph								350.14	350.14
20 mph								611.34	611.34
25 mph								3,099.07	3,099.07
30 mph								2,664.34	2,664.34
35 mph								1,144.46	1,144.46
40 mph								1,221.99	1,221.99
45 mph								944.21	944.21
50 mph								1,487.92	1,487.92
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	12,775.30	12,775.30

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1,102.10	1,102.10
25 mph								1,777.64	1,777.64
30 mph								2,881.89	2,881.89
35 mph								2,750.91	2,750.91
40 mph								2,423.23	2,423.23
45 mph								1,702.18	1,702.18
50 mph								825.34	825.34
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	8,512.53	8,512.53

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								171.27	171.27
15 mph								569.34	569.34
25 mph								2,004.69	2,004.69
35 mph								-	-
total	-	-	-	-	-	-	-	2,745.30	2,745.30

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								171.27	171.27
10 mph								1,251.84	1,251.84
15 mph								919.48	919.48
20 mph								1,713.45	1,713.45
25 mph								6,881.39	6,881.39
30 mph								5,546.23	5,546.23
35 mph								3,895.37	3,895.37
40 mph								3,645.22	3,645.22
45 mph								2,646.40	2,646.40
50 mph								2,313.25	2,313.25
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	28,983.90	28,983.90

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	766.43	514.31	2,129.11	2,725.32	6,135.17
10 mph	5,145.90	455.60	2,303.48	1,411.97	2,259.99	1,126.81	5,430.02	13,360.24	31,494.01
15 mph	5,331.41	471.98	2,386.08	1,134.87	1,727.37	831.96	3,772.08	8,830.87	24,486.62
20 mph	2,851.94	252.50	1,276.39	796.41	1,192.56	577.62	6,834.41	15,954.80	29,736.64
25 mph	11,503.65	1,018.90	5,150.20	3,043.59	5,700.77	2,788.52	25,876.61	59,130.70	114,212.93
30 mph	11,593.13	1,027.14	5,191.79	3,165.95	4,788.61	2,344.70	19,415.15	44,608.88	92,135.36
35 mph	18,567.50	1,645.47	8,317.00	4,299.55	4,803.07	2,388.60	12,870.14	29,988.35	82,879.67
40 mph	4,460.99	395.46	1,998.15	1,635.72	2,818.03	1,395.51	11,630.76	26,870.80	51,205.42
45 mph	3,675.55	325.78	1,645.25	1,335.31	2,272.91	1,110.19	8,402.53	19,176.89	37,944.40
50 mph	3,973.05	352.16	1,777.75	1,474.59	2,542.16	1,238.45	7,551.84	16,823.99	35,733.98
55 mph	2,871.58	254.47	1,285.08	998.63	1,692.55	820.52	2,546.02	4,912.01	15,380.86
60 mph	4,504.70	399.58	2,020.16	1,315.36	2,087.04	1,002.47	104,438.96	201,394.64	317,162.91
65 mph	706.55	62.73	317.46	238.64	395.14	188.20	-	-	1,908.72
70 mph	9,642.30	855.85	4,318.84	5,209.01	9,548.17	4,547.63	-	-	34,121.79
STREX	305.85	27.45	140.47	310.56	25.80	8.67	24.40	0.24	843.44
total	85,134.10	7,545.06	38,128.10	26,370.15	42,620.59	20,884.18	210,922.03	443,777.72	**875,381.93**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	44.89	52.86	54.87	67.73	17.20	19.63	33.60	40.57
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	305.85	27.45	140.47	310.56	25.80	8.67	24.40	0.24
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	305.85	27.45	140.47	310.56	25.80	8.67	24.40	0.24

World Logistics Center
Mobile Emissions - 2032 (Net) - Unmitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
40.64	1,236.28	742.58	8.55	11.34	190.01	117.13	318.48	10.82	46.64	45.84	103.30	8.22	107.89	37.25	923,436.67

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
7.42	225.62	135.52	1.56	2.07	34.68	21.38	58.12	1.97	8.51	8.37	18.85	1.50	19.69	6.80	168,527.19

World Logistics Center
Mobile Emissions - 2032 (Net) - Unmitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	3,491.77	39.96	176.35	168,464.52	1,927.93	8,508.15
LDT1	266.32	0.04	7.22	12,848.98	2.00	348.43
LDT2	1,312.39	12.33	44.43	63,317.83	594.79	2,143.78
MDT	2,185.32	70.40	79.41	33,474.20	1,078.34	1,216.41
LHDT1	708.34	701.51	-	16,476.19	16,317.35	-
LHDT2	207.52	470.31	-	4,826.86	10,939.60	-
MHDT	345.73	2,037.55	-	15,473.80	91,193.26	-
HHDT	2.90	3,722.92	248.19	130.01	166,623.99	11,107.90

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	119,180.20	1,363.92	6,019.09	49,284.32	564.02	2,489.06
LDT1	9,090.01	1.42	246.50	3,758.97	0.59	101.93
LDT2	44,794.19	420.79	1,516.61	18,523.64	174.01	627.16
MDT	17,961.65	578.62	652.70	15,512.56	499.72	563.71
LHDT1	7,951.17	7,874.51	-	8,525.02	8,442.84	-
LHDT2	2,329.37	5,279.29	-	2,497.49	5,660.31	-
MHDT	3,359.85	19,800.92	-	12,113.95	71,392.34	-
HHDT	28.23	36,179.30	2,411.87	101.78	130,444.69	8,696.02

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	5,959.01	454.50	2,239.71	898.08	397.56	116.47	201.59	1.69	10,268.61
15 mph	2,383.60	181.80	895.88	359.23	159.02	46.59	67.20	0.56	4,093.89
20 mph	4,767.21	363.60	1,791.77	718.47	318.05	93.17	134.39	1.13	8,187.79
25 mph	23,836.04	1,818.00	8,958.84	3,592.33	1,590.23	465.87	739.17	6.21	41,006.69
30 mph	26,219.64	1,999.80	9,854.72	3,951.56	1,749.26	512.46	671.97	5.65	44,965.06
35 mph	21,452.44	1,636.20	8,062.95	3,233.10	1,431.21	419.29	302.39	2.54	36,540.11
40 mph	7,150.81	545.40	2,687.65	1,077.70	477.07	139.76	335.98	2.82	12,417.20
45 mph	5,959.01	454.50	2,239.71	898.08	397.56	116.47	268.79	2.26	10,336.37
50 mph	5,959.01	454.50	2,239.71	898.08	397.56	116.47	436.78	3.67	10,505.78
55 mph	4,767.21	363.60	1,791.77	718.47	318.05	93.17	100.80	0.85	8,153.91
60 mph	9,534.42	727.20	3,583.54	1,436.93	636.09	186.35	100.80	0.85	16,206.17
65 mph	1,191.80	90.90	447.94	179.62	79.51	23.29	-	-	2,013.07
70 mph	-	-	-	-	-	-	-	-	-
total	119,180.20	9,090.01	44,794.19	17,961.65	7,951.17	2,329.37	3,359.85	28.23	204,694.65

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	492.84	37.59	185.24	155.13	85.25	24.97	-	-	981.02
15 mph	492.84	37.59	185.24	155.13	85.25	24.97	-	-	981.02
20 mph	492.84	37.59	185.24	155.13	85.25	24.97	242.28	2.04	1,225.33
25 mph	985.69	75.18	370.47	310.25	170.50	49.95	423.99	3.56	2,389.59
30 mph	1,971.37	150.36	740.95	620.50	341.00	99.90	726.84	6.11	4,657.02
35 mph	4,435.59	338.31	1,667.13	1,396.13	767.25	224.77	726.84	6.11	9,562.12
40 mph	4,928.43	375.90	1,852.36	1,551.26	852.50	249.75	666.27	5.60	10,482.07
45 mph	3,942.75	300.72	1,481.89	1,241.00	682.00	199.80	484.56	4.07	8,336.79
50 mph	4,435.59	338.31	1,667.13	1,396.13	767.25	224.77	242.28	2.04	9,073.49
55 mph	2,464.22	187.95	926.18	775.63	426.25	124.87	121.14	1.02	5,027.26
60 mph	1,478.53	112.77	555.71	465.38	255.75	74.92	8,479.77	71.25	11,494.07
65 mph	492.84	37.59	185.24	155.13	85.25	24.97	-	-	981.02
70 mph	22,670.79	1,729.13	8,520.88	7,135.78	3,921.51	1,148.84	-	-	45,126.92
total	49,284.32	3,758.97	18,523.64	15,512.56	8,525.02	2,497.49	12,113.95	101.78	110,317.73

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	48.68	14.26	22.27	0.26	85.47
15 mph	4,721.09	360.08	1,774.44	520.67	244.43	71.61	108.57	0.91	7,801.80
25 mph	-	-	-	-	464.23	136.00	475.08	3.99	1,079.30
35 mph	20,313.11	1,549.30	7,634.74	2,058.61	-	-	-	-	31,555.76
total	25,034.21	1,909.39	9,409.17	2,579.27	708.66	207.61	583.64	4.90	40,436.85

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	48.68	14.26	22.27	0.26	85.47
10 mph	6,451.85	492.09	2,424.95	1,053.21	482.81	141.44	201.59	1.69	11,249.63
15 mph	7,597.54	579.47	2,855.56	1,035.02	488.71	143.17	175.76	1.48	12,876.71
20 mph	5,260.05	401.19	1,977.00	873.59	403.30	118.15	376.67	3.16	9,413.12
25 mph	24,821.73	1,893.18	9,329.31	3,902.58	2,224.96	651.82	1,638.23	13.76	44,475.58
30 mph	28,191.02	2,150.16	10,595.67	4,572.06	2,090.26	612.36	1,398.81	11.75	49,622.09
35 mph	46,201.14	3,523.81	17,364.82	6,687.83	2,198.46	644.06	1,029.22	8.65	77,657.99
40 mph	12,079.24	921.30	4,540.02	2,628.95	1,329.57	389.51	1,002.25	8.42	22,899.27
45 mph	9,901.76	755.22	3,721.60	2,139.09	1,079.56	316.27	753.35	6.33	18,673.16
50 mph	10,394.60	792.81	3,906.84	2,294.21	1,164.81	341.24	679.06	5.71	19,579.27
55 mph	7,231.42	551.55	2,717.95	1,494.09	744.30	218.05	221.93	1.86	13,181.16
60 mph	11,012.95	839.97	4,139.24	1,902.31	891.84	261.27	8,580.56	72.09	27,700.24
65 mph	1,684.65	128.49	633.18	334.74	164.76	48.27	-	-	2,994.09
70 mph	22,670.79	1,729.13	8,520.88	7,135.78	3,921.51	1,148.84	-	-	45,126.92
total	193,498.72	14,758.36	72,727.00	36,053.48	17,184.85	5,034.47	16,057.44	134.91	355,449.23

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	68.20	0.07	21.04	28.93	393.73	263.96	1,188.06	2,170.76	4,134.74
15 mph	27.28	0.03	8.42	11.57	157.49	105.59	396.02	723.59	1,429.98
20 mph	54.56	0.06	16.83	23.14	314.98	211.17	792.04	1,447.17	2,859.95
25 mph	272.78	0.28	84.16	115.72	1,574.90	1,055.86	4,356.20	7,959.45	15,419.36
30 mph	300.06	0.31	92.57	127.30	1,732.39	1,161.44	3,960.18	7,235.86	14,610.12
35 mph	245.50	0.25	75.74	104.15	1,417.41	950.27	1,782.08	3,256.14	7,831.56
40 mph	81.83	0.08	25.25	34.72	472.47	316.76	1,980.09	3,617.93	6,529.13
45 mph	68.20	0.07	21.04	28.93	393.73	263.96	1,584.07	2,894.34	5,254.34
50 mph	68.20	0.07	21.04	28.93	393.73	263.96	2,574.12	4,703.31	8,053.36
55 mph	54.56	0.06	16.83	23.14	314.98	211.17	594.03	1,085.38	2,300.15
60 mph	109.11	0.11	33.66	46.29	629.96	422.34	594.03	1,085.38	2,920.89
65 mph	13.64	0.01	4.21	5.79	78.75	52.79	-	-	155.19
70 mph	-	-	-	-	-	-	-	-	-
total	1,363.92	1.42	420.79	578.62	7,874.51	5,279.29	19,800.92	36,179.30	71,498.76

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	5.64	0.01	1.74	5.00	84.43	56.60	-	-	153.41
15 mph	5.64	0.01	1.74	5.00	84.43	56.60	-	-	153.41
20 mph	5.64	0.01	1.74	5.00	84.43	56.60	1,427.85	2,608.89	4,190.16
25 mph	11.28	0.01	3.48	9.99	168.86	113.21	2,498.73	4,565.56	7,371.13
30 mph	22.56	0.02	6.96	19.99	337.71	226.41	4,283.54	7,826.68	12,723.88
35 mph	50.76	0.05	15.66	44.98	759.86	509.43	4,283.54	7,826.68	13,490.96
40 mph	56.40	0.06	17.40	49.97	844.28	566.03	3,926.58	7,174.46	12,635.19
45 mph	45.12	0.05	13.92	39.98	675.43	452.82	2,855.69	5,217.79	9,300.80
50 mph	50.76	0.05	15.66	44.98	759.86	509.43	1,427.85	2,608.89	5,417.47
55 mph	28.20	0.03	8.70	24.99	422.14	283.02	713.92	1,304.45	2,785.44
60 mph	16.92	0.02	5.22	14.99	253.29	169.81	49,974.64	91,311.28	141,746.17
65 mph	5.64	0.01	1.74	5.00	84.43	56.60	-	-	153.41
70 mph	259.45	0.27	80.04	229.87	3,883.71	2,603.74	-	-	7,057.08
total	564.02	0.59	174.01	499.72	8,442.84	5,660.31	71,392.34	130,444.69	217,178.51

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	48.22	32.32	131.25	239.82	451.61
15 mph	54.03	0.06	16.67	16.77	242.08	162.29	639.82	1,169.05	2,300.77
25 mph	-	-	-	-	459.75	308.23	2,799.83	5,115.71	8,683.52
35 mph	232.47	0.24	71.72	66.32	-	-	-	-	370.74
total	286.50	0.30	88.39	83.09	701.83	470.52	3,439.65	6,284.76	11,355.03

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	48.22	32.32	131.25	239.82	451.61
10 mph	73.84	0.08	22.78	33.93	478.15	320.57	1,188.06	2,170.76	4,288.15
15 mph	86.95	0.09	26.82	33.34	483.99	324.48	1,035.84	1,892.63	3,884.16
20 mph	60.20	0.06	18.57	28.14	399.41	267.77	2,219.88	4,056.07	7,050.11
25 mph	284.06	0.29	87.64	125.72	2,203.51	1,477.29	9,654.76	17,640.72	31,474.00
30 mph	322.62	0.34	99.53	147.29	2,070.11	1,387.86	8,243.72	15,062.54	27,334.00
35 mph	528.73	0.55	163.12	215.44	2,177.27	1,459.70	6,065.62	11,082.82	21,693.26
40 mph	138.24	0.14	42.65	84.69	1,316.75	882.79	5,906.67	10,792.39	19,164.32
45 mph	113.32	0.12	34.96	68.91	1,069.15	716.79	4,439.77	8,112.13	14,555.14
50 mph	118.96	0.12	36.70	73.91	1,153.58	773.39	4,001.97	7,312.20	13,470.83
55 mph	82.76	0.09	25.53	48.13	737.12	494.19	1,307.95	2,389.83	5,085.59
60 mph	126.03	0.13	38.88	61.28	883.25	592.15	50,568.67	92,396.66	144,667.06
65 mph	19.28	0.02	5.95	10.78	163.17	109.40	-	-	308.60
70 mph	259.45	0.27	80.04	229.87	3,883.71	2,603.74	-	-	7,057.08
total	2,214.43	2.30	683.18	1,161.43	17,019.18	11,410.13	94,632.90	172,908.75	300,032.30

Surface Street VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	300.95	12.32	75.83	32.64	-	-	-	144.71	566.46
15 mph	120.38	4.93	30.33	13.05	-	-	-	48.24	216.94
20 mph	240.76	9.86	60.66	26.11	-	-	-	96.47	433.87
25 mph	1,203.82	49.30	303.32	130.54	-	-	-	530.61	2,217.59
30 mph	1,324.20	54.23	333.66	143.59	-	-	-	482.37	2,338.05
35 mph	1,083.44	44.37	272.99	117.49	-	-	-	217.07	1,735.35
40 mph	361.15	14.79	91.00	39.16	-	-	-	241.19	747.28
45 mph	300.95	12.32	75.83	32.64	-	-	-	192.95	614.69
50 mph	300.95	12.32	75.83	32.64	-	-	-	313.54	735.29
55 mph	240.76	9.86	60.66	26.11	-	-	-	72.36	409.75
60 mph	481.53	19.72	121.33	52.22	-	-	-	72.36	747.15
65 mph	60.19	2.46	15.17	6.53	-	-	-	-	84.35
70 mph	-	-	-	-	-	-	-	-	-
total	6,019.09	246.50	1,516.61	652.70	-	-	-	2,411.87	10,846.78

Freeway VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	24.89	1.02	6.27	5.64	-	-	-	-	37.82
15 mph	24.89	1.02	6.27	5.64	-	-	-	-	37.82
20 mph	24.89	1.02	6.27	5.64	-	-	-	173.92	211.74
25 mph	49.78	2.04	12.54	11.27	-	-	-	304.36	380.00
30 mph	99.56	4.08	25.09	22.55	-	-	-	521.76	673.04
35 mph	224.02	9.17	56.44	50.73	-	-	-	521.76	862.13
40 mph	248.91	10.19	62.72	56.37	-	-	-	478.28	856.47
45 mph	199.12	8.15	50.17	45.10	-	-	-	347.84	650.39
50 mph	224.02	9.17	56.44	50.73	-	-	-	173.92	514.29
55 mph	124.45	5.10	31.36	28.19	-	-	-	86.96	276.05
60 mph	74.67	3.06	18.81	16.91	-	-	-	6,087.22	6,200.67
65 mph	24.89	1.02	6.27	5.64	-	-	-	-	37.82
70 mph	1,144.97	46.89	288.49	259.31	-	-	-	-	1,739.66
total	2,489.06	101.93	627.16	563.71	-	-	-	8,696.02	12,477.89

Internal VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	15.99	15.99
15 mph	238.43	9.76	60.08	18.92	-	-	-	77.93	405.13
25 mph	-	-	-	-	-	-	-	341.04	341.04
35 mph	1,025.90	42.01	258.49	74.81	-	-	-	-	1,401.21
total	1,264.33	51.78	318.57	93.73	-	-	-	418.97	2,147.38

Total VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	15.99	15.99
10 mph	325.85	13.34	82.10	38.27	-	-	-	144.71	604.28
15 mph	383.71	15.71	96.68	37.61	-	-	-	126.17	659.89
20 mph	265.65	10.88	66.94	31.75	-	-	-	270.40	645.61
25 mph	1,253.60	51.34	315.87	141.81	-	-	-	1,176.01	2,938.63
30 mph	1,423.76	58.31	358.74	166.14	-	-	-	1,004.14	3,011.09
35 mph	2,333.35	95.56	587.93	243.03	-	-	-	738.83	3,998.69
40 mph	610.05	24.98	153.71	95.53	-	-	-	719.47	1,603.75
45 mph	500.08	20.48	126.00	77.73	-	-	-	540.79	1,265.08
50 mph	524.97	21.50	132.28	83.37	-	-	-	487.46	1,249.58
55 mph	365.22	14.96	92.02	54.29	-	-	-	159.32	685.81
60 mph	556.20	22.78	140.14	69.13	-	-	-	6,159.57	6,947.82
65 mph	85.08	3.48	21.44	12.16	-	-	-	-	122.17
70 mph	1,144.97	46.89	288.49	259.31	-	-	-	-	1,739.66
total	5,985.92	245.14	1,508.25	658.61	-	-	-	3,460.25	25,472.04

World Logistics Center
Mobile Emissions - 2032 (Net) - Unmitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	23635	330	0.21	4963.3	4673.7	53.5	236.0
	LDT1	15	1744	330	0.21	366.2	356.5	0.1	9.7
	LDT2	15	8727	330	0.21	1832.6	1756.6	16.5	59.5
	MDT	15	2629	330	0.21	552.2	516.7	16.6	18.8
	LHDT1	15	2310	330	0.21	485.1	243.7	241.4	0.0
	LHDT2	15	1111	330	0.21	233.2	71.4	161.8	0.0
	MHDT	15	3537	330	0.21	742.7	107.7	634.9	0.0
	HHDT	15	5897	330	0.21	1238.4	0.9	1160.1	77.3
Travel at Light Logistics	LDA	15	170	175	0.11	18.7	17.6	0.2	0.9
	LDT1	15	13	175	0.11	1.4	1.3	0.0	0.0
	LDT2	15	63	175	0.11	6.9	6.6	0.1	0.2
	MDT	15	16	175	0.11	1.7	1.6	0.1	0.1
	LHDT1	15	9	175	0.11	1.0	0.5	0.5	0.0
	LHDT2	15	4	175	0.11	0.5	0.2	0.3	0.0
	MHDT	15	11	175	0.11	1.3	0.2	1.1	0.0
	HHDT	15	19	175	0.11	2.1	0.0	2.0	0.1
Travel at Utility	LDA	15	192	100	0.06	11.5	10.9	0.1	0.5
	LDT1	15	14	100	0.06	0.9	0.8	0.0	0.0
	LDT2	15	71	100	0.06	4.3	4.1	0.0	0.1
	MDT	15	41	100	0.06	2.5	2.3	0.1	0.1
	LHDT1	15	6	100	0.06	0.4	0.2	0.2	0.0
	LHDT2	15	3	100	0.06	0.2	0.1	0.1	0.0
	MHDT	15	12	100	0.06	0.7	0.1	0.6	0.0
	HHDT	15	20	100	0.06	1.2	0.0	1.1	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	125	50	0.03	3.7	0.5	3.2	0.0
	HHDT	15	208	50	0.03	6.2	0.0	5.8	0.4
Travel at Convenience Store	LDA	15	587	50	0.03	17.6	16.6	0.2	0.8
	LDT1	15	43	50	0.03	1.3	1.3	0.0	0.0
	LDT2	15	217	50	0.03	6.5	6.2	0.1	0.2
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	83	50	0.03	2.5	2.4	0.0	0.1
	LDT1	15	6	50	0.03	0.2	0.2	0.0	0.0
	LDT2	15	31	50	0.03	0.9	0.9	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	4721.1	360.1	1774.4	520.7	244.4	71.6	108.6	0.9
Diesel	54.0	0.1	16.7	16.8	242.1	162.3	639.8	1169.0
Electric/Natural Gas (HHDT Only)	238.4	9.8	60.1	18.9	0.0	0.0	0.0	77.9

World Logistics Center
Mobile Emissions - 2032 (Net) - Unmitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	1155	580	575	0	2901.6	2873.6	0.0
	LHDT2	5	555	170	385	0	850.0	1926.5	0.0
	MHDT	5	1768	257	1512	0	1282.6	7558.8	0.0
	HHDT	5	2948	2	2762	184	10.8	13811.0	920.7
Travel at Light Logistics	LHDT1	5	5	2	2	0	11.6	11.5	0.0
	LHDT2	5	2	1	2	0	3.4	7.7	0.0
	MHDT	5	6	1	5	0	4.1	24.4	0.0
	HHDT	5	10	0	9	1	0.0	44.7	3.0
Travel at Utility	LHDT1	5	3	2	2	0	7.8	7.8	0.0
	LHDT2	5	2	0	1	0	2.3	5.2	0.0
	MHDT	5	6	1	5	0	4.3	25.5	0.0
	HHDT	5	10	0	9	1	0.0	46.5	3.1
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	62	9	53	0	45.2	266.5	0.0
	HHDT	5	104	0	97	6	0.4	486.9	32.5
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	48.7	14.3	22.3	0.3
Diesel	48.2	32.3	131.3	239.8
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	16.0

World Logistics Center
Mobile Emissions - 2032 (Net) - Unmitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					13.9323	14.1109	27.1363	10.8767
10 mph	0.0156	0.0356	0.0286	0.0339	0.0374	0.0294	0.0730	1.3782
15 mph	0.0104	0.0241	0.0192	0.0228	0.0252	0.0197	0.0488	0.9150
20 mph	0.0073	0.0172	0.0136	0.0161	0.0182	0.0140	0.0345	0.6439
25 mph	0.0054	0.0129	0.0101	0.0120	0.0137	0.0104	0.0253	0.4766
30 mph	0.0042	0.0101	0.0078	0.0093	0.0108	0.0081	0.0196	0.3723
35 mph	0.0034	0.0083	0.0064	0.0077	0.0090	0.0067	0.0160	0.3071
40 mph	0.0030	0.0073	0.0056	0.0067	0.0080	0.0058	0.0139	0.2676
45 mph	0.0027	0.0067	0.0051	0.0061	0.0075	0.0054	0.0127	0.2456
50 mph	0.0026	0.0064	0.0049	0.0059	0.0073	0.0052	0.0123	0.2374
55 mph	0.0027	0.0065	0.0049	0.0060	0.0075	0.0053	0.0126	0.2419
60 mph	0.0028	0.0067	0.0052	0.0063	0.0080	0.0057	0.0135	0.2586
65 mph	0.0031	0.0074	0.0057	0.0069	0.0091	0.0064		
70 mph	0.0034	0.0086	0.0059	0.0075	0.0098	0.0063		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5131	2.3637
10 mph	0.0803	0.2870	0.1961	0.0878	0.5539	0.5562	0.0344	0.0812
15 mph	0.0399	0.1719	0.0959	0.0431	0.2772	0.2785	0.0191	0.0457
20 mph	0.0164	0.1032	0.0375	0.0171	0.1164	0.1170	0.0128	0.0287
25 mph	0.0101	0.0763	0.0226	0.0105	0.0732	0.0735	0.0100	0.0236
30 mph	0.0077	0.0621	0.0171	0.0080	0.0567	0.0569	0.0081	0.0191
35 mph	0.0062	0.0530	0.0136	0.0064	0.0465	0.0465	0.0067	0.0157
40 mph	0.0052	0.0475	0.0112	0.0053	0.0396	0.0395	0.0057	0.0135
45 mph	0.0045	0.0444	0.0095	0.0046	0.0348	0.0347	0.0053	0.0124
50 mph	0.0040	0.0434	0.0083	0.0040	0.0316	0.0315	0.0053	0.0124
55 mph	0.0036	0.0446	0.0073	0.0036	0.0292	0.0291	0.0058	0.0137
60 mph	0.0035	0.0480	0.0069	0.0034	0.0290	0.0288	0.0068	0.0160
65 mph	0.0036	0.0540	0.0069	0.0035	0.0317	0.0314		
70 mph	0.0037	0.0596	0.0070	0.0038	0.0463	0.0434		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0516
10 mph								0.3976
15 mph								0.2535
20 mph								0.1658
25 mph								0.1223
30 mph								0.0928
35 mph								0.0707
40 mph								0.0543
45 mph								0.0422
50 mph								0.0335
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.2050	0.0357	0.1412	0.0672	0.0328	0.0075	0.0324	0.0051	0.5270
15 mph	0.0548	0.0097	0.0380	0.0180	0.0088	0.0020	0.0072	0.0011	0.1398
20 mph	0.0771	0.0138	0.0538	0.0256	0.0128	0.0029	0.0102	0.0016	0.1978
25 mph	0.2839	0.0516	0.1990	0.0948	0.0479	0.0106	0.0413	0.0065	0.7357
30 mph	0.2421	0.0446	0.1702	0.0814	0.0417	0.0091	0.0290	0.0046	0.6225
35 mph	0.1616	0.0301	0.1137	0.0546	0.0285	0.0062	0.0106	0.0017	0.4071
40 mph	0.0467	0.0087	0.0329	0.0158	0.0084	0.0018	0.0103	0.0017	0.1264
45 mph	0.0358	0.0067	0.0251	0.0121	0.0065	0.0014	0.0075	0.0012	0.0964
50 mph	0.0345	0.0064	0.0241	0.0117	0.0064	0.0013	0.0118	0.0019	0.0981
55 mph	0.0280	0.0052	0.0195	0.0094	0.0053	0.0011	0.0028	0.0005	0.0717
60 mph	0.0590	0.0108	0.0409	0.0198	0.0112	0.0023	0.0030	0.0005	0.1475
65 mph	0.0082	0.0015	0.0056	0.0027	0.0016	0.0003	-	-	0.0199
70 mph	-	-	-	-	-	-	-	-	-
total	1.2368	0.2246	0.8640	0.4132	0.2120	0.0467	0.1662	0.0265	3.1899

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0170	0.0029	0.0117	0.0116	0.0070	0.0016	-	-	0.0518
15 mph	0.0113	0.0020	0.0079	0.0078	0.0047	0.0011	-	-	0.0348
20 mph	0.0080	0.0014	0.0056	0.0055	0.0034	0.0008	0.0184	0.0029	0.0460
25 mph	0.0117	0.0021	0.0082	0.0082	0.0051	0.0011	0.0237	0.0037	0.0640
30 mph	0.0182	0.0034	0.0128	0.0128	0.0081	0.0018	0.0313	0.0050	0.0934
35 mph	0.0334	0.0062	0.0235	0.0236	0.0153	0.0033	0.0256	0.0041	0.1351
40 mph	0.0322	0.0060	0.0227	0.0228	0.0151	0.0032	0.0204	0.0033	0.1257
45 mph	0.0237	0.0044	0.0166	0.0167	0.0112	0.0024	0.0136	0.0022	0.0908
50 mph	0.0257	0.0048	0.0179	0.0181	0.0123	0.0026	0.0066	0.0011	0.0890
55 mph	0.0145	0.0027	0.0101	0.0102	0.0070	0.0015	0.0034	0.0005	0.0498
60 mph	0.0091	0.0017	0.0063	0.0064	0.0045	0.0009	0.2516	0.0406	0.3212
65 mph	0.0034	0.0006	0.0023	0.0024	0.0017	0.0004	-	-	0.0108
70 mph	0.1677	0.0328	0.1112	0.1187	0.0843	0.0160	-	-	0.5307
total	0.3759	0.0710	0.2568	0.2647	0.1799	0.0367	0.3945	0.0635	1.6431

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.4956	0.4438	1.3326	0.0061	3.2781
15 mph	0.1086	0.0191	0.0753	0.0262	0.0136	0.0031	0.0117	0.0018	0.2594
25 mph	-	-	-	-	0.0140	0.0031	0.0265	0.0042	0.0478
35 mph	0.1531	0.0285	0.1076	0.0348	-	-	-	-	0.3239
total	0.2617	0.0476	0.1829	0.0609	1.5232	0.4500	1.3708	0.0122	3.9092

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.4956	0.4438	1.3326	0.0061	3.2781
10 mph	0.2220	0.0386	0.1528	0.0788	0.0399	0.0092	0.0324	0.0051	0.5788
15 mph	0.1748	0.0308	0.1211	0.0520	0.0272	0.0062	0.0189	0.0030	0.4339
20 mph	0.0851	0.0152	0.0594	0.0311	0.0162	0.0036	0.0286	0.0045	0.2438
25 mph	0.2956	0.0537	0.2073	0.1030	0.0670	0.0149	0.0915	0.0145	0.8475
30 mph	0.2603	0.0479	0.1830	0.0941	0.0498	0.0109	0.0603	0.0096	0.7159
35 mph	0.3481	0.0648	0.2448	0.1130	0.0438	0.0095	0.0362	0.0059	0.8661
40 mph	0.0790	0.0147	0.0556	0.0386	0.0235	0.0050	0.0308	0.0050	0.2521
45 mph	0.0595	0.0111	0.0418	0.0288	0.0177	0.0038	0.0211	0.0034	0.1872
50 mph	0.0602	0.0112	0.0421	0.0298	0.0187	0.0039	0.0184	0.0030	0.1872
55 mph	0.0425	0.0078	0.0296	0.0196	0.0123	0.0026	0.0061	0.0010	0.1215
60 mph	0.0681	0.0124	0.0472	0.0262	0.0158	0.0033	0.2546	0.0411	0.4687
65 mph	0.0116	0.0021	0.0079	0.0051	0.0033	0.0007	-	-	0.0307
70 mph	0.1677	0.0328	0.1112	0.1187	0.0843	0.0160	-	-	0.5307
total	1.8743	0.3433	1.3037	0.7388	1.9151	0.5333	1.9315	0.1022	8.7422

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0121	0.0000	0.0091	0.0056	0.4809	0.3238	0.0901	0.3887	1.3102
15 mph	0.0024	0.0000	0.0018	0.0011	0.0963	0.0648	0.0167	0.0729	0.2560
20 mph	0.0020	0.0000	0.0014	0.0009	0.0809	0.0545	0.0224	0.0916	0.2536
25 mph	0.0061	0.0000	0.0042	0.0027	0.2541	0.1712	0.0965	0.4148	0.9495
30 mph	0.0051	0.0000	0.0035	0.0022	0.2164	0.1456	0.0709	0.3050	0.7488
35 mph	0.0034	0.0000	0.0023	0.0015	0.1453	0.0974	0.0263	0.1125	0.3886
40 mph	0.0009	0.0000	0.0006	0.0004	0.0412	0.0276	0.0250	0.1075	0.2034
45 mph	0.0007	0.0000	0.0004	0.0003	0.0302	0.0202	0.0184	0.0792	0.1493
50 mph	0.0006	0.0000	0.0004	0.0003	0.0275	0.0183	0.0300	0.1289	0.2059
55 mph	0.0004	0.0000	0.0003	0.0002	0.0203	0.0136	0.0076	0.0329	0.0752
60 mph	0.0009	0.0000	0.0005	0.0004	0.0402	0.0268	0.0089	0.0382	0.1158
65 mph	0.0001	0.0000	0.0001	0.0000	0.0055	0.0036	-	-	0.0094
70 mph	-	-	-	-	-	-	-	-	-
total	0.0346	0.0002	0.0245	0.0155	1.4387	0.9675	0.4126	1.7722	4.6657

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0010	0.0000	0.0008	0.0010	0.1031	0.0694	-	-	0.1753
15 mph	0.0005	0.0000	0.0004	0.0005	0.0516	0.0348	-	-	0.0877
20 mph	0.0002	0.0000	0.0001	0.0002	0.0217	0.0146	0.0404	0.1652	0.2424
25 mph	0.0003	0.0000	0.0002	0.0002	0.0272	0.0184	0.0553	0.2379	0.3395
30 mph	0.0004	0.0000	0.0003	0.0004	0.0422	0.0284	0.0767	0.3299	0.4781
35 mph	0.0007	0.0000	0.0005	0.0006	0.0779	0.0522	0.0631	0.2704	0.4654
40 mph	0.0006	0.0000	0.0004	0.0006	0.0737	0.0493	0.0496	0.2132	0.3875
45 mph	0.0004	0.0000	0.0003	0.0004	0.0518	0.0346	0.0331	0.1428	0.2634
50 mph	0.0004	0.0000	0.0003	0.0004	0.0530	0.0354	0.0166	0.0715	0.1776
55 mph	0.0002	0.0000	0.0001	0.0002	0.0272	0.0182	0.0091	0.0395	0.0946
60 mph	0.0001	0.0000	0.0001	0.0001	0.0162	0.0108	0.7448	3.2151	3.9872
65 mph	0.0000	0.0000	0.0000	0.0000	0.0059	0.0039	-	-	0.0099
70 mph	0.0021	0.0000	0.0012	0.0019	0.3967	0.2491	-	-	0.6511
total	0.0071	0.0001	0.0047	0.0065	0.9481	0.6190	1.0888	4.6854	7.3597

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3373	0.2262	0.1485	1.2499	1.9619
15 mph	0.0048	0.0000	0.0035	0.0016	0.1480	0.0997	0.0270	0.1178	0.4023
25 mph	-	-	-	-	0.0742	0.0500	0.0620	0.2666	0.4527
35 mph	0.0032	0.0000	0.0021	0.0009	-	-	-	-	0.0063
total	0.0079	0.0000	0.0057	0.0025	0.5595	0.3758	0.2375	1.6344	2.8233

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3373	0.2262	0.1485	1.2499	1.9619
10 mph	0.0131	0.0000	0.0098	0.0066	0.5840	0.3932	0.0901	0.3887	1.4855
15 mph	0.0077	0.0000	0.0057	0.0032	0.2958	0.1992	0.0436	0.1908	0.7460
20 mph	0.0022	0.0000	0.0015	0.0011	0.1025	0.0691	0.0628	0.2568	0.4960
25 mph	0.0063	0.0000	0.0044	0.0029	0.3555	0.2395	0.2138	0.9193	1.7418
30 mph	0.0055	0.0000	0.0037	0.0026	0.2586	0.1740	0.1476	0.6348	1.2269
35 mph	0.0072	0.0001	0.0049	0.0030	0.2232	0.1497	0.0893	0.3828	0.8603
40 mph	0.0016	0.0000	0.0011	0.0010	0.1149	0.0769	0.0746	0.3208	0.5909
45 mph	0.0011	0.0000	0.0007	0.0007	0.0819	0.0548	0.0515	0.2219	0.4127
50 mph	0.0010	0.0000	0.0007	0.0007	0.0805	0.0537	0.0466	0.2004	0.3835
55 mph	0.0007	0.0000	0.0004	0.0004	0.0475	0.0317	0.0167	0.0724	0.1698
60 mph	0.0010	0.0000	0.0006	0.0005	0.0564	0.0376	0.7537	3.2533	4.1030
65 mph	0.0002	0.0000	0.0001	0.0001	0.0114	0.0076	-	-	0.0193
70 mph	0.0021	0.0000	0.0012	0.0019	0.3967	0.2491	-	-	0.6511
total	0.0496	0.0004	0.0348	0.0245	2.9462	1.9623	1.7389	8.0919	14.8487

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1269	0.1269
15 mph								0.0270	0.0270
20 mph								0.0353	0.0353
25 mph								0.1431	0.1431
30 mph								0.0987	0.0987
35 mph								0.0338	0.0338
40 mph								0.0289	0.0289
45 mph								0.0180	0.0180
50 mph								0.0232	0.0232
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.5348	0.5348

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0636	0.0636
25 mph								0.0821	0.0821
30 mph								0.1067	0.1067
35 mph								0.0814	0.0814
40 mph								0.0573	0.0573
45 mph								0.0324	0.0324
50 mph								0.0129	0.0129
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.3338	0.3338

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0018	0.0018
15 mph								0.0436	0.0436
25 mph								0.0920	0.0920
35 mph								-	-
total	-	-	-	-	-	-	-	0.1373	0.1373

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0018	0.0018
10 mph								0.1269	0.1269
15 mph								0.0705	0.0705
20 mph								0.0989	0.0989
25 mph								0.3171	0.3171
30 mph								0.2054	0.2054
35 mph								0.1152	0.1152
40 mph								0.0861	0.0861
45 mph								0.0504	0.0504
50 mph								0.0361	0.0361
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.1084	1.1084

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3025	0.9738	0.5346	0.5839	0.9762	0.9025	0.5329	1.3188
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.3287	0.5718	1.5469	2.8134	1.5248	0.4130	0.4063	0.0084
Electric/NG	-	-	-	-	-	-	-	-
Total	**2.3287**	**0.5718**	**1.5469**	**2.8134**	**1.5248**	**0.4130**	**0.4063**	**0.0084**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2869	0.5557	0.5030	0.6661	0.0630	0.0597	0.0510	0.0564
Electric/NG	0.0316	0.0313	0.0314	0.0315	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.1043	0.1632	0.7278	1.6049	0.0492	0.0137	0.0194	0.0002
Electric/NG	0.0061	0.0002	0.0015	0.0028	-	-	-	-
Total	1.1105	0.1634	0.7293	1.6076	0.0492	0.0137	0.0194	0.0002

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1144	0.1564	0.1637	0.1919	0.0677	0.0673	0.1605	0.0014
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.8810	0.0919	0.4738	0.9246	0.1058	0.0308	0.1223	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.8810	0.0919	0.4738	0.9246	0.1058	0.0308	0.1223	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.8330	0.6699	1.4811	1.2579	5.2419
10 mph	0.2351	0.0387	0.1627	0.0853	0.6239	0.4024	0.1225	0.5207	2.1912
15 mph	0.1824	0.0308	0.1268	0.0552	0.3230	0.2054	0.0625	0.2643	1.2504
20 mph	0.0872	0.0153	0.0609	0.0322	0.1188	0.0727	0.0914	0.3602	0.8386
25 mph	0.3020	0.0538	0.2116	0.1059	0.4225	0.2544	0.3053	1.2509	2.9064
30 mph	0.2658	0.0480	0.1867	0.0967	0.3084	0.1849	0.2079	0.8499	2.1482
35 mph	0.3554	0.0648	0.2497	0.1160	0.2670	0.1592	0.1256	0.5039	1.8416
40 mph	0.0805	0.0148	0.0566	0.0396	0.1384	0.0819	0.1054	0.4119	0.9291
45 mph	0.0606	0.0111	0.0425	0.0295	0.0997	0.0585	0.0726	0.2757	0.6503
50 mph	0.0612	0.0112	0.0427	0.0304	0.0992	0.0576	0.0650	0.2394	0.6068
55 mph	0.0431	0.0079	0.0300	0.0200	0.0598	0.0343	0.0228	0.0734	0.2914
60 mph	0.0691	0.0124	0.0478	0.0267	0.0721	0.0409	1.0082	3.2944	4.5717
65 mph	0.0117	0.0021	0.0080	0.0052	0.0147	0.0082	-	-	0.0500
70 mph	0.1698	0.0328	0.1125	0.1206	0.4810	0.2651	-	-	1.1818
RUNLOSS HO	2.3287	0.5718	1.5469	2.8134	1.5248	0.4130	0.4063	0.0084	9.6134
RESTLOSS DIL	1.1105	0.1634	0.7293	1.6076	0.0492	0.0137	0.0194	0.0002	3.6934
STREX	0.8810	0.0919	0.4738	0.9246	0.1058	0.0308	0.1223	0.0000	2.6301
total	6.2442	1.1707	4.0885	6.1089	6.5411	2.9530	4.2185	9.3111	**40.6361**

World Logistics Center
Mobile Emissions - 2032 (Net) - Unmitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.2143	1.2293	2.4093	27.1797
10 mph	0.0326	0.0652	0.0555	0.0647	0.1129	0.1215	0.2300	4.7670
15 mph	0.0286	0.0564	0.0485	0.0563	0.0990	0.1062	0.2039	4.2103
20 mph	0.0257	0.0501	0.0432	0.0503	0.0907	0.0964	0.1841	3.8025
25 mph	0.0234	0.0452	0.0390	0.0455	0.0833	0.0878	0.1671	3.4817
30 mph	0.0216	0.0416	0.0359	0.0420	0.0783	0.0819	0.1538	3.2442
35 mph	0.0203	0.0391	0.0335	0.0394	0.0749	0.0777	0.1439	3.0709
40 mph	0.0194	0.0374	0.0320	0.0377	0.0724	0.0745	0.1377	2.9453
45 mph	0.0188	0.0364	0.0310	0.0366	0.0708	0.0723	0.1329	2.8655
50 mph	0.0186	0.0364	0.0307	0.0364	0.0707	0.0715	0.1313	2.8372
55 mph	0.0188	0.0374	0.0314	0.0372	0.0721	0.0725	0.1332	2.8721
60 mph	0.0196	0.0396	0.0330	0.0391	0.0747	0.0753	0.1378	2.9652
65 mph	0.0205	0.0422	0.0347	0.0413	0.0788	0.0790		
70 mph	0.0214	0.0469	0.0351	0.0439	0.0881	0.0806		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					36.8698	37.4239	32.3054	28.5696
10 mph	0.0565	0.3645	0.1260	0.0594	0.5134	0.5185	5.2477	11.3690
15 mph	0.0402	0.3479	0.0848	0.0410	0.4168	0.4257	3.6799	7.6084
20 mph	0.0289	0.3391	0.0564	0.0284	0.3921	0.3970	2.9209	5.3510
25 mph	0.0237	0.3378	0.0432	0.0228	0.3778	0.3817	2.2800	4.4441
30 mph	0.0210	0.3393	0.0363	0.0200	0.3901	0.3909	1.7070	3.3315
35 mph	0.0192	0.3395	0.0317	0.0184	0.4169	0.4117	1.2492	2.5080
40 mph	0.0181	0.3483	0.0285	0.0171	0.4392	0.4303	0.9070	1.8327
45 mph	0.0175	0.3606	0.0260	0.0162	0.4568	0.4463	0.6809	1.3880
50 mph	0.0170	0.3693	0.0242	0.0157	0.4820	0.4699	0.5738	1.1377
55 mph	0.0167	0.3850	0.0227	0.0152	0.4837	0.4743	0.5836	1.1636
60 mph	0.0168	0.4004	0.0221	0.0151	0.4929	0.4824	0.7100	1.3967
65 mph	0.0169	0.4008	0.0223	0.0156	0.5525	0.5367		
70 mph	0.0179	0.3501	0.0233	0.0185	1.0596	0.9491		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								31.0594
10 mph								2.4081
15 mph								1.7713
20 mph								1.3660
25 mph								1.1463
30 mph								1.0152
35 mph								0.9223
40 mph								0.8537
45 mph								0.8026
50 mph								0.7649
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.4279	0.0653	0.2742	0.1281	0.0989	0.0312	0.1022	0.0178	1.1457
15 mph	0.1504	0.0226	0.0957	0.0446	0.0347	0.0109	0.0302	0.0052	0.3944
20 mph	0.2701	0.0402	0.1708	0.0796	0.0636	0.0198	0.0546	0.0095	0.7082
25 mph	1.2281	0.1811	0.7705	0.3602	0.2920	0.0902	0.2724	0.0477	3.2421
30 mph	1.2508	0.1835	0.7795	0.3657	0.3019	0.0925	0.2278	0.0404	3.2421
35 mph	0.9622	0.1410	0.5959	0.2811	0.2364	0.0718	0.0960	0.0172	2.4016
40 mph	0.3062	0.0450	0.1895	0.0896	0.0761	0.0230	0.1020	0.0183	0.8496
45 mph	0.2472	0.0365	0.1533	0.0726	0.0621	0.0186	0.0788	0.0143	0.6833
50 mph	0.2444	0.0365	0.1518	0.0721	0.0619	0.0184	0.1265	0.0230	0.7345
55 mph	0.1980	0.0300	0.1242	0.0590	0.0506	0.0149	0.0296	0.0054	0.5117
60 mph	0.4122	0.0635	0.2611	0.1240	0.1048	0.0309	0.0306	0.0055	1.0327
65 mph	0.0539	0.0085	0.0342	0.0164	0.0138	0.0041	-	-	0.1308
70 mph	-	-	-	-	-	-	-	-	-
total	5.7514	0.8537	3.6007	1.6929	1.3968	0.4263	1.1507	0.2042	15.0768

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0354	0.0054	0.0227	0.0221	0.0212	0.0067	-	-	0.1135
15 mph	0.0311	0.0047	0.0198	0.0193	0.0186	0.0058	-	-	0.0993
20 mph	0.0279	0.0042	0.0177	0.0172	0.0170	0.0053	0.0984	0.0171	0.2047
25 mph	0.0508	0.0075	0.0319	0.0311	0.0313	0.0097	0.1563	0.0273	0.3458
30 mph	0.0940	0.0138	0.0586	0.0574	0.0588	0.0180	0.2464	0.0437	0.5909
35 mph	0.1990	0.0292	0.1232	0.1214	0.1267	0.0385	0.2306	0.0414	0.9099
40 mph	0.2110	0.0310	0.1306	0.1289	0.1360	0.0410	0.2023	0.0364	0.9172
45 mph	0.1636	0.0241	0.1014	0.1003	0.1065	0.0319	0.1420	0.0257	0.6955
50 mph	0.1819	0.0272	0.1130	0.1121	0.1196	0.0354	0.0702	0.0127	0.6720
55 mph	0.1024	0.0155	0.0642	0.0637	0.0678	0.0200	0.0356	0.0064	0.3756
60 mph	0.0639	0.0099	0.0405	0.0401	0.0421	0.0124	2.5772	0.4658	3.2520
65 mph	0.0223	0.0035	0.0142	0.0141	0.0148	0.0043	-	-	0.0732
70 mph	1.0683	0.1788	0.6592	0.6913	0.7618	0.2042	-	-	3.5636
total	2.2516	0.3546	1.3969	1.4191	1.5223	0.4333	3.7590	0.6765	11.8133

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1304	0.0387	0.1183	0.0153	0.3027
15 mph	0.2979	0.0448	0.1896	0.0646	0.0533	0.0168	0.0488	0.0085	0.7243
25 mph	-	-	-	-	0.0852	0.0263	0.1751	0.0306	0.3173
35 mph	0.9111	0.1336	0.5642	0.1790	-	-	-	-	1.7879
total	1.2091	0.1783	0.7538	0.2436	0.2689	0.0818	0.3422	0.0544	3.1322

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1304	0.0387	0.1183	0.0153	0.3027
10 mph	0.4633	0.0707	0.2969	0.1502	0.1202	0.0379	0.1022	0.0178	1.2592
15 mph	0.4795	0.0721	0.3051	0.1285	0.1067	0.0335	0.0790	0.0137	1.2180
20 mph	0.2980	0.0443	0.1885	0.0968	0.0807	0.0251	0.1529	0.0265	0.9129
25 mph	1.2789	0.1886	0.8024	0.3913	0.4085	0.1262	0.6038	0.1057	3.9053
30 mph	1.3448	0.1973	0.8381	0.4232	0.3607	0.1106	0.4743	0.0841	3.8330
35 mph	2.0723	0.3038	1.2833	0.5815	0.3631	0.1103	0.3266	0.0586	5.0994
40 mph	0.5172	0.0759	0.3200	0.2185	0.2121	0.0640	0.3043	0.0547	1.7668
45 mph	0.4108	0.0606	0.2548	0.1728	0.1685	0.0504	0.2208	0.0400	1.3787
50 mph	0.4263	0.0636	0.2648	0.1842	0.1815	0.0538	0.1967	0.0357	1.4065
55 mph	0.3004	0.0455	0.1884	0.1227	0.1184	0.0349	0.0652	0.0118	0.8873
60 mph	0.4761	0.0734	0.3016	0.1641	0.1469	0.0434	2.6079	0.4714	4.2847
65 mph	0.0761	0.0120	0.0484	0.0305	0.0286	0.0084	-	-	0.2040
70 mph	1.0683	0.1788	0.6592	0.6913	0.7618	0.2042	-	-	3.5636
total	9.2120	1.3867	5.7514	3.3556	3.1880	0.9414	5.2520	0.9352	30.0222

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0085	0.0001	0.0058	0.0038	0.4457	0.3018	13.7471	54.4177	68.9305
15 mph	0.0024	0.0000	0.0016	0.0010	0.1448	0.0991	3.2134	12.1393	15.6016
20 mph	0.0035	0.0000	0.0021	0.0014	0.2723	0.1848	5.1012	17.0752	22.6406
25 mph	0.0143	0.0002	0.0080	0.0058	1.3119	0.8887	21.9003	77.9960	102.1252
30 mph	0.0139	0.0002	0.0074	0.0056	1.4900	1.0011	14.9055	53.1542	70.5779
35 mph	0.0104	0.0002	0.0053	0.0042	1.3030	0.8626	4.9088	18.0071	25.1017
40 mph	0.0033	0.0001	0.0016	0.0013	0.4576	0.3006	3.9602	14.6206	19.3451
45 mph	0.0026	0.0001	0.0012	0.0010	0.3966	0.2597	2.3784	8.8585	11.8982
50 mph	0.0026	0.0001	0.0011	0.0010	0.4184	0.2735	3.2566	11.7987	15.7519
55 mph	0.0020	0.0000	0.0008	0.0008	0.3360	0.2208	0.7644	2.7847	4.1096
60 mph	0.0040	0.0001	0.0016	0.0015	0.6846	0.4492	0.9300	3.3428	5.4139
65 mph	0.0005	0.0000	0.0002	0.0002	0.0959	0.0625	-	-	0.1593
70 mph	-	-	-	-	-	-	-	-	-
total	0.0680	0.0011	0.0369	0.0278	7.3566	4.9045	75.0659	274.1947	361.6555

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0005	0.0007	0.0956	0.0647	-	-	0.1621
15 mph	0.0005	0.0000	0.0003	0.0005	0.0776	0.0531	-	-	0.1320
20 mph	0.0004	0.0000	0.0002	0.0003	0.0730	0.0495	9.1962	30.7823	40.1020
25 mph	0.0006	0.0000	0.0003	0.0005	0.1407	0.0953	12.5621	44.7388	57.5382
30 mph	0.0010	0.0000	0.0006	0.0009	0.2905	0.1951	16.1226	57.4943	74.1050
35 mph	0.0022	0.0000	0.0011	0.0018	0.6985	0.4625	11.7993	43.2831	56.2484
40 mph	0.0023	0.0000	0.0011	0.0019	0.8177	0.5371	7.8533	28.9930	38.2062
45 mph	0.0017	0.0000	0.0008	0.0014	0.6803	0.4456	4.2877	15.9698	21.3873
50 mph	0.0019	0.0000	0.0008	0.0016	0.8075	0.5278	1.8064	6.5447	9.6907
55 mph	0.0010	0.0000	0.0004	0.0008	0.4503	0.2960	0.9187	3.3468	5.0141
60 mph	0.0006	0.0000	0.0003	0.0005	0.2753	0.1806	78.2372	281.2206	359.9151
65 mph	0.0002	0.0000	0.0001	0.0002	0.1028	0.0670	-	-	0.1703
70 mph	0.0102	0.0002	0.0041	0.0094	9.0742	5.4487	-	-	14.5469
total	0.0234	0.0005	0.0106	0.0204	13.5838	8.4231	142.7834	512.3733	677.2184

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.9198	2.6674	9.3496	15.1076	31.0444
15 mph	0.0048	0.0000	0.0031	0.0015	0.2225	0.1523	5.1916	19.6126	25.1886
25 mph	-	-	-	-	0.3830	0.2594	14.0758	50.1297	64.8479
35 mph	0.0099	0.0002	0.0050	0.0027	-	-	-	-	0.0177
total	0.0146	0.0002	0.0081	0.0042	4.5252	3.0792	28.6170	84.8500	121.0987

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.9198	2.6674	9.3496	15.1076	31.0444
10 mph	0.0092	0.0001	0.0063	0.0044	0.5413	0.3665	13.7471	54.4177	69.0926
15 mph	0.0077	0.0001	0.0050	0.0030	0.4448	0.3046	8.4050	31.7520	40.9222
20 mph	0.0038	0.0000	0.0023	0.0018	0.3453	0.2344	14.2974	47.8575	62.7425
25 mph	0.0149	0.0002	0.0084	0.0063	1.8355	1.2434	48.5382	172.8645	224.5113
30 mph	0.0150	0.0003	0.0080	0.0065	1.7804	1.1962	31.0281	110.6485	144.6829
35 mph	0.0224	0.0004	0.0114	0.0087	2.0015	1.3251	16.7081	61.2902	81.3678
40 mph	0.0055	0.0001	0.0027	0.0032	1.2752	0.8376	11.8135	43.6135	57.5514
45 mph	0.0044	0.0001	0.0020	0.0025	1.0768	0.7053	6.6661	24.8283	33.2855
50 mph	0.0045	0.0001	0.0020	0.0026	1.2259	0.8013	5.0630	18.3433	25.4426
55 mph	0.0030	0.0001	0.0013	0.0016	0.7863	0.5168	1.6831	6.1315	9.1237
60 mph	0.0047	0.0001	0.0019	0.0020	0.9599	0.6299	79.1672	284.5634	365.3290
65 mph	0.0007	0.0000	0.0003	0.0004	0.1988	0.1295	-	-	0.3296
70 mph	0.0102	0.0002	0.0041	0.0094	9.0742	5.4487	-	-	14.5469
total	0.1060	0.0018	0.0556	0.0524	25.4657	16.4068	246.4663	871.4180	1,159.9726

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.7684	0.7684
15 mph								0.1884	0.1884
20 mph								0.2906	0.2906
25 mph								1.3412	1.3412
30 mph								1.0798	1.0798
35 mph								0.4414	0.4414
40 mph								0.4540	0.4540
45 mph								0.3415	0.3415
50 mph								0.5288	0.5288
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.4341	5.4341

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.5238	0.5238
25 mph								0.7693	0.7693
30 mph								1.1679	1.1679
35 mph								1.0610	1.0610
40 mph								0.9004	0.9004
45 mph								0.6156	0.6156
50 mph								0.2933	0.2933
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.5221	3.5221

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.0949	1.0949
15 mph								0.3044	0.3044
25 mph								0.8620	0.8620
35 mph								-	-
total	-	-	-	-	-	-	-	2.2613	2.2613

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.0949	1.0949
10 mph								0.7684	0.7684
15 mph								0.4928	0.4928
20 mph								0.8144	0.8144
25 mph								2.9724	2.9724
30 mph								2.2477	2.2477
35 mph								1.5025	1.5025
40 mph								1.3544	1.3544
45 mph								0.9570	0.9570
50 mph								0.8221	0.8221
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	13.0267	13.0267

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	4.0501	2.7061	9.4679	16.2179	32.4420
10 mph	0.4725	0.0708	0.3032	0.1547	0.6614	0.4044	13.8493	55.2039	71.1202
15 mph	0.4872	0.0721	0.3101	0.1315	0.5515	0.3381	8.4841	32.2585	42.6330
20 mph	0.3018	0.0444	0.1908	0.0986	0.4260	0.2595	14.4503	48.6985	64.4699
25 mph	1.2937	0.1888	0.8107	0.3976	2.2440	1.3697	49.1419	175.9426	231.3890
30 mph	1.3598	0.1976	0.8460	0.4297	2.1412	1.3068	31.5024	112.9803	150.7637
35 mph	2.0948	0.3042	1.2947	0.5902	2.3646	1.4354	17.0347	62.8512	87.9697
40 mph	0.5228	0.0761	0.3227	0.2217	1.4874	0.9016	12.1178	45.0226	60.6726
45 mph	0.4151	0.0607	0.2568	0.1753	1.2454	0.7558	6.8869	25.8253	35.6213
50 mph	0.4307	0.0637	0.2668	0.1868	1.4074	0.8550	5.2597	19.2012	27.6713
55 mph	0.3034	0.0456	0.1897	0.1243	0.9046	0.5517	1.7483	6.1433	10.0110
60 mph	0.4808	0.0735	0.3035	0.1661	1.1068	0.6733	81.7751	285.0347	369.6137
65 mph	0.0769	0.0120	0.0487	0.0309	0.2274	0.1379	-	-	0.5336
70 mph	1.0785	0.1790	0.6633	0.7007	9.8360	5.6529	-	-	18.1105
STREX	0.9797	0.0912	0.4625	0.8840	0.5712	0.1732	9.9394	20.1563	33.2573
total	10.2977	1.4796	6.2695	4.2920	29.2249	17.5213	261.6577	905.5362	**1,236.2788**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1272	0.1552	0.1598	0.1835	0.3657	0.3784	0.3268	0.1097
Diesel	-	-	-	-	-	-	2.1568	2.4553
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.9797	0.0912	0.4625	0.8840	0.5712	0.1732	0.2492	0.0007
Diesel	-	-	-	-	-	-	9.6902	20.1556
Electric/NG	-	-	-	-	-	-	-	-
Total	0.9797	0.0912	0.4625	0.8840	0.5712	0.1732	9.9394	20.1563

World Logistics Center
Mobile Emissions - 2032 (Net) - Unmitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					154.8536	155.0131	387.5808	273.9545
10 mph	0.7567	1.0761	0.9908	1.0455	0.5061	0.3695	0.7077	49.7809
15 mph	0.6898	0.9713	0.9007	0.9484	0.4282	0.3273	0.6443	45.2283
20 mph	0.6315	0.8838	0.8228	0.8660	0.3778	0.2947	0.5907	41.2969
25 mph	0.5790	0.8057	0.7522	0.7919	0.3345	0.2656	0.5362	37.8061
30 mph	0.5324	0.7380	0.6899	0.7271	0.3019	0.2414	0.4867	34.7155
35 mph	0.4913	0.6797	0.6349	0.6705	0.2782	0.2217	0.4452	32.0114
40 mph	0.4555	0.6304	0.5885	0.6219	0.2610	0.2064	0.4139	29.6951
45 mph	0.4249	0.5884	0.5489	0.5802	0.2484	0.1934	0.3832	27.6213
50 mph	0.3962	0.5511	0.5117	0.5419	0.2403	0.1822	0.3581	25.7701
55 mph	0.3686	0.5153	0.4767	0.5055	0.2387	0.1746	0.3384	24.1239
60 mph	0.3376	0.4754	0.4377	0.4649	0.2412	0.1688	0.3194	22.6108
65 mph	0.3125	0.4447	0.4059	0.4325	0.2567	0.1683		
70 mph	0.3050	0.4539	0.3926	0.4254	0.2588	0.1493		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	20.8222	34.7788
10 mph	2.1010	2.2461	1.9431	2.3161	2.4021	2.4318	0.4902	1.3227
15 mph	1.0284	1.2726	0.9494	1.1315	1.2027	1.2168	0.2658	0.7233
20 mph	0.4046	0.6952	0.3702	0.4423	0.5114	0.5164	0.1777	0.4501
25 mph	0.2451	0.5047	0.2226	0.2672	0.3254	0.3282	0.1358	0.3576
30 mph	0.1862	0.4158	0.1683	0.2029	0.2558	0.2575	0.1043	0.2748
35 mph	0.1490	0.3609	0.1340	0.1624	0.2144	0.2149	0.0787	0.2065
40 mph	0.1236	0.3331	0.1107	0.1344	0.1874	0.1871	0.0591	0.1557
45 mph	0.1056	0.3244	0.0939	0.1143	0.1700	0.1692	0.0454	0.1200
50 mph	0.0926	0.3311	0.0814	0.0997	0.1617	0.1604	0.0376	0.0994
55 mph	0.0827	0.3598	0.0719	0.0884	0.1572	0.1557	0.0359	0.0959
60 mph	0.0796	0.4148	0.0681	0.0842	0.1655	0.1634	0.0400	0.1063
65 mph	0.0814	0.4974	0.0686	0.0859	0.1975	0.1935		
70 mph	0.0845	0.5267	0.0695	0.0907	0.3415	0.3143		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								33.8895
10 mph								35.6601
15 mph								25.1103
20 mph								18.1626
25 mph								13.3122
30 mph								9.8129
35 mph								7.2342
40 mph								5.3339
45 mph								3.9337
50 mph								2.9022
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	9.9425	1.0785	4.8930	2.0704	0.4437	0.0949	0.3146	0.1859	19.0235
15 mph	3.6255	0.3893	1.7792	0.7512	0.1501	0.0336	0.0955	0.0563	6.8808
20 mph	6.6386	0.7086	3.2508	1.3720	0.2650	0.0606	0.1751	0.1028	12.5733
25 mph	30.4304	3.2296	14.8596	6.2730	1.1731	0.2729	0.8740	0.5177	57.6304
30 mph	30.7832	3.2541	14.9911	6.3358	1.1647	0.2727	0.7212	0.4322	57.9550
35 mph	23.2406	2.4521	11.2873	4.7800	0.8778	0.2050	0.2968	0.1793	43.3189
40 mph	7.1827	0.7581	3.4878	1.4777	0.2746	0.0636	0.3066	0.1848	13.7359
45 mph	5.5836	0.5897	2.7110	1.1490	0.2178	0.0497	0.2271	0.1375	10.6653
50 mph	5.2057	0.5523	2.5271	1.0730	0.2107	0.0468	0.3449	0.2085	10.1689
55 mph	3.8741	0.4131	1.8833	0.8009	0.1674	0.0359	0.0752	0.0450	7.2949
60 mph	7.0969	0.7624	3.4584	1.4731	0.3383	0.0694	0.0710	0.0422	13.3117
65 mph	0.8213	0.0891	0.4009	0.1713	0.0450	0.0086	-	-	1.5363
70 mph	-	-	-	-	-	-	-	-	-
total	134.4252	14.2768	65.5293	27.7275	5.3280	1.2136	3.5019	2.0924	254.0948

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.8223	0.0892	0.4047	0.3576	0.0951	0.0203	-	-	1.7893
15 mph	0.7496	0.0805	0.3679	0.3244	0.0805	0.0180	-	-	1.6209
20 mph	0.6863	0.0733	0.3361	0.2962	0.0710	0.0162	0.3156	0.1854	1.9801
25 mph	1.2584	0.1336	0.6145	0.5418	0.1258	0.0293	0.5013	0.2970	3.5015
30 mph	2.3145	0.2447	1.1271	0.9949	0.2270	0.0532	0.7801	0.4675	6.2089
35 mph	4.8053	0.5070	2.3338	2.0641	0.4706	0.1099	0.7134	0.4310	11.4352
40 mph	4.9504	0.5225	2.4038	2.1271	0.4906	0.1136	0.6080	0.3665	11.5826
45 mph	3.6943	0.3902	1.7937	1.5877	0.3736	0.0852	0.4094	0.2480	8.5821
50 mph	3.8748	0.4111	1.8810	1.6681	0.4066	0.0903	0.1913	0.1157	8.6389
55 mph	2.0026	0.2135	0.9735	0.8646	0.2243	0.0481	0.0904	0.0541	4.4711
60 mph	1.1005	0.1182	0.5363	0.4771	0.1360	0.0279	5.9723	3.5521	11.9204
65 mph	0.3396	0.0369	0.1658	0.1480	0.0482	0.0093	-	-	0.7477
70 mph	15.2448	1.7304	7.3758	6.6940	2.2380	0.3781	-	-	33.6612
total	41.8436	4.5510	20.3140	18.1455	4.9874	0.9995	9.5818	5.7172	106.1400

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	16.6234	4.8750	19.0333	0.1544	40.6861
15 mph	7.1808	0.7712	3.5239	1.0888	0.2308	0.0517	0.1542	0.0910	13.0924
25 mph	-	-	-	-	0.3425	0.0797	0.5617	0.3327	1.3166
35 mph	22.0063	2.3218	10.6878	3.0436	-	-	-	-	38.0595
total	29.1871	3.0930	14.2118	4.1324	17.1966	5.0063	19.7492	0.5782	93.1546

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	16.6234	4.8750	19.0333	0.1544	40.6861
10 mph	10.7648	1.1677	5.2977	2.4280	0.5388	0.1152	0.3146	0.1859	20.8128
15 mph	11.5559	1.2410	5.6710	2.1644	0.4614	0.1033	0.2497	0.1473	21.5941
20 mph	7.3249	0.7819	3.5868	1.6682	0.3360	0.0768	0.4907	0.2882	14.5534
25 mph	31.6888	3.3632	15.4741	6.8148	1.6413	0.3818	1.9370	1.1474	62.4485
30 mph	33.0977	3.4987	16.1183	7.3307	1.3917	0.3259	1.5013	0.8996	64.1639
35 mph	50.0522	5.2809	24.3089	9.8877	1.3485	0.3148	1.0103	0.6104	92.8137
40 mph	12.1331	1.2806	5.8916	3.6048	0.7652	0.1772	0.9146	0.5514	25.3185
45 mph	9.2779	0.9798	4.5047	2.7367	0.5913	0.1349	0.6365	0.3855	19.2474
50 mph	9.0805	0.9633	4.4081	2.7411	0.6172	0.1371	0.5362	0.3242	18.8079
55 mph	5.8767	0.6266	2.8567	1.6655	0.3917	0.0840	0.1656	0.0992	11.7660
60 mph	8.1975	0.8806	3.9947	1.9502	0.4743	0.0973	6.0432	3.5943	25.2321
65 mph	1.1610	0.1260	0.5667	0.3193	0.0932	0.0179	-	-	2.2841
70 mph	15.2448	1.7304	7.3758	6.6940	2.2380	0.3781	-	-	33.6612
total	205.4559	21.9208	100.0551	50.0054	27.5120	7.2194	32.8330	8.3878	453.3895

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.3159	0.0004	0.0901	0.1477	2.0854	1.4154	1.2842	6.3312	11.6704
15 mph	0.0619	0.0001	0.0176	0.0289	0.4177	0.2833	0.2321	1.1540	2.1955
20 mph	0.0487	0.0001	0.0137	0.0226	0.3552	0.2405	0.3103	1.4363	2.4273
25 mph	0.1474	0.0003	0.0413	0.0682	1.1301	0.7641	1.3046	6.2766	9.7327
30 mph	0.1232	0.0003	0.0344	0.0569	0.9773	0.6594	0.9106	4.3846	7.1467
35 mph	0.0806	0.0002	0.0224	0.0373	0.6702	0.4503	0.3093	1.4829	3.0532
40 mph	0.0223	0.0001	0.0062	0.0103	0.1952	0.1306	0.2578	1.2422	1.8647
45 mph	0.0159	0.0001	0.0044	0.0073	0.1476	0.0985	0.1584	0.7660	1.1981
50 mph	0.0139	0.0001	0.0038	0.0064	0.1404	0.0934	0.2137	1.0312	1.5028
55 mph	0.0100	0.0000	0.0027	0.0045	0.1092	0.0725	0.0470	0.2296	0.4755
60 mph	0.0192	0.0001	0.0051	0.0086	0.2299	0.1522	0.0525	0.2545	0.7219
65 mph	0.0024	0.0000	0.0006	0.0011	0.0343	0.0225	-	-	0.0610
70 mph	-	-	-	-	-	-	-	-	-
total	0.8614	0.0016	0.2422	0.3997	6.4925	4.3827	5.0806	24.5891	42.0498

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0261	0.0000	0.0075	0.0255	0.4472	0.3035	-	-	0.8098
15 mph	0.0128	0.0000	0.0036	0.0125	0.2239	0.1519	-	-	0.4047
20 mph	0.0050	0.0000	0.0014	0.0049	0.0952	0.0645	0.5594	2.5893	3.3197
25 mph	0.0061	0.0000	0.0017	0.0059	0.1212	0.0819	0.7484	3.6003	4.5654
30 mph	0.0093	0.0000	0.0026	0.0089	0.1905	0.1286	0.9850	4.7426	6.0674
35 mph	0.0167	0.0000	0.0046	0.0161	0.3593	0.2414	0.7433	3.5645	4.9459
40 mph	0.0154	0.0000	0.0042	0.0148	0.3488	0.2335	0.5113	2.4634	3.5914
45 mph	0.0105	0.0000	0.0029	0.0101	0.2532	0.1689	0.2856	1.3810	2.1122
50 mph	0.0104	0.0000	0.0028	0.0099	0.2710	0.1802	0.1185	0.5720	1.1648
55 mph	0.0051	0.0000	0.0014	0.0049	0.1463	0.0972	0.0565	0.2760	0.5874
60 mph	0.0030	0.0000	0.0008	0.0028	0.0925	0.0612	4.4132	21.4078	25.9812
65 mph	0.0010	0.0000	0.0003	0.0009	0.0368	0.0242	-	-	0.0631
70 mph	0.0483	0.0003	0.0123	0.0460	2.9242	1.8045	-	-	4.8356
total	0.1697	0.0006	0.0461	0.1632	5.5099	3.5413	8.4212	40.5967	58.4486

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.7961	1.8746	6.0262	18.3910	29.0878
15 mph	0.1225	0.0002	0.0349	0.0418	0.6420	0.4354	0.3750	1.8645	3.5163
25 mph	-	-	-	-	0.3299	0.2231	0.8385	4.0341	5.4256
35 mph	0.0764	0.0002	0.0212	0.0237	-	-	-	-	0.1215
total	0.1989	0.0003	0.0561	0.0656	3.7680	2.5331	7.2397	24.2896	38.1512

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.7961	1.8746	6.0262	18.3910	29.0878
10 mph	0.3421	0.0004	0.0976	0.1733	2.5326	1.7189	1.2842	6.3312	12.4802
15 mph	0.1972	0.0003	0.0562	0.0832	1.2836	0.8706	0.6071	3.0185	6.1165
20 mph	0.0537	0.0001	0.0152	0.0274	0.4504	0.3049	0.8697	4.0256	5.7470
25 mph	0.1535	0.0003	0.0430	0.0741	1.5812	1.0691	2.8915	13.9110	19.7238
30 mph	0.1324	0.0003	0.0369	0.0659	1.1678	0.7880	1.8956	9.1271	13.2142
35 mph	0.1737	0.0004	0.0482	0.0771	1.0295	0.6916	1.0526	5.0474	8.1206
40 mph	0.0377	0.0001	0.0104	0.0251	0.5440	0.3641	0.7692	3.7056	5.4561
45 mph	0.0264	0.0001	0.0072	0.0174	0.4007	0.2674	0.4440	2.1470	3.3103
50 mph	0.0243	0.0001	0.0066	0.0162	0.4114	0.2736	0.3322	1.6032	2.6675
55 mph	0.0151	0.0001	0.0040	0.0094	0.2554	0.1697	0.1035	0.5056	1.0629
60 mph	0.0221	0.0001	0.0058	0.0114	0.3224	0.2134	4.4657	21.6622	26.7031
65 mph	0.0035	0.0000	0.0009	0.0020	0.0710	0.0467	-	-	0.1241
70 mph	0.0483	0.0003	0.0123	0.0460	2.9242	1.8045	-	-	4.8356
total	1.2299	0.0026	0.3444	0.6285	15.7703	10.4570	20.7415	89.4754	138.6496

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								11.3788	11.3788
15 mph								2.6708	2.6708
20 mph								3.8637	3.8637
25 mph								15.5753	15.5753
30 mph								10.4374	10.4374
35 mph								3.4625	3.4625
40 mph								2.8367	2.8367
45 mph								1.6736	1.6736
50 mph								2.0065	2.0065
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	53.9053	53.9053

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								6.9653	6.9653
25 mph								8.9341	8.9341
30 mph								11.2896	11.2896
35 mph								8.3228	8.3228
40 mph								5.6252	5.6252
45 mph								3.0171	3.0171
50 mph								1.1130	1.1130
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	35.5117	35.5117

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.1947	1.1947
15 mph								4.3151	4.3151
25 mph								10.0106	10.0106
35 mph								-	-
total	-	-	-	-	-	-	-	15.5203	15.5203

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.1947	1.1947
10 mph								11.3788	11.3788
15 mph								6.9859	6.9859
20 mph								10.8289	10.8289
25 mph								34.5200	34.5200
30 mph								21.7270	21.7270
35 mph								11.7853	11.7853
40 mph								8.4619	8.4619
45 mph								4.6908	4.6908
50 mph								3.1194	3.1194
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	114.6927	114.6927

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	19.4194	6.7495	25.0594	19.7401	70.9686
10 mph	11.1069	1.1680	5.3953	2.6013	3.0714	1.8341	1.5988	17.8959	44.6718
15 mph	11.7531	1.2413	5.7272	2.2476	1.7450	0.9739	0.8568	10.1517	34.6965
20 mph	7.3786	0.7820	3.6020	1.6956	0.7864	0.3817	1.3603	15.1427	31.1293
25 mph	31.8424	3.3635	15.5171	6.8888	3.2225	1.4509	4.8286	49.5784	116.6922
30 mph	33.2301	3.4990	16.1552	7.3965	2.5595	1.1139	3.3969	31.7538	99.1050
35 mph	50.2259	5.2813	24.3571	9.9648	2.3779	1.0065	2.0628	17.4431	112.7196
40 mph	12.1708	1.2807	5.9020	3.6299	1.3091	0.5414	1.6838	12.7188	39.2365
45 mph	9.3043	0.9799	4.5119	2.7541	0.9921	0.4023	1.0805	7.2233	27.2484
50 mph	9.1048	0.9634	4.4147	2.7573	1.0286	0.4107	0.8684	5.0468	24.5948
55 mph	5.8918	0.6267	2.8608	1.6748	0.6472	0.2537	0.2691	0.6048	12.8289
60 mph	8.2196	0.8807	4.0005	1.9616	0.7967	0.3106	10.5089	25.2565	51.9352
65 mph	1.1644	0.1260	0.5676	0.3213	0.1643	0.0646	-	-	2.4082
70 mph	15.2932	1.7308	7.3881	6.7399	5.1622	2.1826	-	-	38.4968
STREX	12.5449	1.0083	6.0733	10.7785	2.2960	0.6539	2.4588	0.0316	35.8454
total	219.2308	22.9317	106.4727	61.4124	45.5784	18.3304	56.0333	212.5875	**742.5771**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.6293	1.7170	2.0987	2.2368	1.4700	1.4292	3.2254	4.9389
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	12.5449	1.0083	6.0733	10.7785	2.2960	0.6539	2.4588	0.0316
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	12.5449	1.0083	6.0733	10.7785	2.2960	0.6539	2.4588	0.0316

World Logistics Center
Mobile Emissions - 2032 (Net) - Unmitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0510	0.0510	0.1287	0.1977
10 mph	0.0041	0.0048	0.0049	0.0060	0.0134	0.0154	0.0274	0.0322
15 mph	0.0034	0.0039	0.0040	0.0049	0.0109	0.0126	0.0224	0.0264
20 mph	0.0028	0.0033	0.0033	0.0041	0.0091	0.0105	0.0186	0.0220
25 mph	0.0024	0.0028	0.0028	0.0035	0.0078	0.0089	0.0159	0.0188
30 mph	0.0021	0.0025	0.0025	0.0031	0.0069	0.0079	0.0142	0.0167
35 mph	0.0020	0.0023	0.0023	0.0029	0.0064	0.0074	0.0131	0.0155
40 mph	0.0019	0.0022	0.0023	0.0028	0.0062	0.0071	0.0127	0.0150
45 mph	0.0019	0.0022	0.0023	0.0028	0.0062	0.0071	0.0128	0.0150
50 mph	0.0020	0.0023	0.0023	0.0029	0.0064	0.0074	0.0131	0.0154
55 mph	0.0020	0.0024	0.0024	0.0030	0.0066	0.0077	0.0137	0.0160
60 mph	0.0021	0.0025	0.0025	0.0031	0.0069	0.0080	0.0142	0.0166
65 mph	0.0022	0.0025	0.0026	0.0032	0.0071	0.0082		
70 mph	0.0022	0.0026	0.0026	0.0032	0.0072	0.0083		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0318	0.0514	0.0532	0.0475
10 mph	0.0033	0.0070	0.0045	0.0055	0.0082	0.0092	0.0160	0.0246
15 mph	0.0027	0.0058	0.0037	0.0047	0.0054	0.0061	0.0126	0.0184
20 mph	0.0022	0.0047	0.0030	0.0039	0.0046	0.0052	0.0108	0.0156
25 mph	0.0019	0.0040	0.0025	0.0033	0.0041	0.0047	0.0094	0.0131
30 mph	0.0016	0.0034	0.0022	0.0029	0.0037	0.0042	0.0082	0.0115
35 mph	0.0015	0.0031	0.0020	0.0026	0.0037	0.0042	0.0074	0.0104
40 mph	0.0014	0.0028	0.0019	0.0024	0.0036	0.0041	0.0068	0.0095
45 mph	0.0013	0.0027	0.0018	0.0023	0.0035	0.0039	0.0064	0.0090
50 mph	0.0013	0.0027	0.0018	0.0024	0.0037	0.0041	0.0063	0.0088
55 mph	0.0014	0.0029	0.0019	0.0025	0.0038	0.0042	0.0065	0.0091
60 mph	0.0015	0.0031	0.0020	0.0027	0.0039	0.0042	0.0069	0.0097
65 mph	0.0017	0.0035	0.0023	0.0030	0.0039	0.0042		
70 mph	0.0019	0.0036	0.0024	0.0033	0.0040	0.0043		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0089	0.0053	0.0217	0.0252	0.0611
10 mph	0.0590	0.0052	0.0263	0.0143	0.0229	0.0113	0.0541	0.1180	0.3112
15 mph	0.0568	0.0050	0.0253	0.0115	0.0175	0.0084	0.0375	0.0771	0.2390
20 mph	0.0327	0.0029	0.0146	0.0081	0.0121	0.0058	0.0682	0.1399	0.2842
25 mph	0.1318	0.0117	0.0588	0.0309	0.0578	0.0280	0.2575	0.5105	1.0871
30 mph	0.1329	0.0118	0.0593	0.0321	0.0486	0.0236	0.1936	0.3825	0.8843
35 mph	0.2019	0.0179	0.0901	0.0436	0.0487	0.0240	0.1284	0.2552	0.8098
40 mph	0.0511	0.0045	0.0228	0.0166	0.0286	0.0140	0.1160	0.2273	0.4810
45 mph	0.0421	0.0037	0.0188	0.0136	0.0231	0.0112	0.0839	0.1619	0.3581
50 mph	0.0455	0.0040	0.0203	0.0150	0.0258	0.0125	0.0754	0.1422	0.3407
55 mph	0.0329	0.0029	0.0147	0.0101	0.0172	0.0082	0.0254	0.0482	0.1596
60 mph	0.0516	0.0046	0.0231	0.0133	0.0212	0.0101	1.0428	1.9752	3.1418
65 mph	0.0081	0.0007	0.0036	0.0024	0.0040	0.0019	-	-	0.0208
70 mph	0.1105	0.0098	0.0493	0.0528	0.0968	0.0457	-	-	0.3649
STREX	0.0034	0.0003	0.0015	0.0031	0.0003	0.0001	0.0002	0.0000	0.0089
total	0.9602	0.0853	0.4283	0.2675	0.4332	0.2100	2.1048	4.0631	**8.5525**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0004	0.0005	0.0005	0.0007	0.0002	0.0002	0.0003	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0034	0.0003	0.0015	0.0031	0.0003	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0034	0.0003	0.0015	0.0031	0.0003	0.0001	0.0002	0.0000

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0540	0.0048	0.0241	0.0119	0.0117	0.0040	0.0122	0.0001	0.1227
15 mph	0.0176	0.0016	0.0079	0.0039	0.0038	0.0013	0.0033	0.0000	0.0394
20 mph	0.0293	0.0026	0.0131	0.0065	0.0064	0.0021	0.0055	0.0001	0.0656
25 mph	0.1255	0.0112	0.0560	0.0276	0.0272	0.0092	0.0260	0.0003	0.2829
30 mph	0.1225	0.0110	0.0547	0.0270	0.0266	0.0090	0.0210	0.0002	0.2718
35 mph	0.0929	0.0083	0.0415	0.0205	0.0201	0.0068	0.0088	0.0001	0.1990
40 mph	0.0300	0.0027	0.0134	0.0066	0.0065	0.0022	0.0094	0.0001	0.0709
45 mph	0.0251	0.0023	0.0112	0.0055	0.0054	0.0018	0.0076	0.0001	0.0591
50 mph	0.0259	0.0023	0.0115	0.0057	0.0056	0.0019	0.0127	0.0001	0.0657
55 mph	0.0215	0.0019	0.0096	0.0047	0.0047	0.0016	0.0030	0.0000	0.0471
60 mph	0.0443	0.0040	0.0198	0.0098	0.0097	0.0033	0.0032	0.0000	0.0941
65 mph	0.0057	0.0005	0.0025	0.0013	0.0012	0.0004	-	-	0.0117
70 mph	-	-	-	-	-	-	-	-	-
total	0.5944	0.0532	0.2653	0.1309	0.1289	0.0435	0.1126	0.0011	1.3300

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0045	0.0004	0.0020	0.0021	0.0025	0.0008	-	-	0.0123
15 mph	0.0036	0.0003	0.0016	0.0017	0.0021	0.0007	-	-	0.0100
20 mph	0.0030	0.0003	0.0014	0.0014	0.0017	0.0006	0.0100	0.0001	0.0184
25 mph	0.0052	0.0005	0.0023	0.0024	0.0029	0.0010	0.0149	0.0001	0.0293
30 mph	0.0092	0.0008	0.0041	0.0042	0.0052	0.0017	0.0227	0.0002	0.0482
35 mph	0.0192	0.0017	0.0086	0.0088	0.0108	0.0036	0.0211	0.0002	0.0741
40 mph	0.0207	0.0019	0.0092	0.0095	0.0116	0.0039	0.0187	0.0002	0.0757
45 mph	0.0166	0.0015	0.0074	0.0077	0.0093	0.0031	0.0136	0.0001	0.0595
50 mph	0.0193	0.0017	0.0086	0.0089	0.0108	0.0036	0.0070	0.0001	0.0600
55 mph	0.0111	0.0010	0.0050	0.0051	0.0062	0.0021	0.0036	0.0000	0.0342
60 mph	0.0069	0.0006	0.0031	0.0032	0.0039	0.0013	0.2656	0.0026	0.2872
65 mph	0.0023	0.0002	0.0011	0.0011	0.0013	0.0005	-	-	0.0065
70 mph	0.1095	0.0098	0.0489	0.0511	0.0624	0.0210	-	-	0.3027
total	0.2312	0.0207	0.1032	0.1072	0.1308	0.0441	0.3773	0.0037	1.0181

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0055	0.0016	0.0063	0.0001	0.0135
15 mph	0.0349	0.0031	0.0156	0.0056	0.0059	0.0020	0.0054	0.0001	0.0726
25 mph	-	-	-	-	0.0079	0.0027	0.0167	0.0002	0.0275
35 mph	0.0880	0.0079	0.0393	0.0130	-	-	-	-	0.1482
total	0.1230	0.0110	0.0549	0.0187	0.0193	0.0063	0.0284	0.0003	0.2618

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0055	0.0016	0.0063	0.0001	0.0135
10 mph	0.0584	0.0052	0.0261	0.0139	0.0142	0.0048	0.0122	0.0001	0.1350
15 mph	0.0562	0.0050	0.0251	0.0112	0.0118	0.0040	0.0087	0.0001	0.1220
20 mph	0.0324	0.0029	0.0144	0.0078	0.0081	0.0027	0.0155	0.0002	0.0840
25 mph	0.1306	0.0117	0.0583	0.0300	0.0380	0.0128	0.0576	0.0006	0.3397
30 mph	0.1317	0.0118	0.0588	0.0312	0.0317	0.0107	0.0437	0.0004	0.3200
35 mph	0.2002	0.0179	0.0893	0.0424	0.0310	0.0104	0.0298	0.0003	0.4213
40 mph	0.0507	0.0045	0.0226	0.0161	0.0181	0.0061	0.0281	0.0003	0.1466
45 mph	0.0418	0.0037	0.0186	0.0132	0.0148	0.0050	0.0212	0.0002	0.1185
50 mph	0.0452	0.0040	0.0201	0.0146	0.0164	0.0055	0.0197	0.0002	0.1258
55 mph	0.0327	0.0029	0.0146	0.0099	0.0109	0.0037	0.0067	0.0001	0.0813
60 mph	0.0512	0.0046	0.0229	0.0130	0.0136	0.0046	0.2688	0.0026	0.3813
65 mph	0.0080	0.0007	0.0036	0.0023	0.0026	0.0009	-	-	0.0181
70 mph	0.1095	0.0098	0.0489	0.0511	0.0624	0.0210	-	-	0.3027
total	0.9486	0.0849	0.4233	0.2568	0.2791	0.0938	0.5183	0.0052	2.6099

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0005	0.0000	0.0002	0.0004	0.0072	0.0054	0.0420	0.1178	0.1734
15 mph	0.0002	0.0000	0.0001	0.0001	0.0019	0.0014	0.0110	0.0294	0.0441
20 mph	0.0003	0.0000	0.0001	0.0002	0.0032	0.0024	0.0188	0.0498	0.0748
25 mph	0.0011	0.0000	0.0005	0.0008	0.0141	0.0109	0.0902	0.2301	0.3477
30 mph	0.0011	0.0000	0.0004	0.0008	0.0141	0.0108	0.0720	0.1835	0.2828
35 mph	0.0008	0.0000	0.0003	0.0006	0.0116	0.0088	0.0289	0.0749	0.1260
40 mph	0.0002	0.0000	0.0001	0.0002	0.0038	0.0028	0.0295	0.0761	0.1127
45 mph	0.0002	0.0000	0.0001	0.0001	0.0031	0.0023	0.0224	0.0577	0.0858
50 mph	0.0002	0.0000	0.0001	0.0001	0.0032	0.0024	0.0358	0.0914	0.1332
55 mph	0.0002	0.0000	0.0001	0.0001	0.0027	0.0020	0.0085	0.0218	0.0353
60 mph	0.0004	0.0000	0.0002	0.0003	0.0054	0.0039	0.0091	0.0232	0.0424
65 mph	0.0001	0.0000	0.0000	0.0000	0.0007	0.0005	-	-	0.0013
70 mph	-	-	-	-	-	-	-	-	-
total	0.0052	0.0000	0.0022	0.0038	0.0707	0.0535	0.3682	0.9558	1.4595

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0001	0.0015	0.0012	-	-	0.0028
15 mph	0.0000	0.0000	0.0000	0.0001	0.0010	0.0008	-	-	0.0019
20 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0007	0.0339	0.0899	0.1253
25 mph	0.0000	0.0000	0.0000	0.0001	0.0015	0.0012	0.0517	0.1320	0.1865
30 mph	0.0001	0.0000	0.0000	0.0001	0.0028	0.0021	0.0779	0.1985	0.2815
35 mph	0.0002	0.0000	0.0001	0.0003	0.0062	0.0047	0.0696	0.1800	0.2610
40 mph	0.0002	0.0000	0.0001	0.0003	0.0067	0.0051	0.0585	0.1509	0.2217
45 mph	0.0001	0.0000	0.0001	0.0002	0.0052	0.0039	0.0403	0.1040	0.1538
50 mph	0.0001	0.0000	0.0001	0.0002	0.0062	0.0046	0.0199	0.0507	0.0817
55 mph	0.0001	0.0000	0.0000	0.0001	0.0036	0.0026	0.0102	0.0263	0.0429
60 mph	0.0001	0.0000	0.0000	0.0001	0.0022	0.0016	0.7649	1.9494	2.7182
65 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	-	-	0.0013
70 mph	0.0011	0.0000	0.0004	0.0017	0.0343	0.0247	-	-	0.0622
total	0.0021	0.0000	0.0009	0.0032	0.0728	0.0535	1.1269	2.8816	4.1410

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0034	0.0037	0.0154	0.0251	0.0476
15 mph	0.0003	0.0000	0.0001	0.0002	0.0029	0.0022	0.0178	0.0476	0.0710
25 mph	-	-	-	-	0.0041	0.0032	0.0580	0.1479	0.2132
35 mph	0.0008	0.0000	0.0003	0.0004	-	-	-	-	0.0015
total	0.0011	0.0000	0.0004	0.0006	0.0104	0.0090	0.0912	0.2205	0.3332

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0034	0.0037	0.0154	0.0251	0.0476
10 mph	0.0005	0.0000	0.0002	0.0004	0.0087	0.0065	0.0420	0.1178	0.1762
15 mph	0.0005	0.0000	0.0002	0.0003	0.0057	0.0044	0.0288	0.0770	0.1170
20 mph	0.0003	0.0000	0.0001	0.0002	0.0040	0.0031	0.0527	0.1397	0.2002
25 mph	0.0012	0.0000	0.0005	0.0009	0.0197	0.0152	0.1999	0.5100	0.7474
30 mph	0.0012	0.0000	0.0005	0.0009	0.0169	0.0129	0.1499	0.3821	0.5643
35 mph	0.0017	0.0000	0.0007	0.0012	0.0178	0.0136	0.0985	0.2549	0.3885
40 mph	0.0004	0.0000	0.0002	0.0005	0.0105	0.0079	0.0879	0.2270	0.3344
45 mph	0.0003	0.0000	0.0001	0.0004	0.0083	0.0062	0.0627	0.1617	0.2396
50 mph	0.0004	0.0000	0.0001	0.0004	0.0094	0.0069	0.0557	0.1420	0.2150
55 mph	0.0003	0.0000	0.0001	0.0003	0.0063	0.0046	0.0187	0.0481	0.0783
60 mph	0.0004	0.0000	0.0002	0.0004	0.0076	0.0055	0.7740	1.9725	2.7606
65 mph	0.0001	0.0000	0.0000	0.0001	0.0014	0.0010	-	-	0.0026
70 mph	0.0011	0.0000	0.0004	0.0017	0.0343	0.0247	-	-	0.0622
total	0.0083	0.0000	0.0035	0.0076	0.1539	0.1161	1.5863	4.0580	5.9336

World Logistics Center
Mobile Emissions - 2032 (Net) - Unmitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0384	0.0367	0.0366	0.0385
10 mph	0.0038	0.0047	0.0041	0.0041	0.0049	0.0046	0.0046	0.0049
15 mph	0.0025	0.0031	0.0027	0.0028	0.0032	0.0031	0.0031	0.0032
20 mph	0.0018	0.0022	0.0019	0.0019	0.0023	0.0022	0.0022	0.0023
25 mph	0.0013	0.0016	0.0014	0.0014	0.0017	0.0016	0.0016	0.0017
30 mph	0.0010	0.0013	0.0011	0.0011	0.0013	0.0012	0.0012	0.0013
35 mph	0.0008	0.0010	0.0009	0.0009	0.0011	0.0010	0.0010	0.0011
40 mph	0.0007	0.0009	0.0008	0.0008	0.0009	0.0009	0.0009	0.0009
45 mph	0.0007	0.0008	0.0007	0.0007	0.0009	0.0008	0.0008	0.0009
50 mph	0.0006	0.0008	0.0007	0.0007	0.0008	0.0008	0.0008	0.0008
55 mph	0.0007	0.0008	0.0007	0.0007	0.0008	0.0008	0.0008	0.0009
60 mph	0.0007	0.0009	0.0007	0.0008	0.0009	0.0009	0.0009	0.0009
65 mph	0.0008	0.0010	0.0008	0.0008	0.0010	0.0010		
70 mph	0.0009	0.0011	0.0009	0.0009	0.0011	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7943	0.7998	0.0146	0.0118
10 mph	0.0052	0.1072	0.0090	0.0045	0.0199	0.0302	0.0046	0.0117
15 mph	0.0043	0.0788	0.0077	0.0037	0.0157	0.0248	0.0036	0.0088
20 mph	0.0035	0.0606	0.0066	0.0031	0.0131	0.0209	0.0030	0.0063
25 mph	0.0029	0.0486	0.0056	0.0027	0.0110	0.0176	0.0029	0.0066
30 mph	0.0025	0.0407	0.0050	0.0023	0.0097	0.0155	0.0031	0.0071
35 mph	0.0022	0.0356	0.0045	0.0021	0.0089	0.0141	0.0037	0.0085
40 mph	0.0020	0.0326	0.0041	0.0020	0.0082	0.0129	0.0047	0.0108
45 mph	0.0019	0.0310	0.0038	0.0018	0.0077	0.0121	0.0061	0.0140
50 mph	0.0018	0.0309	0.0036	0.0017	0.0074	0.0115	0.0078	0.0179
55 mph	0.0018	0.0322	0.0034	0.0017	0.0071	0.0110	0.0100	0.0234
60 mph	0.0018	0.0349	0.0033	0.0016	0.0072	0.0109	0.0125	0.0289
65 mph	0.0019	0.0396	0.0033	0.0017	0.0077	0.0115		
70 mph	0.0019	0.0449	0.0034	0.0019	0.0112	0.0141		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0293
10 mph								0.0060
15 mph								0.0050
20 mph								0.0043
25 mph								0.0039
30 mph								0.0036
35 mph								0.0034
40 mph								0.0033
45 mph								0.0032
50 mph								0.0032
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0502	0.0047	0.0200	0.0082	0.0043	0.0012	0.0021	0.0000	0.0907
15 mph	0.0133	0.0013	0.0053	0.0022	0.0011	0.0003	0.0005	0.0000	0.0240
20 mph	0.0187	0.0018	0.0075	0.0031	0.0016	0.0004	0.0006	0.0000	0.0337
25 mph	0.0690	0.0066	0.0276	0.0113	0.0059	0.0016	0.0026	0.0000	0.1246
30 mph	0.0591	0.0056	0.0236	0.0097	0.0050	0.0014	0.0018	0.0000	0.1064
35 mph	0.0398	0.0038	0.0159	0.0065	0.0034	0.0009	0.0007	0.0000	0.0710
40 mph	0.0115	0.0011	0.0046	0.0019	0.0010	0.0003	0.0007	0.0000	0.0210
45 mph	0.0088	0.0008	0.0035	0.0014	0.0007	0.0002	0.0005	0.0000	0.0160
50 mph	0.0085	0.0008	0.0034	0.0014	0.0007	0.0002	0.0008	0.0000	0.0157
55 mph	0.0069	0.0007	0.0027	0.0011	0.0006	0.0002	0.0002	0.0000	0.0124
60 mph	0.0148	0.0014	0.0059	0.0024	0.0013	0.0004	0.0002	0.0000	0.0263
65 mph	0.0021	0.0002	0.0008	0.0003	0.0002	0.0000	-	-	0.0037
70 mph	-	-	-	-	-	-	-	-	-
total	0.3025	0.0287	0.1209	0.0496	0.0258	0.0072	0.0105	0.0001	0.5453

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0042	0.0004	0.0017	0.0014	0.0009	0.0003	-	-	0.0088
15 mph	0.0028	0.0003	0.0011	0.0009	0.0006	0.0002	-	-	0.0058
20 mph	0.0019	0.0002	0.0008	0.0007	0.0004	0.0001	0.0012	0.0000	0.0053
25 mph	0.0029	0.0003	0.0011	0.0010	0.0006	0.0002	0.0015	0.0000	0.0076
30 mph	0.0044	0.0004	0.0018	0.0015	0.0010	0.0003	0.0020	0.0000	0.0114
35 mph	0.0082	0.0008	0.0033	0.0028	0.0018	0.0005	0.0016	0.0000	0.0191
40 mph	0.0079	0.0008	0.0032	0.0027	0.0018	0.0005	0.0013	0.0000	0.0181
45 mph	0.0058	0.0006	0.0023	0.0020	0.0013	0.0004	0.0009	0.0000	0.0132
50 mph	0.0063	0.0006	0.0025	0.0022	0.0014	0.0004	0.0004	0.0000	0.0138
55 mph	0.0036	0.0003	0.0014	0.0012	0.0008	0.0002	0.0002	0.0000	0.0078
60 mph	0.0023	0.0002	0.0009	0.0008	0.0005	0.0001	0.0160	0.0001	0.0210
65 mph	0.0009	0.0001	0.0003	0.0003	0.0002	0.0001	-	-	0.0018
70 mph	0.0438	0.0041	0.0170	0.0147	0.0096	0.0026	-	-	0.0919
total	0.0949	0.0089	0.0374	0.0322	0.0209	0.0058	0.0251	0.0002	0.2254

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0041	0.0012	0.0018	0.0000	0.0071
15 mph	0.0264	0.0025	0.0106	0.0032	0.0017	0.0005	0.0007	0.0000	0.0456
25 mph	-	-	-	-	0.0017	0.0005	0.0017	0.0000	0.0039
35 mph	0.0377	0.0036	0.0150	0.0042	-	-	-	-	0.0604
total	0.0640	0.0061	0.0256	0.0073	0.0076	0.0021	0.0042	0.0000	0.1170

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0041	0.0012	0.0018	0.0000	0.0071
10 mph	0.0543	0.0051	0.0217	0.0096	0.0052	0.0014	0.0021	0.0000	0.0995
15 mph	0.0425	0.0040	0.0170	0.0063	0.0035	0.0010	0.0012	0.0000	0.0754
20 mph	0.0206	0.0020	0.0083	0.0037	0.0020	0.0006	0.0018	0.0000	0.0389
25 mph	0.0718	0.0068	0.0288	0.0123	0.0082	0.0023	0.0058	0.0001	0.1360
30 mph	0.0636	0.0060	0.0254	0.0112	0.0060	0.0017	0.0038	0.0000	0.1178
35 mph	0.0856	0.0081	0.0342	0.0135	0.0052	0.0014	0.0023	0.0000	0.1504
40 mph	0.0194	0.0018	0.0077	0.0046	0.0027	0.0008	0.0020	0.0000	0.0391
45 mph	0.0146	0.0014	0.0058	0.0034	0.0020	0.0006	0.0013	0.0000	0.0291
50 mph	0.0148	0.0014	0.0059	0.0035	0.0021	0.0006	0.0012	0.0000	0.0295
55 mph	0.0105	0.0010	0.0042	0.0023	0.0014	0.0004	0.0004	0.0000	0.0201
60 mph	0.0171	0.0016	0.0068	0.0032	0.0018	0.0005	0.0162	0.0001	0.0474
65 mph	0.0030	0.0003	0.0012	0.0006	0.0004	0.0001	-	-	0.0055
70 mph	0.0438	0.0041	0.0170	0.0147	0.0096	0.0026	-	-	0.0919
total	0.4614	0.0436	0.1839	0.0891	0.0543	0.0151	0.0398	0.0004	0.8877

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0008	0.0000	0.0004	0.0003	0.0173	0.0176	0.0121	0.0559	0.1043
15 mph	0.0003	0.0000	0.0001	0.0001	0.0054	0.0058	0.0031	0.0141	0.0289
20 mph	0.0004	0.0000	0.0002	0.0002	0.0091	0.0097	0.0053	0.0202	0.0452
25 mph	0.0017	0.0000	0.0010	0.0007	0.0382	0.0410	0.0275	0.1159	0.2262
30 mph	0.0017	0.0000	0.0010	0.0007	0.0371	0.0398	0.0270	0.1134	0.2206
35 mph	0.0012	0.0000	0.0007	0.0005	0.0277	0.0295	0.0145	0.0611	0.1351
40 mph	0.0004	0.0000	0.0002	0.0001	0.0085	0.0090	0.0205	0.0862	0.1250
45 mph	0.0003	0.0000	0.0002	0.0001	0.0067	0.0070	0.0211	0.0894	0.1249
50 mph	0.0003	0.0000	0.0002	0.0001	0.0064	0.0067	0.0444	0.1860	0.2441
55 mph	0.0002	0.0000	0.0001	0.0001	0.0049	0.0051	0.0130	0.0561	0.0796
60 mph	0.0004	0.0000	0.0002	0.0002	0.0099	0.0102	0.0163	0.0691	0.1064
65 mph	0.0001	0.0000	0.0000	0.0000	0.0013	0.0013	-	-	0.0028
70 mph	-	-	-	-	-	-	-	-	-
total	0.0077	0.0001	0.0046	0.0030	0.1727	0.1827	0.2048	0.8675	1.4431

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0000	0.0037	0.0038	-	-	0.0076
15 mph	0.0001	0.0000	0.0000	0.0000	0.0029	0.0031	-	-	0.0061
20 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0026	0.0095	0.0364	0.0511
25 mph	0.0001	0.0000	0.0000	0.0001	0.0041	0.0044	0.0158	0.0665	0.0909
30 mph	0.0001	0.0000	0.0001	0.0001	0.0072	0.0078	0.0292	0.1227	0.1672
35 mph	0.0002	0.0000	0.0002	0.0002	0.0148	0.0158	0.0349	0.1468	0.2129
40 mph	0.0003	0.0000	0.0002	0.0002	0.0153	0.0162	0.0406	0.1709	0.2435
45 mph	0.0002	0.0000	0.0001	0.0002	0.0115	0.0121	0.0381	0.1612	0.2233
50 mph	0.0002	0.0000	0.0001	0.0002	0.0124	0.0129	0.0246	0.1032	0.1536
55 mph	0.0001	0.0000	0.0001	0.0001	0.0066	0.0069	0.0157	0.0674	0.0968
60 mph	0.0001	0.0000	0.0000	0.0001	0.0040	0.0041	1.3733	5.8175	7.1990
65 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0014	-	-	0.0029
70 mph	0.0011	0.0000	0.0006	0.0009	0.0960	0.0808	-	-	0.1794
total	0.0025	0.0001	0.0015	0.0022	0.1823	0.1717	1.5816	6.6926	8.6345

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0844	0.0570	0.0042	0.0062	0.1519
15 mph	0.0005	0.0000	0.0003	0.0001	0.0084	0.0089	0.0051	0.0227	0.0460
25 mph	-	-	-	-	0.0112	0.0120	0.0177	0.0745	0.1153
35 mph	0.0011	0.0000	0.0007	0.0003	-	-	-	-	0.0022
total	0.0016	0.0000	0.0010	0.0004	0.1040	0.0779	0.0270	0.1035	0.3154

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0844	0.0570	0.0042	0.0062	0.1519
10 mph	0.0008	0.0000	0.0004	0.0003	0.0210	0.0213	0.0121	0.0559	0.1119
15 mph	0.0008	0.0000	0.0005	0.0003	0.0167	0.0178	0.0082	0.0368	0.0811
20 mph	0.0005	0.0000	0.0003	0.0002	0.0116	0.0123	0.0148	0.0567	0.0963
25 mph	0.0018	0.0000	0.0011	0.0007	0.0535	0.0574	0.0609	0.2570	0.4325
30 mph	0.0018	0.0000	0.0011	0.0008	0.0443	0.0475	0.0561	0.2362	0.3877
35 mph	0.0026	0.0000	0.0016	0.0010	0.0425	0.0452	0.0494	0.2078	0.3502
40 mph	0.0006	0.0000	0.0004	0.0004	0.0238	0.0252	0.0610	0.2571	0.3685
45 mph	0.0005	0.0000	0.0003	0.0003	0.0181	0.0191	0.0592	0.2507	0.3482
50 mph	0.0005	0.0000	0.0003	0.0003	0.0188	0.0196	0.0690	0.2892	0.3977
55 mph	0.0003	0.0000	0.0002	0.0002	0.0116	0.0120	0.0287	0.1235	0.1764
60 mph	0.0005	0.0000	0.0003	0.0002	0.0139	0.0143	1.3897	5.8866	7.3055
65 mph	0.0001	0.0000	0.0000	0.0000	0.0028	0.0028	-	-	0.0057
70 mph	0.0011	0.0000	0.0006	0.0009	0.0960	0.0808	-	-	0.1794
total	0.0119	0.0002	0.0070	0.0056	0.4590	0.4323	1.8134	7.6636	10.3930

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0019	0.0019
15 mph								0.0005	0.0005
20 mph								0.0009	0.0009
25 mph								0.0046	0.0046
30 mph								0.0038	0.0038
35 mph								0.0016	0.0016
40 mph								0.0017	0.0017
45 mph								0.0014	0.0014
50 mph								0.0022	0.0022
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0187	0.0187

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0017	0.0017
25 mph								0.0026	0.0026
30 mph								0.0042	0.0042
35 mph								0.0039	0.0039
40 mph								0.0034	0.0034
45 mph								0.0024	0.0024
50 mph								0.0012	0.0012
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0123	0.0123

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0009	0.0009
25 mph								0.0029	0.0029
35 mph								-	-
total	-	-	-	-	-	-	-	0.0048	0.0048

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0019	0.0019
15 mph								0.0014	0.0014
20 mph								0.0026	0.0026
25 mph								0.0101	0.0101
30 mph								0.0080	0.0080
35 mph								0.0055	0.0055
40 mph								0.0052	0.0052
45 mph								0.0038	0.0038
50 mph								0.0034	0.0034
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0429	0.0429

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0886	0.0582	0.0060	0.0073	0.1600
10 mph	0.0552	0.0051	0.0221	0.0100	0.0261	0.0228	0.0141	0.0578	0.2133
15 mph	0.0433	0.0040	0.0174	0.0066	0.0202	0.0187	0.0094	0.0382	0.1579
20 mph	0.0211	0.0020	0.0085	0.0039	0.0136	0.0129	0.0166	0.0593	0.1378
25 mph	0.0736	0.0069	0.0298	0.0131	0.0617	0.0597	0.0667	0.2671	0.5786
30 mph	0.0653	0.0061	0.0265	0.0120	0.0503	0.0492	0.0599	0.2442	0.5136
35 mph	0.0882	0.0082	0.0358	0.0145	0.0477	0.0467	0.0517	0.2134	0.5062
40 mph	0.0200	0.0019	0.0081	0.0050	0.0265	0.0260	0.0630	0.2623	0.4127
45 mph	0.0150	0.0014	0.0061	0.0037	0.0202	0.0197	0.0606	0.2545	0.3812
50 mph	0.0152	0.0014	0.0062	0.0038	0.0209	0.0202	0.0701	0.2926	0.4305
55 mph	0.0108	0.0010	0.0044	0.0025	0.0129	0.0124	0.0291	0.1235	0.1965
60 mph	0.0176	0.0016	0.0071	0.0034	0.0157	0.0148	1.4059	5.8867	7.3528
65 mph	0.0030	0.0003	0.0012	0.0006	0.0032	0.0029	-	-	0.0112
70 mph	0.0449	0.0041	0.0176	0.0157	0.1056	0.0834	-	-	0.2713
STREX	0.0093	0.0009	0.0036	0.0062	0.0005	0.0001	0.0003	0.0000	0.0210
total	0.4826	0.0447	0.1946	0.1010	0.5138	0.4476	1.8535	7.7069	**11.3446**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0012	0.0014	0.0012	0.0013	0.0003	0.0003	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0093	0.0009	0.0036	0.0062	0.0005	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0093	0.0009	0.0036	0.0062	0.0005	0.0001	0.0003	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	11.7600	0.8969	4.4200	1.7723	1.4804	0.4991	1.0545	0.0051
Diesel	0.1346	0.0001	0.0415	0.0571	1.5356	1.1778	6.2147	7.6742
Electric/NG	0.5939	0.0243	0.1497	0.0644	-	-	-	0.5198
Total	12.4885	0.9214	4.6112	1.8938	3.0160	1.6770	7.2692	8.1991

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	4.8631	0.3709	1.8278	1.5307	1.5873	0.5352	3.8021	0.0183
Diesel	0.0557	0.0001	0.0172	0.0493	1.6464	1.2628	22.4072	27.6695
Electric/NG	0.2456	0.0101	0.0619	0.0556	-	-	-	1.8741
Total	5.1643	0.3810	1.9069	1.6356	3.2337	1.7980	26.2093	29.5620

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.4702	0.1884	0.9284	0.2545	0.1319	0.0445	0.1832	0.0009
Diesel	0.0283	0.0000	0.0087	0.0082	0.1369	0.1050	1.0796	1.3331
Electric/NG	0.1248	0.0051	0.0314	0.0092	-	-	-	0.0903
Total	2.6232	0.1935	0.9686	0.2720	0.2688	0.1495	1.2627	1.4243

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	19.0933	1.4563	7.1762	3.5575	3.1997	1.0788	5.0398	0.0243	40.6258
Diesel	0.2185	0.0002	0.0674	0.1146	3.3189	2.5456	29.7015	36.6769	72.6436
Electric/NG	0.9643	0.0395	0.2430	0.1293	-	-	-	2.4842	3.8603
Total	20.2760	1.4960	7.4866	3.8014	6.5186	3.6244	34.7412	39.1854	**117.1297**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	107.2649
Internal	82.7428
Total	**190.0076**

World Logistics Center
Mobile Emissions - 2032 (Net) - Unmitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0354	0.0338	0.0337	0.0354
10 mph	0.0035	0.0043	0.0037	0.0038	0.0045	0.0043	0.0043	0.0045
15 mph	0.0023	0.0029	0.0025	0.0025	0.0030	0.0028	0.0028	0.0030
20 mph	0.0016	0.0020	0.0017	0.0018	0.0021	0.0020	0.0020	0.0021
25 mph	0.0012	0.0015	0.0013	0.0013	0.0015	0.0015	0.0015	0.0015
30 mph	0.0009	0.0012	0.0010	0.0010	0.0012	0.0011	0.0011	0.0012
35 mph	0.0008	0.0010	0.0008	0.0008	0.0010	0.0009	0.0009	0.0010
40 mph	0.0007	0.0008	0.0007	0.0007	0.0009	0.0008	0.0008	0.0009
45 mph	0.0006	0.0008	0.0007	0.0007	0.0008	0.0007	0.0007	0.0008
50 mph	0.0006	0.0007	0.0006	0.0006	0.0008	0.0007	0.0007	0.0008
55 mph	0.0006	0.0007	0.0006	0.0007	0.0008	0.0007	0.0007	0.0008
60 mph	0.0006	0.0008	0.0007	0.0007	0.0008	0.0008	0.0008	0.0008
65 mph	0.0007	0.0009	0.0008	0.0008	0.0009	0.0009		
70 mph	0.0008	0.0010	0.0008	0.0009	0.0010	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7599	0.7652	0.0139	0.0113
10 mph	0.0050	0.1026	0.0086	0.0043	0.0190	0.0289	0.0044	0.0112
15 mph	0.0041	0.0754	0.0074	0.0036	0.0150	0.0238	0.0035	0.0084
20 mph	0.0034	0.0580	0.0063	0.0030	0.0126	0.0200	0.0029	0.0061
25 mph	0.0028	0.0465	0.0054	0.0025	0.0105	0.0169	0.0027	0.0063
30 mph	0.0024	0.0389	0.0047	0.0022	0.0093	0.0149	0.0030	0.0068
35 mph	0.0021	0.0341	0.0043	0.0020	0.0085	0.0134	0.0035	0.0081
40 mph	0.0019	0.0312	0.0039	0.0019	0.0078	0.0124	0.0045	0.0103
45 mph	0.0018	0.0297	0.0036	0.0017	0.0074	0.0116	0.0058	0.0134
50 mph	0.0017	0.0295	0.0034	0.0017	0.0071	0.0110	0.0075	0.0172
55 mph	0.0017	0.0308	0.0032	0.0016	0.0068	0.0105	0.0095	0.0224
60 mph	0.0017	0.0334	0.0032	0.0016	0.0068	0.0105	0.0119	0.0276
65 mph	0.0018	0.0379	0.0032	0.0016	0.0074	0.0110		
70 mph	0.0018	0.0430	0.0032	0.0018	0.0107	0.0135		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0280
10 mph								0.0057
15 mph								0.0048
20 mph								0.0041
25 mph								0.0037
30 mph								0.0035
35 mph								0.0033
40 mph								0.0031
45 mph								0.0030
50 mph								0.0030
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0461	0.0043	0.0184	0.0076	0.0039	0.0011	0.0019	0.0000	0.0834
15 mph	0.0122	0.0012	0.0049	0.0020	0.0010	0.0003	0.0004	0.0000	0.0221
20 mph	0.0172	0.0016	0.0069	0.0028	0.0015	0.0004	0.0006	0.0000	0.0310
25 mph	0.0634	0.0060	0.0254	0.0104	0.0054	0.0015	0.0024	0.0000	0.1146
30 mph	0.0544	0.0052	0.0217	0.0089	0.0046	0.0013	0.0017	0.0000	0.0978
35 mph	0.0366	0.0035	0.0146	0.0060	0.0031	0.0009	0.0006	0.0000	0.0652
40 mph	0.0106	0.0010	0.0042	0.0017	0.0009	0.0003	0.0006	0.0000	0.0193
45 mph	0.0081	0.0008	0.0032	0.0013	0.0007	0.0002	0.0004	0.0000	0.0147
50 mph	0.0078	0.0007	0.0031	0.0013	0.0007	0.0002	0.0007	0.0000	0.0144
55 mph	0.0063	0.0006	0.0025	0.0010	0.0005	0.0002	0.0002	0.0000	0.0114
60 mph	0.0136	0.0013	0.0054	0.0022	0.0012	0.0003	0.0002	0.0000	0.0242
65 mph	0.0019	0.0002	0.0008	0.0003	0.0002	0.0000	-	-	0.0034
70 mph	-	-	-	-	-	-	-	-	-
total	0.2782	0.0263	0.1112	0.0457	0.0237	0.0066	0.0097	0.0001	0.5014

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0038	0.0004	0.0015	0.0013	0.0008	0.0002	-	-	0.0081
15 mph	0.0025	0.0002	0.0010	0.0009	0.0006	0.0002	-	-	0.0054
20 mph	0.0018	0.0002	0.0007	0.0006	0.0004	0.0001	0.0011	0.0000	0.0048
25 mph	0.0026	0.0002	0.0010	0.0009	0.0006	0.0002	0.0014	0.0000	0.0069
30 mph	0.0041	0.0004	0.0016	0.0014	0.0009	0.0003	0.0018	0.0000	0.0105
35 mph	0.0076	0.0007	0.0030	0.0026	0.0017	0.0005	0.0015	0.0000	0.0175
40 mph	0.0073	0.0007	0.0029	0.0025	0.0016	0.0004	0.0012	0.0000	0.0166
45 mph	0.0053	0.0005	0.0021	0.0018	0.0012	0.0003	0.0008	0.0000	0.0121
50 mph	0.0058	0.0005	0.0023	0.0020	0.0013	0.0004	0.0004	0.0000	0.0127
55 mph	0.0033	0.0003	0.0013	0.0011	0.0007	0.0002	0.0002	0.0000	0.0071
60 mph	0.0021	0.0002	0.0008	0.0007	0.0005	0.0001	0.0147	0.0001	0.0193
65 mph	0.0008	0.0001	0.0003	0.0003	0.0002	0.0000	-	-	0.0017
70 mph	0.0402	0.0037	0.0157	0.0135	0.0088	0.0024	-	-	0.0845
total	0.0872	0.0082	0.0344	0.0296	0.0192	0.0053	0.0230	0.0002	0.2073

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0038	0.0011	0.0017	0.0000	0.0065
15 mph	0.0243	0.0023	0.0097	0.0029	0.0016	0.0004	0.0007	0.0000	0.0419
25 mph	-	-	-	-	0.0016	0.0004	0.0015	0.0000	0.0036
35 mph	0.0346	0.0033	0.0138	0.0038	-	-	-	-	0.0556
total	0.0589	0.0056	0.0235	0.0067	0.0070	0.0020	0.0039	0.0000	0.1075

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0038	0.0011	0.0017	0.0000	0.0065
10 mph	0.0500	0.0047	0.0200	0.0089	0.0048	0.0013	0.0019	0.0000	0.0915
15 mph	0.0390	0.0037	0.0156	0.0058	0.0032	0.0009	0.0011	0.0000	0.0693
20 mph	0.0189	0.0018	0.0076	0.0034	0.0019	0.0005	0.0017	0.0000	0.0358
25 mph	0.0660	0.0063	0.0264	0.0113	0.0076	0.0021	0.0053	0.0000	0.1251
30 mph	0.0584	0.0056	0.0234	0.0103	0.0055	0.0015	0.0035	0.0000	0.1083
35 mph	0.0787	0.0075	0.0314	0.0124	0.0048	0.0013	0.0021	0.0000	0.1383
40 mph	0.0179	0.0017	0.0071	0.0042	0.0025	0.0007	0.0018	0.0000	0.0359
45 mph	0.0134	0.0013	0.0053	0.0032	0.0019	0.0005	0.0012	0.0000	0.0268
50 mph	0.0136	0.0013	0.0054	0.0033	0.0020	0.0005	0.0011	0.0000	0.0271
55 mph	0.0096	0.0009	0.0038	0.0022	0.0013	0.0004	0.0004	0.0000	0.0185
60 mph	0.0157	0.0015	0.0063	0.0030	0.0016	0.0005	0.0149	0.0001	0.0435
65 mph	0.0027	0.0003	0.0011	0.0006	0.0003	0.0001	-	-	0.0051
70 mph	0.0402	0.0037	0.0157	0.0135	0.0088	0.0024	-	-	0.0845
total	0.4243	0.0401	0.1691	0.0820	0.0499	0.0139	0.0366	0.0003	0.8163

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0008	0.0000	0.0004	0.0003	0.0165	0.0168	0.0115	0.0535	0.0998
15 mph	0.0002	0.0000	0.0001	0.0001	0.0052	0.0055	0.0030	0.0135	0.0277
20 mph	0.0004	0.0000	0.0002	0.0002	0.0087	0.0093	0.0051	0.0193	0.0432
25 mph	0.0017	0.0000	0.0010	0.0006	0.0366	0.0393	0.0263	0.1109	0.2164
30 mph	0.0016	0.0000	0.0010	0.0006	0.0355	0.0380	0.0258	0.1085	0.2110
35 mph	0.0011	0.0000	0.0007	0.0005	0.0265	0.0282	0.0139	0.0584	0.1293
40 mph	0.0003	0.0000	0.0002	0.0001	0.0082	0.0086	0.0196	0.0825	0.1196
45 mph	0.0003	0.0000	0.0002	0.0001	0.0064	0.0067	0.0202	0.0856	0.1195
50 mph	0.0003	0.0000	0.0002	0.0001	0.0061	0.0064	0.0424	0.1780	0.2335
55 mph	0.0002	0.0000	0.0001	0.0001	0.0047	0.0049	0.0125	0.0536	0.0762
60 mph	0.0004	0.0000	0.0002	0.0002	0.0095	0.0097	0.0156	0.0662	0.1018
65 mph	0.0001	0.0000	0.0000	0.0000	0.0013	0.0013	-	-	0.0027
70 mph	-	-	-	-	-	-	-	-	-
total	0.0073	0.0001	0.0044	0.0029	0.1652	0.1748	0.1959	0.8300	1.3806

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0000	0.0035	0.0036	-	-	0.0073
15 mph	0.0001	0.0000	0.0000	0.0000	0.0028	0.0030	-	-	0.0059
20 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0025	0.0091	0.0349	0.0489
25 mph	0.0001	0.0000	0.0000	0.0001	0.0039	0.0042	0.0151	0.0636	0.0870
30 mph	0.0001	0.0000	0.0001	0.0001	0.0069	0.0074	0.0279	0.1174	0.1599
35 mph	0.0002	0.0000	0.0001	0.0002	0.0142	0.0151	0.0334	0.1404	0.2037
40 mph	0.0002	0.0000	0.0002	0.0002	0.0146	0.0155	0.0388	0.1635	0.2330
45 mph	0.0002	0.0000	0.0001	0.0002	0.0110	0.0116	0.0365	0.1543	0.2137
50 mph	0.0002	0.0000	0.0001	0.0002	0.0119	0.0124	0.0235	0.0987	0.1470
55 mph	0.0001	0.0000	0.0001	0.0001	0.0063	0.0066	0.0150	0.0645	0.0926
60 mph	0.0001	0.0000	0.0000	0.0001	0.0038	0.0039	1.3139	5.5658	6.8876
65 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0014	-	-	0.0028
70 mph	0.0010	0.0000	0.0006	0.0009	0.0918	0.0773	-	-	0.1716
total	0.0024	0.0001	0.0014	0.0021	0.1745	0.1643	1.5132	6.4031	8.2610

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0808	0.0545	0.0040	0.0060	0.1453
15 mph	0.0005	0.0000	0.0003	0.0001	0.0080	0.0085	0.0049	0.0217	0.0440
25 mph	-	-	-	-	0.0107	0.0115	0.0169	0.0713	0.1103
35 mph	0.0011	0.0000	0.0007	0.0003	-	-	-	-	0.0021
total	0.0016	0.0000	0.0009	0.0004	0.0995	0.0745	0.0258	0.0990	0.3018

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0808	0.0545	0.0040	0.0060	0.1453
10 mph	0.0008	0.0000	0.0004	0.0003	0.0201	0.0204	0.0115	0.0535	0.1070
15 mph	0.0008	0.0000	0.0004	0.0003	0.0160	0.0170	0.0079	0.0352	0.0776
20 mph	0.0004	0.0000	0.0003	0.0002	0.0111	0.0118	0.0142	0.0542	0.0921
25 mph	0.0017	0.0000	0.0010	0.0007	0.0512	0.0549	0.0583	0.2458	0.4138
30 mph	0.0017	0.0000	0.0010	0.0007	0.0424	0.0455	0.0537	0.2259	0.3710
35 mph	0.0025	0.0000	0.0015	0.0010	0.0407	0.0433	0.0473	0.1988	0.3351
40 mph	0.0006	0.0000	0.0004	0.0003	0.0228	0.0241	0.0584	0.2460	0.3525
45 mph	0.0005	0.0000	0.0003	0.0003	0.0174	0.0183	0.0567	0.2398	0.3332
50 mph	0.0005	0.0000	0.0003	0.0003	0.0180	0.0188	0.0660	0.2767	0.3805
55 mph	0.0003	0.0000	0.0002	0.0002	0.0111	0.0115	0.0275	0.1181	0.1688
60 mph	0.0005	0.0000	0.0003	0.0002	0.0133	0.0137	1.3295	5.6320	6.9895
65 mph	0.0001	0.0000	0.0000	0.0000	0.0027	0.0026	-	-	0.0055
70 mph	0.0010	0.0000	0.0006	0.0009	0.0918	0.0773	-	-	0.1716
total	0.0113	0.0002	0.0067	0.0054	0.4391	0.4136	1.7349	7.3320	9.9434

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0018	0.0018
15 mph								0.0005	0.0005
20 mph								0.0009	0.0009
25 mph								0.0044	0.0044
30 mph								0.0037	0.0037
35 mph								0.0016	0.0016
40 mph								0.0017	0.0017
45 mph								0.0013	0.0013
50 mph								0.0021	0.0021
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0179	0.0179

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0016	0.0016
25 mph								0.0025	0.0025
30 mph								0.0040	0.0040
35 mph								0.0037	0.0037
40 mph								0.0033	
45 mph								0.0023	
50 mph								0.0012	
55 mph								-	
60 mph								-	
65 mph								-	
70 mph								-	
total	-	-	-	-	-	-	-	0.0118	0.0118

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0008	0.0008
25 mph								0.0028	0.0028
35 mph								-	-
total	-	-	-	-	-	-	-	0.0046	0.0046

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0018	0.0018
15 mph								0.0013	0.0013
20 mph								0.0025	0.0025
25 mph								0.0097	0.0097
30 mph								0.0077	0.0077
35 mph								0.0053	0.0053
40 mph								0.0049	0.0049
45 mph								0.0036	0.0036
50 mph								0.0032	0.0032
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0411	0.0411

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0846	0.0556	0.0057	0.0070	0.1529
10 mph	0.0508	0.0047	0.0204	0.0092	0.0248	0.0217	0.0134	0.0553	0.2003
15 mph	0.0398	0.0037	0.0161	0.0061	0.0192	0.0179	0.0090	0.0365	0.1483
20 mph	0.0194	0.0018	0.0078	0.0036	0.0129	0.0123	0.0158	0.0567	0.1304
25 mph	0.0678	0.0063	0.0275	0.0120	0.0588	0.0570	0.0636	0.2556	0.5485
30 mph	0.0601	0.0056	0.0244	0.0111	0.0479	0.0470	0.0572	0.2336	0.4869
35 mph	0.0812	0.0075	0.0330	0.0134	0.0455	0.0446	0.0494	0.2041	0.4787
40 mph	0.0184	0.0017	0.0075	0.0046	0.0253	0.0248	0.0602	0.2510	0.3934
45 mph	0.0138	0.0013	0.0056	0.0034	0.0192	0.0188	0.0579	0.2435	0.3636
50 mph	0.0140	0.0013	0.0057	0.0035	0.0200	0.0193	0.0670	0.2800	0.4108
55 mph	0.0099	0.0009	0.0040	0.0023	0.0123	0.0118	0.0278	0.1181	0.1873
60 mph	0.0162	0.0015	0.0065	0.0032	0.0150	0.0141	1.3444	5.6321	7.0330
65 mph	0.0028	0.0003	0.0011	0.0006	0.0030	0.0027	-	-	0.0106
70 mph	0.0413	0.0038	0.0162	0.0144	0.1006	0.0797	-	-	0.2561
STREX	0.0086	0.0008	0.0033	0.0057	0.0005	0.0001	0.0003	0.0000	0.0193
total	0.4442	0.0411	0.1792	0.0931	0.4896	0.4276	1.7718	7.3735	**10.8201**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0011	0.0013	0.0011	0.0012	0.0003	0.0003	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0086	0.0008	0.0033	0.0057	0.0005	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0086	0.0008	0.0033	0.0057	0.0005	0.0001	0.0003	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	4.6646	0.3558	1.7532	0.7030	0.6094	0.2066	0.4361	0.0020
Diesel	0.0534	0.0001	0.0165	0.0226	0.6209	0.4798	2.5699	2.7842
Electric/NG	0.2356	0.0096	0.0594	0.0255	-	-	-	0.1886
Total	4.9535	0.3655	1.8290	0.7512	1.2303	0.6864	3.0060	2.9748

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.9289	0.1471	0.7250	0.6071	0.6534	0.2215	1.5722	0.0071
Diesel	0.0221	0.0000	0.0068	0.0196	0.6657	0.5145	9.2658	10.0385
Electric/NG	0.0974	0.0040	0.0245	0.0221	-	-	-	0.6799
Total	2.0484	0.1511	0.7563	0.6488	1.3191	0.7360	10.8380	10.7255

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.9798	0.0747	0.3683	0.1009	0.0543	0.0184	0.0757	0.0003
Diesel	0.0112	0.0000	0.0035	0.0033	0.0553	0.0428	0.4464	0.4836
Electric/NG	0.0495	0.0020	0.0125	0.0037	-	-	-	0.0328
Total	1.0405	0.0768	0.3842	0.1079	0.1097	0.0612	0.5222	0.5167

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	7.5733	0.5776	2.8464	1.4111	1.3171	0.4465	2.0840	0.0094	16.2655
Diesel	0.0867	0.0001	0.0267	0.0455	1.3420	1.0371	12.2821	13.3064	28.1264
Electric/NG	0.3825	0.0157	0.0964	0.0513	-	-	-	0.9013	1.4471
Total	8.0425	0.5934	2.9696	1.5078	2.6591	1.4836	14.3661	14.2170	**45.8390**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	26.3286
Internal	20.3096
Total	**46.6382**

Black Carbon

percent of PM2.5 Exhaust

LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0651	0.0428	0.0044	0.0054	0.1177
10 mph	0.0325	0.0030	0.0130	0.0059	0.0191	0.0167	0.0104	0.0426	0.1432
15 mph	0.0255	0.0024	0.0103	0.0039	0.0148	0.0138	0.0069	0.0281	0.1056
20 mph	0.0124	0.0012	0.0050	0.0023	0.0100	0.0095	0.0122	0.0437	0.0962
25 mph	0.0434	0.0040	0.0176	0.0077	0.0452	0.0439	0.0490	0.1968	0.4076
30 mph	0.0385	0.0036	0.0156	0.0071	0.0369	0.0362	0.0440	0.1799	0.3618
35 mph	0.0520	0.0048	0.0211	0.0086	0.0350	0.0344	0.0380	0.1572	0.3510
40 mph	0.0118	0.0011	0.0048	0.0029	0.0195	0.0191	0.0463	0.1932	0.2987
45 mph	0.0089	0.0008	0.0036	0.0022	0.0148	0.0145	0.0446	0.1875	0.2768
50 mph	0.0090	0.0008	0.0036	0.0023	0.0154	0.0149	0.0516	0.2156	0.3131
55 mph	0.0064	0.0006	0.0026	0.0015	0.0095	0.0091	0.0214	0.0910	0.1420
60 mph	0.0104	0.0010	0.0042	0.0020	0.0115	0.0109	1.0352	4.3367	5.4118
65 mph	0.0018	0.0002	0.0007	0.0004	0.0023	0.0021	-	-	0.0075
70 mph	0.0264	0.0024	0.0104	0.0092	0.0775	0.0614	-	-	0.1874
total	0.2788	0.0258	0.1126	0.0559	0.3766	0.3292	1.3641	5.6776	8.2205

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2032 (Net) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	2,516	2.40	0.32	0.0005	1.18	0.0019	4.79
2	L	3,536	2.40	0.32	0.0005	1.65	0.0019	6.74
3	L	3,353	2.40	0.32	0.0005	1.57	0.0019	6.39
5	L	5,422	2.40	0.32	0.0005	2.54	0.0019	10.33
6	L	10,869	2.40	0.32	0.0005	5.08	0.0019	20.71
8	L	8,102	2.40	0.32	0.0005	3.79	0.0019	15.44
11	L	(1,633)	2.40	0.32	0.0005	(0.76)	0.0019	(3.11)
12	L	(2,489)	2.40	0.32	0.0005	(1.16)	0.0019	(4.74)
14	L	(1,334)	2.40	0.32	0.0005	(0.62)	0.0019	(2.54)
18	L	1,408	2.40	0.32	0.0005	0.66	0.0019	2.68
19	L	6,711	2.40	0.32	0.0005	3.14	0.0019	12.78
21	L	3,447	2.40	0.32	0.0005	1.61	0.0019	6.57
24	L	7,755	2.40	0.32	0.0005	3.63	0.0019	14.77
30	L	(7,617)	2.40	0.32	0.0005	(3.56)	0.0019	(14.51)
29	L	3,646	2.40	0.32	0.0005	1.71	0.0019	6.95
31	L	(262)	2.40	0.32	0.0005	(0.12)	0.0019	(0.50)
TOTAL						20.31		82.74

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2032 (Net) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	287,040	2.40	0.032	0.0001	16.51	0.0002	67.28
Freeway	F	339,974	2.40	0.015	0.0000	9.82	0.0001	39.99
TOTAL		627,014				26.33		107.26

World Logistics Center
Mobile Emissions - 2032 (Net) - Unmitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0049	0.0068	0.0061	0.0067	0.0085	0.0095	0.0167	0.2042
15 mph	0.0043	0.0059	0.0053	0.0059	0.0074	0.0083	0.0148	0.1802
20 mph	0.0038	0.0053	0.0048	0.0053	0.0068	0.0075	0.0133	0.1622
25 mph	0.0035	0.0048	0.0043	0.0048	0.0062	0.0069	0.0121	0.1482
30 mph	0.0033	0.0044	0.0040	0.0045	0.0058	0.0064	0.0112	0.1378
35 mph	0.0031	0.0042	0.0038	0.0042	0.0055	0.0060	0.0105	0.1301
40 mph	0.0029	0.0040	0.0036	0.0040	0.0053	0.0058	0.0100	0.1244
45 mph	0.0029	0.0039	0.0035	0.0039	0.0051	0.0056	0.0097	0.1208
50 mph	0.0028	0.0039	0.0034	0.0039	0.0051	0.0055	0.0095	0.1196
55 mph	0.0029	0.0039	0.0035	0.0039	0.0052	0.0056	0.0097	0.1208
60 mph	0.0030	0.0041	0.0037	0.0041	0.0054	0.0058	0.0100	0.1247
65 mph	0.0031	0.0044	0.0038	0.0043	0.0057	0.0061	0.0105	0.1309
70 mph	0.0033	0.0048	0.0040	0.0046	0.0062	0.0063	0.0103	0.1375

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0553	0.1156	0.0741	0.0922	0.1371	0.1535	0.2665	0.4096
15 mph	0.0455	0.0961	0.0614	0.0781	0.0893	0.1019	0.2096	0.3069
20 mph	0.0373	0.0789	0.0505	0.0649	0.0762	0.0870	0.1790	0.2599
25 mph	0.0313	0.0659	0.0423	0.0549	0.0676	0.0775	0.1562	0.2181
30 mph	0.0271	0.0567	0.0366	0.0475	0.0614	0.0700	0.1372	0.1914
35 mph	0.0245	0.0508	0.0330	0.0432	0.0615	0.0701	0.1226	0.1736
40 mph	0.0229	0.0473	0.0308	0.0404	0.0599	0.0676	0.1123	0.1587
45 mph	0.0222	0.0457	0.0297	0.0389	0.0584	0.0650	0.1065	0.1504
50 mph	0.0222	0.0457	0.0297	0.0391	0.0613	0.0674	0.1051	0.1466
55 mph	0.0232	0.0478	0.0311	0.0412	0.0640	0.0697	0.1081	0.1519
60 mph	0.0252	0.0518	0.0337	0.0447	0.0646	0.0699	0.1155	0.1611
65 mph	0.0283	0.0577	0.0378	0.0502	0.0656	0.0703	0.1273	0.1746
70 mph	0.0308	0.0602	0.0406	0.0546	0.0667	0.0716	0.1285	0.1773

*US EPA Emission Factors for Greenhouse Gas Inventories. (Idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.8546
15 mph								0.7170
20 mph								0.6260
25 mph								0.5771
30 mph								0.5458
35 mph								0.5211
40 mph								0.5008
45 mph								0.4837
50 mph								0.4691
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0641	0.0068	0.0299	0.0134	0.0074	0.0024	0.0074	0.0008	0.1322
15 mph	0.0225	0.0024	0.0105	0.0047	0.0026	0.0009	0.0022	0.0002	0.0459
20 mph	0.0404	0.0042	0.0188	0.0084	0.0047	0.0015	0.0039	0.0004	0.0824
25 mph	0.1845	0.0192	0.0854	0.0380	0.0217	0.0070	0.0197	0.0020	0.3776
30 mph	0.1887	0.0196	0.0870	0.0388	0.0223	0.0072	0.0165	0.0017	0.3819
35 mph	0.1459	0.0151	0.0670	0.0300	0.0173	0.0056	0.0070	0.0007	0.2886
40 mph	0.0465	0.0048	0.0213	0.0096	0.0056	0.0018	0.0074	0.0008	0.0977
45 mph	0.0375	0.0039	0.0172	0.0077	0.0045	0.0014	0.0057	0.0006	0.0786
50 mph	0.0371	0.0039	0.0170	0.0077	0.0045	0.0014	0.0092	0.0010	0.0817
55 mph	0.0300	0.0032	0.0138	0.0062	0.0036	0.0012	0.0021	0.0002	0.0604
60 mph	0.0623	0.0066	0.0289	0.0130	0.0075	0.0024	0.0022	0.0002	0.1233
65 mph	0.0082	0.0009	0.0038	0.0017	0.0010	0.0003	-	-	0.0159
70 mph	-	-	-	-	-	-	-	-	-
total	0.8677	0.0905	0.4006	0.1791	0.1028	0.0332	0.0835	0.0087	1.7661

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0053	0.0006	0.0025	0.0023	0.0016	0.0005	-	-	0.0128
15 mph	0.0046	0.0005	0.0022	0.0020	0.0014	0.0005	-	-	0.0112
20 mph	0.0042	0.0004	0.0019	0.0018	0.0013	0.0004	0.0071	0.0007	0.0179
25 mph	0.0076	0.0008	0.0035	0.0033	0.0023	0.0008	0.0113	0.0012	0.0308
30 mph	0.0142	0.0015	0.0065	0.0061	0.0043	0.0014	0.0179	0.0019	0.0538
35 mph	0.0302	0.0031	0.0138	0.0130	0.0093	0.0030	0.0168	0.0018	0.0909
40 mph	0.0320	0.0033	0.0147	0.0138	0.0099	0.0032	0.0147	0.0015	0.0931
45 mph	0.0248	0.0026	0.0114	0.0107	0.0077	0.0025	0.0103	0.0011	0.0711
50 mph	0.0276	0.0029	0.0127	0.0119	0.0087	0.0027	0.0051	0.0005	0.0721
55 mph	0.0155	0.0016	0.0072	0.0067	0.0049	0.0015	0.0026	0.0003	0.0403
60 mph	0.0097	0.0010	0.0045	0.0042	0.0030	0.0010	0.1866	0.0196	0.2295
65 mph	0.0034	0.0004	0.0016	0.0015	0.0011	0.0003	-	-	0.0082
70 mph	0.1639	0.0183	0.0750	0.0727	0.0536	0.0159	-	-	0.3994
total	0.3430	0.0369	0.1574	0.1499	0.1092	0.0338	0.2723	0.0285	1.1310

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0014	0.0004	0.0007	0.0000	0.0025
15 mph	0.0445	0.0047	0.0208	0.0068	0.0040	0.0013	0.0035	0.0004	0.0860
25 mph	-	-	-	-	0.0063	0.0021	0.0127	0.0013	0.0224
35 mph	0.1382	0.0143	0.0634	0.0191	-	-	-	-	0.2350
total	0.1827	0.0190	0.0842	0.0259	0.0118	0.0038	0.0169	0.0017	0.3458

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0014	0.0004	0.0007	0.0000	0.0025
10 mph	0.0694	0.0073	0.0324	0.0157	0.0090	0.0030	0.0074	0.0008	0.1450
15 mph	0.0717	0.0075	0.0334	0.0134	0.0080	0.0026	0.0057	0.0006	0.1430
20 mph	0.0446	0.0047	0.0207	0.0102	0.0060	0.0020	0.0111	0.0011	0.1003
25 mph	0.1922	0.0200	0.0889	0.0413	0.0303	0.0099	0.0437	0.0045	0.4307
30 mph	0.2029	0.0210	0.0935	0.0449	0.0266	0.0086	0.0344	0.0036	0.4356
35 mph	0.3143	0.0325	0.1442	0.0620	0.0266	0.0086	0.0237	0.0025	0.6145
40 mph	0.0785	0.0081	0.0360	0.0233	0.0155	0.0050	0.0221	0.0023	0.1908
45 mph	0.0623	0.0065	0.0286	0.0184	0.0123	0.0039	0.0161	0.0017	0.1496
50 mph	0.0647	0.0068	0.0297	0.0196	0.0131	0.0042	0.0143	0.0015	0.1538
55 mph	0.0455	0.0048	0.0210	0.0130	0.0085	0.0027	0.0047	0.0005	0.1007
60 mph	0.0720	0.0077	0.0334	0.0172	0.0106	0.0034	0.1888	0.0198	0.3528
65 mph	0.0115	0.0012	0.0054	0.0032	0.0021	0.0007	-	-	0.0240
70 mph	0.1639	0.0183	0.0750	0.0727	0.0536	0.0159	-	-	0.3994
total	1.3934	0.1464	0.6422	0.3549	0.2237	0.0708	0.3727	0.0389	3.2430

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0083	0.0000	0.0034	0.0059	0.1191	0.0893	0.6981	1.9606	2.8847
15 mph	0.0027	0.0000	0.0011	0.0020	0.0310	0.0237	0.1830	0.4897	0.7333
20 mph	0.0045	0.0000	0.0019	0.0033	0.0529	0.0405	0.3127	0.8294	1.2452
25 mph	0.0188	0.0000	0.0079	0.0140	0.2346	0.1804	1.5008	3.8284	5.7849
30 mph	0.0179	0.0000	0.0075	0.0133	0.2346	0.1792	1.1981	3.0538	4.7044
35 mph	0.0133	0.0000	0.0055	0.0099	0.1923	0.1468	0.4817	1.2461	2.0956
40 mph	0.0041	0.0000	0.0017	0.0031	0.0624	0.0472	0.4905	1.2662	1.8753
45 mph	0.0033	0.0000	0.0014	0.0025	0.0507	0.0378	0.3719	0.9596	1.4273
50 mph	0.0033	0.0000	0.0014	0.0025	0.0532	0.0393	0.5964	1.5202	2.2163
55 mph	0.0028	0.0000	0.0012	0.0021	0.0444	0.0325	0.1416	0.3635	0.5881
60 mph	0.0061	0.0000	0.0025	0.0046	0.0897	0.0651	0.1513	0.3855	0.7048
65 mph	0.0009	0.0000	0.0004	0.0006	0.0114	0.0082	-	-	0.0214
70 mph	-	-	-	-	-	-	-	-	-
total	0.0861	0.0002	0.0358	0.0638	1.1763	0.8900	6.1261	15.9029	24.2813

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0003	0.0010	0.0255	0.0192	-	-	0.0467
15 mph	0.0006	0.0000	0.0002	0.0009	0.0166	0.0127	-	-	0.0310
20 mph	0.0005	0.0000	0.0002	0.0007	0.0142	0.0109	0.5637	1.4952	2.0853
25 mph	0.0008	0.0000	0.0003	0.0012	0.0252	0.0193	0.8608	2.1960	3.1036
30 mph	0.0013	0.0000	0.0006	0.0021	0.0457	0.0349	1.2959	3.3032	4.6838
35 mph	0.0027	0.0000	0.0011	0.0043	0.1031	0.0787	1.1577	2.9952	4.3429
40 mph	0.0029	0.0000	0.0012	0.0045	0.1115	0.0843	0.9727	2.5109	3.6879
45 mph	0.0022	0.0000	0.0009	0.0034	0.0870	0.0649	0.6705	1.7300	2.5590
50 mph	0.0025	0.0000	0.0010	0.0039	0.1027	0.0758	0.3308	0.8432	1.3600
55 mph	0.0014	0.0000	0.0006	0.0023	0.0596	0.0435	0.1702	0.4368	0.7144
60 mph	0.0009	0.0000	0.0004	0.0015	0.0361	0.0262	12.7267	32.4331	45.2249
65 mph	0.0004	0.0000	0.0001	0.0006	0.0122	0.0088	-	-	0.0220
70 mph	0.0176	0.0000	0.0072	0.0277	0.5708	0.4108	-	-	1.0341
total	0.0345	0.0001	0.0141	0.0539	1.2102	0.8900	18.7491	47.9436	68.8955

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0005	0.0003	0.0014	0.0025	0.0048
15 mph	0.0054	0.0000	0.0023	0.0029	0.0477	0.0365	0.2957	0.7912	1.1816
25 mph	-	-	-	-	0.0685	0.0527	0.9646	2.4606	3.5463
35 mph	0.0126	0.0000	0.0052	0.0063	-	-	-	-	0.0241
total	0.0180	0.0000	0.0075	0.0092	0.1167	0.0895	1.2617	3.2543	4.7568

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0005	0.0003	0.0014	0.0025	0.0048
10 mph	0.0090	0.0000	0.0037	0.0069	0.1446	0.1085	0.6981	1.9606	2.9314
15 mph	0.0087	0.0000	0.0036	0.0057	0.0953	0.0729	0.4788	1.2809	1.9459
20 mph	0.0050	0.0000	0.0021	0.0040	0.0671	0.0514	0.8763	2.3246	3.3304
25 mph	0.0196	0.0000	0.0082	0.0152	0.3283	0.2524	3.3262	8.4849	12.4348
30 mph	0.0193	0.0000	0.0080	0.0154	0.2803	0.2141	2.4940	6.3570	9.3882
35 mph	0.0286	0.0001	0.0119	0.0205	0.2953	0.2256	1.6394	4.2413	6.4626
40 mph	0.0070	0.0000	0.0029	0.0075	0.1739	0.1315	1.4632	3.7771	5.5632
45 mph	0.0055	0.0000	0.0023	0.0059	0.1378	0.1027	1.0425	2.6896	3.9863
50 mph	0.0058	0.0000	0.0024	0.0064	0.1559	0.1150	0.9273	2.3634	3.5763
55 mph	0.0042	0.0000	0.0018	0.0044	0.1040	0.0760	0.3118	0.8003	1.3025
60 mph	0.0070	0.0000	0.0029	0.0060	0.1258	0.0913	12.8780	32.8186	45.9297
65 mph	0.0012	0.0000	0.0005	0.0012	0.0236	0.0170	-	-	0.0434
70 mph	0.0176	0.0000	0.0072	0.0277	0.5708	0.4108	-	-	1.0341
total	0.1385	0.0003	0.0574	0.1269	2.5032	1.8695	26.1369	67.1008	97.9336

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.2727	0.2727
15 mph								0.0763	0.0763
20 mph								0.1332	0.1332
25 mph								0.6752	0.6752
30 mph								0.5806	0.5806
35 mph								0.2494	0.2494
40 mph								0.2663	0.2663
45 mph								0.2058	0.2058
50 mph								0.3243	0.3243
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.7838	2.7838

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.2401	0.2401
25 mph								0.3873	0.3873
30 mph								0.6280	0.6280
35 mph								0.5995	0.5995
40 mph								0.5281	0.5281
45 mph								0.3710	0.3710
50 mph								0.1799	0.1799
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.8548	1.8548

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0005	0.0005
15 mph								0.1232	0.1232
25 mph								0.4340	0.4340
35 mph								-	-
total	-	-	-	-	-	-	-	0.5577	0.5577

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0005	0.0005
10 mph								0.2727	0.2727
15 mph								0.1995	0.1995
20 mph								0.3733	0.3733
25 mph								1.4965	1.4965
30 mph								1.2085	1.2085
35 mph								0.8489	0.8489
40 mph								0.7945	0.7945
45 mph								0.5768	0.5768
50 mph								0.5042	0.5042
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	6.2753	6.2753

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0019	0.0008	0.0020	0.0030	0.0078
10 mph	0.0784	0.0074	0.0361	0.0226	0.1536	0.1115	0.7056	2.2340	3.3490
15 mph	0.0804	0.0076	0.0370	0.0192	0.1033	0.0755	0.4845	1.4809	2.2884
20 mph	0.0496	0.0047	0.0228	0.0142	0.0731	0.0533	0.8874	2.6990	3.8040
25 mph	0.2118	0.0200	0.0971	0.0566	0.3586	0.2623	3.3699	9.9859	14.3620
30 mph	0.2222	0.0211	0.1015	0.0604	0.3069	0.2227	2.5284	7.5691	11.0323
35 mph	0.3428	0.0326	0.1561	0.0825	0.3220	0.2341	1.6631	5.0927	7.9260
40 mph	0.0855	0.0081	0.0389	0.0309	0.1894	0.1365	1.4853	4.5739	6.5485
45 mph	0.0678	0.0065	0.0309	0.0243	0.1500	0.1066	1.0585	3.2681	4.7128
50 mph	0.0705	0.0068	0.0321	0.0259	0.1691	0.1192	0.9416	2.8691	4.2343
55 mph	0.0497	0.0048	0.0227	0.0173	0.1125	0.0787	0.3165	0.8008	1.4032
60 mph	0.0790	0.0077	0.0363	0.0233	0.1364	0.0947	13.0668	32.8384	46.2825
65 mph	0.0127	0.0012	0.0059	0.0044	0.0256	0.0176	-	-	0.0675
70 mph	0.1815	0.0183	0.0821	0.1004	0.6244	0.4267	-	-	1.4335
STREX	0.1530	0.0128	0.0649	0.1147	0.0520	0.0153	0.0226	0.0000	0.4353
total	1.6850	0.1595	0.7645	0.5966	2.7789	1.9555	26.5322	73.4150	**107.8872**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0199	0.0217	0.0224	0.0238	0.0333	0.0334	0.0296	0.0029
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1530	0.0128	0.0649	0.1147	0.0520	0.0153	0.0226	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1530	0.0128	0.0649	0.1147	0.0520	0.0153	0.0226	0.0000

World Logistics Center
Mobile Emissions - 2032 (Net) - Unmitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.8830	1.9036	3.3672	2.4072
10 mph	0.0047	0.0090	0.0077	0.0090	0.0092	0.0078	0.0172	0.3036
15 mph	0.0031	0.0060	0.0052	0.0060	0.0062	0.0052	0.0115	0.2016
20 mph	0.0022	0.0043	0.0037	0.0042	0.0044	0.0037	0.0081	0.1417
25 mph	0.0016	0.0032	0.0027	0.0031	0.0033	0.0027	0.0060	0.1048
30 mph	0.0013	0.0025	0.0021	0.0025	0.0026	0.0021	0.0046	0.0819
35 mph	0.0010	0.0021	0.0017	0.0020	0.0022	0.0017	0.0038	0.0675
40 mph	0.0009	0.0018	0.0015	0.0018	0.0019	0.0015	0.0033	0.0588
45 mph	0.0008	0.0017	0.0014	0.0016	0.0018	0.0014	0.0030	0.0539
50 mph	0.0008	0.0016	0.0013	0.0016	0.0017	0.0014	0.0029	0.0522
55 mph	0.0008	0.0016	0.0013	0.0016	0.0018	0.0014	0.0030	0.0531
60 mph	0.0008	0.0017	0.0014	0.0017	0.0019	0.0015	0.0032	0.0568
65 mph	0.0009	0.0019	0.0016	0.0018	0.0022	0.0017		
70 mph	0.0010	0.0022	0.0017	0.0020	0.0023	0.0017		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0238	0.1098
10 mph	0.0037	0.0133	0.0091	0.0041	0.0257	0.0258	0.0016	0.0038
15 mph	0.0019	0.0080	0.0045	0.0020	0.0129	0.0129	0.0009	0.0021
20 mph	0.0008	0.0048	0.0017	0.0008	0.0054	0.0054	0.0006	0.0013
25 mph	0.0005	0.0035	0.0010	0.0005	0.0034	0.0034	0.0005	0.0011
30 mph	0.0004	0.0029	0.0008	0.0004	0.0026	0.0026	0.0004	0.0009
35 mph	0.0003	0.0025	0.0006	0.0003	0.0022	0.0022	0.0003	0.0007
40 mph	0.0002	0.0022	0.0005	0.0002	0.0018	0.0018	0.0003	0.0006
45 mph	0.0002	0.0021	0.0004	0.0002	0.0016	0.0016	0.0002	0.0006
50 mph	0.0002	0.0020	0.0004	0.0002	0.0015	0.0015	0.0002	0.0006
55 mph	0.0002	0.0021	0.0003	0.0002	0.0014	0.0014	0.0003	0.0006
60 mph	0.0002	0.0022	0.0003	0.0002	0.0013	0.0013	0.0003	0.0007
65 mph	0.0002	0.0025	0.0003	0.0002	0.0015	0.0015		
70 mph	0.0002	0.0028	0.0003	0.0002	0.0022	0.0020		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.8919
10 mph								10.9554
15 mph								7.5662
20 mph								5.3747
25 mph								3.9432
30 mph								2.9208
35 mph								2.1656
40 mph								1.6082
45 mph								1.1976
50 mph								0.8962
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0614	0.0090	0.0382	0.0178	0.0081	0.0020	0.0077	0.0011	0.1453
15 mph	0.0163	0.0024	0.0103	0.0048	0.0022	0.0005	0.0017	0.0003	0.0384
20 mph	0.0230	0.0035	0.0145	0.0067	0.0031	0.0008	0.0024	0.0004	0.0542
25 mph	0.0847	0.0129	0.0536	0.0249	0.0116	0.0028	0.0097	0.0014	0.2016
30 mph	0.0724	0.0111	0.0459	0.0214	0.0101	0.0024	0.0068	0.0010	0.1711
35 mph	0.0486	0.0075	0.0307	0.0144	0.0069	0.0016	0.0025	0.0004	0.1125
40 mph	0.0141	0.0022	0.0089	0.0042	0.0020	0.0005	0.0024	0.0004	0.0346
45 mph	0.0108	0.0017	0.0068	0.0032	0.0016	0.0004	0.0018	0.0003	0.0264
50 mph	0.0104	0.0016	0.0065	0.0031	0.0015	0.0003	0.0028	0.0004	0.0267
55 mph	0.0084	0.0013	0.0053	0.0025	0.0012	0.0003	0.0007	0.0001	0.0198
60 mph	0.0178	0.0027	0.0111	0.0052	0.0027	0.0006	0.0007	0.0001	0.0409
65 mph	0.0025	0.0004	0.0015	0.0007	0.0004	0.0001	-	-	0.0056
70 mph	-	-	-	-	-	-	-	-	-
total	0.3703	0.0561	0.2333	0.1088	0.0513	0.0122	0.0391	0.0058	0.8770

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0051	0.0007	0.0032	0.0031	0.0017	0.0004	-	-	0.0142
15 mph	0.0034	0.0005	0.0021	0.0021	0.0012	0.0003	-	-	0.0095
20 mph	0.0024	0.0004	0.0015	0.0015	0.0008	0.0002	0.0043	0.0006	0.0117
25 mph	0.0035	0.0005	0.0022	0.0022	0.0012	0.0003	0.0056	0.0008	0.0163
30 mph	0.0054	0.0008	0.0034	0.0034	0.0020	0.0005	0.0074	0.0011	0.0240
35 mph	0.0100	0.0016	0.0064	0.0062	0.0037	0.0009	0.0060	0.0009	0.0356
40 mph	0.0097	0.0015	0.0061	0.0060	0.0036	0.0008	0.0048	0.0007	0.0333
45 mph	0.0071	0.0011	0.0045	0.0044	0.0027	0.0006	0.0032	0.0005	0.0241
50 mph	0.0077	0.0012	0.0049	0.0048	0.0029	0.0007	0.0015	0.0002	0.0239
55 mph	0.0044	0.0007	0.0027	0.0027	0.0017	0.0004	0.0008	0.0001	0.0134
60 mph	0.0028	0.0004	0.0017	0.0017	0.0011	0.0002	0.0591	0.0089	0.0759
65 mph	0.0010	0.0002	0.0006	0.0006	0.0004	0.0001	-	-	0.0029
70 mph	0.0516	0.0083	0.0311	0.0319	0.0201	0.0043	-	-	0.1473
total	0.1141	0.0178	0.0705	0.0704	0.0431	0.0097	0.0927	0.0140	0.4322

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2021	0.0599	0.1654	0.0014	0.4287
15 mph	0.0324	0.0048	0.0203	0.0069	0.0033	0.0008	0.0028	0.0004	0.0717
25 mph	-	-	-	-	0.0034	0.0008	0.0062	0.0009	0.0114
35 mph	0.0460	0.0071	0.0291	0.0092	-	-	-	-	0.0913
total	0.0784	0.0119	0.0494	0.0161	0.2089	0.0615	0.1743	0.0027	0.6031

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2021	0.0599	0.1654	0.0014	0.4287
10 mph	0.0665	0.0097	0.0414	0.0208	0.0098	0.0024	0.0077	0.0011	0.1595
15 mph	0.0521	0.0077	0.0327	0.0137	0.0067	0.0016	0.0045	0.0007	0.1196
20 mph	0.0253	0.0038	0.0160	0.0082	0.0039	0.0010	0.0067	0.0010	0.0659
25 mph	0.0882	0.0134	0.0558	0.0271	0.0162	0.0039	0.0215	0.0032	0.2293
30 mph	0.0779	0.0119	0.0493	0.0248	0.0120	0.0029	0.0142	0.0021	0.1951
35 mph	0.1046	0.0161	0.0662	0.0298	0.0105	0.0025	0.0085	0.0013	0.2395
40 mph	0.0237	0.0037	0.0150	0.0102	0.0056	0.0013	0.0072	0.0011	0.0679
45 mph	0.0179	0.0028	0.0113	0.0076	0.0042	0.0010	0.0050	0.0008	0.0505
50 mph	0.0181	0.0028	0.0114	0.0079	0.0044	0.0010	0.0043	0.0007	0.0506
55 mph	0.0128	0.0020	0.0080	0.0052	0.0029	0.0007	0.0014	0.0002	0.0332
60 mph	0.0205	0.0031	0.0128	0.0069	0.0037	0.0008	0.0598	0.0090	0.1168
65 mph	0.0035	0.0005	0.0022	0.0014	0.0008	0.0002	-	-	0.0085
70 mph	0.0516	0.0083	0.0311	0.0319	0.0201	0.0043	-	-	0.1473
total	0.5627	0.0858	0.3532	0.1953	0.3032	0.0834	0.3062	0.0225	1.9124

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0004	0.0003	0.0223	0.0150	0.0042	0.0181	0.0609
15 mph	0.0001	0.0000	0.0001	0.0001	0.0045	0.0030	0.0008	0.0034	0.0119
20 mph	0.0001	0.0000	0.0001	0.0000	0.0038	0.0025	0.0010	0.0043	0.0118
25 mph	0.0003	0.0000	0.0002	0.0001	0.0118	0.0080	0.0045	0.0193	0.0441
30 mph	0.0002	0.0000	0.0002	0.0001	0.0101	0.0068	0.0033	0.0142	0.0348
35 mph	0.0002	0.0000	0.0001	0.0001	0.0067	0.0045	0.0012	0.0052	0.0180
40 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0013	0.0012	0.0050	0.0094
45 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0009	0.0009	0.0037	0.0069
50 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0009	0.0014	0.0060	0.0096
55 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0006	0.0004	0.0015	0.0035
60 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0012	0.0004	0.0018	0.0054
65 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0016	0.0000	0.0011	0.0007	0.0668	0.0449	0.0192	0.0823	0.2167

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0048	0.0032	-	-	0.0081
15 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0016	-	-	0.0041
20 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0019	0.0077	0.0113
25 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0009	0.0026	0.0111	0.0158
30 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0013	0.0036	0.0153	0.0222
35 mph	0.0000	0.0000	0.0000	0.0000	0.0036	0.0024	0.0029	0.0126	0.0216
40 mph	0.0000	0.0000	0.0000	0.0000	0.0034	0.0023	0.0023	0.0099	0.0180
45 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0016	0.0015	0.0066	0.0122
50 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0016	0.0008	0.0033	0.0083
55 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0008	0.0004	0.0018	0.0044
60 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0005	0.0346	0.1493	0.1852
65 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	-	-	0.0005
70 mph	0.0001	0.0000	0.0001	0.0001	0.0184	0.0116	-	-	0.0302
total	0.0003	0.0000	0.0002	0.0003	0.0440	0.0288	0.0506	0.2176	0.3418

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0157	0.0105	0.0069	0.0581	0.0911
15 mph	0.0002	0.0000	0.0002	0.0001	0.0069	0.0046	0.0013	0.0055	0.0187
25 mph	-	-	-	-	0.0034	0.0023	0.0029	0.0124	0.0210
35 mph	0.0001	0.0000	0.0001	0.0000	-	-	-	-	0.0003
total	0.0004	0.0000	0.0003	0.0001	0.0260	0.0175	0.0110	0.0759	0.1311

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0157	0.0105	0.0069	0.0581	0.0911
10 mph	0.0006	0.0000	0.0005	0.0003	0.0271	0.0183	0.0042	0.0181	0.0690
15 mph	0.0004	0.0000	0.0003	0.0001	0.0137	0.0093	0.0020	0.0089	0.0346
20 mph	0.0001	0.0000	0.0001	0.0000	0.0048	0.0032	0.0029	0.0119	0.0230
25 mph	0.0003	0.0000	0.0002	0.0001	0.0165	0.0111	0.0099	0.0427	0.0809
30 mph	0.0003	0.0000	0.0002	0.0001	0.0120	0.0081	0.0069	0.0295	0.0570
35 mph	0.0003	0.0000	0.0002	0.0001	0.0104	0.0070	0.0042	0.0178	0.0400
40 mph	0.0001	0.0000	0.0000	0.0000	0.0053	0.0036	0.0035	0.0149	0.0274
45 mph	0.0001	0.0000	0.0000	0.0000	0.0038	0.0025	0.0024	0.0103	0.0192
50 mph	0.0000	0.0000	0.0000	0.0000	0.0037	0.0025	0.0022	0.0093	0.0178
55 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0015	0.0008	0.0034	0.0079
60 mph	0.0000	0.0000	0.0000	0.0000	0.0026	0.0017	0.0350	0.1511	0.1906
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0004	-	-	0.0009
70 mph	0.0001	0.0000	0.0001	0.0001	0.0184	0.0116	-	-	0.0302
total	0.0023	0.0000	0.0016	0.0011	0.1368	0.0911	0.0808	0.3758	0.6897

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								3.4958	3.4958
15 mph								0.8048	0.8048
20 mph								1.1433	1.1433
25 mph								4.6135	4.6135
30 mph								3.1067	3.1067
35 mph								1.0365	1.0365
40 mph								0.8553	0.8553
45 mph								0.5095	0.5095
50 mph								0.6196	0.6196
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	16.1850	16.1850

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								2.0612	2.0612
25 mph								2.6463	2.6463
30 mph								3.3603	3.3603
35 mph								2.4915	2.4915
40 mph								1.6960	1.6960
45 mph								0.9186	0.9186
50 mph								0.3437	0.3437
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	10.5593	10.5593

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0667	0.0667
15 mph								1.3002	1.3002
25 mph								2.9652	2.9652
35 mph								-	-
total	-	-	-	-	-	-	-	4.3321	4.3321

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0667	0.0667
10 mph								3.4958	3.4958
15 mph								2.1050	2.1050
20 mph								3.2045	3.2045
25 mph								10.2251	10.2251
30 mph								6.4670	6.4670
35 mph								3.5280	3.5280
40 mph								2.5513	2.5513
45 mph								1.4281	1.4281
50 mph								0.9633	0.9633
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	34.0348	34.0348

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2178	0.0704	0.1723	0.1261	0.5865
10 mph	0.0671	0.0097	0.0419	0.0211	0.0370	0.0207	0.0118	3.5150	3.7243
15 mph	0.0525	0.0077	0.0329	0.0138	0.0204	0.0109	0.0065	2.1145	2.2592
20 mph	0.0254	0.0038	0.0160	0.0082	0.0087	0.0042	0.0097	3.2174	3.2935
25 mph	0.0885	0.0134	0.0560	0.0272	0.0328	0.0150	0.0315	10.2709	10.5352
30 mph	0.0781	0.0119	0.0495	0.0249	0.0240	0.0109	0.0211	6.4986	6.7191
35 mph	0.1049	0.0162	0.0664	0.0299	0.0209	0.0094	0.0127	3.5471	3.8075
40 mph	0.0238	0.0037	0.0151	0.0102	0.0110	0.0049	0.0107	2.5673	2.6466
45 mph	0.0179	0.0028	0.0113	0.0076	0.0080	0.0035	0.0074	1.4392	1.4977
50 mph	0.0182	0.0028	0.0114	0.0079	0.0082	0.0035	0.0065	0.9733	1.0317
55 mph	0.0128	0.0020	0.0080	0.0052	0.0051	0.0021	0.0022	0.0036	0.0411
60 mph	0.0206	0.0031	0.0129	0.0070	0.0063	0.0026	0.0948	0.1601	0.3074
65 mph	0.0035	0.0005	0.0022	0.0014	0.0013	0.0005	-	-	0.0094
70 mph	0.0517	0.0083	0.0312	0.0320	0.0386	0.0158	-	-	0.1775
STREX	0.2176	0.0208	0.1115	0.2083	0.0228	0.0067	0.0248	0.0000	0.6124
total	0.7826	0.1067	0.4663	0.4047	0.4628	0.1812	0.4117	34.4331	**37.2492**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0283	0.0354	0.0385	0.0432	0.0146	0.0146	0.0325	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2176	0.0208	0.1115	0.2083	0.0228	0.0067	0.0248	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.2176	0.0208	0.1115	0.2083	0.0228	0.0067	0.0248	0.0000

World Logistics Center
Mobile Emissions - 2032 (Net) - Unmitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,115.24	4,810.98	12,173.21	19,979.51
10 mph	415.02	487.05	492.63	605.64	1,349.47	1,555.07	2,770.31	3,251.32
15 mph	339.25	398.15	402.62	494.73	1,102.68	1,269.77	2,267.61	2,667.69
20 mph	282.15	331.12	334.84	411.48	916.88	1,056.12	1,883.89	2,222.69
25 mph	241.22	283.13	286.34	352.07	783.66	902.48	1,611.55	1,903.35
30 mph	214.09	251.30	254.20	312.80	695.64	801.20	1,431.55	1,689.59
35 mph	198.55	233.05	235.79	290.47	645.19	743.28	1,328.29	1,564.81
40 mph	192.36	225.78	228.42	281.43	624.60	719.60	1,285.24	1,512.71
45 mph	193.42	226.92	229.52	282.72	626.88	722.21	1,290.79	1,513.97
50 mph	199.20	233.66	236.30	291.26	645.32	743.19	1,327.86	1,554.57
55 mph	206.93	242.68	245.51	302.74	671.69	773.49	1,380.29	1,614.64
60 mph	213.03	250.21	253.31	312.77	698.88	804.80	1,435.65	1,676.71
65 mph	218.27	256.76	260.04	321.59	720.07	828.87		
70 mph	221.27	260.24	262.83	328.34	729.48	837.10		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,334.74	5,390.57	5,581.12	4,973.76
10 mph	351.79	735.50	471.28	586.40	872.44	976.43	1,695.38	2,605.82
15 mph	289.37	611.66	390.86	497.05	568.09	648.07	1,333.53	1,952.58
20 mph	237.37	502.20	321.10	412.84	484.75	553.38	1,138.99	1,653.54
25 mph	199.01	419.46	269.23	349.46	429.81	493.01	993.99	1,387.74
30 mph	172.41	360.75	232.78	302.19	390.67	445.05	872.87	1,217.68
35 mph	155.90	323.19	210.04	274.64	391.34	445.82	779.81	1,104.15
40 mph	145.90	301.16	196.02	256.98	380.98	429.94	714.71	1,009.77
45 mph	140.94	290.58	189.00	247.29	371.79	413.49	677.46	956.60
50 mph	141.36	290.45	189.25	248.72	390.03	429.08	668.53	932.54
55 mph	147.91	303.94	197.86	262.42	407.08	443.54	687.85	966.23
60 mph	160.36	329.55	214.35	284.15	411.03	444.99	734.76	1,024.80
65 mph	180.35	367.27	240.69	319.59	417.15	447.11		
70 mph	195.94	382.70	258.03	347.59	424.05	455.21		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,153.67
10 mph								4,191.99
15 mph								3,517.41
20 mph								3,070.94
25 mph								2,830.87
30 mph								2,677.51
35 mph								2,556.12
40 mph								2,456.59
45 mph								2,372.91
50 mph								2,301.22
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	5,453.24	488.11	2,432.89	1,199.34	1,182.96	399.36	1,231.42	12.14	12,399.46
15 mph	1,783.07	159.61	795.35	391.88	386.65	130.44	335.99	3.32	3,986.30
20 mph	2,965.89	265.47	1,322.92	651.87	643.00	216.98	558.27	5.53	6,629.93
25 mph	12,677.90	1,134.97	5,656.49	2,788.79	2,747.87	927.07	2,626.61	26.06	28,585.77
30 mph	12,377.37	1,108.10	5,523.66	2,725.51	2,683.16	905.34	2,121.12	21.03	27,465.28
35 mph	9,392.07	840.80	4,192.02	2,070.79	2,036.09	687.18	885.65	8.77	20,113.36
40 mph	3,032.97	271.53	1,353.68	668.78	657.04	221.76	952.17	9.42	7,167.34
45 mph	2,541.42	227.41	1,133.51	559.86	549.54	185.47	765.02	7.54	5,969.77
50 mph	2,617.35	234.17	1,166.96	576.76	565.70	190.86	1,278.86	12.58	6,643.25
55 mph	2,175.19	194.57	969.96	479.60	471.05	158.91	306.77	3.02	4,759.06
60 mph	4,478.69	401.21	2,001.58	990.99	980.24	330.69	319.08	3.13	9,505.61
65 mph	573.61	51.46	256.84	127.37	126.24	42.57	-	-	1,178.10
70 mph	-	-	-	-	-	-	-	-	-
total	60,068.76	5,377.40	26,805.85	13,231.53	13,029.55	4,396.64	11,380.96	112.54	134,403.22

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	451.01	40.37	201.21	207.16	253.67	85.64	-	-	1,239.06
15 mph	368.67	33.00	164.45	169.22	207.28	69.93	-	-	1,012.55
20 mph	306.62	27.44	136.77	140.75	172.35	58.16	1,006.42	9.98	1,858.48
25 mph	524.27	46.93	233.91	240.85	294.62	99.40	1,506.63	14.95	2,961.57
30 mph	930.62	83.31	415.31	427.98	523.06	176.49	2,294.31	22.75	4,873.82
35 mph	1,941.94	173.85	866.76	894.22	1,091.52	368.39	2,128.81	21.07	7,486.55
40 mph	2,090.36	187.14	932.97	962.65	1,174.11	396.28	1,888.17	18.67	7,650.36
45 mph	1,681.52	150.47	749.98	773.63	942.72	318.18	1,379.14	13.59	6,009.22
50 mph	1,948.22	174.30	868.63	896.62	1,091.75	368.34	709.38	6.98	6,064.22
55 mph	1,124.37	100.57	501.38	517.76	631.31	212.98	368.69	3.62	3,460.69
60 mph	694.52	62.22	310.39	320.95	394.12	132.96	26,843.62	263.41	29,022.19
65 mph	237.20	21.28	106.21	110.00	135.36	45.65	-	-	655.70
70 mph	11,061.01	992.22	4,938.20	5,166.19	6,307.75	2,120.55	-	-	30,585.92
total	23,360.34	2,093.11	10,426.17	10,827.98	13,219.60	4,452.93	38,125.17	375.02	102,880.32

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	441.77	151.30	597.80	11.26	1,202.13
15 mph	3,531.64	316.12	1,575.31	567.99	594.32	200.49	542.84	5.37	7,334.07
25 mph	-	-	-	-	802.17	270.63	1,688.18	16.75	2,777.73
35 mph	8,893.26	796.14	3,969.38	1,318.53	-	-	-	-	14,977.32
total	12,424.91	1,112.27	5,544.69	1,886.52	1,838.25	622.43	2,828.81	33.38	26,291.26

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	441.77	151.30	597.80	11.26	1,202.13
10 mph	5,904.25	528.48	2,634.10	1,406.50	1,436.63	485.00	1,231.42	12.14	13,638.53
15 mph	5,683.39	508.73	2,535.11	1,129.09	1,188.25	400.86	878.83	8.69	12,332.93
20 mph	3,272.51	292.91	1,459.68	792.62	815.35	275.14	1,564.69	15.51	8,488.41
25 mph	13,202.17	1,181.90	5,890.40	3,029.64	3,844.66	1,297.10	5,821.42	57.77	34,325.07
30 mph	13,307.98	1,191.42	5,938.96	3,153.49	3,206.21	1,081.82	4,415.43	43.78	32,339.10
35 mph	20,227.27	1,810.79	9,028.16	4,283.53	3,127.61	1,055.57	3,014.46	29.84	42,577.23
40 mph	5,123.34	458.67	2,286.65	1,631.43	1,831.15	618.04	2,840.34	28.09	14,817.70
45 mph	4,222.94	377.88	1,883.49	1,333.49	1,492.26	503.65	2,144.16	21.13	11,978.99
50 mph	4,565.57	408.47	2,035.59	1,473.38	1,657.45	559.20	1,988.24	19.56	12,707.47
55 mph	3,299.56	295.14	1,471.34	997.36	1,102.35	371.89	675.47	6.64	8,219.75
60 mph	5,173.22	463.42	2,311.97	1,311.94	1,374.36	463.65	27,162.70	266.54	38,527.79
65 mph	810.81	72.75	363.05	237.37	261.60	88.22	-	-	1,833.79
70 mph	11,061.01	992.22	4,938.20	5,166.19	6,307.75	2,120.55	-	-	30,585.92
total	95,854.01	8,582.78	42,776.71	25,946.02	28,087.40	9,472.00	52,334.94	520.94	263,574.81

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	52.90	0.11	21.86	37.41	757.42	568.33	4,441.32	12,472.80	18,352.15
15 mph	17.41	0.04	7.25	12.68	197.28	150.88	1,164.47	3,115.36	4,665.37
20 mph	28.56	0.06	11.92	21.07	336.67	257.67	1,989.18	5,276.48	7,921.61
25 mph	119.70	0.26	49.96	89.17	1,492.57	1,147.81	9,547.66	24,355.64	36,802.78
30 mph	114.07	0.25	47.52	84.82	1,492.34	1,139.77	7,622.11	19,428.10	29,928.97
35 mph	84.39	0.18	35.08	63.07	1,223.09	934.15	3,064.25	7,927.57	13,331.79
40 mph	26.33	0.06	10.91	19.67	396.90	300.29	3,120.49	8,055.49	11,930.14
45 mph	21.19	0.05	8.77	15.78	322.77	240.67	2,366.29	6,105.07	9,080.59
50 mph	21.26	0.05	8.78	15.87	338.61	249.74	3,794.53	9,671.17	14,100.00
55 mph	17.79	0.04	7.34	13.39	282.73	206.53	900.97	2,312.44	3,741.23
60 mph	38.58	0.08	15.91	29.00	570.95	414.40	962.41	2,452.62	4,483.96
65 mph	5.42	0.01	2.23	4.08	72.43	52.05	-	-	136.22
70 mph	-	-	-	-	-	-	-	-	-
total	547.61	1.19	227.54	406.01	7,483.76	5,662.29	38,973.67	101,172.75	154,474.82

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	4.38	0.01	1.81	6.46	162.42	121.87	-	-	296.94
15 mph	3.60	0.01	1.50	5.48	105.76	80.89	-	-	197.23
20 mph	2.95	0.01	1.23	4.55	90.24	69.07	3,586.00	9,512.20	13,266.25
25 mph	4.95	0.01	2.07	7.70	160.03	123.07	5,476.57	13,970.48	19,744.87
30 mph	8.58	0.02	3.57	13.32	290.92	222.19	8,244.46	21,014.44	29,797.49
35 mph	17.45	0.04	7.25	27.24	655.68	500.78	7,365.44	19,055.27	27,629.16
40 mph	18.15	0.04	7.52	28.32	709.24	536.61	6,188.02	15,974.27	23,462.16
45 mph	14.02	0.03	5.80	21.80	553.71	412.87	4,265.84	11,005.94	16,280.00
50 mph	15.82	0.03	6.54	24.67	653.48	481.98	2,104.80	5,364.54	8,651.85
55 mph	9.20	0.02	3.80	14.46	378.92	276.79	1,082.82	2,779.17	4,545.17
60 mph	5.98	0.01	2.47	9.39	229.56	166.62	80,965.85	206,335.58	287,715.46
65 mph	2.24	0.00	0.92	3.52	77.66	55.80	-	-	140.16
70 mph	112.09	0.23	45.54	176.18	3,631.42	2,613.46	-	-	6,578.92
total	219.41	0.46	90.02	343.08	7,699.03	5,661.98	119,279.81	305,011.88	438,305.67

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	354.53	384.22	1,615.24	2,630.12	4,984.11
15 mph	34.47	0.08	14.37	18.38	303.23	231.92	1,881.35	5,033.27	7,517.08
25 mph	-	-	-	-	435.72	335.07	6,136.49	15,653.91	22,561.19
35 mph	79.91	0.17	33.22	40.16	-	-	-	-	153.46
total	114.39	0.25	47.58	58.54	1,093.48	951.21	9,633.09	23,317.30	35,215.84

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	354.53	384.22	1,615.24	2,630.12	4,984.11
10 mph	57.27	0.12	23.67	43.87	919.84	690.19	4,441.32	12,472.80	18,649.09
15 mph	55.48	0.12	23.12	36.54	606.27	463.69	3,045.82	8,148.63	12,379.67
20 mph	31.51	0.07	13.15	25.62	426.92	326.74	5,575.18	14,788.68	21,187.86
25 mph	124.65	0.27	52.03	96.87	2,088.31	1,605.95	21,160.72	53,980.03	79,108.84
30 mph	122.65	0.27	51.09	98.14	1,783.26	1,361.95	15,866.57	40,442.53	59,726.46
35 mph	181.76	0.39	75.55	130.47	1,878.78	1,434.93	10,429.69	26,982.84	41,114.41
40 mph	44.47	0.10	18.43	47.99	1,106.14	836.90	9,308.51	24,029.76	35,392.30
45 mph	35.22	0.08	14.57	37.57	876.48	653.54	6,632.12	17,111.01	25,360.59
50 mph	37.08	0.08	15.31	40.53	992.09	731.72	5,899.33	15,035.71	22,751.85
55 mph	26.99	0.06	11.14	27.85	661.65	483.32	1,983.79	5,091.61	8,286.40
60 mph	44.56	0.10	18.38	38.40	800.51	581.02	81,928.26	208,788.20	292,199.43
65 mph	7.67	0.02	3.16	7.60	150.09	107.85	-	-	276.38
70 mph	112.09	0.23	45.54	176.18	3,631.42	2,613.46	-	-	6,578.92
total	881.40	1.89	365.13	807.63	16,276.28	12,275.48	167,886.57	429,501.94	627,996.32

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1,337.62	1,337.62
15 mph								374.12	374.12
20 mph								653.27	653.27
25 mph								3,312.11	3,312.11
30 mph								2,847.90	2,847.90
35 mph								1,223.45	1,223.45
40 mph								1,306.46	1,306.46
45 mph								1,009.56	1,009.56
50 mph								1,590.98	1,590.98
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	13,655.49	13,655.49

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1,177.69	1,177.69
25 mph								1,899.84	1,899.84
30 mph								3,080.44	3,080.44
35 mph								2,940.78	2,940.78
40 mph								2,590.75	2,590.75
45 mph								1,819.99	1,819.99
50 mph								882.51	882.51
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	9,098.74	9,098.74

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								181.68	181.68
15 mph								604.45	604.45
25 mph								2,128.77	2,128.77
35 mph								-	-
total	-	-	-	-	-	-	-	2,914.89	2,914.89

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								181.68	181.68
10 mph								1,337.62	1,337.62
15 mph								978.57	978.57
20 mph								1,830.96	1,830.96
25 mph								7,340.72	7,340.72
30 mph								5,928.34	5,928.34
35 mph								4,164.23	4,164.23
40 mph								3,897.21	3,897.21
45 mph								2,829.56	2,829.56
50 mph								2,473.49	2,473.49
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	30,962.37	30,962.37

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	796.30	535.52	2,213.04	2,823.07	6,367.92
10 mph	5,961.52	528.60	2,657.78	1,450.37	2,356.47	1,175.19	5,672.74	13,822.57	33,625.24
15 mph	5,738.87	508.85	2,558.22	1,165.63	1,794.52	864.54	3,924.65	9,135.89	25,691.17
20 mph	3,304.02	292.98	1,472.83	818.23	1,242.27	601.88	7,139.87	16,635.15	31,507.23
25 mph	13,326.82	1,182.18	5,942.43	3,126.51	5,932.98	2,903.05	26,982.14	61,378.52	120,774.63
30 mph	13,430.63	1,191.68	5,990.05	3,251.63	4,989.47	2,443.78	20,282.00	46,414.65	97,993.90
35 mph	20,409.03	1,811.18	9,103.71	4,414.00	5,006.39	2,490.50	13,444.15	31,176.91	87,855.87
40 mph	5,167.81	458.76	2,305.08	1,679.42	2,937.29	1,454.94	12,148.85	27,955.06	54,107.21
45 mph	4,258.16	377.95	1,898.06	1,371.06	2,368.74	1,157.19	8,776.28	19,961.70	40,169.14
50 mph	4,602.65	408.55	2,050.91	1,513.92	2,649.54	1,290.92	7,887.57	17,528.75	37,932.81
55 mph	3,326.55	295.20	1,482.48	1,025.21	1,764.00	855.21	2,659.26	5,098.25	16,506.15
60 mph	5,217.78	463.52	2,330.35	1,350.33	2,174.87	1,044.68	109,090.96	209,054.74	330,727.22
65 mph	818.48	72.76	366.21	244.97	411.69	196.07	-	-	2,110.18
70 mph	11,173.10	992.45	4,983.74	5,342.37	9,939.16	4,734.01	-	-	37,164.84
STREX	338.69	30.44	154.95	318.14	26.57	8.89	25.24	0.25	903.17
total	97,074.10	8,615.11	43,296.79	27,071.79	44,390.25	21,756.37	220,246.75	460,985.51	**923,436.67**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	43.99	51.84	53.54	66.02	17.01	19.42	33.11	39.79
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	338.69	30.44	154.95	318.14	26.57	8.89	25.24	0.25
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	338.69	30.44	154.95	318.14	26.57	8.89	25.24	0.25

World Logistics Center
Mobile Emissions - 2033 (Net) - Unmitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
42.36	1,285.32	792.93	8.97	11.90	205.27	126.18	343.35	11.35	50.39	49.39	111.13	8.62	112.09	39.68	969,109.27

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
7.73	234.57	144.71	1.64	2.17	37.46	23.03	62.66	2.07	9.20	9.01	20.28	1.57	20.46	7.24	176,862.44

World Logistics Center
Mobile Emissions - 2033 (Net) - Unmitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	3,892.32	45.12	204.70	194,063.07	2,249.80	10,205.98
LDT1	297.10	0.05	8.47	14,812.57	2.26	422.26
LDT2	1,463.50	13.94	51.98	72,967.32	695.05	2,591.66
MDT	2,291.28	75.07	88.07	35,100.62	1,150.04	1,349.15
LHDT1	736.19	745.20	-	17,200.16	17,410.52	-
LHDT2	214.93	497.29	-	5,021.57	11,618.53	-
MHDT	362.71	2,149.12	-	16,275.28	96,435.01	-
HHDT	3.16	3,917.67	267.51	141.95	175,793.17	12,003.56

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	137,289.89	1,591.62	7,220.22	56,773.18	658.18	2,985.76
LDT1	10,479.15	1.60	298.73	4,333.42	0.66	123.53
LDT2	51,620.72	491.71	1,833.47	21,346.60	203.34	758.19
MDT	18,834.35	617.09	723.93	16,266.27	532.95	625.22
LHDT1	8,300.54	8,402.06	-	8,899.61	9,008.46	-
LHDT2	2,423.34	5,606.93	-	2,598.23	6,011.60	-
MHDT	3,533.87	20,939.07	-	12,741.41	75,495.95	-
HHDT	30.82	38,170.21	2,606.35	111.13	137,622.96	9,397.21

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	6,864.49	523.96	2,581.04	941.72	415.03	121.17	212.03	1.85	11,661.28
15 mph	2,745.80	209.58	1,032.41	376.69	166.01	48.47	70.68	0.62	4,650.25
20 mph	5,491.60	419.17	2,064.83	753.37	332.02	96.93	141.35	1.23	9,300.51
25 mph	27,457.98	2,095.83	10,324.14	3,766.87	1,660.11	484.67	777.45	6.78	46,573.83
30 mph	30,203.78	2,305.41	11,356.56	4,143.56	1,826.12	533.13	706.77	6.16	51,081.50
35 mph	24,712.18	1,886.25	9,291.73	3,390.18	1,494.10	436.20	318.05	2.77	41,531.46
40 mph	8,237.39	628.75	3,097.24	1,130.06	498.03	145.40	353.39	3.08	14,093.35
45 mph	6,864.49	523.96	2,581.04	941.72	415.03	121.17	282.71	2.47	11,732.58
50 mph	6,864.49	523.96	2,581.04	941.72	415.03	121.17	459.40	4.01	11,910.81
55 mph	5,491.60	419.17	2,064.83	753.37	332.02	96.93	106.02	0.92	9,264.86
60 mph	10,983.19	838.33	4,129.66	1,506.75	664.04	193.87	106.02	0.92	18,422.78
65 mph	1,372.90	104.79	516.21	188.34	83.01	24.23	-	-	2,289.48
70 mph	-	-	-	-	-	-	-	-	-
total	137,289.89	10,479.15	51,620.72	18,834.35	8,300.54	2,423.34	3,533.87	30.82	232,512.69

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	567.73	43.33	213.47	162.66	89.00	25.98	-	-	1,102.17
15 mph	567.73	43.33	213.47	162.66	89.00	25.98	-	-	1,102.17
20 mph	567.73	43.33	213.47	162.66	89.00	25.98	254.83	2.22	1,359.22
25 mph	1,135.46	86.67	426.93	325.33	177.99	51.96	445.95	3.89	2,654.19
30 mph	2,270.93	173.34	853.86	650.65	355.98	103.93	764.48	6.67	5,179.84
35 mph	5,109.59	390.01	1,921.19	1,463.96	800.97	233.84	764.48	6.67	10,690.71
40 mph	5,677.32	433.34	2,134.66	1,626.63	889.96	259.82	700.78	6.11	11,728.62
45 mph	4,541.85	346.67	1,707.73	1,301.30	711.97	207.86	509.66	4.45	9,331.49
50 mph	5,109.59	390.01	1,921.19	1,463.96	800.97	233.84	254.83	2.22	10,176.61
55 mph	2,838.66	216.67	1,067.33	813.31	444.98	129.91	127.41	1.11	5,639.39
60 mph	1,703.20	130.00	640.40	487.99	266.99	77.95	8,918.99	77.79	12,303.30
65 mph	567.73	43.33	213.47	162.66	89.00	25.98	-	-	1,102.17
70 mph	26,115.66	1,993.37	9,819.44	7,482.48	4,093.82	1,195.19	-	-	50,699.97
total	56,773.18	4,333.42	21,346.60	16,266.27	8,899.61	2,598.23	12,741.41	111.13	123,069.86

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	50.59	14.77	23.29	0.27	88.92
15 mph	4,949.41	377.78	1,860.97	545.64	254.00	74.16	113.53	0.99	8,176.48
25 mph	-	-	-	-	482.40	140.84	496.81	4.33	1,124.38
35 mph	21,295.47	1,625.45	8,007.05	2,157.36	-	-	-	-	33,085.34
total	26,244.88	2,003.24	9,868.02	2,703.01	736.40	214.99	610.34	5.32	42,386.20

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	50.59	14.77	23.29	0.27	88.92
10 mph	7,432.23	567.29	2,794.50	1,104.38	504.02	147.15	212.03	1.85	12,763.45
15 mph	8,262.94	630.70	3,106.85	1,084.99	509.01	148.60	184.21	1.61	13,928.91
20 mph	6,059.33	462.50	2,278.29	916.04	421.02	122.92	396.18	3.46	10,659.73
25 mph	28,593.44	2,182.50	10,751.08	4,092.20	2,320.50	677.47	1,720.21	15.00	50,352.39
30 mph	32,474.70	2,478.75	12,210.42	4,794.21	2,182.10	637.06	1,471.26	12.83	56,261.34
35 mph	51,117.24	3,901.71	19,219.98	7,011.51	2,295.06	670.04	1,082.53	9.44	85,307.52
40 mph	13,914.71	1,062.09	5,231.90	2,756.69	1,387.99	405.22	1,054.16	9.19	25,821.97
45 mph	11,406.35	870.63	4,288.76	2,243.02	1,127.00	329.03	792.37	6.91	21,064.06
50 mph	11,974.08	913.97	4,502.23	2,405.68	1,215.99	355.01	714.23	6.23	22,087.42
55 mph	8,330.25	635.84	3,132.16	1,566.69	777.00	226.85	233.43	2.04	14,904.25
60 mph	12,686.39	968.33	4,770.06	1,994.74	931.03	271.81	9,025.00	78.71	30,726.08
65 mph	1,940.63	148.13	729.67	351.01	172.00	50.22	-	-	3,391.65
70 mph	26,115.66	1,993.37	9,819.44	7,482.48	4,093.82	1,195.19	-	-	50,699.97
total	220,307.95	16,815.81	82,835.34	37,803.63	17,936.56	5,236.56	16,885.62	147.27	397,968.75

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	79.58	0.08	24.59	30.85	420.10	280.35	1,256.34	2,290.21	4,382.11
15 mph	31.83	0.03	9.83	12.34	168.04	112.14	418.78	763.40	1,516.41
20 mph	63.66	0.06	19.67	24.68	336.08	224.28	837.56	1,526.81	3,032.81
25 mph	318.32	0.32	98.34	123.42	1,680.41	1,121.39	4,606.59	8,397.45	16,346.24
30 mph	350.16	0.35	108.18	135.76	1,848.45	1,233.53	4,187.81	7,634.04	15,498.28
35 mph	286.49	0.29	88.51	111.08	1,512.37	1,009.25	1,884.52	3,435.32	8,327.82
40 mph	95.50	0.10	29.50	37.03	504.12	336.42	2,093.91	3,817.02	6,913.59
45 mph	79.58	0.08	24.59	30.85	420.10	280.35	1,675.13	3,053.62	5,564.29
50 mph	79.58	0.08	24.59	30.85	420.10	280.35	2,722.08	4,962.13	8,519.76
55 mph	63.66	0.06	19.67	24.68	336.08	224.28	628.17	1,145.11	2,441.72
60 mph	127.33	0.13	39.34	49.37	672.16	448.55	628.17	1,145.11	3,110.16
65 mph	15.92	0.02	4.92	6.17	84.02	56.07	-	-	167.11
70 mph	-	-	-	-	-	-	-	-	-
total	1,591.62	1.60	491.71	617.09	8,402.06	5,606.93	20,939.07	38,170.21	75,820.30

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	6.58	0.01	2.03	5.33	90.08	60.12	-	-	164.15
15 mph	6.58	0.01	2.03	5.33	90.08	60.12	-	-	164.15
20 mph	6.58	0.01	2.03	5.33	90.08	60.12	1,509.92	2,752.46	4,426.53
25 mph	13.16	0.01	4.07	10.66	180.17	120.23	2,642.36	4,816.80	7,787.47
30 mph	26.33	0.03	8.13	21.32	360.34	240.46	4,529.76	8,257.38	13,443.74
35 mph	59.24	0.06	18.30	47.97	810.76	541.04	4,529.76	8,257.38	14,264.50
40 mph	65.82	0.07	20.33	53.29	900.85	601.16	4,152.28	7,569.26	13,363.06
45 mph	52.65	0.05	16.27	42.64	720.68	480.93	3,019.84	5,504.92	9,837.97
50 mph	59.24	0.06	18.30	47.97	810.76	541.04	1,509.92	2,752.46	5,739.74
55 mph	32.91	0.03	10.17	26.65	450.42	300.58	754.96	1,376.23	2,951.95
60 mph	19.75	0.02	6.10	15.99	270.25	180.35	52,847.16	96,336.07	149,675.69
65 mph	6.58	0.01	2.03	5.33	90.08	60.12	-	-	164.15
70 mph	302.76	0.30	93.54	245.16	4,143.89	2,765.34	-	-	7,550.98
total	658.18	0.66	203.34	532.95	9,008.46	6,011.60	75,495.95	137,622.96	229,534.09

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	51.21	34.17	138.00	251.56	474.94
15 mph	57.38	0.06	17.73	17.88	257.11	171.58	672.70	1,226.28	2,420.70
25 mph	-	-	-	-	488.30	325.86	2,943.70	5,366.13	9,123.99
35 mph	246.88	0.25	76.27	70.68	-	-	-	-	394.08
total	304.26	0.31	94.00	88.56	745.41	497.43	3,616.40	6,592.41	11,938.78

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	51.21	34.17	138.00	251.56	474.94
10 mph	86.16	0.09	26.62	36.18	510.19	340.46	1,256.34	2,290.21	4,546.26
15 mph	95.79	0.10	29.59	35.55	515.23	343.83	1,091.48	1,989.68	4,101.26
20 mph	70.25	0.07	21.70	30.01	426.17	284.39	2,347.48	4,279.27	7,459.34
25 mph	331.49	0.33	102.41	134.08	2,348.88	1,567.48	10,192.66	18,580.38	33,257.70
30 mph	376.48	0.38	116.31	157.08	2,208.79	1,473.99	8,717.57	15,891.42	28,942.02
35 mph	592.61	0.60	183.08	229.73	2,323.13	1,550.29	6,414.27	11,692.70	22,986.40
40 mph	161.31	0.16	49.84	90.32	1,404.97	937.58	6,246.18	11,386.28	20,276.65
45 mph	132.24	0.13	40.85	73.49	1,140.78	761.27	4,694.96	8,558.54	15,402.26
50 mph	138.82	0.14	42.89	78.82	1,230.86	821.39	4,232.00	7,714.59	14,259.50
55 mph	96.57	0.10	29.84	51.33	786.51	524.86	1,383.13	2,521.34	5,393.67
60 mph	147.07	0.15	45.44	65.36	942.42	628.90	53,475.33	97,481.18	152,785.85
65 mph	22.50	0.02	6.95	11.50	174.11	116.19	-	-	331.26
70 mph	302.76	0.30	93.54	245.16	4,143.89	2,765.34	-	-	7,550.98
total	2,554.06	2.57	789.05	1,238.60	18,155.92	12,115.96	100,051.42	182,385.58	317,293.16

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	361.01	14.94	91.67	36.20	-	-	-	156.38	660.20
15 mph	144.40	5.97	36.67	14.48	-	-	-	52.13	253.65
20 mph	288.81	11.95	73.34	28.96	-	-	-	104.25	507.31
25 mph	1,444.04	59.75	366.69	144.79	-	-	-	573.40	2,588.67
30 mph	1,588.45	65.72	403.36	159.26	-	-	-	521.27	2,738.06
35 mph	1,299.64	53.77	330.02	130.31	-	-	-	234.57	2,048.31
40 mph	433.21	17.92	110.01	43.44	-	-	-	260.64	865.22
45 mph	361.01	14.94	91.67	36.20	-	-	-	208.51	712.33
50 mph	361.01	14.94	91.67	36.20	-	-	-	338.83	842.64
55 mph	288.81	11.95	73.34	28.96	-	-	-	78.19	481.24
60 mph	577.62	23.90	146.68	57.91	-	-	-	78.19	884.30
65 mph	72.20	2.99	18.33	7.24	-	-	-	-	100.76
70 mph	-	-	-	-	-	-	-	-	-
total	7,220.22	298.73	1,833.47	723.93	-	-	-	2,606.35	12,682.69

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	29.86	1.24	7.58	6.25	-	-	-	-	44.93
15 mph	29.86	1.24	7.58	6.25	-	-	-	-	44.93
20 mph	29.86	1.24	7.58	6.25	-	-	-	187.94	232.87
25 mph	59.72	2.47	15.16	12.50	-	-	-	328.90	418.76
30 mph	119.43	4.94	30.33	25.01	-	-	-	563.83	743.54
35 mph	268.72	11.12	68.24	56.27	-	-	-	563.83	968.18
40 mph	298.58	12.35	75.82	62.52	-	-	-	516.85	966.12
45 mph	238.86	9.88	60.66	50.02	-	-	-	375.89	735.30
50 mph	268.72	11.12	68.24	56.27	-	-	-	187.94	592.29
55 mph	149.29	6.18	37.91	31.26	-	-	-	93.97	318.61
60 mph	89.57	3.71	22.75	18.76	-	-	-	6,578.05	6,712.83
65 mph	29.86	1.24	7.58	6.25	-	-	-	-	44.93
70 mph	1,373.45	56.83	348.77	287.60	-	-	-	-	2,066.64
total	2,985.76	123.53	758.19	625.22	-	-	-	9,397.21	13,889.91

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	17.18	17.18
15 mph	260.29	10.77	66.10	20.97	-	-	-	83.73	441.87
25 mph	-	-	-	-	-	-	-	366.41	366.41
35 mph	1,119.95	46.34	284.39	82.92	-	-	-	-	1,533.60
total	1,380.25	57.11	350.49	103.89	-	-	-	450.14	2,341.88

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	17.18	17.18
10 mph	390.87	16.17	99.26	42.45	-	-	-	156.38	705.13
15 mph	434.56	17.98	110.35	41.70	-	-	-	135.86	740.45
20 mph	318.67	13.18	80.92	35.21	-	-	-	292.20	740.18
25 mph	1,503.76	62.22	381.86	157.29	-	-	-	1,268.71	3,373.83
30 mph	1,707.88	70.66	433.69	184.27	-	-	-	1,085.10	3,481.61
35 mph	2,688.31	111.23	682.66	269.50	-	-	-	798.40	4,550.09
40 mph	731.79	30.28	185.83	105.96	-	-	-	777.48	1,831.33
45 mph	599.87	24.82	152.33	86.21	-	-	-	584.40	1,447.63
50 mph	629.73	26.05	159.91	92.47	-	-	-	526.77	1,434.93
55 mph	438.10	18.13	111.25	60.22	-	-	-	172.16	799.85
60 mph	667.19	27.60	169.42	76.67	-	-	-	6,656.24	7,597.13
65 mph	102.06	4.22	25.92	13.49	-	-	-	-	145.69
70 mph	1,373.45	56.83	348.77	287.60	-	-	-	-	2,066.64
total	7,044.04	291.44	1,788.73	730.42	-	-	-	3,736.66	28,914.49

World Logistics Center
Mobile Emissions - 2033 (Net) - Unmitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	24830	330	0.21	5214.2	4899.8	56.8	257.7
	LDT1	15	1832	330	0.21	384.7	374.0	0.1	10.7
	LDT2	15	9168	330	0.21	1925.3	1842.3	17.5	65.4
	MDT	15	2762	330	0.21	580.1	541.5	17.7	20.8
	LHDT1	15	2427	330	0.21	509.6	253.3	256.4	0.0
	LHDT2	15	1167	330	0.21	245.0	73.9	171.1	0.0
	MHDT	15	3715	330	0.21	780.2	112.7	667.6	0.0
	HHDT	15	6195	330	0.21	1301.0	1.0	1216.9	83.1
Travel at Light Logistics	LDA	15	178	175	0.11	19.6	18.4	0.2	1.0
	LDT1	15	13	175	0.11	1.4	1.4	0.0	0.0
	LDT2	15	66	175	0.11	7.2	6.9	0.1	0.2
	MDT	15	17	175	0.11	1.8	1.7	0.1	0.1
	LHDT1	15	10	175	0.11	1.1	0.5	0.5	0.0
	LHDT2	15	5	175	0.11	0.5	0.2	0.4	0.0
	MHDT	15	12	175	0.11	1.3	0.2	1.1	0.0
	HHDT	15	20	175	0.11	2.2	0.0	2.1	0.1
Travel at Utility	LDA	15	202	100	0.06	12.1	11.4	0.1	0.6
	LDT1	15	15	100	0.06	0.9	0.9	0.0	0.0
	LDT2	15	75	100	0.06	4.5	4.3	0.0	0.2
	MDT	15	43	100	0.06	2.6	2.4	0.1	0.1
	LHDT1	15	7	100	0.06	0.4	0.2	0.2	0.0
	LHDT2	15	3	100	0.06	0.2	0.1	0.1	0.0
	MHDT	15	13	100	0.06	0.8	0.1	0.6	0.0
	HHDT	15	21	100	0.06	1.3	0.0	1.2	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	131	50	0.03	3.9	0.6	3.4	0.0
	HHDT	15	218	50	0.03	6.6	0.0	6.1	0.4
Travel at Convenience Store	LDA	15	616	50	0.03	18.5	17.4	0.2	0.9
	LDT1	15	45	50	0.03	1.4	1.3	0.0	0.0
	LDT2	15	228	50	0.03	6.8	6.5	0.1	0.2
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	87	50	0.03	2.6	2.5	0.0	0.1
	LDT1	15	6	50	0.03	0.2	0.2	0.0	0.0
	LDT2	15	32	50	0.03	1.0	0.9	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	4949.4	377.8	1861.0	545.6	254.0	74.2	113.5	1.0
Diesel	57.4	0.1	17.7	17.9	257.1	171.6	672.7	1226.3
Electric/Natural Gas (HHDT Only)	260.3	10.8	66.1	21.0	0.0	0.0	0.0	83.7

World Logistics Center
Mobile Emissions - 2033 (Net) - Unmitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	1213	603	610	0	3015.2	3052.0	0.0
	LHDT2	5	583	176	407	0	880.3	2036.7	0.0
	MHDT	5	1858	268	1589	0	1341.2	7947.2	0.0
	HHDT	5	3098	2	2897	198	11.7	14487.1	989.2
Travel at Light Logistics	LHDT1	5	5	2	2	0	12.1	12.3	0.0
	LHDT2	5	2	1	2	0	3.5	8.2	0.0
	MHDT	5	6	1	5	0	4.3	25.7	0.0
	HHDT	5	10	0	9	1	0.0	46.9	3.2
Travel at Utility	LHDT1	5	3	2	2	0	8.2	8.3	0.0
	LHDT2	5	2	0	1	0	2.4	5.5	0.0
	MHDT	5	6	1	5	0	4.5	26.8	0.0
	HHDT	5	10	0	10	1	0.0	48.8	3.3
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	65	9	56	0	47.3	280.2	0.0
	HHDT	5	109	0	102	7	0.4	510.8	34.9
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	50.6	14.8	23.3	0.3
Diesel	51.2	34.2	138.0	251.6
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	17.2

World Logistics Center
Mobile Emissions - 2033 (Net) - Unmitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					13.5544	13.7389	27.1522	10.7287
10 mph	0.0140	0.0303	0.0258	0.0301	0.0319	0.0257	0.0643	1.3561
15 mph	0.0094	0.0205	0.0174	0.0202	0.0213	0.0171	0.0430	0.9007
20 mph	0.0066	0.0146	0.0123	0.0143	0.0154	0.0121	0.0303	0.6327
25 mph	0.0048	0.0109	0.0091	0.0106	0.0115	0.0090	0.0223	0.4680
30 mph	0.0038	0.0086	0.0070	0.0083	0.0090	0.0070	0.0172	0.3653
35 mph	0.0031	0.0070	0.0058	0.0068	0.0075	0.0058	0.0141	0.3010
40 mph	0.0027	0.0061	0.0050	0.0059	0.0067	0.0051	0.0123	0.2619
45 mph	0.0024	0.0056	0.0046	0.0054	0.0062	0.0047	0.0112	0.2403
50 mph	0.0024	0.0054	0.0044	0.0052	0.0060	0.0045	0.0108	0.2321
55 mph	0.0024	0.0055	0.0044	0.0053	0.0062	0.0046	0.0111	0.2363
60 mph	0.0025	0.0057	0.0047	0.0055	0.0066	0.0049	0.0118	0.2526
65 mph	0.0028	0.0063	0.0051	0.0061	0.0075	0.0055		
70 mph	0.0030	0.0072	0.0053	0.0067	0.0081	0.0055		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5107	2.3639
10 mph	0.0762	0.2598	0.1965	0.0844	0.5556	0.5580	0.0342	0.0809
15 mph	0.0377	0.1500	0.0961	0.0414	0.2768	0.2783	0.0190	0.0454
20 mph	0.0152	0.0846	0.0375	0.0164	0.1148	0.1156	0.0128	0.0286
25 mph	0.0094	0.0611	0.0225	0.0100	0.0715	0.0722	0.0100	0.0235
30 mph	0.0071	0.0493	0.0170	0.0076	0.0552	0.0557	0.0081	0.0190
35 mph	0.0057	0.0416	0.0136	0.0061	0.0451	0.0454	0.0067	0.0156
40 mph	0.0048	0.0370	0.0112	0.0051	0.0382	0.0384	0.0057	0.0134
45 mph	0.0041	0.0343	0.0095	0.0043	0.0334	0.0335	0.0052	0.0123
50 mph	0.0036	0.0332	0.0082	0.0038	0.0302	0.0303	0.0053	0.0123
55 mph	0.0033	0.0338	0.0072	0.0034	0.0276	0.0278	0.0058	0.0137
60 mph	0.0032	0.0361	0.0068	0.0032	0.0272	0.0274	0.0067	0.0159
65 mph	0.0032	0.0401	0.0069	0.0033	0.0294	0.0296		
70 mph	0.0033	0.0427	0.0069	0.0035	0.0421	0.0404		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0480
10 mph								0.3613
15 mph								0.2316
20 mph								0.1524
25 mph								0.1123
30 mph								0.0851
35 mph								0.0647
40 mph								0.0496
45 mph								0.0384
50 mph								0.0304
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.2123	0.0350	0.1469	0.0625	0.0292	0.0069	0.0301	0.0055	0.5284
15 mph	0.0567	0.0095	0.0395	0.0168	0.0078	0.0018	0.0067	0.0012	0.1400
20 mph	0.0797	0.0135	0.0559	0.0237	0.0112	0.0026	0.0094	0.0017	0.1978
25 mph	0.2933	0.0504	0.2065	0.0880	0.0419	0.0096	0.0382	0.0070	0.7350
30 mph	0.2502	0.0435	0.1765	0.0755	0.0364	0.0082	0.0269	0.0050	0.6221
35 mph	0.1672	0.0293	0.1179	0.0507	0.0248	0.0056	0.0099	0.0018	0.4072
40 mph	0.0484	0.0085	0.0341	0.0147	0.0073	0.0016	0.0096	0.0018	0.1259
45 mph	0.0370	0.0065	0.0261	0.0112	0.0056	0.0012	0.0070	0.0013	0.0960
50 mph	0.0357	0.0063	0.0250	0.0108	0.0055	0.0012	0.0110	0.0021	0.0975
55 mph	0.0290	0.0050	0.0202	0.0088	0.0045	0.0010	0.0026	0.0005	0.0716
60 mph	0.0611	0.0105	0.0424	0.0184	0.0097	0.0021	0.0028	0.0005	0.1474
65 mph	0.0085	0.0014	0.0058	0.0025	0.0014	0.0003	-	-	0.0200
70 mph	-	-	-	-	-	-	-	-	-
total	1.2791	0.2194	0.8968	0.3836	0.1854	0.0421	0.1540	0.0284	3.1888

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0176	0.0029	0.0121	0.0108	0.0063	0.0015	-	-	0.0511
15 mph	0.0117	0.0020	0.0082	0.0072	0.0042	0.0010	-	-	0.0343
20 mph	0.0082	0.0014	0.0058	0.0051	0.0030	0.0007	0.0170	0.0031	0.0444
25 mph	0.0121	0.0021	0.0085	0.0076	0.0045	0.0010	0.0219	0.0040	0.0618
30 mph	0.0188	0.0033	0.0133	0.0119	0.0071	0.0016	0.0290	0.0054	0.0903
35 mph	0.0346	0.0061	0.0244	0.0219	0.0133	0.0030	0.0237	0.0044	0.1314
40 mph	0.0333	0.0059	0.0235	0.0211	0.0131	0.0029	0.0190	0.0035	0.1223
45 mph	0.0245	0.0043	0.0172	0.0155	0.0097	0.0021	0.0126	0.0024	0.0883
50 mph	0.0266	0.0047	0.0186	0.0168	0.0106	0.0023	0.0061	0.0011	0.0868
55 mph	0.0150	0.0026	0.0105	0.0095	0.0061	0.0013	0.0031	0.0006	0.0486
60 mph	0.0095	0.0016	0.0066	0.0060	0.0039	0.0008	0.2327	0.0433	0.3044
65 mph	0.0035	0.0006	0.0024	0.0022	0.0015	0.0003	-	-	0.0105
70 mph	0.1752	0.0318	0.1155	0.1104	0.0733	0.0146	-	-	0.5209
total	0.3907	0.0691	0.2665	0.2460	0.1564	0.0332	0.3652	0.0678	1.5949

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.5120	0.4474	1.3944	0.0065	3.3603
15 mph	0.1022	0.0171	0.0712	0.0243	0.0120	0.0028	0.0108	0.0020	0.2422
25 mph	-	-	-	-	0.0122	0.0028	0.0244	0.0045	0.0439
35 mph	0.1441	0.0252	0.1016	0.0322	-	-	-	-	0.3031
total	0.2463	0.0423	0.1728	0.0565	1.5362	0.4530	1.4295	0.0129	3.9496

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.5120	0.4474	1.3944	0.0065	3.3603
10 mph	0.2299	0.0379	0.1590	0.0733	0.0354	0.0083	0.0301	0.0055	0.5795
15 mph	0.1706	0.0285	0.1189	0.0483	0.0240	0.0056	0.0175	0.0032	0.4165
20 mph	0.0879	0.0149	0.0616	0.0289	0.0143	0.0033	0.0264	0.0048	0.2421
25 mph	0.3055	0.0525	0.2151	0.0956	0.0586	0.0134	0.0845	0.0155	0.8407
30 mph	0.2690	0.0467	0.1898	0.0873	0.0435	0.0098	0.0559	0.0103	0.7124
35 mph	0.3458	0.0606	0.2438	0.1048	0.0382	0.0085	0.0336	0.0063	0.8417
40 mph	0.0817	0.0144	0.0576	0.0358	0.0204	0.0045	0.0285	0.0053	0.2482
45 mph	0.0615	0.0108	0.0433	0.0268	0.0153	0.0034	0.0196	0.0037	0.1843
50 mph	0.0623	0.0109	0.0436	0.0276	0.0161	0.0035	0.0170	0.0032	0.1843
55 mph	0.0440	0.0076	0.0307	0.0182	0.0106	0.0023	0.0057	0.0011	0.1201
60 mph	0.0706	0.0121	0.0490	0.0243	0.0135	0.0029	0.2355	0.0438	0.4519
65 mph	0.0120	0.0020	0.0082	0.0047	0.0028	0.0006	-	-	0.0305
70 mph	0.1752	0.0318	0.1155	0.1104	0.0733	0.0146	-	-	0.5209
total	1.9160	0.3309	1.3361	0.6861	1.8780	0.5284	1.9487	0.1092	8.7333

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0134	0.0000	0.0107	0.0057	0.5147	0.3450	0.0947	0.4088	1.3930
15 mph	0.0026	0.0000	0.0021	0.0011	0.1026	0.0688	0.0175	0.0764	0.2712
20 mph	0.0021	0.0000	0.0016	0.0009	0.0850	0.0572	0.0236	0.0963	0.2668
25 mph	0.0066	0.0000	0.0049	0.0027	0.2651	0.1785	0.1016	0.4345	0.9939
30 mph	0.0055	0.0000	0.0041	0.0023	0.2249	0.1514	0.0747	0.3194	0.7823
35 mph	0.0036	0.0000	0.0026	0.0015	0.1503	0.1010	0.0277	0.1179	0.4046
40 mph	0.0010	0.0000	0.0007	0.0004	0.0425	0.0285	0.0264	0.1127	0.2121
45 mph	0.0007	0.0000	0.0005	0.0003	0.0309	0.0207	0.0194	0.0830	0.1556
50 mph	0.0006	0.0000	0.0004	0.0003	0.0279	0.0187	0.0316	0.1351	0.2147
55 mph	0.0005	0.0000	0.0003	0.0002	0.0205	0.0138	0.0080	0.0345	0.0777
60 mph	0.0009	0.0000	0.0006	0.0003	0.0403	0.0271	0.0093	0.0401	0.1187
65 mph	0.0001	0.0000	0.0001	0.0000	0.0055	0.0037	-	-	0.0093
70 mph	-	-	-	-	-	-	-	-	-
total	0.0376	0.0002	0.0286	0.0158	1.5102	1.0143	0.4345	1.8587	4.9000

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0011	0.0000	0.0009	0.0010	0.1104	0.0740	-	-	0.1873
15 mph	0.0005	0.0000	0.0004	0.0005	0.0550	0.0369	-	-	0.0933
20 mph	0.0002	0.0000	0.0002	0.0002	0.0228	0.0153	0.0425	0.1736	0.2549
25 mph	0.0003	0.0000	0.0002	0.0002	0.0284	0.0191	0.0583	0.2492	0.3558
30 mph	0.0004	0.0000	0.0003	0.0004	0.0438	0.0295	0.0808	0.3455	0.5007
35 mph	0.0007	0.0000	0.0005	0.0006	0.0806	0.0541	0.0665	0.2833	0.4865
40 mph	0.0007	0.0000	0.0005	0.0006	0.0759	0.0509	0.0523	0.2235	0.4043
45 mph	0.0005	0.0000	0.0003	0.0004	0.0530	0.0356	0.0349	0.1496	0.2744
50 mph	0.0005	0.0000	0.0003	0.0004	0.0539	0.0362	0.0175	0.0749	0.1838
55 mph	0.0002	0.0000	0.0002	0.0002	0.0275	0.0185	0.0096	0.0415	0.0976
60 mph	0.0001	0.0000	0.0001	0.0001	0.0162	0.0109	0.7861	3.3738	4.1873
65 mph	0.0000	0.0000	0.0000	0.0000	0.0058	0.0039	-	-	0.0099
70 mph	0.0022	0.0000	0.0014	0.0019	0.3844	0.2461	-	-	0.6361
total	0.0076	0.0001	0.0054	0.0066	0.9578	0.6310	1.1485	4.9150	7.6719

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3583	0.2391	0.1554	1.3112	2.0640
15 mph	0.0048	0.0000	0.0038	0.0016	0.1569	0.1053	0.0282	0.1228	0.4233
25 mph	-	-	-	-	0.0770	0.0519	0.0650	0.2776	0.4715
35 mph	0.0031	0.0000	0.0023	0.0009	-	-	-	-	0.0064
total	0.0079	0.0000	0.0060	0.0026	0.5922	0.3962	0.2485	1.7117	2.9652

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3583	0.2391	0.1554	1.3112	2.0640
10 mph	0.0145	0.0000	0.0115	0.0067	0.6251	0.4189	0.0947	0.4088	1.5803
15 mph	0.0080	0.0000	0.0063	0.0032	0.3145	0.2110	0.0457	0.1992	0.7879
20 mph	0.0024	0.0000	0.0018	0.0011	0.1078	0.0725	0.0661	0.2700	0.5217
25 mph	0.0068	0.0000	0.0051	0.0029	0.3705	0.2495	0.2249	0.9614	1.8211
30 mph	0.0059	0.0000	0.0044	0.0026	0.2688	0.1809	0.1555	0.6649	1.2830
35 mph	0.0075	0.0001	0.0055	0.0031	0.2309	0.1551	0.0941	0.4012	0.8974
40 mph	0.0017	0.0000	0.0012	0.0010	0.1183	0.0794	0.0787	0.3361	0.6164
45 mph	0.0012	0.0000	0.0009	0.0007	0.0840	0.0563	0.0543	0.2326	0.4300
50 mph	0.0011	0.0000	0.0008	0.0007	0.0819	0.0549	0.0492	0.2100	0.3985
55 mph	0.0007	0.0000	0.0005	0.0004	0.0479	0.0322	0.0176	0.0760	0.1753
60 mph	0.0010	0.0000	0.0007	0.0005	0.0566	0.0380	0.7954	3.4139	4.3060
65 mph	0.0002	0.0000	0.0001	0.0001	0.0113	0.0076	-	-	0.0192
70 mph	0.0022	0.0000	0.0014	0.0019	0.3844	0.2461	-	-	0.6361
total	0.0531	0.0003	0.0401	0.0249	3.0602	2.0415	1.8315	8.4854	15.5370

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1246	0.1246
15 mph								0.0266	0.0266
20 mph								0.0350	0.0350
25 mph								0.1420	0.1420
30 mph								0.0978	0.0978
35 mph								0.0335	0.0335
40 mph								0.0285	0.0285
45 mph								0.0177	0.0177
50 mph								0.0227	0.0227
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.5283	0.5283

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0631	0.0631
25 mph								0.0815	0.0815
30 mph								0.1057	0.1057
35 mph								0.0804	0.0804
40 mph								0.0565	0.0565
45 mph								0.0319	0.0319
50 mph								0.0126	0.0126
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.3308	0.3308

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0018	0.0018
15 mph								0.0428	0.0428
25 mph								0.0907	0.0907
35 mph								-	-
total	-	-	-	-	-	-	-	0.1353	0.1353

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0018	0.0018
10 mph								0.1246	0.1246
15 mph								0.0694	0.0694
20 mph								0.0982	0.0982
25 mph								0.3142	0.3142
30 mph								0.2035	0.2035
35 mph								0.1139	0.1139
40 mph								0.0849	0.0849
45 mph								0.0495	0.0495
50 mph								0.0353	0.0353
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.0953	1.0953

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3056	1.0078	0.5416	0.5903	0.9963	0.9296	0.5468	1.4204
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS + HOTSOAK Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.6225	0.6602	1.7478	2.9823	1.6172	0.4406	0.4373	0.0099
Electric/NG	-	-	-	-	-	-	-	-
Total	**2.6225**	**0.6602**	**1.7478**	**2.9823**	**1.6172**	**0.4406**	**0.4373**	**0.0099**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2701	0.5073	0.4825	0.6495	0.0604	0.0576	0.0501	0.0517
Electric/NG	0.0316	0.0314	0.0314	0.0315	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.1592	0.1662	0.7785	1.6408	0.0490	0.0137	0.0201	0.0002
Electric/NG	0.0071	0.0003	0.0018	0.0031	-	-	-	-
Total	1.1663	0.1665	0.7803	1.6439	0.0490	0.0137	0.0201	0.0002

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1060	0.1410	0.1519	0.1755	0.0632	0.0626	0.1577	0.0013
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.9101	0.0923	0.4903	0.8868	0.1025	0.0296	0.1261	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.9101	0.0923	0.4903	0.8868	0.1025	0.0296	0.1261	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.8703	0.6865	1.5498	1.3195	5.4261
10 mph	0.2444	0.0380	0.1706	0.0801	0.6605	0.4273	0.1248	0.5389	2.2844
15 mph	0.1786	0.0285	0.1251	0.0515	0.3385	0.2166	0.0631	0.2718	1.2738
20 mph	0.0903	0.0149	0.0634	0.0300	0.1221	0.0758	0.0926	0.3730	0.8620
25 mph	0.3123	0.0525	0.2202	0.0985	0.4291	0.2629	0.3094	1.2910	2.9760
30 mph	0.2749	0.0468	0.1942	0.0900	0.3122	0.1907	0.2114	0.8787	2.1989
35 mph	0.3533	0.0607	0.2493	0.1079	0.2690	0.1636	0.1278	0.5214	1.8529
40 mph	0.0834	0.0144	0.0588	0.0368	0.1387	0.0839	0.1072	0.4264	0.9496
45 mph	0.0627	0.0108	0.0442	0.0275	0.0993	0.0597	0.0738	0.2858	0.6638
50 mph	0.0634	0.0109	0.0444	0.0283	0.0980	0.0584	0.0662	0.2485	0.6181
55 mph	0.0447	0.0077	0.0312	0.0186	0.0585	0.0345	0.0233	0.0771	0.2954
60 mph	0.0716	0.0121	0.0497	0.0248	0.0701	0.0409	1.0309	3.4577	4.7579
65 mph	0.0122	0.0020	0.0084	0.0048	0.0141	0.0082	-	-	0.0497
70 mph	0.1775	0.0319	0.1169	0.1123	0.4577	0.2607	-	-	1.1570
RL+HS	2.6225	0.6602	1.7478	2.9823	1.6172	0.4406	0.4373	0.0099	10.5178
RL+DIURN	1.1663	0.1665	0.7803	1.6439	0.0490	0.0137	0.0201	0.0002	3.8399
STREX	0.9101	0.0923	0.4903	0.8868	0.1025	0.0296	0.1261	0.0000	2.6379
total	6.6680	1.2503	4.3946	6.2240	6.7070	3.0537	4.3637	9.6999	**42.3613**

World Logistics Center
Mobile Emissions - 2033 (Net) - Unmitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.1812	1.1967	2.4104	27.1057
10 mph	0.0310	0.0568	0.0507	0.0582	0.1007	0.1082	0.2063	4.7404
15 mph	0.0272	0.0493	0.0443	0.0507	0.0881	0.0945	0.1828	4.1853
20 mph	0.0245	0.0439	0.0396	0.0452	0.0804	0.0857	0.1647	3.7718
25 mph	0.0223	0.0396	0.0357	0.0409	0.0736	0.0780	0.1497	3.4493
30 mph	0.0206	0.0365	0.0329	0.0378	0.0691	0.0727	0.1380	3.2091
35 mph	0.0194	0.0343	0.0307	0.0355	0.0659	0.0690	0.1293	3.0318
40 mph	0.0185	0.0328	0.0293	0.0340	0.0635	0.0661	0.1236	2.9034
45 mph	0.0180	0.0319	0.0284	0.0330	0.0620	0.0641	0.1195	2.8215
50 mph	0.0178	0.0319	0.0281	0.0328	0.0618	0.0633	0.1180	2.7914
55 mph	0.0180	0.0327	0.0287	0.0335	0.0630	0.0642	0.1195	2.8222
60 mph	0.0187	0.0345	0.0302	0.0352	0.0652	0.0667	0.1236	2.9132
65 mph	0.0196	0.0367	0.0316	0.0371	0.0687	0.0699		
70 mph	0.0205	0.0404	0.0319	0.0394	0.0768	0.0716		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					35.1674	35.7641	31.7886	28.4982
10 mph	0.0518	0.3155	0.1259	0.0557	0.4585	0.4714	5.2757	11.2827
15 mph	0.0364	0.2942	0.0846	0.0382	0.3659	0.3813	3.6967	7.5769
20 mph	0.0257	0.2810	0.0561	0.0262	0.3379	0.3506	2.9332	5.3459
25 mph	0.0208	0.2761	0.0429	0.0209	0.3213	0.3336	2.2884	4.4204
30 mph	0.0182	0.2740	0.0359	0.0182	0.3297	0.3401	1.7119	3.3106
35 mph	0.0165	0.2707	0.0313	0.0165	0.3509	0.3571	1.2513	2.4799
40 mph	0.0154	0.2763	0.0280	0.0153	0.3684	0.3723	0.9067	1.8073
45 mph	0.0147	0.2853	0.0255	0.0144	0.3828	0.3859	0.6787	1.3631
50 mph	0.0142	0.2906	0.0236	0.0138	0.4033	0.4059	0.5699	1.1157
55 mph	0.0138	0.3029	0.0221	0.0133	0.4023	0.4077	0.5786	1.1390
60 mph	0.0138	0.3153	0.0216	0.0132	0.4103	0.4148	0.7045	1.3691
65 mph	0.0139	0.3123	0.0217	0.0136	0.4588	0.4610		
70 mph	0.0148	0.2559	0.0225	0.0160	0.8974	0.8325		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								30.6166
10 mph								2.2028
15 mph								1.6139
20 mph								1.2385
25 mph								1.0308
30 mph								0.9069
35 mph								0.8198
40 mph								0.7560
45 mph								0.7084
50 mph								0.6733
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.4694	0.0657	0.2888	0.1209	0.0921	0.0289	0.0964	0.0193	1.1816
15 mph	0.1649	0.0228	0.1009	0.0421	0.0322	0.0101	0.0285	0.0057	0.4072
20 mph	0.2962	0.0406	0.1801	0.0752	0.0589	0.0183	0.0513	0.0103	0.7309
25 mph	1.3481	0.1831	0.8130	0.3401	0.2696	0.0834	0.2567	0.0516	3.3454
30 mph	1.3740	0.1858	0.8227	0.3454	0.2780	0.0855	0.2151	0.0436	3.3502
35 mph	1.0579	0.1428	0.6290	0.2655	0.2172	0.0663	0.0907	0.0185	2.4879
40 mph	0.3367	0.0455	0.2000	0.0846	0.0698	0.0212	0.0963	0.0197	0.8739
45 mph	0.2718	0.0369	0.1618	0.0685	0.0568	0.0171	0.0745	0.0153	0.7027
50 mph	0.2687	0.0368	0.1601	0.0680	0.0566	0.0169	0.1195	0.0247	0.7513
55 mph	0.2176	0.0302	0.1309	0.0556	0.0461	0.0137	0.0279	0.0058	0.5279
60 mph	0.4529	0.0638	0.2749	0.1168	0.0954	0.0285	0.0289	0.0059	1.0672
65 mph	0.0592	0.0085	0.0360	0.0154	0.0126	0.0037	-	-	0.1354
70 mph	-	-	-	-	-	-	-	-	-
total	6.3176	0.8624	3.7981	1.5982	1.2852	0.3937	1.0858	0.2204	15.5615

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0388	0.0054	0.0239	0.0209	0.0198	0.0062	-	-	0.1150
15 mph	0.0341	0.0047	0.0209	0.0182	0.0173	0.0054	-	-	0.1005
20 mph	0.0306	0.0042	0.0186	0.0162	0.0158	0.0049	0.0926	0.0185	0.2014
25 mph	0.0557	0.0076	0.0336	0.0294	0.0289	0.0089	0.1472	0.0296	0.3410
30 mph	0.1033	0.0140	0.0619	0.0542	0.0542	0.0167	0.2326	0.0472	0.5840
35 mph	0.2187	0.0295	0.1300	0.1147	0.1164	0.0356	0.2179	0.0446	0.9075
40 mph	0.2321	0.0314	0.1378	0.1218	0.1247	0.0378	0.1910	0.0391	0.9158
45 mph	0.1798	0.0244	0.1070	0.0946	0.0974	0.0294	0.1342	0.0277	0.6946
50 mph	0.2000	0.0274	0.1192	0.1058	0.1092	0.0327	0.0663	0.0137	0.6741
55 mph	0.1125	0.0156	0.0677	0.0601	0.0618	0.0184	0.0336	0.0069	0.3765
60 mph	0.0702	0.0099	0.0426	0.0378	0.0384	0.0115	2.4301	0.4997	3.1402
65 mph	0.0245	0.0035	0.0149	0.0133	0.0135	0.0040	-	-	0.0737
70 mph	1.1785	0.1776	0.6915	0.6505	0.6928	0.1888	-	-	3.5797
total	2.4790	0.3552	1.4696	1.3374	1.3900	0.4002	3.5456	0.7269	11.7039

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1318	0.0390	0.1238	0.0164	0.3109
15 mph	0.2973	0.0411	0.1818	0.0609	0.0493	0.0154	0.0458	0.0091	0.7008
25 mph	-	-	-	-	0.0783	0.0242	0.1640	0.0330	0.2995
35 mph	0.9116	0.1231	0.5420	0.1690	-	-	-	-	1.7457
total	1.2089	0.1641	0.7238	0.2299	0.2594	0.0786	0.3336	0.0585	3.0569

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1318	0.0390	0.1238	0.0164	0.3109
10 mph	0.5083	0.0711	0.3126	0.1418	0.1119	0.0351	0.0964	0.0193	1.2966
15 mph	0.4963	0.0686	0.3035	0.1212	0.0988	0.0310	0.0742	0.0148	1.2085
20 mph	0.3269	0.0448	0.1987	0.0914	0.0747	0.0232	0.1439	0.0287	0.9323
25 mph	1.4038	0.1907	0.8466	0.3695	0.3768	0.1165	0.5679	0.1141	3.9859
30 mph	1.4774	0.1997	0.8846	0.3997	0.3322	0.1021	0.4477	0.0908	3.9342
35 mph	2.1883	0.2954	1.3010	0.5492	0.3336	0.1019	0.3086	0.0631	5.1411
40 mph	0.5688	0.0769	0.3378	0.2064	0.1944	0.0590	0.2874	0.0589	1.7896
45 mph	0.4516	0.0613	0.2688	0.1631	0.1542	0.0465	0.2087	0.0430	1.3973
50 mph	0.4687	0.0642	0.2792	0.1738	0.1658	0.0496	0.1858	0.0383	1.4254
55 mph	0.3301	0.0458	0.1985	0.1157	0.1079	0.0321	0.0615	0.0127	0.9044
60 mph	0.5231	0.0737	0.3176	0.1546	0.1338	0.0400	2.4589	0.5056	4.2074
65 mph	0.0837	0.0120	0.0509	0.0287	0.0261	0.0077	-	-	0.2091
70 mph	1.1785	0.1776	0.6915	0.6505	0.6928	0.1888	-	-	3.5797
total	10.0055	1.3818	5.9915	3.1656	2.9347	0.8726	4.9650	1.0058	30.3224

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0091	0.0001	0.0068	0.0038	0.4247	0.2914	14.6151	56.9766	72.3275
15 mph	0.0026	0.0000	0.0018	0.0010	0.1356	0.0943	3.4136	12.7543	16.4032
20 mph	0.0036	0.0000	0.0024	0.0014	0.2504	0.1734	5.4170	17.9977	23.8460
25 mph	0.0146	0.0002	0.0093	0.0057	1.1904	0.8249	23.2441	81.8497	107.1388
30 mph	0.0141	0.0002	0.0086	0.0054	1.3436	0.9250	15.8082	55.7278	73.8329
35 mph	0.0104	0.0002	0.0061	0.0041	1.1703	0.7947	5.1995	18.7850	25.9704
40 mph	0.0032	0.0001	0.0018	0.0012	0.4095	0.2762	4.1861	15.2113	20.0894
45 mph	0.0026	0.0001	0.0014	0.0010	0.3546	0.2385	2.5067	9.1780	12.2829
50 mph	0.0025	0.0001	0.0013	0.0009	0.3736	0.2509	3.4204	12.2078	16.2575
55 mph	0.0019	0.0000	0.0010	0.0007	0.2981	0.2016	0.8015	2.8759	4.1807
60 mph	0.0039	0.0001	0.0019	0.0014	0.6081	0.4103	0.9759	3.4570	5.4585
65 mph	0.0005	0.0000	0.0002	0.0002	0.0850	0.0570	-	-	0.1429
70 mph	-	-	-	-	-	-	-	-	-
total	0.0690	0.0010	0.0426	0.0269	6.6439	4.5382	79.5882	287.0210	377.9309

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0008	0.0000	0.0006	0.0007	0.0911	0.0625	-	-	0.1555
15 mph	0.0005	0.0000	0.0004	0.0004	0.0727	0.0506	-	-	0.1246
20 mph	0.0004	0.0000	0.0003	0.0003	0.0671	0.0465	9.7656	32.4454	42.3255
25 mph	0.0006	0.0000	0.0004	0.0005	0.1276	0.0884	13.3329	46.9492	60.4997
30 mph	0.0011	0.0000	0.0006	0.0009	0.2619	0.1803	17.0990	60.2781	77.8219
35 mph	0.0022	0.0000	0.0013	0.0017	0.6274	0.4261	12.4980	45.1530	58.7096
40 mph	0.0022	0.0000	0.0013	0.0018	0.7318	0.4935	8.3011	30.1644	39.6961
45 mph	0.0017	0.0000	0.0009	0.0014	0.6083	0.4092	4.5190	16.5457	22.0863
50 mph	0.0019	0.0000	0.0010	0.0015	0.7211	0.4843	1.8973	6.7716	9.8785
55 mph	0.0010	0.0000	0.0005	0.0008	0.3995	0.2702	0.9633	3.4563	5.0916
60 mph	0.0006	0.0000	0.0003	0.0005	0.2445	0.1650	82.0990	290.8280	373.3378
65 mph	0.0002	0.0000	0.0001	0.0002	0.0911	0.0611	-	-	0.1527
70 mph	0.0099	0.0002	0.0046	0.0086	8.2002	5.0760	-	-	13.2996
total	0.0230	0.0004	0.0121	0.0192	12.2443	7.8136	150.4752	532.5917	703.1795

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.9710	2.6949	9.6728	15.8076	32.1462
15 mph	0.0046	0.0000	0.0033	0.0015	0.2074	0.1443	5.4834	20.4876	26.3321
25 mph	-	-	-	-	0.3459	0.2397	14.8535	52.3035	67.7426
35 mph	0.0090	0.0001	0.0053	0.0026	-	-	-	-	0.0170
total	0.0136	0.0002	0.0086	0.0041	4.5243	3.0789	30.0096	88.5987	126.2378

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.9710	2.6949	9.6728	15.8076	32.1462
10 mph	0.0098	0.0001	0.0074	0.0044	0.5158	0.3539	14.6151	56.9766	72.4831
15 mph	0.0077	0.0001	0.0055	0.0030	0.4157	0.2891	8.8970	33.2419	42.8599
20 mph	0.0040	0.0000	0.0027	0.0017	0.3176	0.2199	15.1826	50.4431	66.1715
25 mph	0.0152	0.0002	0.0097	0.0062	1.6639	1.1531	51.4305	181.1024	235.3811
30 mph	0.0151	0.0002	0.0092	0.0063	1.6055	1.1053	32.9072	116.0059	151.6549
35 mph	0.0216	0.0004	0.0126	0.0084	1.7977	1.2208	17.6975	63.9380	84.6970
40 mph	0.0055	0.0001	0.0031	0.0030	1.1413	0.7697	12.4872	45.3756	59.7855
45 mph	0.0043	0.0001	0.0023	0.0023	0.9629	0.6478	7.0258	25.7238	34.3692
50 mph	0.0044	0.0001	0.0022	0.0024	1.0947	0.7352	5.3177	18.9794	26.1360
55 mph	0.0029	0.0001	0.0015	0.0015	0.6977	0.4718	1.7647	6.3322	9.2723
60 mph	0.0045	0.0001	0.0022	0.0019	0.8526	0.5752	83.0748	294.2850	378.7963
65 mph	0.0007	0.0000	0.0003	0.0003	0.1761	0.1181	-	-	0.2956
70 mph	0.0099	0.0002	0.0046	0.0086	8.2002	5.0760	-	-	13.2996
total	0.1056	0.0016	0.0633	0.0502	23.4126	15.4306	260.0730	908.2114	1,207.3482

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.7596	0.7596
15 mph								0.1855	0.1855
20 mph								0.2847	0.2847
25 mph								1.3033	1.3033
30 mph								1.0424	1.0424
35 mph								0.4240	0.4240
40 mph								0.4345	0.4345
45 mph								0.3257	0.3257
50 mph								0.5031	0.5031
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.2627	5.2627

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.5132	0.5132
25 mph								0.7476	0.7476
30 mph								1.1275	1.1275
35 mph								1.0192	1.0192
40 mph								0.8615	0.8615
45 mph								0.5872	0.5872
50 mph								0.2790	0.2790
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.4076	3.4076

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.1596	1.1596
15 mph								0.2980	0.2980
25 mph								0.8328	0.8328
35 mph								-	-
total	-	-	-	-	-	-	-	2.2904	2.2904

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.1596	1.1596
10 mph								0.7596	0.7596
15 mph								0.4835	0.4835
20 mph								0.7979	0.7979
25 mph								2.8838	2.8838
30 mph								2.1699	2.1699
35 mph								1.4433	1.4433
40 mph								1.2960	1.2960
45 mph								0.9129	0.9129
50 mph								0.7821	0.7821
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	12.6885	12.6885

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	4.1027	2.7339	9.7965	16.9836	33.6167
10 mph	0.5181	0.0712	0.3200	0.1463	0.6277	0.3890	14.7115	57.7555	74.5392
15 mph	0.5040	0.0686	0.3091	0.1242	0.5145	0.3201	8.9712	33.7402	44.5518
20 mph	0.3308	0.0448	0.2014	0.0931	0.3922	0.2431	15.3265	51.2697	67.9017
25 mph	1.4190	0.1909	0.8563	0.3756	2.0407	1.2696	51.9984	184.1003	242.2508
30 mph	1.4925	0.1999	0.8938	0.4060	1.9378	1.2074	33.3549	118.2666	157.7590
35 mph	2.2099	0.2957	1.3137	0.5575	2.1313	1.3227	18.0061	65.4444	91.2813
40 mph	0.5743	0.0770	0.3409	0.2094	1.3357	0.8287	12.7746	46.7305	62.8711
45 mph	0.4559	0.0614	0.2711	0.1655	1.1171	0.6943	7.2345	26.6797	36.6794
50 mph	0.4730	0.0643	0.2815	0.1762	1.2604	0.7847	5.5036	19.7998	28.3436
55 mph	0.3331	0.0459	0.2000	0.1172	0.8055	0.5039	1.8263	6.3448	10.1767
60 mph	0.5276	0.0738	0.3197	0.1565	0.9863	0.6152	85.5338	294.7906	383.0037
65 mph	0.0844	0.0120	0.0512	0.0291	0.2022	0.1258	-	-	0.5047
70 mph	1.1884	0.1778	0.6961	0.6591	8.8931	5.2648	-	-	16.8793
STREX	1.0582	0.0968	0.4885	0.8665	0.5712	0.1728	10.4863	21.2211	34.9614
total	11.1692	1.4801	6.5434	4.0823	26.9185	16.4760	275.5242	943.1268	**1,285.3205**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1233	0.1477	0.1514	0.1715	0.3519	0.3645	0.3253	0.0752
Diesel	-	-	-	-	-	-	2.1580	2.4565
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.0582	0.0968	0.4885	0.8665	0.5712	0.1728	0.2602	0.0005
Diesel	-	-	-	-	-	-	10.2261	21.2206
Electric/NG	-	-	-	-	-	-	-	-
Total	1.0582	0.0968	0.4885	0.8665	0.5712	0.1728	10.4863	21.2211

World Logistics Center
Mobile Emissions - 2033 (Net) - Unmitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					154.9223	155.0638	387.7589	273.1447
10 mph	0.7341	0.9906	0.9514	0.9938	0.4270	0.3248	0.6076	49.6634
15 mph	0.6692	0.8958	0.8654	0.9021	0.3663	0.2896	0.5541	45.2188
20 mph	0.6128	0.8162	0.7908	0.8242	0.3263	0.2619	0.5076	41.3222
25 mph	0.5620	0.7450	0.7233	0.7542	0.2910	0.2370	0.4620	37.8661
30 mph	0.5170	0.6829	0.6637	0.6929	0.2638	0.2160	0.4206	34.7923
35 mph	0.4773	0.6292	0.6110	0.6392	0.2433	0.1986	0.3852	32.0890
40 mph	0.4426	0.5836	0.5664	0.5928	0.2276	0.1847	0.3579	29.7559
45 mph	0.4129	0.5447	0.5283	0.5530	0.2155	0.1727	0.3315	27.6657
50 mph	0.3849	0.5096	0.4923	0.5162	0.2067	0.1621	0.3094	25.7880
55 mph	0.3580	0.4758	0.4584	0.4812	0.2024	0.1542	0.2914	24.0970
60 mph	0.3277	0.4382	0.4207	0.4420	0.2009	0.1476	0.2742	22.5322
65 mph	0.3035	0.4092	0.3901	0.4110	0.2085	0.1448		
70 mph	0.2969	0.4150	0.3775	0.4045	0.2103	0.1304		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	20.9189	34.8060
10 mph	2.0777	2.1891	1.9642	2.3021	2.4363	2.4653	0.4911	1.3241
15 mph	1.0157	1.2029	0.9593	1.1246	1.2142	1.2287	0.2662	0.7220
20 mph	0.3983	0.6196	0.3737	0.4390	0.5083	0.5145	0.1779	0.4499
25 mph	0.2407	0.4373	0.2246	0.2648	0.3201	0.3242	0.1360	0.3566
30 mph	0.1826	0.3552	0.1698	0.2009	0.2501	0.2530	0.1044	0.2739
35 mph	0.1459	0.3036	0.1351	0.1606	0.2080	0.2099	0.0788	0.2060
40 mph	0.1209	0.2765	0.1115	0.1328	0.1802	0.1814	0.0591	0.1552
45 mph	0.1030	0.2656	0.0946	0.1129	0.1620	0.1629	0.0454	0.1196
50 mph	0.0900	0.2666	0.0819	0.0982	0.1523	0.1529	0.0377	0.0990
55 mph	0.0800	0.2856	0.0722	0.0869	0.1460	0.1467	0.0359	0.0956
60 mph	0.0765	0.3257	0.0683	0.0825	0.1520	0.1524	0.0401	0.1059
65 mph	0.0779	0.3840	0.0687	0.0838	0.1782	0.1779		
70 mph	0.0806	0.3866	0.0693	0.0880	0.3026	0.2859		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								34.0527
10 mph								35.8120
15 mph								25.2179
20 mph								18.2408
25 mph								13.3693
30 mph								9.8546
35 mph								7.2645
40 mph								5.3559
45 mph								3.9495
50 mph								2.9133
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	11.1118	1.1445	5.4145	2.0637	0.3907	0.0868	0.2841	0.2025	20.6986
15 mph	4.0516	0.4140	1.9700	0.7493	0.1341	0.0309	0.0863	0.0615	7.4977
20 mph	7.4202	0.7544	3.6005	1.3692	0.2389	0.0560	0.1582	0.1123	13.7097
25 mph	34.0249	3.4427	16.4668	6.2646	1.0652	0.2533	0.7921	0.5662	62.8756
30 mph	34.4346	3.4717	16.6199	6.3308	1.0623	0.2539	0.6554	0.4729	63.3015
35 mph	26.0099	2.6170	12.5180	4.7781	0.8015	0.1911	0.2702	0.1963	47.3820
40 mph	8.0385	0.8091	3.8680	1.4770	0.2500	0.0592	0.2789	0.2022	14.9828
45 mph	6.2491	0.6293	3.0065	1.1484	0.1972	0.0461	0.2067	0.1504	11.6337
50 mph	5.8259	0.5887	2.8020	1.0719	0.1891	0.0433	0.3134	0.2278	11.0622
55 mph	4.3351	0.4398	2.0871	0.7994	0.1482	0.0330	0.0681	0.0491	7.9599
60 mph	7.9372	0.8101	3.8305	1.4685	0.2941	0.0631	0.0641	0.0459	14.5135
65 mph	0.9189	0.0946	0.4440	0.1707	0.0382	0.0077	-	-	1.6740
70 mph	-	-	-	-	-	-	-	-	-
total	150.3577	15.2157	72.6277	27.6915	4.8094	1.1245	3.1775	2.2872	277.2911

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.9190	0.0947	0.4478	0.3565	0.0838	0.0186	-	-	1.9203
15 mph	0.8377	0.0856	0.4073	0.3236	0.0719	0.0166	-	-	1.7427
20 mph	0.7671	0.0780	0.3722	0.2956	0.0640	0.0150	0.2852	0.2025	2.0797
25 mph	1.4070	0.1424	0.6809	0.5410	0.1142	0.0272	0.4543	0.3248	3.6918
30 mph	2.5890	0.2610	1.2496	0.9941	0.2071	0.0495	0.7089	0.5115	6.5708
35 mph	5.3779	0.5411	2.5883	2.0633	0.4297	0.1024	0.6494	0.4718	12.2238
40 mph	5.5402	0.5576	2.6659	2.1260	0.4467	0.1058	0.5530	0.4010	12.3963
45 mph	4.1347	0.4164	1.9893	1.5868	0.3383	0.0792	0.3725	0.2712	9.1883
50 mph	4.3365	0.4382	2.0857	1.6663	0.3650	0.0836	0.1739	0.1264	9.2756
55 mph	2.2409	0.2273	1.0789	0.8630	0.1986	0.0442	0.0819	0.0590	4.7938
60 mph	1.2308	0.1256	0.5940	0.4756	0.1182	0.0254	5.3917	3.8649	11.8262
65 mph	0.3800	0.0391	0.1836	0.1474	0.0409	0.0083	-	-	0.7993
70 mph	17.0989	1.8241	8.1730	6.6743	1.8985	0.3436	-	-	36.0125
total	46.8598	4.8311	22.5164	18.1137	4.3770	0.9193	8.6708	6.2330	112.5211

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	17.2818	5.0500	19.9129	0.1655	42.4103
15 mph	7.3032	0.7462	3.5509	1.0854	0.2052	0.0474	0.1387	0.0987	13.1757
25 mph	-	-	-	-	0.3095	0.0736	0.5061	0.3618	1.2511
35 mph	22.4138	2.2552	10.7872	3.0406	-	-	-	-	38.4968
total	29.7170	3.0014	14.3382	4.1259	17.7965	5.1710	20.5578	0.6260	95.3338

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	17.2818	5.0500	19.9129	0.1655	42.4103
10 mph	12.0308	1.2391	5.8624	2.4201	0.4745	0.1054	0.2841	0.2025	22.6189
15 mph	12.1926	1.2458	5.9282	2.1582	0.4112	0.0949	0.2250	0.1602	22.4161
20 mph	8.1873	0.8324	3.9727	1.6649	0.3029	0.0710	0.4435	0.3148	15.7895
25 mph	35.4319	3.5850	17.1477	6.8056	1.4889	0.3541	1.7525	1.2527	67.8185
30 mph	37.0236	3.7327	17.8695	7.3249	1.2694	0.3034	1.3644	0.9844	69.8723
35 mph	53.8016	5.4133	25.8934	9.8819	1.2312	0.2935	0.9196	0.6681	98.1025
40 mph	13.5787	1.3667	6.5338	3.6031	0.6967	0.1650	0.8319	0.6032	27.3790
45 mph	10.3838	1.0456	4.9958	2.7352	0.5355	0.1253	0.5792	0.4216	20.8220
50 mph	10.1623	1.0270	4.8877	2.7382	0.5542	0.1269	0.4873	0.3542	20.3378
55 mph	6.5760	0.6671	3.1660	1.6625	0.3468	0.0771	0.1500	0.1082	12.7536
60 mph	9.1680	0.9357	4.4245	1.9442	0.4123	0.0885	5.4557	3.9108	26.3397
65 mph	1.2989	0.1337	0.6276	0.3181	0.0791	0.0160	-	-	2.4733
70 mph	17.0989	1.8241	8.1730	6.6743	1.8985	0.3436	-	-	36.0125
total	226.9345	23.0482	109.4823	49.9311	26.9829	7.2148	32.4061	9.1463	485.1461

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.3646	0.0004	0.1065	0.1566	2.2568	1.5239	1.3605	6.6864	12.4557
15 mph	0.0713	0.0001	0.0208	0.0306	0.4499	0.3038	0.2458	1.2153	2.3376
20 mph	0.0559	0.0001	0.0162	0.0239	0.3767	0.2544	0.3286	1.5147	2.5705
25 mph	0.1689	0.0003	0.0487	0.0721	1.1860	0.8015	1.3813	6.6023	10.2612
30 mph	0.1410	0.0003	0.0405	0.0601	1.0193	0.6882	0.9640	4.6110	7.5244
35 mph	0.0922	0.0002	0.0264	0.0393	0.6937	0.4670	0.3273	1.5602	3.2063
40 mph	0.0255	0.0001	0.0073	0.0108	0.2003	0.1346	0.2728	1.3063	1.9577
45 mph	0.0181	0.0000	0.0051	0.0077	0.1501	0.1007	0.1676	0.8053	1.2546
50 mph	0.0158	0.0000	0.0044	0.0067	0.1411	0.0945	0.2260	1.0834	1.5720
55 mph	0.0112	0.0000	0.0031	0.0047	0.1082	0.0725	0.0497	0.2413	0.4908
60 mph	0.0215	0.0001	0.0059	0.0090	0.2253	0.1507	0.0555	0.2674	0.7355
65 mph	0.0027	0.0000	0.0007	0.0011	0.0330	0.0220	-	-	0.0596
70 mph	-	-	-	-	-	-	-	-	-
total	0.9887	0.0016	0.2857	0.4227	6.8404	4.6140	5.3791	25.8937	44.4258

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0302	0.0000	0.0088	0.0271	0.4839	0.3268	-	-	0.8768
15 mph	0.0147	0.0000	0.0043	0.0132	0.2412	0.1629	-	-	0.4363
20 mph	0.0058	0.0000	0.0017	0.0052	0.1010	0.0682	0.5923	2.7306	3.5047
25 mph	0.0070	0.0000	0.0020	0.0062	0.1272	0.0859	0.7923	3.7871	4.8078
30 mph	0.0106	0.0000	0.0030	0.0094	0.1987	0.1342	1.0427	4.9875	6.3862
35 mph	0.0191	0.0000	0.0055	0.0170	0.3719	0.2504	0.7868	3.7502	5.2007
40 mph	0.0175	0.0000	0.0050	0.0156	0.3580	0.2405	0.5411	2.5904	3.7681
45 mph	0.0120	0.0000	0.0034	0.0106	0.2575	0.1727	0.3021	1.4517	2.2101
50 mph	0.0118	0.0000	0.0033	0.0104	0.2723	0.1824	0.1254	0.6010	1.2066
55 mph	0.0058	0.0000	0.0016	0.0051	0.1450	0.0972	0.0597	0.2900	0.6044
60 mph	0.0033	0.0000	0.0009	0.0029	0.0906	0.0606	4.6687	22.4988	27.3259
65 mph	0.0011	0.0000	0.0003	0.0010	0.0354	0.0236	-	-	0.0614
70 mph	0.0538	0.0003	0.0143	0.0476	2.7645	1.7434	-	-	4.6238
total	0.1927	0.0005	0.0541	0.1712	5.4471	3.5488	8.9110	42.6873	61.0128

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.9697	1.9818	6.3653	19.3064	30.6231
15 mph	0.1285	0.0002	0.0375	0.0443	0.6884	0.4648	0.3948	1.9522	3.7107
25 mph	-	-	-	-	0.3446	0.2329	0.8827	4.2190	5.6792
35 mph	0.0794	0.0002	0.0227	0.0250	-	-	-	-	0.1274
total	0.2079	0.0003	0.0602	0.0694	4.0027	2.6795	7.6428	25.4776	40.1404

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.9697	1.9818	6.3653	19.3064	30.6231
10 mph	0.3947	0.0004	0.1153	0.1837	2.7407	1.8507	1.3605	6.6864	13.3325
15 mph	0.2145	0.0003	0.0626	0.0881	1.3794	0.9315	0.6406	3.1675	6.4846
20 mph	0.0617	0.0001	0.0179	0.0291	0.4776	0.3227	0.9209	4.2453	6.0752
25 mph	0.1759	0.0003	0.0507	0.0783	1.6578	1.1204	3.0562	14.6085	20.7482
30 mph	0.1516	0.0003	0.0435	0.0696	1.2180	0.8224	2.0067	9.5986	13.9106
35 mph	0.1907	0.0004	0.0545	0.0813	1.0655	0.7174	1.1141	5.3103	8.5343
40 mph	0.0430	0.0001	0.0123	0.0265	0.5583	0.3751	0.8139	3.8967	5.7258
45 mph	0.0300	0.0001	0.0085	0.0183	0.4076	0.2734	0.4697	2.2569	3.4647
50 mph	0.0275	0.0001	0.0077	0.0171	0.4135	0.2770	0.3514	1.6844	2.7786
55 mph	0.0170	0.0001	0.0048	0.0098	0.2531	0.1697	0.1095	0.5312	1.0952
60 mph	0.0248	0.0001	0.0068	0.0119	0.3159	0.2113	4.7242	22.7663	28.0614
65 mph	0.0039	0.0000	0.0011	0.0021	0.0684	0.0456	-	-	0.1211
70 mph	0.0538	0.0003	0.0143	0.0476	2.7645	1.7434	-	-	4.6238
total	1.3893	0.0025	0.4000	0.6633	16.2902	10.8423	21.9329	94.0586	145.5791

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								12.3487	12.3487
15 mph								2.8985	2.8985
20 mph								4.1932	4.1932
25 mph								16.9033	16.9033
30 mph								11.3268	11.3268
35 mph								3.7574	3.7574
40 mph								3.0780	3.0780
45 mph								1.8158	1.8158
50 mph								2.1766	2.1766
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	58.4984	58.4984

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								7.5593	7.5593
25 mph								9.6958	9.6958
30 mph								12.2517	12.2517
35 mph								9.0316	9.0316
40 mph								6.1038	6.1038
45 mph								3.2735	3.2735
50 mph								1.2073	1.2073
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	38.5384	38.5384

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.2898	1.2898
15 mph								4.6560	4.6560
25 mph								10.8016	10.8016
35 mph								-	-
total	-	-	-	-	-	-	-	16.7473	16.7473

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.2898	1.2898
10 mph								12.3487	12.3487
15 mph								7.5545	7.5545
20 mph								11.7525	11.7525
25 mph								37.4007	37.4007
30 mph								23.5786	23.5786
35 mph								12.7890	12.7890
40 mph								9.1818	9.1818
45 mph								5.0893	5.0893
50 mph								3.3839	3.3839
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	124.3687	124.3687

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	20.2515	7.0318	26.2782	20.7616	74.3232
10 mph	12.4256	1.2396	5.9776	2.6038	3.2153	1.9561	1.6446	19.2376	48.3001
15 mph	12.4071	1.2461	5.9908	2.2463	1.7906	1.0264	0.8656	10.8823	36.4553
20 mph	8.2490	0.8325	3.9906	1.6939	0.7805	0.3936	1.3643	16.3126	33.6171
25 mph	35.6078	3.5854	17.1984	6.8839	3.1467	1.4744	4.8088	53.2619	125.9674
30 mph	37.1752	3.7330	17.9130	7.3944	2.4874	1.1258	3.3711	34.1615	107.3615
35 mph	53.9923	5.4137	25.9480	9.9633	2.2967	1.0109	2.0336	18.7674	119.4258
40 mph	13.6217	1.3668	6.5461	3.6295	1.2550	0.5401	1.6458	13.6818	42.2866
45 mph	10.4138	1.0457	5.0043	2.7535	0.9431	0.3987	1.0489	7.7678	29.3759
50 mph	10.1899	1.0270	4.8954	2.7553	0.9676	0.4039	0.8387	5.4225	26.5003
55 mph	6.5931	0.6671	3.1708	1.6723	0.5999	0.2469	0.2594	0.6394	13.8488
60 mph	9.1928	0.9358	4.4313	1.9560	0.7283	0.2998	10.1799	26.6771	54.4010
65 mph	1.3028	0.1337	0.6286	0.3202	0.1475	0.0616	-	-	2.5944
70 mph	17.1527	1.8244	8.1873	6.7219	4.6631	2.0870	-	-	40.6363
STREX	13.6005	1.0932	6.6185	10.9494	2.3568	0.6690	2.5155	0.0341	37.8369
total	241.9243	24.1439	116.5008	61.5437	45.6299	18.7260	56.8544	227.6076	**792.9307**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.5847	1.6688	2.0510	2.1672	1.4518	1.4116	3.1453	4.8827
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	13.6005	1.0932	6.6185	10.9494	2.3568	0.6690	2.5155	0.0341
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	13.6005	1.0932	6.6185	10.9494	2.3568	0.6690	2.5155	0.0341

World Logistics Center
Mobile Emissions - 2033 (Net) - Unmitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0505	0.0505	0.1271	0.1944
10 mph	0.0040	0.0047	0.0048	0.0058	0.0132	0.0152	0.0270	0.0316
15 mph	0.0033	0.0039	0.0039	0.0048	0.0108	0.0124	0.0221	0.0260
20 mph	0.0027	0.0032	0.0032	0.0040	0.0090	0.0103	0.0184	0.0216
25 mph	0.0023	0.0028	0.0028	0.0034	0.0077	0.0088	0.0157	0.0185
30 mph	0.0021	0.0024	0.0025	0.0030	0.0068	0.0078	0.0140	0.0164
35 mph	0.0019	0.0023	0.0023	0.0028	0.0063	0.0073	0.0130	0.0152
40 mph	0.0019	0.0022	0.0022	0.0027	0.0061	0.0070	0.0125	0.0147
45 mph	0.0019	0.0022	0.0022	0.0027	0.0061	0.0071	0.0126	0.0147
50 mph	0.0019	0.0023	0.0023	0.0028	0.0063	0.0073	0.0130	0.0151
55 mph	0.0020	0.0024	0.0024	0.0029	0.0066	0.0076	0.0135	0.0157
60 mph	0.0021	0.0024	0.0024	0.0030	0.0068	0.0079	0.0140	0.0163
65 mph	0.0021	0.0025	0.0025	0.0031	0.0070	0.0081		
70 mph	0.0021	0.0025	0.0025	0.0032	0.0071	0.0082		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0314	0.0508	0.0526	0.0466
10 mph	0.0033	0.0068	0.0044	0.0054	0.0081	0.0091	0.0158	0.0240
15 mph	0.0027	0.0056	0.0036	0.0046	0.0053	0.0061	0.0124	0.0180
20 mph	0.0022	0.0046	0.0030	0.0038	0.0045	0.0052	0.0106	0.0153
25 mph	0.0019	0.0039	0.0025	0.0032	0.0040	0.0046	0.0093	0.0128
30 mph	0.0016	0.0033	0.0022	0.0028	0.0036	0.0042	0.0081	0.0113
35 mph	0.0015	0.0030	0.0020	0.0026	0.0037	0.0042	0.0073	0.0102
40 mph	0.0014	0.0028	0.0018	0.0024	0.0036	0.0040	0.0067	0.0093
45 mph	0.0013	0.0027	0.0018	0.0023	0.0035	0.0039	0.0063	0.0088
50 mph	0.0013	0.0027	0.0018	0.0023	0.0036	0.0040	0.0062	0.0086
55 mph	0.0014	0.0028	0.0018	0.0024	0.0038	0.0041	0.0064	0.0089
60 mph	0.0015	0.0030	0.0020	0.0026	0.0038	0.0042	0.0068	0.0095
65 mph	0.0017	0.0034	0.0022	0.0030	0.0039	0.0042		
70 mph	0.0018	0.0035	0.0024	0.0032	0.0040	0.0042		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0610	0.0055	0.0271	0.0121	0.0121	0.0041	0.0126	0.0001	0.1346
15 mph	0.0199	0.0018	0.0089	0.0040	0.0039	0.0013	0.0034	0.0000	0.0433
20 mph	0.0332	0.0030	0.0147	0.0066	0.0066	0.0022	0.0057	0.0001	0.0720
25 mph	0.1418	0.0127	0.0630	0.0282	0.0280	0.0094	0.0269	0.0003	0.3105
30 mph	0.1385	0.0124	0.0615	0.0276	0.0274	0.0092	0.0218	0.0002	0.2986
35 mph	0.1051	0.0094	0.0467	0.0210	0.0208	0.0070	0.0091	0.0001	0.2191
40 mph	0.0339	0.0030	0.0151	0.0068	0.0067	0.0023	0.0098	0.0001	0.0776
45 mph	0.0284	0.0025	0.0126	0.0057	0.0056	0.0019	0.0078	0.0001	0.0647
50 mph	0.0293	0.0026	0.0130	0.0058	0.0058	0.0019	0.0131	0.0001	0.0717
55 mph	0.0243	0.0022	0.0108	0.0049	0.0048	0.0016	0.0031	0.0000	0.0518
60 mph	0.0501	0.0045	0.0223	0.0100	0.0100	0.0034	0.0033	0.0000	0.1036
65 mph	0.0064	0.0006	0.0029	0.0013	0.0013	0.0004	-	-	0.0129
70 mph	-	-	-	-	-	-	-	-	-
total	0.6720	0.0603	0.2986	0.1340	0.1329	0.0447	0.1168	0.0012	1.4603

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0050	0.0005	0.0022	0.0021	0.0026	0.0009	-	-	0.0133
15 mph	0.0041	0.0004	0.0018	0.0017	0.0021	0.0007	-	-	0.0109
20 mph	0.0034	0.0003	0.0015	0.0014	0.0018	0.0006	0.0103	0.0001	0.0195
25 mph	0.0059	0.0005	0.0026	0.0024	0.0030	0.0010	0.0155	0.0002	0.0311
30 mph	0.0104	0.0009	0.0046	0.0043	0.0053	0.0018	0.0235	0.0002	0.0512
35 mph	0.0217	0.0019	0.0097	0.0091	0.0111	0.0037	0.0218	0.0002	0.0793
40 mph	0.0234	0.0021	0.0104	0.0097	0.0120	0.0040	0.0194	0.0002	0.0812
45 mph	0.0188	0.0017	0.0084	0.0078	0.0096	0.0032	0.0141	0.0001	0.0638
50 mph	0.0218	0.0020	0.0097	0.0091	0.0111	0.0037	0.0073	0.0001	0.0647
55 mph	0.0126	0.0011	0.0056	0.0052	0.0064	0.0022	0.0038	0.0000	0.0370
60 mph	0.0078	0.0007	0.0035	0.0032	0.0040	0.0014	0.2754	0.0028	0.2987
65 mph	0.0027	0.0002	0.0012	0.0011	0.0014	0.0005	-	-	0.0070
70 mph	0.1238	0.0111	0.0550	0.0522	0.0643	0.0215	-	-	0.3280
total	0.2614	0.0234	0.1161	0.1095	0.1348	0.0453	0.3911	0.0040	1.0856

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0056	0.0016	0.0065	0.0001	0.0139
15 mph	0.0360	0.0032	0.0160	0.0057	0.0060	0.0020	0.0055	0.0001	0.0746
25 mph	-	-	-	-	0.0081	0.0027	0.0172	0.0002	0.0283
35 mph	0.0905	0.0081	0.0402	0.0133	-	-	-	-	0.1522
total	0.1265	0.0113	0.0562	0.0191	0.0198	0.0064	0.0293	0.0004	0.2690

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0056	0.0016	0.0065	0.0001	0.0139
10 mph	0.0661	0.0059	0.0293	0.0142	0.0146	0.0049	0.0126	0.0001	0.1479
15 mph	0.0600	0.0054	0.0267	0.0114	0.0121	0.0041	0.0090	0.0001	0.1287
20 mph	0.0366	0.0033	0.0163	0.0080	0.0083	0.0028	0.0161	0.0002	0.0915
25 mph	0.1477	0.0132	0.0656	0.0307	0.0392	0.0132	0.0596	0.0006	0.3698
30 mph	0.1489	0.0134	0.0662	0.0319	0.0327	0.0110	0.0453	0.0005	0.3498
35 mph	0.2174	0.0195	0.0966	0.0434	0.0319	0.0107	0.0309	0.0003	0.4506
40 mph	0.0573	0.0051	0.0255	0.0165	0.0187	0.0063	0.0291	0.0003	0.1588
45 mph	0.0472	0.0042	0.0210	0.0135	0.0152	0.0051	0.0220	0.0002	0.1285
50 mph	0.0511	0.0046	0.0227	0.0149	0.0169	0.0057	0.0204	0.0002	0.1364
55 mph	0.0369	0.0033	0.0164	0.0101	0.0112	0.0038	0.0069	0.0001	0.0887
60 mph	0.0579	0.0052	0.0257	0.0133	0.0140	0.0047	0.2787	0.0028	0.4023
65 mph	0.0091	0.0008	0.0040	0.0024	0.0027	0.0009	-	-	0.0199
70 mph	0.1238	0.0111	0.0550	0.0522	0.0643	0.0215	-	-	0.3280
total	1.0599	0.0950	0.4709	0.2626	0.2874	0.0964	0.5372	0.0055	2.8150

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0002	0.0004	0.0075	0.0056	0.0437	0.1210	0.1791
15 mph	0.0002	0.0000	0.0001	0.0001	0.0020	0.0015	0.0115	0.0304	0.0457
20 mph	0.0003	0.0000	0.0001	0.0002	0.0034	0.0026	0.0196	0.0516	0.0778
25 mph	0.0013	0.0000	0.0005	0.0009	0.0149	0.0114	0.0940	0.2375	0.3606
30 mph	0.0012	0.0000	0.0005	0.0008	0.0149	0.0113	0.0751	0.1895	0.2934
35 mph	0.0009	0.0000	0.0004	0.0006	0.0122	0.0093	0.0302	0.0772	0.1308
40 mph	0.0003	0.0000	0.0001	0.0002	0.0040	0.0030	0.0307	0.0785	0.1168
45 mph	0.0002	0.0000	0.0001	0.0002	0.0032	0.0024	0.0233	0.0596	0.0890
50 mph	0.0002	0.0000	0.0001	0.0002	0.0034	0.0025	0.0374	0.0945	0.1382
55 mph	0.0002	0.0000	0.0001	0.0001	0.0028	0.0020	0.0089	0.0226	0.0367
60 mph	0.0004	0.0000	0.0002	0.0003	0.0057	0.0041	0.0095	0.0240	0.0441
65 mph	0.0001	0.0000	0.0000	0.0000	0.0007	0.0005	-	-	0.0014
70 mph	-	-	-	-	-	-	-	-	-
total	0.0059	0.0000	0.0025	0.0040	0.0745	0.0561	0.3839	0.9865	1.5135

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0001	0.0016	0.0012	-	-	0.0030
15 mph	0.0000	0.0000	0.0000	0.0001	0.0011	0.0008	-	-	0.0020
20 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0007	0.0353	0.0931	0.1301
25 mph	0.0001	0.0000	0.0000	0.0001	0.0016	0.0012	0.0539	0.1363	0.1932
30 mph	0.0001	0.0000	0.0000	0.0001	0.0029	0.0022	0.0812	0.2050	0.2916
35 mph	0.0002	0.0000	0.0001	0.0003	0.0065	0.0050	0.0725	0.1857	0.2703
40 mph	0.0002	0.0000	0.0001	0.0003	0.0071	0.0053	0.0610	0.1557	0.2296
45 mph	0.0002	0.0000	0.0001	0.0002	0.0055	0.0041	0.0420	0.1074	0.1594
50 mph	0.0002	0.0000	0.0001	0.0002	0.0065	0.0048	0.0207	0.0524	0.0849
55 mph	0.0001	0.0000	0.0000	0.0001	0.0038	0.0027	0.0107	0.0272	0.0446
60 mph	0.0001	0.0000	0.0000	0.0001	0.0023	0.0017	0.7977	2.0162	2.8180
65 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	-	-	0.0014
70 mph	0.0012	0.0000	0.0005	0.0017	0.0361	0.0259	-	-	0.0654
total	0.0024	0.0000	0.0010	0.0034	0.0766	0.0561	1.1750	2.9789	4.2934

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0035	0.0038	0.0160	0.0259	0.0493
15 mph	0.0003	0.0000	0.0001	0.0002	0.0030	0.0023	0.0184	0.0488	0.0731
25 mph	-	-	-	-	0.0043	0.0033	0.0601	0.1518	0.2195
35 mph	0.0008	0.0000	0.0003	0.0004	-	-	-	-	0.0015
total	0.0011	0.0000	0.0005	0.0006	0.0109	0.0094	0.0945	0.2264	0.3434

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0035	0.0038	0.0160	0.0259	0.0493
10 mph	0.0006	0.0000	0.0003	0.0004	0.0092	0.0068	0.0437	0.1210	0.1821
15 mph	0.0006	0.0000	0.0002	0.0004	0.0060	0.0046	0.0299	0.0791	0.1208
20 mph	0.0003	0.0000	0.0001	0.0003	0.0043	0.0032	0.0549	0.1447	0.2079
25 mph	0.0014	0.0000	0.0006	0.0010	0.0208	0.0159	0.2081	0.5256	0.7733
30 mph	0.0013	0.0000	0.0006	0.0010	0.0178	0.0135	0.1563	0.3946	0.5850
35 mph	0.0019	0.0000	0.0008	0.0013	0.0187	0.0142	0.1027	0.2629	0.4026
40 mph	0.0005	0.0000	0.0002	0.0005	0.0110	0.0083	0.0917	0.2343	0.3465
45 mph	0.0004	0.0000	0.0002	0.0004	0.0087	0.0065	0.0653	0.1669	0.2484
50 mph	0.0004	0.0000	0.0002	0.0004	0.0099	0.0073	0.0581	0.1468	0.2231
55 mph	0.0003	0.0000	0.0001	0.0003	0.0066	0.0048	0.0195	0.0497	0.0814
60 mph	0.0005	0.0000	0.0002	0.0004	0.0080	0.0058	0.8071	2.0402	2.8621
65 mph	0.0001	0.0000	0.0000	0.0001	0.0015	0.0011	-	-	0.0028
70 mph	0.0012	0.0000	0.0005	0.0017	0.0361	0.0259	-	-	0.0654
total	0.0095	0.0000	0.0039	0.0080	0.1620	0.1217	1.6535	4.1918	6.1504

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
15 mph								-	-
25 mph								-	-
35 mph								-	-
total	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0092	0.0055	0.0225	0.0260	0.0632
10 mph	0.0667	0.0059	0.0296	0.0147	0.0238	0.0118	0.0564	0.1212	0.3300
15 mph	0.0606	0.0054	0.0269	0.0118	0.0181	0.0087	0.0389	0.0792	0.2495
20 mph	0.0370	0.0033	0.0164	0.0083	0.0126	0.0060	0.0710	0.1449	0.2994
25 mph	0.1491	0.0132	0.0662	0.0316	0.0600	0.0291	0.2677	0.5262	1.1431
30 mph	0.1502	0.0134	0.0667	0.0329	0.0505	0.0245	0.2016	0.3950	0.9347
35 mph	0.2192	0.0195	0.0974	0.0446	0.0506	0.0250	0.1337	0.2632	0.8532
40 mph	0.0578	0.0051	0.0257	0.0170	0.0297	0.0146	0.1208	0.2346	0.5053
45 mph	0.0476	0.0042	0.0211	0.0139	0.0239	0.0116	0.0873	0.1672	0.3769
50 mph	0.0515	0.0046	0.0228	0.0153	0.0268	0.0129	0.0785	0.1471	0.3595
55 mph	0.0372	0.0033	0.0165	0.0104	0.0178	0.0086	0.0265	0.0498	0.1701
60 mph	0.0583	0.0052	0.0259	0.0137	0.0220	0.0105	1.0858	2.0430	3.2644
65 mph	0.0092	0.0008	0.0041	0.0025	0.0042	0.0020	-	-	0.0227
70 mph	0.1250	0.0111	0.0555	0.0540	0.1004	0.0474	-	-	0.3934
STREX	0.0037	0.0003	0.0017	0.0032	0.0003	0.0001	0.0003	0.0000	0.0095
total	1.0730	0.0954	0.4765	0.2738	0.4497	0.2181	2.1909	4.1973	**8.9748**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0004	0.0005	0.0005	0.0006	0.0002	0.0002	0.0003	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0037	0.0003	0.0017	0.0032	0.0003	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0037	0.0003	0.0017	0.0032	0.0003	0.0001	0.0003	0.0000

World Logistics Center
Mobile Emissions - 2033 (Net) - Unmitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0384	0.0369	0.0370	0.0385
10 mph	0.0036	0.0043	0.0038	0.0039	0.0049	0.0046	0.0047	0.0049
15 mph	0.0024	0.0029	0.0025	0.0026	0.0032	0.0031	0.0031	0.0032
20 mph	0.0017	0.0020	0.0018	0.0018	0.0023	0.0022	0.0022	0.0023
25 mph	0.0012	0.0015	0.0013	0.0013	0.0017	0.0016	0.0016	0.0017
30 mph	0.0010	0.0012	0.0010	0.0010	0.0013	0.0012	0.0013	0.0013
35 mph	0.0008	0.0010	0.0008	0.0009	0.0011	0.0010	0.0010	0.0011
40 mph	0.0007	0.0008	0.0007	0.0007	0.0009	0.0009	0.0009	0.0009
45 mph	0.0006	0.0008	0.0007	0.0007	0.0009	0.0008	0.0008	0.0009
50 mph	0.0006	0.0007	0.0006	0.0007	0.0008	0.0008	0.0008	0.0008
55 mph	0.0006	0.0007	0.0007	0.0007	0.0008	0.0008	0.0008	0.0008
60 mph	0.0007	0.0008	0.0007	0.0007	0.0009	0.0009	0.0009	0.0009
65 mph	0.0007	0.0009	0.0008	0.0007	0.0010	0.0010		
70 mph	0.0008	0.0010	0.0009	0.0009	0.0011	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7943	0.7984	0.0129	0.0115
10 mph	0.0043	0.0789	0.0089	0.0039	0.0186	0.0295	0.0046	0.0114
15 mph	0.0036	0.0584	0.0077	0.0033	0.0148	0.0245	0.0036	0.0087
20 mph	0.0029	0.0451	0.0065	0.0028	0.0125	0.0207	0.0030	0.0063
25 mph	0.0024	0.0361	0.0056	0.0024	0.0105	0.0175	0.0028	0.0065
30 mph	0.0021	0.0302	0.0049	0.0021	0.0092	0.0154	0.0031	0.0070
35 mph	0.0019	0.0264	0.0045	0.0019	0.0084	0.0140	0.0037	0.0084
40 mph	0.0017	0.0241	0.0041	0.0018	0.0078	0.0128	0.0047	0.0107
45 mph	0.0016	0.0229	0.0038	0.0016	0.0073	0.0120	0.0061	0.0139
50 mph	0.0015	0.0227	0.0036	0.0015	0.0070	0.0114	0.0078	0.0178
55 mph	0.0015	0.0236	0.0034	0.0015	0.0067	0.0108	0.0100	0.0233
60 mph	0.0015	0.0255	0.0033	0.0015	0.0067	0.0108	0.0125	0.0287
65 mph	0.0015	0.0287	0.0033	0.0015	0.0072	0.0112		
70 mph	0.0016	0.0315	0.0033	0.0017	0.0102	0.0135		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0266
10 mph								0.0058
15 mph								0.0048
20 mph								0.0042
25 mph								0.0038
30 mph								0.0035
35 mph								0.0033
40 mph								0.0031
45 mph								0.0031
50 mph								0.0030
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0542	0.0050	0.0217	0.0081	0.0044	0.0012	0.0022	0.0000	0.0968
15 mph	0.0144	0.0013	0.0058	0.0022	0.0012	0.0003	0.0005	0.0000	0.0256
20 mph	0.0201	0.0019	0.0081	0.0030	0.0017	0.0005	0.0007	0.0000	0.0359
25 mph	0.0744	0.0069	0.0298	0.0112	0.0061	0.0017	0.0028	0.0000	0.1329
30 mph	0.0637	0.0059	0.0255	0.0096	0.0052	0.0015	0.0020	0.0000	0.1135
35 mph	0.0429	0.0040	0.0172	0.0064	0.0035	0.0010	0.0007	0.0000	0.0757
40 mph	0.0124	0.0012	0.0050	0.0019	0.0010	0.0003	0.0007	0.0000	0.0224
45 mph	0.0095	0.0009	0.0038	0.0014	0.0008	0.0002	0.0005	0.0000	0.0170
50 mph	0.0091	0.0008	0.0036	0.0014	0.0008	0.0002	0.0008	0.0000	0.0168
55 mph	0.0074	0.0007	0.0030	0.0011	0.0006	0.0002	0.0002	0.0000	0.0132
60 mph	0.0160	0.0015	0.0064	0.0024	0.0013	0.0004	0.0002	0.0000	0.0281
65 mph	0.0023	0.0002	0.0009	0.0003	0.0002	0.0001	-	-	0.0039
70 mph	-	-	-	-	-	-	-	-	-
total	0.3263	0.0304	0.1307	0.0489	0.0268	0.0075	0.0112	0.0001	0.5818

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0045	0.0004	0.0018	0.0014	0.0010	0.0003	-	-	0.0093
15 mph	0.0030	0.0003	0.0012	0.0009	0.0006	0.0002	-	-	0.0062
20 mph	0.0021	0.0002	0.0008	0.0007	0.0004	0.0001	0.0012	0.0000	0.0056
25 mph	0.0031	0.0003	0.0012	0.0010	0.0007	0.0002	0.0016	0.0000	0.0080
30 mph	0.0048	0.0004	0.0019	0.0015	0.0010	0.0003	0.0021	0.0000	0.0121
35 mph	0.0089	0.0008	0.0035	0.0028	0.0019	0.0005	0.0017	0.0000	0.0202
40 mph	0.0085	0.0008	0.0034	0.0027	0.0018	0.0005	0.0014	0.0000	0.0192
45 mph	0.0063	0.0006	0.0025	0.0020	0.0013	0.0004	0.0009	0.0000	0.0139
50 mph	0.0068	0.0006	0.0027	0.0021	0.0015	0.0004	0.0004	0.0000	0.0146
55 mph	0.0038	0.0004	0.0015	0.0012	0.0008	0.0002	0.0002	0.0000	0.0082
60 mph	0.0025	0.0002	0.0010	0.0008	0.0005	0.0001	0.0170	0.0002	0.0223
65 mph	0.0009	0.0001	0.0004	0.0003	0.0002	0.0001	-	-	0.0019
70 mph	0.0473	0.0043	0.0184	0.0145	0.0100	0.0028	-	-	0.0973
total	0.1024	0.0094	0.0405	0.0318	0.0217	0.0060	0.0266	0.0002	0.2387

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0043	0.0012	0.0019	0.0000	0.0074
15 mph	0.0259	0.0024	0.0104	0.0031	0.0018	0.0005	0.0008	0.0000	0.0449
25 mph	-	-	-	-	0.0018	0.0005	0.0018	0.0000	0.0041
35 mph	0.0369	0.0034	0.0148	0.0041	-	-	-	-	0.0593
total	0.0628	0.0058	0.0252	0.0072	0.0079	0.0022	0.0044	0.0000	0.1156

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0043	0.0012	0.0019	0.0000	0.0074
10 mph	0.0586	0.0054	0.0235	0.0095	0.0054	0.0015	0.0022	0.0000	0.1061
15 mph	0.0432	0.0040	0.0173	0.0062	0.0036	0.0010	0.0013	0.0000	0.0767
20 mph	0.0222	0.0021	0.0089	0.0037	0.0021	0.0006	0.0019	0.0000	0.0415
25 mph	0.0774	0.0072	0.0311	0.0121	0.0085	0.0024	0.0061	0.0001	0.1450
30 mph	0.0685	0.0064	0.0275	0.0111	0.0063	0.0017	0.0041	0.0000	0.1256
35 mph	0.0887	0.0083	0.0355	0.0133	0.0054	0.0015	0.0025	0.0000	0.1551
40 mph	0.0209	0.0020	0.0084	0.0045	0.0028	0.0008	0.0021	0.0000	0.0415
45 mph	0.0157	0.0015	0.0063	0.0034	0.0021	0.0006	0.0014	0.0000	0.0310
50 mph	0.0159	0.0015	0.0064	0.0035	0.0022	0.0006	0.0012	0.0000	0.0313
55 mph	0.0113	0.0010	0.0045	0.0023	0.0014	0.0004	0.0004	0.0000	0.0214
60 mph	0.0184	0.0017	0.0074	0.0032	0.0018	0.0005	0.0172	0.0002	0.0504
65 mph	0.0032	0.0003	0.0013	0.0006	0.0004	0.0001	-	-	0.0058
70 mph	0.0473	0.0043	0.0184	0.0145	0.0100	0.0028	-	-	0.0973
total	0.4915	0.0456	0.1963	0.0879	0.0564	0.0157	0.0422	0.0004	0.9361

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0005	0.0003	0.0172	0.0183	0.0126	0.0578	0.1074
15 mph	0.0002	0.0000	0.0002	0.0001	0.0055	0.0061	0.0033	0.0146	0.0300
20 mph	0.0004	0.0000	0.0003	0.0002	0.0092	0.0102	0.0055	0.0211	0.0470
25 mph	0.0017	0.0000	0.0012	0.0006	0.0387	0.0432	0.0289	0.1204	0.2348
30 mph	0.0016	0.0000	0.0012	0.0006	0.0376	0.0419	0.0284	0.1181	0.2295
35 mph	0.0012	0.0000	0.0009	0.0005	0.0281	0.0311	0.0153	0.0637	0.1407
40 mph	0.0004	0.0000	0.0003	0.0001	0.0086	0.0095	0.0216	0.0901	0.1307
45 mph	0.0003	0.0000	0.0002	0.0001	0.0068	0.0074	0.0224	0.0937	0.1309
50 mph	0.0003	0.0000	0.0002	0.0001	0.0065	0.0070	0.0470	0.1950	0.2561
55 mph	0.0002	0.0000	0.0001	0.0001	0.0050	0.0054	0.0138	0.0588	0.0834
60 mph	0.0004	0.0000	0.0003	0.0002	0.0099	0.0106	0.0173	0.0726	0.1113
65 mph	0.0001	0.0000	0.0000	0.0000	0.0013	0.0014	-	-	0.0028
70 mph	-	-	-	-	-	-	-	-	-
total	0.0075	0.0001	0.0053	0.0029	0.1744	0.1922	0.2163	0.9059	1.5046

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0000	0.0037	0.0039	-	-	0.0078
15 mph	0.0001	0.0000	0.0000	0.0000	0.0029	0.0032	-	-	0.0063
20 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0027	0.0100	0.0381	0.0534
25 mph	0.0001	0.0000	0.0001	0.0001	0.0042	0.0046	0.0166	0.0690	0.0946
30 mph	0.0001	0.0000	0.0001	0.0001	0.0073	0.0082	0.0307	0.1277	0.1743
35 mph	0.0002	0.0000	0.0002	0.0002	0.0150	0.0167	0.0369	0.1531	0.2223
40 mph	0.0002	0.0000	0.0002	0.0002	0.0155	0.0170	0.0429	0.1787	0.2548
45 mph	0.0002	0.0000	0.0001	0.0002	0.0116	0.0127	0.0404	0.1689	0.2341
50 mph	0.0002	0.0000	0.0001	0.0002	0.0125	0.0136	0.0261	0.1082	0.1608
55 mph	0.0001	0.0000	0.0001	0.0001	0.0066	0.0072	0.0166	0.0707	0.1014
60 mph	0.0001	0.0000	0.0000	0.0001	0.0040	0.0043	1.4572	6.1039	7.5695
65 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0015	-	-	0.0030
70 mph	0.0011	0.0000	0.0007	0.0009	0.0933	0.0825	-	-	0.1785
total	0.0025	0.0000	0.0017	0.0020	0.1806	0.1782	1.6774	7.0183	9.0607

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0897	0.0602	0.0039	0.0064	0.1601
15 mph	0.0005	0.0000	0.0003	0.0001	0.0084	0.0093	0.0053	0.0235	0.0473
25 mph	-	-	-	-	0.0113	0.0126	0.0185	0.0769	0.1192
35 mph	0.0010	0.0000	0.0007	0.0003	-	-	-	-	0.0021
total	0.0015	0.0000	0.0010	0.0004	0.1093	0.0820	0.0277	0.1067	0.3287

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0897	0.0602	0.0039	0.0064	0.1601
10 mph	0.0008	0.0000	0.0005	0.0003	0.0209	0.0222	0.0126	0.0578	0.1151
15 mph	0.0008	0.0000	0.0005	0.0003	0.0168	0.0186	0.0086	0.0381	0.0836
20 mph	0.0005	0.0000	0.0003	0.0002	0.0117	0.0130	0.0155	0.0592	0.1004
25 mph	0.0018	0.0000	0.0013	0.0007	0.0541	0.0604	0.0639	0.2663	0.4486
30 mph	0.0017	0.0000	0.0013	0.0007	0.0449	0.0501	0.0591	0.2458	0.4037
35 mph	0.0024	0.0000	0.0018	0.0010	0.0431	0.0477	0.0522	0.2168	0.3651
40 mph	0.0006	0.0000	0.0004	0.0003	0.0241	0.0266	0.0646	0.2689	0.3855
45 mph	0.0005	0.0000	0.0003	0.0003	0.0184	0.0201	0.0628	0.2626	0.3649
50 mph	0.0005	0.0000	0.0003	0.0003	0.0190	0.0206	0.0731	0.3032	0.4170
55 mph	0.0003	0.0000	0.0002	0.0002	0.0116	0.0126	0.0305	0.1295	0.1848
60 mph	0.0005	0.0000	0.0003	0.0002	0.0139	0.0149	1.4745	6.1765	7.6808
65 mph	0.0001	0.0000	0.0001	0.0000	0.0028	0.0029	-	-	0.0058
70 mph	0.0011	0.0000	0.0007	0.0009	0.0933	0.0825	-	-	0.1785
total	0.0115	0.0002	0.0081	0.0054	0.4643	0.4523	1.9214	8.0309	10.8941

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0020	0.0020
15 mph								0.0006	0.0006
20 mph								0.0010	0.0010
25 mph								0.0048	0.0048
30 mph								0.0040	0.0040
35 mph								0.0017	0.0017
40 mph								0.0018	0.0018
45 mph								0.0014	0.0014
50 mph								0.0023	0.0023
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0195	0.0195

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0017	0.0017
25 mph								0.0027	0.0027
30 mph								0.0044	0.0044
35 mph								0.0041	0.0041
40 mph								0.0036	0.0036
45 mph								0.0025	0.0025
50 mph								0.0012	0.0012
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0129	0.0129

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0009	0.0009
25 mph								0.0031	0.0031
35 mph								-	-
total	-	-	-	-	-	-	-	0.0050	0.0050

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0020	0.0020
15 mph								0.0015	0.0015
20 mph								0.0027	0.0027
25 mph								0.0106	0.0106
30 mph								0.0084	0.0084
35 mph								0.0058	0.0058
40 mph								0.0054	0.0054
45 mph								0.0039	0.0039
50 mph								0.0035	0.0035
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0448	0.0448

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0940	0.0614	0.0058	0.0074	0.1686
10 mph	0.0595	0.0054	0.0240	0.0098	0.0263	0.0237	0.0148	0.0598	0.2233
15 mph	0.0440	0.0040	0.0178	0.0065	0.0204	0.0196	0.0099	0.0395	0.1617
20 mph	0.0227	0.0021	0.0092	0.0039	0.0138	0.0135	0.0175	0.0619	0.1446
25 mph	0.0792	0.0072	0.0323	0.0128	0.0627	0.0628	0.0701	0.2770	0.6042
30 mph	0.0703	0.0064	0.0287	0.0118	0.0512	0.0519	0.0632	0.2542	0.5377
35 mph	0.0911	0.0083	0.0373	0.0143	0.0485	0.0492	0.0547	0.2226	0.5260
40 mph	0.0215	0.0020	0.0088	0.0049	0.0269	0.0274	0.0666	0.2743	0.4325
45 mph	0.0162	0.0015	0.0066	0.0036	0.0205	0.0207	0.0642	0.2665	0.3998
50 mph	0.0164	0.0015	0.0067	0.0038	0.0212	0.0212	0.0743	0.3067	0.4518
55 mph	0.0116	0.0011	0.0047	0.0025	0.0130	0.0130	0.0309	0.1295	0.2062
60 mph	0.0189	0.0017	0.0077	0.0034	0.0158	0.0154	1.4917	6.1766	7.7312
65 mph	0.0033	0.0003	0.0013	0.0006	0.0031	0.0030	-	-	0.0116
70 mph	0.0483	0.0043	0.0191	0.0154	0.1033	0.0853	-	-	0.2758
STREX	0.0098	0.0009	0.0038	0.0062	0.0005	0.0001	0.0003	0.0000	0.0217
total	0.5128	0.0467	0.2082	0.0994	0.5213	0.4682	1.9640	8.0761	**11.8966**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0011	0.0013	0.0012	0.0012	0.0003	0.0003	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0098	0.0009	0.0038	0.0062	0.0005	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0098	0.0009	0.0038	0.0062	0.0005	0.0001	0.0003	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	13.5469	1.0340	5.0936	1.8585	1.5455	0.5193	1.1091	0.0056
Diesel	0.1571	0.0002	0.0485	0.0609	1.6385	1.2509	6.5719	8.0966
Electric/NG	0.7124	0.0295	0.1809	0.0714	-	-	-	0.5617
Total	14.4164	1.0637	5.3230	1.9908	3.1840	1.7702	7.6811	8.6638

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5.6020	0.4276	2.1063	1.6051	1.6570	0.5568	3.9990	0.0200
Diesel	0.0649	0.0001	0.0201	0.0526	1.7567	1.3412	23.6951	29.1922
Electric/NG	0.2946	0.0122	0.0748	0.0617	-	-	-	2.0253
Total	5.9616	0.4398	2.2012	1.7193	3.4138	1.8980	27.6942	31.2375

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.5897	0.1977	0.9737	0.2667	0.1371	0.0461	0.1916	0.0010
Diesel	0.0300	0.0000	0.0093	0.0087	0.1454	0.1110	1.1350	1.3984
Electric/NG	0.1362	0.0056	0.0346	0.0103	-	-	-	0.0970
Total	2.7559	0.2033	1.0176	0.2857	0.2825	0.1570	1.3266	1.4963

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	21.7386	1.6593	8.1737	3.7302	3.3396	1.1221	5.2997	0.0265	45.0898
Diesel	0.2520	0.0003	0.0779	0.1222	3.5406	2.7031	31.4021	38.6872	76.7853
Electric/NG	1.1433	0.0473	0.2903	0.1434	-	-	-	2.6840	4.3082
Total	23.1339	1.7068	8.5418	3.9958	6.8802	3.8252	36.7018	41.3977	**126.1833**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	118.3474
Internal	86.9269
Total	**205.2743**

World Logistics Center
Mobile Emissions - 2033 (Net) - Unmitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0353	0.0339	0.0340	0.0354
10 mph	0.0033	0.0040	0.0035	0.0036	0.0045	0.0043	0.0043	0.0045
15 mph	0.0022	0.0027	0.0023	0.0024	0.0030	0.0028	0.0029	0.0030
20 mph	0.0015	0.0019	0.0016	0.0017	0.0021	0.0020	0.0020	0.0021
25 mph	0.0011	0.0014	0.0012	0.0012	0.0015	0.0015	0.0015	0.0015
30 mph	0.0009	0.0011	0.0009	0.0010	0.0012	0.0011	0.0012	0.0012
35 mph	0.0007	0.0009	0.0008	0.0008	0.0010	0.0009	0.0009	0.0010
40 mph	0.0006	0.0008	0.0007	0.0007	0.0009	0.0008	0.0008	0.0009
45 mph	0.0006	0.0007	0.0006	0.0006	0.0008	0.0007	0.0007	0.0008
50 mph	0.0006	0.0007	0.0006	0.0006	0.0008	0.0007	0.0007	0.0008
55 mph	0.0006	0.0007	0.0006	0.0006	0.0008	0.0007	0.0007	0.0008
60 mph	0.0006	0.0007	0.0006	0.0007	0.0008	0.0008	0.0008	0.0008
65 mph	0.0007	0.0008	0.0007	0.0007	0.0009	0.0009		
70 mph	0.0008	0.0009	0.0008	0.0008	0.0010	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7599	0.7639	0.0123	0.0110
10 mph	0.0041	0.0755	0.0085	0.0038	0.0178	0.0283	0.0044	0.0110
15 mph	0.0034	0.0559	0.0073	0.0032	0.0142	0.0234	0.0034	0.0083
20 mph	0.0028	0.0431	0.0062	0.0027	0.0119	0.0198	0.0029	0.0060
25 mph	0.0023	0.0346	0.0053	0.0023	0.0100	0.0167	0.0027	0.0062
30 mph	0.0020	0.0289	0.0047	0.0020	0.0088	0.0148	0.0029	0.0067
35 mph	0.0018	0.0252	0.0043	0.0018	0.0080	0.0134	0.0035	0.0080
40 mph	0.0016	0.0231	0.0039	0.0017	0.0074	0.0123	0.0045	0.0102
45 mph	0.0015	0.0220	0.0036	0.0016	0.0070	0.0115	0.0058	0.0133
50 mph	0.0015	0.0217	0.0034	0.0015	0.0067	0.0109	0.0075	0.0171
55 mph	0.0014	0.0226	0.0032	0.0014	0.0064	0.0104	0.0096	0.0223
60 mph	0.0014	0.0244	0.0031	0.0014	0.0064	0.0103	0.0120	0.0275
65 mph	0.0015	0.0275	0.0032	0.0014	0.0069	0.0107		
70 mph	0.0015	0.0301	0.0032	0.0016	0.0098	0.0129		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0255
10 mph								0.0055
15 mph								0.0046
20 mph								0.0040
25 mph								0.0036
30 mph								0.0034
35 mph								0.0031
40 mph								0.0030
45 mph								0.0029
50 mph								0.0029
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0498	0.0046	0.0199	0.0074	0.0041	0.0011	0.0020	0.0000	0.0890
15 mph	0.0132	0.0012	0.0053	0.0020	0.0011	0.0003	0.0004	0.0000	0.0236
20 mph	0.0185	0.0017	0.0074	0.0028	0.0015	0.0004	0.0006	0.0000	0.0330
25 mph	0.0684	0.0064	0.0274	0.0103	0.0056	0.0016	0.0025	0.0000	0.1222
30 mph	0.0586	0.0055	0.0235	0.0088	0.0048	0.0013	0.0018	0.0000	0.1043
35 mph	0.0394	0.0037	0.0158	0.0059	0.0032	0.0009	0.0007	0.0000	0.0696
40 mph	0.0114	0.0011	0.0046	0.0017	0.0009	0.0003	0.0006	0.0000	0.0206
45 mph	0.0087	0.0008	0.0035	0.0013	0.0007	0.0002	0.0005	0.0000	0.0157
50 mph	0.0084	0.0008	0.0033	0.0013	0.0007	0.0002	0.0007	0.0000	0.0154
55 mph	0.0068	0.0006	0.0027	0.0010	0.0006	0.0002	0.0002	0.0000	0.0121
60 mph	0.0147	0.0014	0.0059	0.0022	0.0012	0.0003	0.0002	0.0000	0.0258
65 mph	0.0021	0.0002	0.0008	0.0003	0.0002	0.0000	-	-	0.0036
70 mph	-	-	-	-	-	-	-	-	-
total	0.3000	0.0279	0.1201	0.0450	0.0247	0.0069	0.0103	0.0001	0.5350

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0041	0.0004	0.0016	0.0013	0.0009	0.0002	-	-	0.0086
15 mph	0.0027	0.0003	0.0011	0.0009	0.0006	0.0002	-	-	0.0057
20 mph	0.0019	0.0002	0.0008	0.0006	0.0004	0.0001	0.0011	0.0000	0.0051
25 mph	0.0028	0.0003	0.0011	0.0009	0.0006	0.0002	0.0015	0.0000	0.0074
30 mph	0.0044	0.0004	0.0018	0.0014	0.0009	0.0003	0.0019	0.0000	0.0111
35 mph	0.0082	0.0008	0.0033	0.0026	0.0017	0.0005	0.0016	0.0000	0.0186
40 mph	0.0079	0.0007	0.0031	0.0025	0.0017	0.0005	0.0013	0.0000	0.0176
45 mph	0.0058	0.0005	0.0023	0.0018	0.0012	0.0003	0.0008	0.0000	0.0128
50 mph	0.0062	0.0006	0.0025	0.0020	0.0013	0.0004	0.0004	0.0000	0.0134
55 mph	0.0035	0.0003	0.0014	0.0011	0.0008	0.0002	0.0002	0.0000	0.0076
60 mph	0.0023	0.0002	0.0009	0.0007	0.0005	0.0001	0.0156	0.0001	0.0205
65 mph	0.0009	0.0001	0.0003	0.0003	0.0002	0.0001	-	-	0.0018
70 mph	0.0435	0.0040	0.0169	0.0134	0.0092	0.0025	-	-	0.0894
total	0.0941	0.0087	0.0372	0.0292	0.0200	0.0056	0.0245	0.0002	0.2195

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0039	0.0011	0.0017	0.0000	0.0068
15 mph	0.0238	0.0022	0.0096	0.0029	0.0017	0.0005	0.0007	0.0000	0.0413
25 mph	-	-	-	-	0.0016	0.0005	0.0016	0.0000	0.0037
35 mph	0.0340	0.0032	0.0136	0.0038	-	-	-	-	0.0545
total	0.0578	0.0054	0.0231	0.0066	0.0072	0.0020	0.0041	0.0000	0.1063

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0039	0.0011	0.0017	0.0000	0.0068
10 mph	0.0539	0.0050	0.0216	0.0087	0.0050	0.0014	0.0020	0.0000	0.0976
15 mph	0.0398	0.0037	0.0159	0.0057	0.0033	0.0009	0.0012	0.0000	0.0705
20 mph	0.0204	0.0019	0.0082	0.0034	0.0019	0.0005	0.0018	0.0000	0.0381
25 mph	0.0712	0.0066	0.0286	0.0112	0.0079	0.0022	0.0056	0.0001	0.1333
30 mph	0.0630	0.0059	0.0253	0.0102	0.0058	0.0016	0.0037	0.0000	0.1155
35 mph	0.0815	0.0076	0.0326	0.0122	0.0050	0.0014	0.0023	0.0000	0.1426
40 mph	0.0193	0.0018	0.0077	0.0042	0.0026	0.0007	0.0019	0.0000	0.0382
45 mph	0.0144	0.0013	0.0058	0.0031	0.0019	0.0005	0.0013	0.0000	0.0285
50 mph	0.0146	0.0014	0.0058	0.0032	0.0020	0.0006	0.0011	0.0000	0.0288
55 mph	0.0104	0.0010	0.0041	0.0021	0.0013	0.0004	0.0004	0.0000	0.0197
60 mph	0.0170	0.0016	0.0068	0.0029	0.0017	0.0005	0.0158	0.0001	0.0463
65 mph	0.0029	0.0003	0.0012	0.0006	0.0004	0.0001	-	-	0.0054
70 mph	0.0435	0.0040	0.0169	0.0134	0.0092	0.0025	-	-	0.0894
total	0.4519	0.0420	0.1805	0.0808	0.0519	0.0145	0.0388	0.0004	0.8608

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0005	0.0003	0.0165	0.0175	0.0121	0.0553	0.1027
15 mph	0.0002	0.0000	0.0002	0.0001	0.0052	0.0058	0.0032	0.0140	0.0287
20 mph	0.0004	0.0000	0.0003	0.0001	0.0088	0.0098	0.0053	0.0202	0.0449
25 mph	0.0016	0.0000	0.0012	0.0006	0.0371	0.0414	0.0277	0.1152	0.2247
30 mph	0.0016	0.0000	0.0011	0.0006	0.0360	0.0401	0.0272	0.1130	0.2196
35 mph	0.0011	0.0000	0.0008	0.0004	0.0268	0.0297	0.0147	0.0609	0.1346
40 mph	0.0003	0.0000	0.0003	0.0001	0.0083	0.0091	0.0207	0.0862	0.1251
45 mph	0.0003	0.0000	0.0002	0.0001	0.0065	0.0071	0.0214	0.0896	0.1252
50 mph	0.0003	0.0000	0.0002	0.0001	0.0062	0.0067	0.0450	0.1866	0.2451
55 mph	0.0002	0.0000	0.0001	0.0001	0.0047	0.0051	0.0132	0.0563	0.0798
60 mph	0.0004	0.0000	0.0003	0.0002	0.0095	0.0102	0.0166	0.0694	0.1065
65 mph	0.0001	0.0000	0.0000	0.0000	0.0013	0.0013	-	-	0.0027
70 mph	-	-	-	-	-	-	-	-	-
total	0.0072	0.0001	0.0051	0.0028	0.1669	0.1838	0.2070	0.8667	1.4395

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0000	0.0035	0.0037	-	-	0.0074
15 mph	0.0000	0.0000	0.0000	0.0000	0.0028	0.0031	-	-	0.0060
20 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0026	0.0096	0.0364	0.0511
25 mph	0.0001	0.0000	0.0000	0.0001	0.0040	0.0044	0.0159	0.0661	0.0905
30 mph	0.0001	0.0000	0.0001	0.0001	0.0070	0.0078	0.0294	0.1222	0.1667
35 mph	0.0002	0.0000	0.0002	0.0002	0.0144	0.0159	0.0353	0.1465	0.2127
40 mph	0.0002	0.0000	0.0002	0.0002	0.0148	0.0163	0.0411	0.1710	0.2438
45 mph	0.0002	0.0000	0.0001	0.0001	0.0111	0.0122	0.0386	0.1616	0.2239
50 mph	0.0002	0.0000	0.0001	0.0002	0.0120	0.0130	0.0250	0.1035	0.1539
55 mph	0.0001	0.0000	0.0001	0.0001	0.0064	0.0069	0.0159	0.0676	0.0970
60 mph	0.0001	0.0000	0.0000	0.0000	0.0038	0.0041	1.3941	5.8398	7.2420
65 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0014	-	-	0.0028
70 mph	0.0010	0.0000	0.0007	0.0009	0.0893	0.0789	-	-	0.1708
total	0.0024	0.0000	0.0016	0.0020	0.1728	0.1705	1.6048	6.7147	8.6688

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0858	0.0576	0.0038	0.0061	0.1532
15 mph	0.0004	0.0000	0.0003	0.0001	0.0080	0.0089	0.0051	0.0224	0.0453
25 mph	-	-	-	-	0.0108	0.0120	0.0177	0.0736	0.1140
35 mph	0.0010	0.0000	0.0007	0.0003	-	-	-	-	0.0020
total	0.0014	0.0000	0.0010	0.0004	0.1046	0.0785	0.0265	0.1021	0.3145

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0858	0.0576	0.0038	0.0061	0.1532
10 mph	0.0008	0.0000	0.0005	0.0003	0.0200	0.0212	0.0121	0.0553	0.1102
15 mph	0.0007	0.0000	0.0005	0.0002	0.0161	0.0178	0.0082	0.0364	0.0800
20 mph	0.0004	0.0000	0.0003	0.0002	0.0112	0.0124	0.0149	0.0567	0.0960
25 mph	0.0017	0.0000	0.0012	0.0007	0.0518	0.0578	0.0612	0.2548	0.4292
30 mph	0.0017	0.0000	0.0012	0.0007	0.0430	0.0479	0.0566	0.2352	0.3863
35 mph	0.0023	0.0000	0.0017	0.0009	0.0412	0.0457	0.0499	0.2074	0.3493
40 mph	0.0006	0.0000	0.0004	0.0003	0.0231	0.0254	0.0618	0.2572	0.3689
45 mph	0.0004	0.0000	0.0003	0.0003	0.0176	0.0193	0.0601	0.2512	0.3491
50 mph	0.0004	0.0000	0.0003	0.0003	0.0182	0.0197	0.0699	0.2901	0.3989
55 mph	0.0003	0.0000	0.0002	0.0002	0.0111	0.0120	0.0291	0.1239	0.1768
60 mph	0.0005	0.0000	0.0003	0.0002	0.0133	0.0143	1.4107	5.9093	7.3486
65 mph	0.0001	0.0000	0.0000	0.0000	0.0026	0.0027	-	-	0.0055
70 mph	0.0010	0.0000	0.0007	0.0009	0.0893	0.0789	-	-	0.1708
total	0.0110	0.0002	0.0077	0.0051	0.4443	0.4328	1.8383	7.6835	10.4228

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0019	0.0019
15 mph								0.0005	0.0005
20 mph								0.0009	0.0009
25 mph								0.0046	0.0046
30 mph								0.0039	0.0039
35 mph								0.0016	0.0016
40 mph								0.0017	0.0017
45 mph								0.0013	0.0013
50 mph								0.0022	0.0022
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0187	0.0187

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0017	0.0017
25 mph								0.0026	0.0026
30 mph								0.0042	0.0042
35 mph								0.0039	0.0039
40 mph								0.0034	0.0034
45 mph								0.0024	0.0024
50 mph								0.0012	0.0012
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0124	0.0124

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0009	0.0009
25 mph								0.0029	0.0029
35 mph								-	-
total	-	-	-	-	-	-	-	0.0047	0.0047

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0019	0.0019
15 mph								0.0014	0.0014
20 mph								0.0026	0.0026
25 mph								0.0101	0.0101
30 mph								0.0080	0.0080
35 mph								0.0055	0.0055
40 mph								0.0052	0.0052
45 mph								0.0038	0.0038
50 mph								0.0034	0.0034
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0428	0.0428

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0897	0.0587	0.0055	0.0071	0.1610
10 mph	0.0547	0.0050	0.0221	0.0090	0.0249	0.0226	0.0141	0.0572	0.2097
15 mph	0.0405	0.0037	0.0164	0.0060	0.0194	0.0187	0.0094	0.0378	0.1519
20 mph	0.0209	0.0019	0.0085	0.0036	0.0131	0.0129	0.0166	0.0593	0.1368
25 mph	0.0729	0.0067	0.0298	0.0118	0.0597	0.0600	0.0668	0.2650	0.5726
30 mph	0.0647	0.0059	0.0265	0.0109	0.0487	0.0496	0.0603	0.2432	0.5098
35 mph	0.0839	0.0076	0.0343	0.0132	0.0462	0.0471	0.0522	0.2130	0.4975
40 mph	0.0198	0.0018	0.0081	0.0045	0.0257	0.0261	0.0637	0.2624	0.4122
45 mph	0.0149	0.0014	0.0061	0.0034	0.0195	0.0198	0.0614	0.2550	0.3814
50 mph	0.0151	0.0014	0.0062	0.0035	0.0202	0.0203	0.0711	0.2935	0.4311
55 mph	0.0107	0.0010	0.0044	0.0023	0.0124	0.0124	0.0295	0.1239	0.1965
60 mph	0.0174	0.0016	0.0071	0.0031	0.0150	0.0147	1.4265	5.9094	7.3949
65 mph	0.0030	0.0003	0.0012	0.0006	0.0030	0.0028	-	-	0.0110
70 mph	0.0445	0.0040	0.0176	0.0142	0.0985	0.0815	-	-	0.2602
STREX	0.0090	0.0008	0.0035	0.0057	0.0005	0.0001	0.0003	0.0000	0.0199
total	0.4719	0.0429	0.1917	0.0916	0.4967	0.4474	1.8774	7.7267	**11.3464**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0011	0.0012	0.0011	0.0011	0.0003	0.0003	0.0004	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0090	0.0008	0.0035	0.0057	0.0005	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0090	0.0008	0.0035	0.0057	0.0005	0.0001	0.0003	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5.3734	0.4101	2.0204	0.7372	0.6362	0.2149	0.4586	0.0021
Diesel	0.0623	0.0001	0.0192	0.0242	0.6625	0.5096	2.7176	2.9374
Electric/NG	0.2826	0.0117	0.0718	0.0283	-	-	-	0.2038
Total	5.7182	0.4219	2.1114	0.7896	1.2987	0.7245	3.1763	3.1434

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.2220	0.1696	0.8355	0.6366	0.6821	0.2304	1.6537	0.0077
Diesel	0.0258	0.0000	0.0080	0.0209	0.7103	0.5464	9.7983	10.5909
Electric/NG	0.1169	0.0048	0.0297	0.0245	-	-	-	0.7348
Total	2.3647	0.1745	0.8731	0.6820	1.3924	0.7768	11.4520	11.3334

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.0272	0.0784	0.3862	0.1058	0.0564	0.0191	0.0792	0.0004
Diesel	0.0119	0.0000	0.0037	0.0035	0.0588	0.0452	0.4694	0.5073
Electric/NG	0.0540	0.0022	0.0137	0.0041	-	-	-	0.0352
Total	1.0931	0.0807	0.4036	0.1133	0.1152	0.0643	0.5486	0.5429

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	8.6226	0.6581	3.2421	1.4796	1.3748	0.4644	2.1915	0.0102	18.0433
Diesel	0.1000	0.0001	0.0309	0.0485	1.4316	1.1012	12.9853	14.0357	29.7332
Electric/NG	0.4535	0.0188	0.1152	0.0569	-	-	-	0.9737	1.6180
Total	9.1760	0.6770	3.3881	1.5849	2.8064	1.5656	15.1768	15.0196	**49.3945**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	29.0489
Internal	21.3366
Total	**50.3855**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0691	0.0452	0.0042	0.0054	0.1240
10 mph	0.0350	0.0032	0.0141	0.0058	0.0192	0.0174	0.0108	0.0441	0.1496
15 mph	0.0259	0.0024	0.0105	0.0038	0.0150	0.0144	0.0072	0.0291	0.1083
20 mph	0.0134	0.0012	0.0054	0.0023	0.0101	0.0100	0.0128	0.0456	0.1008
25 mph	0.0467	0.0043	0.0191	0.0076	0.0459	0.0462	0.0514	0.2040	0.4252
30 mph	0.0414	0.0038	0.0169	0.0070	0.0375	0.0382	0.0464	0.1873	0.3785
35 mph	0.0537	0.0049	0.0220	0.0084	0.0356	0.0362	0.0402	0.1640	0.3650
40 mph	0.0127	0.0012	0.0052	0.0029	0.0198	0.0201	0.0490	0.2021	0.3129
45 mph	0.0095	0.0009	0.0039	0.0021	0.0150	0.0152	0.0473	0.1963	0.2903
50 mph	0.0097	0.0009	0.0039	0.0022	0.0155	0.0156	0.0547	0.2260	0.3285
55 mph	0.0068	0.0006	0.0028	0.0015	0.0096	0.0095	0.0227	0.0954	0.1489
60 mph	0.0111	0.0010	0.0045	0.0020	0.0116	0.0113	1.0984	4.5502	5.6903
65 mph	0.0019	0.0002	0.0008	0.0004	0.0023	0.0022	-	-	0.0078
70 mph	0.0285	0.0026	0.0113	0.0091	0.0758	0.0627	-	-	0.1900
total	0.2963	0.0270	0.1205	0.0550	0.3820	0.3444	1.4454	5.9496	8.6200

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2033 (Net) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	2,643	2.40	0.32	0.0005	1.24	0.0019	5.04
2	L	3,714	2.40	0.32	0.0005	1.74	0.0019	7.08
3	L	3,523	2.40	0.32	0.0005	1.65	0.0019	6.71
5	L	5,696	2.40	0.32	0.0005	2.66	0.0019	10.85
6	L	11,419	2.40	0.32	0.0005	5.34	0.0019	21.75
8	L	8,512	2.40	0.32	0.0005	3.98	0.0019	16.22
11	L	(1,715)	2.40	0.32	0.0005	(0.80)	0.0019	(3.27)
12	L	(2,615)	2.40	0.32	0.0005	(1.22)	0.0019	(4.98)
14	L	(1,401)	2.40	0.32	0.0005	(0.66)	0.0019	(2.67)
18	L	1,479	2.40	0.32	0.0005	0.69	0.0019	2.82
19	L	7,050	2.40	0.32	0.0005	3.30	0.0019	13.43
21	L	3,622	2.40	0.32	0.0005	1.69	0.0019	6.90
24	L	8,147	2.40	0.32	0.0005	3.81	0.0019	15.52
30	L	(8,002)	2.40	0.32	0.0005	(3.74)	0.0019	(15.24)
29	L	3,831	2.40	0.32	0.0005	1.79	0.0019	7.30
31	L	(276)	2.40	0.32	0.0005	(0.13)	0.0019	(0.53)
TOTAL						21.34		86.93

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2033 (Net) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	321,016	2.40	0.032	0.0001	18.47	0.0002	75.24
Freeway	F	366,494	2.40	0.015	0.0000	10.58	0.0001	43.11
TOTAL		687,510				29.05		118.35

World Logistics Center
Mobile Emissions - 2033 (Net) - Unmitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0048	0.0063	0.0058	0.0063	0.0078	0.0087	0.0158	0.2043
15 mph	0.0042	0.0055	0.0051	0.0055	0.0068	0.0076	0.0139	0.1803
20 mph	0.0038	0.0049	0.0045	0.0050	0.0062	0.0069	0.0125	0.1621
25 mph	0.0034	0.0045	0.0041	0.0045	0.0057	0.0063	0.0114	0.1481
30 mph	0.0032	0.0042	0.0038	0.0042	0.0053	0.0059	0.0105	0.1376
35 mph	0.0030	0.0039	0.0036	0.0040	0.0050	0.0055	0.0099	0.1297
40 mph	0.0029	0.0037	0.0034	0.0038	0.0048	0.0053	0.0094	0.1240
45 mph	0.0028	0.0036	0.0033	0.0037	0.0047	0.0051	0.0091	0.1204
50 mph	0.0028	0.0036	0.0033	0.0036	0.0047	0.0051	0.0090	0.1191
55 mph	0.0028	0.0037	0.0033	0.0037	0.0047	0.0051	0.0091	0.1202
60 mph	0.0029	0.0038	0.0035	0.0039	0.0049	0.0053	0.0094	0.1241
65 mph	0.0030	0.0041	0.0037	0.0041	0.0051	0.0056	0.0099	0.1304
70 mph	0.0032	0.0044	0.0038	0.0043	0.0056	0.0058	0.0097	0.1366

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0544	0.1128	0.0728	0.0906	0.1354	0.1516	0.2628	0.3987
15 mph	0.0448	0.0938	0.0604	0.0768	0.0882	0.1006	0.2067	0.3000
20 mph	0.0367	0.0770	0.0496	0.0638	0.0753	0.0859	0.1765	0.2552
25 mph	0.0308	0.0643	0.0416	0.0540	0.0667	0.0765	0.1540	0.2134
30 mph	0.0267	0.0553	0.0360	0.0467	0.0606	0.0691	0.1353	0.1873
35 mph	0.0241	0.0495	0.0325	0.0424	0.0607	0.0692	0.1208	0.1697
40 mph	0.0226	0.0462	0.0303	0.0397	0.0591	0.0667	0.1108	0.1553
45 mph	0.0218	0.0445	0.0292	0.0382	0.0577	0.0642	0.1050	0.1472
50 mph	0.0219	0.0445	0.0292	0.0384	0.0605	0.0666	0.1036	0.1436
55 mph	0.0229	0.0466	0.0306	0.0405	0.0632	0.0688	0.1066	0.1489
60 mph	0.0248	0.0505	0.0331	0.0439	0.0638	0.0691	0.1139	0.1579
65 mph	0.0279	0.0563	0.0372	0.0493	0.0647	0.0694	0.1256	0.1711
70 mph	0.0303	0.0587	0.0399	0.0536	0.0657	0.0705	0.1268	0.1739

*US EPA Emission Factors for Greenhouse Gas Inventories. (Idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.8411
15 mph								0.7057
20 mph								0.6162
25 mph								0.5681
30 mph								0.5374
35 mph								0.5131
40 mph								0.4932
45 mph								0.4764
50 mph								0.4620
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0721	0.0073	0.0329	0.0132	0.0071	0.0023	0.0074	0.0008	0.1431
15 mph	0.0253	0.0025	0.0115	0.0046	0.0025	0.0008	0.0022	0.0002	0.0497
20 mph	0.0455	0.0046	0.0206	0.0082	0.0045	0.0015	0.0039	0.0004	0.0893
25 mph	0.2077	0.0207	0.0939	0.0375	0.0207	0.0067	0.0196	0.0022	0.4090
30 mph	0.2125	0.0211	0.0957	0.0383	0.0213	0.0069	0.0164	0.0019	0.4140
35 mph	0.1643	0.0163	0.0737	0.0296	0.0165	0.0053	0.0069	0.0008	0.3135
40 mph	0.0524	0.0052	0.0235	0.0094	0.0053	0.0017	0.0074	0.0008	0.1056
45 mph	0.0422	0.0042	0.0189	0.0076	0.0043	0.0014	0.0057	0.0007	0.0850
50 mph	0.0417	0.0042	0.0187	0.0075	0.0043	0.0014	0.0091	0.0011	0.0880
55 mph	0.0338	0.0034	0.0152	0.0061	0.0035	0.0011	0.0021	0.0002	0.0655
60 mph	0.0702	0.0071	0.0318	0.0128	0.0072	0.0023	0.0022	0.0003	0.1337
65 mph	0.0092	0.0009	0.0042	0.0017	0.0009	0.0003	-	-	0.0172
70 mph	-	-	-	-	-	-	-	-	-
total	0.9769	0.0975	0.4405	0.1767	0.0981	0.0317	0.0829	0.0094	1.9136

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0060	0.0006	0.0027	0.0023	0.0015	0.0005	-	-	0.0136
15 mph	0.0052	0.0005	0.0024	0.0020	0.0013	0.0004	-	-	0.0119
20 mph	0.0047	0.0005	0.0021	0.0018	0.0012	0.0004	0.0070	0.0008	0.0185
25 mph	0.0086	0.0009	0.0039	0.0032	0.0022	0.0007	0.0112	0.0013	0.0320
30 mph	0.0160	0.0016	0.0072	0.0060	0.0041	0.0013	0.0178	0.0020	0.0560
35 mph	0.0340	0.0034	0.0152	0.0128	0.0089	0.0029	0.0167	0.0019	0.0956
40 mph	0.0361	0.0036	0.0162	0.0136	0.0095	0.0030	0.0146	0.0017	0.0982
45 mph	0.0279	0.0028	0.0125	0.0105	0.0074	0.0024	0.0103	0.0012	0.0749
50 mph	0.0311	0.0031	0.0139	0.0117	0.0082	0.0026	0.0051	0.0006	0.0763
55 mph	0.0175	0.0018	0.0079	0.0066	0.0046	0.0015	0.0026	0.0003	0.0427
60 mph	0.0109	0.0011	0.0049	0.0042	0.0029	0.0009	0.1851	0.0213	0.2312
65 mph	0.0038	0.0004	0.0017	0.0015	0.0010	0.0003	-	-	0.0087
70 mph	0.1848	0.0194	0.0822	0.0715	0.0505	0.0152	-	-	0.4236
total	0.3865	0.0395	0.1729	0.1476	0.1034	0.0322	0.2702	0.0310	1.1833

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0015	0.0004	0.0007	0.0000	0.0026
15 mph	0.0456	0.0046	0.0208	0.0067	0.0038	0.0012	0.0035	0.0004	0.0866
25 mph	-	-	-	-	0.0060	0.0020	0.0125	0.0014	0.0219
35 mph	0.1416	0.0140	0.0635	0.0188	-	-	-	-	0.2380
total	0.1872	0.0186	0.0842	0.0255	0.0113	0.0036	0.0167	0.0018	0.3490

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0015	0.0004	0.0007	0.0000	0.0026
10 mph	0.0781	0.0079	0.0356	0.0154	0.0087	0.0028	0.0074	0.0008	0.1567
15 mph	0.0761	0.0077	0.0346	0.0132	0.0077	0.0025	0.0057	0.0006	0.1481
20 mph	0.0502	0.0050	0.0228	0.0100	0.0057	0.0019	0.0110	0.0012	0.1078
25 mph	0.2163	0.0216	0.0977	0.0408	0.0289	0.0094	0.0433	0.0049	0.4628
30 mph	0.2285	0.0227	0.1029	0.0443	0.0254	0.0082	0.0342	0.0039	0.4701
35 mph	0.3400	0.0337	0.1524	0.0612	0.0254	0.0082	0.0236	0.0027	0.6471
40 mph	0.0884	0.0088	0.0396	0.0230	0.0147	0.0047	0.0220	0.0025	0.2038
45 mph	0.0701	0.0070	0.0315	0.0181	0.0116	0.0037	0.0160	0.0018	0.1599
50 mph	0.0728	0.0073	0.0327	0.0193	0.0125	0.0040	0.0142	0.0016	0.1643
55 mph	0.0512	0.0052	0.0231	0.0128	0.0081	0.0026	0.0047	0.0005	0.1081
60 mph	0.0810	0.0082	0.0367	0.0170	0.0100	0.0032	0.1873	0.0215	0.3649
65 mph	0.0130	0.0013	0.0059	0.0031	0.0019	0.0006	-	-	0.0259
70 mph	0.1848	0.0194	0.0822	0.0715	0.0505	0.0152	-	-	0.4236
total	1.5505	0.1557	0.6976	0.3497	0.2128	0.0675	0.3698	0.0423	3.4459

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0096	0.0000	0.0039	0.0062	0.1254	0.0937	0.7279	2.0136	2.9803
15 mph	0.0031	0.0000	0.0013	0.0021	0.0327	0.0249	0.1908	0.5050	0.7600
20 mph	0.0052	0.0000	0.0022	0.0035	0.0558	0.0425	0.3260	0.8591	1.2942
25 mph	0.0216	0.0000	0.0090	0.0147	0.2472	0.1893	1.5646	3.9523	5.9988
30 mph	0.0206	0.0000	0.0086	0.0140	0.2472	0.1879	1.2491	3.1535	4.8810
35 mph	0.0152	0.0000	0.0063	0.0104	0.2026	0.1540	0.5022	1.2852	2.1760
40 mph	0.0048	0.0000	0.0020	0.0032	0.0657	0.0495	0.5114	1.3067	1.9434
45 mph	0.0038	0.0000	0.0016	0.0026	0.0535	0.0397	0.3878	0.9909	1.4799
50 mph	0.0038	0.0000	0.0016	0.0026	0.0561	0.0412	0.6219	1.5715	2.2987
55 mph	0.0032	0.0000	0.0013	0.0022	0.0468	0.0340	0.1477	0.3759	0.6112
60 mph	0.0070	0.0000	0.0029	0.0048	0.0945	0.0683	0.1577	0.3987	0.7340
65 mph	0.0010	0.0000	0.0004	0.0007	0.0120	0.0086	-	-	0.0226
70 mph	-	-	-	-	-	-	-	-	-
total	0.0989	0.0002	0.0411	0.0669	1.2395	0.9335	6.3872	16.4126	25.1799

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0008	0.0000	0.0003	0.0011	0.0269	0.0201	-	-	0.0492
15 mph	0.0006	0.0000	0.0003	0.0009	0.0175	0.0133	-	-	0.0327
20 mph	0.0005	0.0000	0.0002	0.0007	0.0149	0.0114	0.5877	1.5488	2.1643
25 mph	0.0009	0.0000	0.0004	0.0013	0.0265	0.0203	0.8975	2.2670	3.2139
30 mph	0.0015	0.0000	0.0006	0.0022	0.0482	0.0366	1.3511	3.4110	4.8513
35 mph	0.0032	0.0000	0.0013	0.0045	0.1086	0.0826	1.2070	3.0893	4.4964
40 mph	0.0033	0.0000	0.0014	0.0047	0.1174	0.0885	1.0141	2.5913	3.8207
45 mph	0.0025	0.0000	0.0010	0.0036	0.0917	0.0681	0.6991	1.7864	2.6524
50 mph	0.0029	0.0000	0.0012	0.0041	0.1082	0.0795	0.3450	0.8717	1.4125
55 mph	0.0017	0.0000	0.0007	0.0024	0.0627	0.0456	0.1775	0.4518	0.7424
60 mph	0.0011	0.0000	0.0004	0.0015	0.0380	0.0275	13.2712	33.5455	46.8852
65 mph	0.0004	0.0000	0.0002	0.0006	0.0129	0.0092	-	-	0.0232
70 mph	0.0202	0.0000	0.0082	0.0290	0.6002	0.4302	-	-	1.0878
total	0.0396	0.0001	0.0163	0.0565	1.2738	0.9327	19.5502	49.5628	71.4320

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0005	0.0004	0.0015	0.0027	0.0050
15 mph	0.0057	0.0000	0.0024	0.0030	0.0500	0.0381	0.3065	0.8113	1.2169
25 mph	-	-	-	-	0.0718	0.0550	0.9998	2.5256	3.6523
35 mph	0.0131	0.0000	0.0055	0.0066	-	-	-	-	0.0252
total	0.0188	0.0000	0.0078	0.0096	0.1224	0.0934	1.3078	3.3395	4.8994

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0005	0.0004	0.0015	0.0027	0.0050
10 mph	0.0103	0.0000	0.0043	0.0072	0.1523	0.1138	0.7279	2.0136	3.0295
15 mph	0.0095	0.0000	0.0039	0.0060	0.1002	0.0763	0.4974	1.3163	2.0096
20 mph	0.0057	0.0000	0.0024	0.0042	0.0707	0.0539	0.9137	2.4079	3.4585
25 mph	0.0225	0.0000	0.0094	0.0160	0.3456	0.2645	3.4620	8.7449	12.8649
30 mph	0.0221	0.0000	0.0092	0.0162	0.2954	0.2246	2.6002	6.5646	9.7323
35 mph	0.0315	0.0001	0.0131	0.0215	0.3112	0.2366	1.7092	4.3745	6.6976
40 mph	0.0080	0.0000	0.0033	0.0079	0.1832	0.1380	1.5255	3.8981	5.7640
45 mph	0.0064	0.0000	0.0026	0.0062	0.1451	0.1077	1.0870	2.7773	4.1323
50 mph	0.0067	0.0000	0.0028	0.0067	0.1643	0.1206	0.9669	2.4432	3.7112
55 mph	0.0049	0.0000	0.0020	0.0046	0.1096	0.0797	0.3252	0.8277	1.3535
60 mph	0.0080	0.0000	0.0033	0.0063	0.1326	0.0958	13.4289	33.9442	47.6192
65 mph	0.0014	0.0000	0.0006	0.0013	0.0248	0.0178	-	-	0.0458
70 mph	0.0202	0.0000	0.0082	0.0290	0.6002	0.4302	-	-	1.0878
total	0.1573	0.0003	0.0652	0.1330	2.6357	1.9597	27.2453	69.3149	101.5113

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.2900	0.2900
15 mph								0.0811	0.0811
20 mph								0.1416	0.1416
25 mph								0.7183	0.7183
30 mph								0.6177	0.6177
35 mph								0.2654	0.2654
40 mph								0.2834	0.2834
45 mph								0.2190	0.2190
50 mph								0.3452	0.3452
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.9617	2.9617

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.2554	0.2554
25 mph								0.4120	0.4120
30 mph								0.6681	0.6681
35 mph								0.6379	0.6379
40 mph								0.5620	0.5620
45 mph								0.3949	0.3949
50 mph								0.1915	0.1915
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.9734	1.9734

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0005	0.0005
15 mph								0.1303	0.1303
25 mph								0.4590	0.4590
35 mph								-	-
total	-	-	-	-	-	-	-	0.5898	0.5898

Total Emissions Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0005	0.0005
10 mph								0.2900	0.2900
15 mph								0.2114	0.2114
20 mph								0.3970	0.3970
25 mph								1.5892	1.5892
30 mph								1.2858	1.2858
35 mph								0.9033	0.9033
40 mph								0.8455	0.8455
45 mph								0.6139	0.6139
50 mph								0.5367	0.5367
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	6.6732	6.6732

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0020	0.0008	0.0021	0.0032	0.0082
10 mph	0.0884	0.0079	0.0398	0.0227	0.1610	0.1166	0.7353	2.3045	3.4762
15 mph	0.0856	0.0077	0.0386	0.0193	0.1079	0.0788	0.5030	1.5284	2.3691
20 mph	0.0559	0.0050	0.0252	0.0142	0.0765	0.0558	0.9246	2.8061	3.9633
25 mph	0.2388	0.0216	0.1071	0.0567	0.3745	0.2739	3.5052	10.3390	14.9170
30 mph	0.2506	0.0227	0.1121	0.0605	0.3208	0.2328	2.6344	7.8543	11.4881
35 mph	0.3715	0.0338	0.1655	0.0827	0.3365	0.2448	1.7328	5.2805	8.2480
40 mph	0.0965	0.0088	0.0429	0.0309	0.1979	0.1427	1.5475	4.7460	6.8132
45 mph	0.0765	0.0070	0.0341	0.0243	0.1568	0.1115	1.1029	3.3930	4.9061
50 mph	0.0795	0.0073	0.0354	0.0260	0.1768	0.1246	0.9811	2.9815	4.4122
55 mph	0.0561	0.0052	0.0251	0.0173	0.1177	0.0822	0.3298	0.8282	1.4617
60 mph	0.0891	0.0082	0.0400	0.0233	0.1426	0.0990	13.6162	33.9658	47.9842
65 mph	0.0144	0.0013	0.0065	0.0044	0.0268	0.0184	-	-	0.0718
70 mph	0.2050	0.0195	0.0905	0.1004	0.6507	0.4454	-	-	1.5114
STREX	0.1670	0.0139	0.0701	0.1160	0.0528	0.0155	0.0238	0.0000	0.4591
total	1.8748	0.1699	0.8329	0.5987	2.9013	2.0427	27.6388	76.0305	**112.0896**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0195	0.0212	0.0217	0.0230	0.0325	0.0327	0.0297	0.0020
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1670	0.0139	0.0701	0.1160	0.0528	0.0155	0.0238	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1670	0.0139	0.0701	0.1160	0.0528	0.0155	0.0238	0.0000

World Logistics Center
Mobile Emissions - 2033 (Net) - Unmitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.8390	1.8603	3.3689	2.3875
10 mph	0.0043	0.0078	0.0071	0.0081	0.0081	0.0070	0.0156	0.3006
15 mph	0.0029	0.0053	0.0048	0.0054	0.0054	0.0047	0.0104	0.1997
20 mph	0.0020	0.0037	0.0034	0.0038	0.0039	0.0033	0.0073	0.1401
25 mph	0.0015	0.0028	0.0025	0.0028	0.0029	0.0024	0.0054	0.1037
30 mph	0.0011	0.0022	0.0019	0.0022	0.0023	0.0019	0.0042	0.0809
35 mph	0.0009	0.0018	0.0016	0.0018	0.0019	0.0016	0.0034	0.0667
40 mph	0.0008	0.0016	0.0014	0.0016	0.0017	0.0014	0.0030	0.0580
45 mph	0.0008	0.0014	0.0013	0.0015	0.0015	0.0013	0.0027	0.0532
50 mph	0.0007	0.0014	0.0012	0.0014	0.0015	0.0012	0.0026	0.0514
55 mph	0.0007	0.0014	0.0012	0.0014	0.0015	0.0012	0.0027	0.0523
60 mph	0.0008	0.0015	0.0013	0.0015	0.0016	0.0013	0.0028	0.0559
65 mph	0.0009	0.0016	0.0014	0.0017	0.0018	0.0015		
70 mph	0.0010	0.0019	0.0015	0.0018	0.0020	0.0015		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0237	0.1098
10 mph	0.0035	0.0121	0.0091	0.0039	0.0258	0.0259	0.0016	0.0038
15 mph	0.0018	0.0070	0.0045	0.0019	0.0129	0.0129	0.0009	0.0021
20 mph	0.0007	0.0039	0.0017	0.0008	0.0053	0.0054	0.0006	0.0013
25 mph	0.0004	0.0028	0.0010	0.0005	0.0033	0.0034	0.0005	0.0011
30 mph	0.0003	0.0023	0.0008	0.0004	0.0026	0.0026	0.0004	0.0009
35 mph	0.0003	0.0019	0.0006	0.0003	0.0021	0.0021	0.0003	0.0007
40 mph	0.0002	0.0017	0.0005	0.0002	0.0018	0.0018	0.0003	0.0006
45 mph	0.0002	0.0016	0.0004	0.0002	0.0016	0.0016	0.0002	0.0006
50 mph	0.0002	0.0015	0.0004	0.0002	0.0014	0.0014	0.0002	0.0006
55 mph	0.0002	0.0016	0.0003	0.0002	0.0013	0.0013	0.0003	0.0006
60 mph	0.0001	0.0017	0.0003	0.0001	0.0013	0.0013	0.0003	0.0007
65 mph	0.0001	0.0019	0.0003	0.0002	0.0014	0.0014		
70 mph	0.0002	0.0020	0.0003	0.0002	0.0020	0.0019		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.8831
10 mph								10.8141
15 mph								7.4871
20 mph								5.3309
25 mph								3.9104
30 mph								2.8946
35 mph								2.1444
40 mph								1.5909
45 mph								1.1831
50 mph								0.8837
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0649	0.0090	0.0404	0.0168	0.0074	0.0019	0.0073	0.0012	0.1490
15 mph	0.0173	0.0024	0.0108	0.0045	0.0020	0.0005	0.0016	0.0003	0.0394
20 mph	0.0242	0.0035	0.0153	0.0064	0.0028	0.0007	0.0023	0.0004	0.0555
25 mph	0.0894	0.0129	0.0565	0.0235	0.0105	0.0026	0.0092	0.0015	0.2062
30 mph	0.0765	0.0111	0.0484	0.0202	0.0091	0.0022	0.0065	0.0011	0.1750
35 mph	0.0513	0.0075	0.0324	0.0136	0.0062	0.0015	0.0024	0.0004	0.1152
40 mph	0.0149	0.0022	0.0094	0.0039	0.0018	0.0004	0.0023	0.0004	0.0353
45 mph	0.0114	0.0017	0.0072	0.0030	0.0014	0.0003	0.0017	0.0003	0.0269
50 mph	0.0110	0.0016	0.0069	0.0029	0.0014	0.0003	0.0026	0.0005	0.0271
55 mph	0.0089	0.0013	0.0056	0.0024	0.0011	0.0003	0.0006	0.0001	0.0202
60 mph	0.0188	0.0027	0.0117	0.0049	0.0024	0.0006	0.0007	0.0001	0.0419
65 mph	0.0026	0.0004	0.0016	0.0007	0.0003	0.0001	-	-	0.0057
70 mph	-	-	-	-	-	-	-	-	-
total	0.3911	0.0561	0.2461	0.1028	0.0465	0.0114	0.0371	0.0063	0.8975

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0054	0.0007	0.0033	0.0029	0.0016	0.0004	-	-	0.0144
15 mph	0.0036	0.0005	0.0022	0.0019	0.0011	0.0003	-	-	0.0096
20 mph	0.0025	0.0004	0.0016	0.0014	0.0008	0.0002	0.0041	0.0007	0.0115
25 mph	0.0037	0.0005	0.0023	0.0020	0.0011	0.0003	0.0053	0.0009	0.0162
30 mph	0.0057	0.0008	0.0036	0.0032	0.0018	0.0004	0.0070	0.0012	0.0238
35 mph	0.0106	0.0015	0.0067	0.0059	0.0033	0.0008	0.0057	0.0010	0.0356
40 mph	0.0102	0.0015	0.0065	0.0057	0.0032	0.0008	0.0046	0.0008	0.0332
45 mph	0.0075	0.0011	0.0047	0.0042	0.0024	0.0006	0.0030	0.0005	0.0241
50 mph	0.0082	0.0012	0.0051	0.0045	0.0026	0.0006	0.0015	0.0003	0.0240
55 mph	0.0046	0.0007	0.0029	0.0025	0.0015	0.0004	0.0007	0.0001	0.0134
60 mph	0.0029	0.0004	0.0018	0.0016	0.0010	0.0002	0.0560	0.0096	0.0735
65 mph	0.0011	0.0002	0.0007	0.0006	0.0004	0.0001	-	-	0.0030
70 mph	0.0549	0.0082	0.0328	0.0302	0.0181	0.0040	-	-	0.1483
total	0.1210	0.0178	0.0744	0.0665	0.0389	0.0090	0.0879	0.0150	0.4304

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2051	0.0606	0.1730	0.0014	0.4402
15 mph	0.0311	0.0044	0.0195	0.0065	0.0030	0.0008	0.0026	0.0004	0.0684
25 mph	-	-	-	-	0.0031	0.0008	0.0059	0.0010	0.0107
35 mph	0.0442	0.0064	0.0279	0.0086	-	-	-	-	0.0872
total	0.0753	0.0108	0.0474	0.0152	0.2112	0.0621	0.1815	0.0029	0.6064

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2051	0.0606	0.1730	0.0014	0.4402
10 mph	0.0703	0.0098	0.0438	0.0197	0.0090	0.0023	0.0073	0.0012	0.1634
15 mph	0.0519	0.0073	0.0326	0.0130	0.0061	0.0015	0.0042	0.0007	0.1173
20 mph	0.0267	0.0038	0.0169	0.0077	0.0036	0.0009	0.0064	0.0011	0.0671
25 mph	0.0931	0.0134	0.0588	0.0256	0.0147	0.0036	0.0204	0.0034	0.2330
30 mph	0.0822	0.0119	0.0520	0.0234	0.0109	0.0027	0.0135	0.0023	0.1988
35 mph	0.1061	0.0155	0.0670	0.0281	0.0095	0.0023	0.0081	0.0014	0.2380
40 mph	0.0251	0.0037	0.0158	0.0096	0.0051	0.0012	0.0069	0.0012	0.0685
45 mph	0.0189	0.0028	0.0119	0.0072	0.0038	0.0009	0.0047	0.0008	0.0510
50 mph	0.0191	0.0028	0.0120	0.0074	0.0040	0.0009	0.0041	0.0007	0.0511
55 mph	0.0135	0.0020	0.0085	0.0049	0.0026	0.0006	0.0014	0.0002	0.0337
60 mph	0.0217	0.0031	0.0135	0.0065	0.0033	0.0008	0.0566	0.0097	0.1154
65 mph	0.0037	0.0005	0.0023	0.0013	0.0007	0.0002	-	-	0.0087
70 mph	0.0549	0.0082	0.0328	0.0302	0.0181	0.0040	-	-	0.1483
total	0.5874	0.0847	0.3679	0.1845	0.2966	0.0825	0.3065	0.0242	1.9344

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0005	0.0003	0.0239	0.0160	0.0044	0.0190	0.0647
15 mph	0.0001	0.0000	0.0001	0.0001	0.0048	0.0032	0.0008	0.0036	0.0126
20 mph	0.0001	0.0000	0.0001	0.0000	0.0040	0.0027	0.0011	0.0045	0.0124
25 mph	0.0003	0.0000	0.0002	0.0001	0.0123	0.0083	0.0047	0.0202	0.0462
30 mph	0.0003	0.0000	0.0002	0.0001	0.0104	0.0070	0.0035	0.0148	0.0363
35 mph	0.0002	0.0000	0.0001	0.0001	0.0070	0.0047	0.0013	0.0055	0.0188
40 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0013	0.0012	0.0052	0.0099
45 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0010	0.0009	0.0039	0.0072
50 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0009	0.0015	0.0063	0.0100
55 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0006	0.0004	0.0016	0.0036
60 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0013	0.0004	0.0019	0.0055
65 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0017	0.0000	0.0013	0.0007	0.0701	0.0471	0.0202	0.0863	0.2276

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0000	0.0051	0.0034	-	-	0.0087
15 mph	0.0000	0.0000	0.0000	0.0000	0.0026	0.0017	-	-	0.0043
20 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0007	0.0020	0.0081	0.0118
25 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0009	0.0027	0.0116	0.0165
30 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0014	0.0038	0.0160	0.0233
35 mph	0.0000	0.0000	0.0000	0.0000	0.0037	0.0025	0.0031	0.0132	0.0226
40 mph	0.0000	0.0000	0.0000	0.0000	0.0035	0.0024	0.0024	0.0104	0.0188
45 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0017	0.0016	0.0070	0.0127
50 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0017	0.0008	0.0035	0.0085
55 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0009	0.0004	0.0019	0.0045
60 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0005	0.0365	0.1567	0.1945
65 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	-	-	0.0005
70 mph	0.0001	0.0000	0.0001	0.0001	0.0179	0.0114	-	-	0.0295
total	0.0004	0.0000	0.0003	0.0003	0.0445	0.0293	0.0533	0.2283	0.3563

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0166	0.0111	0.0072	0.0609	0.0959
15 mph	0.0002	0.0000	0.0002	0.0001	0.0073	0.0049	0.0013	0.0057	0.0197
25 mph	-	-	-	-	0.0036	0.0024	0.0030	0.0129	0.0219
35 mph	0.0001	0.0000	0.0001	0.0000	-	-	-	-	0.0003
total	0.0004	0.0000	0.0003	0.0001	0.0275	0.0184	0.0115	0.0795	0.1377

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0166	0.0111	0.0072	0.0609	0.0959
10 mph	0.0007	0.0000	0.0005	0.0003	0.0290	0.0195	0.0044	0.0190	0.0734
15 mph	0.0004	0.0000	0.0003	0.0002	0.0146	0.0098	0.0021	0.0093	0.0366
20 mph	0.0001	0.0000	0.0001	0.0001	0.0050	0.0034	0.0031	0.0125	0.0242
25 mph	0.0003	0.0000	0.0002	0.0001	0.0172	0.0116	0.0104	0.0447	0.0846
30 mph	0.0003	0.0000	0.0002	0.0001	0.0125	0.0084	0.0072	0.0309	0.0596
35 mph	0.0003	0.0000	0.0003	0.0001	0.0107	0.0072	0.0044	0.0186	0.0417
40 mph	0.0001	0.0000	0.0001	0.0000	0.0055	0.0037	0.0037	0.0156	0.0286
45 mph	0.0001	0.0000	0.0000	0.0000	0.0039	0.0026	0.0025	0.0108	0.0200
50 mph	0.0001	0.0000	0.0000	0.0000	0.0038	0.0026	0.0023	0.0098	0.0185
55 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0015	0.0008	0.0035	0.0081
60 mph	0.0000	0.0000	0.0000	0.0000	0.0026	0.0018	0.0369	0.1586	0.2000
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0004	-	-	0.0009
70 mph	0.0001	0.0000	0.0001	0.0001	0.0179	0.0114	-	-	0.0295
total	0.0025	0.0000	0.0019	0.0012	0.1421	0.0948	0.0851	0.3941	0.7217

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								3.7289	3.7289
15 mph								0.8606	0.8606
20 mph								1.2255	1.2255
25 mph								4.9441	4.9441
30 mph								3.3270	3.3270
35 mph								1.1091	1.1091
40 mph								0.9143	0.9143
45 mph								0.5440	0.5440
50 mph								0.6602	0.6602
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	17.3136	17.3136

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								2.2092	2.2092
25 mph								2.8360	2.8360
30 mph								3.5987	3.5987
35 mph								2.6660	2.6660
40 mph								1.8130	1.8130
45 mph								0.9806	0.9806
50 mph								0.3662	0.3662
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	11.3099	11.3099

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0713	0.0713
15 mph								1.3823	1.3823
25 mph								3.1594	3.1594
35 mph								-	-
total	-	-	-	-	-	-	-	4.6130	4.6130

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0713	0.0713
10 mph								3.7289	3.7289
15 mph								2.2429	2.2429
20 mph								3.4347	3.4347
25 mph								10.9394	10.9394
30 mph								6.9257	6.9257
35 mph								3.7752	3.7752
40 mph								2.7273	2.7273
45 mph								1.5246	1.5246
50 mph								1.0264	1.0264
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	36.3964	36.3964

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2218	0.0717	0.1802	0.1337	0.6074
10 mph	0.0709	0.0098	0.0443	0.0200	0.0381	0.0217	0.0117	3.7491	3.9657
15 mph	0.0523	0.0073	0.0329	0.0131	0.0207	0.0113	0.0063	2.2529	2.3968
20 mph	0.0269	0.0038	0.0169	0.0078	0.0086	0.0043	0.0094	3.4483	3.5260
25 mph	0.0934	0.0134	0.0591	0.0257	0.0320	0.0152	0.0308	10.9875	11.2571
30 mph	0.0825	0.0119	0.0522	0.0235	0.0234	0.0111	0.0207	6.9588	7.1841
35 mph	0.1065	0.0155	0.0672	0.0282	0.0202	0.0095	0.0125	3.7952	4.0549
40 mph	0.0252	0.0037	0.0159	0.0097	0.0106	0.0049	0.0105	2.7441	2.8245
45 mph	0.0189	0.0028	0.0119	0.0072	0.0077	0.0035	0.0072	1.5362	1.5955
50 mph	0.0192	0.0028	0.0121	0.0074	0.0078	0.0035	0.0064	1.0368	1.0960
55 mph	0.0136	0.0020	0.0085	0.0049	0.0048	0.0021	0.0022	0.0038	0.0418
60 mph	0.0218	0.0031	0.0136	0.0066	0.0060	0.0026	0.0936	0.1683	0.3154
65 mph	0.0037	0.0005	0.0023	0.0013	0.0012	0.0005	-	-	0.0096
70 mph	0.0550	0.0082	0.0329	0.0303	0.0360	0.0154	-	-	0.1778
STREX	0.2276	0.0214	0.1168	0.2029	0.0223	0.0065	0.0257	0.0000	0.6231
total	0.8175	0.1061	0.4866	0.3886	0.4611	0.1838	0.4173	36.8147	**39.6756**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0265	0.0326	0.0362	0.0402	0.0137	0.0137	0.0321	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2276	0.0214	0.1168	0.2029	0.0223	0.0065	0.0257	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.2276	0.0214	0.1168	0.2029	0.0223	0.0065	0.0257	0.0000

World Logistics Center
Mobile Emissions - 2033 (Net) - Unmitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,064.72	4,753.33	12,015.44	19,641.32
10 mph	407.30	478.41	481.20	591.06	1,332.01	1,535.36	2,730.16	3,196.14
15 mph	332.96	391.12	393.32	482.93	1,088.52	1,253.79	2,235.04	2,622.33
20 mph	276.91	325.26	327.10	401.64	905.11	1,042.86	1,857.08	2,184.89
25 mph	236.73	278.10	279.70	343.61	773.58	891.10	1,588.48	1,871.23
30 mph	210.11	246.83	248.29	305.23	686.68	791.10	1,410.94	1,661.31
35 mph	194.86	228.89	230.29	283.38	636.87	733.90	1,309.19	1,538.74
40 mph	188.77	221.74	223.08	274.54	616.54	710.51	1,266.75	1,487.44
45 mph	189.83	222.88	224.17	275.81	618.79	713.09	1,272.20	1,488.68
50 mph	195.49	229.49	230.79	284.12	636.98	733.80	1,308.78	1,528.36
55 mph	203.08	238.34	239.77	295.30	662.98	763.69	1,360.47	1,587.16
60 mph	209.04	245.72	247.38	305.06	689.83	794.62	1,415.08	1,647.94
65 mph	214.20	252.15	253.94	313.63	710.73	818.38		
70 mph	217.21	255.48	256.76	319.89	719.65	826.23		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,292.01	5,324.95	5,513.87	4,889.57
10 mph	346.32	717.64	463.35	576.45	861.53	964.31	1,671.63	2,536.75
15 mph	284.86	596.74	384.28	488.70	561.14	640.17	1,314.73	1,908.76
20 mph	233.68	489.92	315.69	405.90	478.80	546.61	1,122.97	1,623.48
25 mph	195.90	409.19	264.69	343.53	424.50	486.95	979.97	1,357.93
30 mph	169.71	351.89	228.85	297.01	385.82	439.55	860.57	1,191.85
35 mph	153.45	315.21	206.50	269.85	386.43	440.27	768.82	1,079.43
40 mph	143.60	293.74	192.72	252.49	376.16	424.55	704.67	987.74
45 mph	138.72	283.39	185.81	242.98	367.10	408.32	667.97	936.26
50 mph	139.13	283.23	186.07	244.36	385.09	423.69	659.20	913.75
55 mph	145.57	296.43	194.53	257.82	401.91	437.95	678.28	947.13
60 mph	157.82	321.45	210.75	279.17	405.84	439.41	724.55	1,004.67
65 mph	177.48	358.24	236.65	313.91	411.79	441.41		
70 mph	192.69	373.23	253.93	340.98	417.88	448.80		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,067.69
10 mph								4,125.73
15 mph								3,461.76
20 mph								3,022.56
25 mph								2,786.71
30 mph								2,636.12
35 mph								2,516.92
40 mph								2,419.16
45 mph								2,336.94
50 mph								2,266.47
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	6,165.05	552.72	2,738.58	1,227.33	1,218.97	410.21	1,276.44	13.03	13,602.33
15 mph	2,015.89	180.75	895.38	401.12	398.46	133.99	348.32	3.56	4,377.47
20 mph	3,353.08	300.63	1,489.27	667.20	662.64	222.90	578.83	5.94	7,280.49
25 mph	14,332.67	1,285.20	6,367.35	2,853.97	2,831.72	952.31	2,723.10	27.98	31,374.31
30 mph	13,993.12	1,254.72	6,217.46	2,788.76	2,764.99	929.98	2,198.87	22.58	30,170.48
35 mph	10,618.24	951.99	4,718.22	2,118.37	2,098.15	705.88	918.13	9.41	22,138.39
40 mph	3,428.76	307.42	1,523.52	684.08	677.06	227.80	987.07	10.11	7,845.83
45 mph	2,873.25	257.49	1,275.81	572.72	566.28	190.52	793.06	8.09	6,537.23
50 mph	2,958.99	265.13	1,313.46	589.97	582.92	196.05	1,325.77	13.50	7,245.80
55 mph	2,459.04	220.29	1,091.67	490.54	485.37	163.23	318.03	3.24	5,231.41
60 mph	5,062.48	454.22	2,252.59	1,013.54	1,010.06	339.68	330.80	3.36	10,466.71
65 mph	648.43	58.26	289.04	130.25	130.08	43.73	-	-	1,299.80
70 mph	-	-	-	-	-	-	-	-	-
total	67,909.00	6,088.83	30,172.35	13,537.86	13,426.71	4,516.27	11,798.41	120.81	147,570.24

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	509.88	45.71	226.50	212.00	261.39	87.96	-	-	1,343.44
15 mph	416.81	37.37	185.13	173.21	213.61	71.83	-	-	1,097.97
20 mph	346.65	31.08	153.96	144.06	177.62	59.75	1,043.49	10.71	1,967.31
25 mph	592.70	53.15	263.31	246.48	303.61	102.10	1,561.98	16.05	3,139.37
30 mph	1,052.10	94.34	467.47	437.91	539.01	181.29	2,378.41	24.43	5,174.95
35 mph	2,195.47	196.84	975.56	914.76	1,124.79	378.41	2,206.88	22.62	8,015.33
40 mph	2,363.15	211.88	1,050.03	984.68	1,209.88	407.06	1,957.39	20.05	8,204.12
45 mph	1,901.07	170.37	844.13	791.41	971.44	326.83	1,429.69	14.59	6,449.53
50 mph	2,202.52	197.35	977.67	917.15	1,124.99	378.36	735.40	7.49	6,540.93
55 mph	1,271.10	113.87	564.29	529.57	650.50	218.76	382.22	3.89	3,734.21
60 mph	785.05	70.44	349.32	328.25	406.11	136.57	27,829.40	282.66	30,187.80
65 mph	268.14	24.09	119.53	112.49	139.47	46.89	-	-	710.61
70 mph	12,507.81	1,122.93	5,559.36	5,277.82	6,496.15	2,177.43	-	-	33,141.50
total	26,412.45	2,369.42	11,736.26	11,069.80	13,618.56	4,573.25	39,524.85	402.48	109,707.08

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	453.43	154.80	617.04	11.90	1,237.17
15 mph	3,633.72	325.81	1,613.96	581.03	609.65	205.01	559.51	5.73	7,534.42
25 mph	-	-	-	-	822.85	276.73	1,740.11	17.88	2,857.57
35 mph	9,150.16	820.37	4,065.88	1,348.03	-	-	-	-	15,384.44
total	12,783.88	1,146.18	5,679.84	1,929.06	1,885.93	636.54	2,916.66	35.51	27,013.60

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	453.43	154.80	617.04	11.90	1,237.17
10 mph	6,674.94	598.43	2,965.08	1,439.33	1,480.36	498.17	1,276.44	13.03	14,945.77
15 mph	6,066.42	543.93	2,694.48	1,155.36	1,221.71	410.83	907.83	9.29	13,009.85
20 mph	3,699.73	331.71	1,643.24	811.26	840.26	282.65	1,622.32	16.65	9,247.80
25 mph	14,925.37	1,338.35	6,630.66	3,100.45	3,958.19	1,331.14	6,025.19	61.90	37,371.25
30 mph	15,045.21	1,349.06	6,684.93	3,226.67	3,304.00	1,111.27	4,577.28	47.01	35,345.43
35 mph	21,963.87	1,969.19	9,759.65	4,381.16	3,222.94	1,084.29	3,125.01	32.03	45,538.16
40 mph	5,791.91	519.30	2,573.55	1,668.77	1,886.95	634.86	2,944.47	30.16	16,049.95
45 mph	4,774.32	427.86	2,119.94	1,364.14	1,537.72	517.35	2,222.75	22.69	12,986.76
50 mph	5,161.51	462.49	2,291.13	1,507.11	1,707.91	574.41	2,061.17	20.99	13,786.73
55 mph	3,730.15	334.16	1,655.96	1,020.11	1,135.87	381.99	700.25	7.13	8,965.62
60 mph	5,847.53	524.65	2,601.90	1,341.79	1,416.17	476.26	28,160.19	286.02	40,654.51
65 mph	916.57	82.36	408.57	242.74	269.55	90.62	-	-	2,010.41
70 mph	12,507.81	1,122.93	5,559.36	5,277.82	6,496.15	2,177.43	-	-	33,141.50
total	107,105.33	9,604.43	47,588.45	26,536.72	28,931.20	9,726.07	54,239.93	558.80	284,290.93

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	60.77	0.13	25.12	39.22	798.06	596.10	4,630.82	12,810.38	18,960.60
15 mph	19.99	0.04	8.33	13.30	207.92	158.29	1,214.04	3,213.03	4,834.94
20 mph	32.80	0.07	13.69	22.09	354.82	270.32	2,073.93	5,465.63	8,233.34
25 mph	137.51	0.29	57.40	93.49	1,572.91	1,204.06	9,954.08	25,143.87	38,163.59
30 mph	131.03	0.27	54.59	88.91	1,572.56	1,195.55	7,946.63	20,062.51	31,052.05
35 mph	96.94	0.20	40.30	66.09	1,288.67	979.77	3,194.74	8,176.53	13,843.23
40 mph	30.24	0.06	12.54	20.61	418.14	314.93	3,253.50	8,313.38	12,363.40
45 mph	24.34	0.05	10.07	16.53	340.05	252.41	2,467.25	6,304.08	9,414.78
50 mph	24.41	0.05	10.09	16.63	356.72	261.91	3,956.62	9,997.76	14,624.19
55 mph	20.44	0.04	8.44	14.03	297.84	216.58	939.50	2,391.46	3,888.33
60 mph	44.31	0.09	18.28	30.39	601.51	434.61	1,003.58	2,536.75	4,669.52
65 mph	6.23	0.01	2.57	4.27	76.29	54.57	-	-	143.94
70 mph	-	-	-	-	-	-	-	-	-
total	629.01	1.31	261.41	425.56	7,885.48	5,939.10	40,634.69	104,415.37	160,191.92

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	5.03	0.01	2.08	6.77	171.13	127.83	-	-	312.84
15 mph	4.13	0.01	1.72	5.74	111.46	84.86	-	-	207.93
20 mph	3.39	0.01	1.42	4.77	95.11	72.46	3,738.78	9,853.18	13,769.10
25 mph	5.69	0.01	2.37	8.07	168.64	129.10	5,709.69	14,422.60	20,446.18
30 mph	9.85	0.02	4.10	13.96	306.56	233.06	8,595.49	21,700.66	30,863.70
35 mph	20.04	0.04	8.33	28.54	690.84	525.24	7,679.10	19,653.68	28,605.82
40 mph	20.84	0.04	8.64	29.67	747.20	562.76	6,451.78	16,485.67	24,306.61
45 mph	16.11	0.03	6.66	22.84	583.35	433.00	4,447.85	11,364.69	16,874.53
50 mph	18.17	0.04	7.51	25.84	688.43	505.46	2,194.71	5,545.69	8,985.86
55 mph	10.56	0.02	4.36	15.15	399.17	290.26	1,129.12	2,874.15	4,722.80
60 mph	6.87	0.01	2.83	9.84	241.85	174.74	84,429.86	213,412.59	298,278.60
65 mph	2.58	0.01	1.06	3.69	81.80	58.51	-	-	147.64
70 mph	128.64	0.25	52.37	184.32	3,818.27	2,736.61	-	-	6,920.46
total	251.90	0.51	103.47	359.22	8,103.80	5,933.89	124,376.37	315,312.91	454,442.07

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	371.72	401.25	1,677.78	2,712.17	5,162.92
15 mph	36.04	0.08	15.02	19.26	318.12	242.19	1,950.14	5,161.17	7,742.02
25 mph	-	-	-	-	457.06	349.88	6,360.85	16,067.42	23,235.21
35 mph	83.53	0.17	34.73	42.06	-	-	-	-	160.49
total	119.57	0.25	49.75	61.32	1,146.90	993.32	9,988.77	23,940.76	36,300.65

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	371.72	401.25	1,677.78	2,712.17	5,162.92
10 mph	65.80	0.14	27.20	45.99	969.19	723.93	4,630.82	12,810.38	19,273.44
15 mph	60.17	0.13	25.08	38.31	637.50	485.34	3,164.18	8,374.20	12,784.89
20 mph	36.19	0.08	15.11	26.86	449.92	342.77	5,812.70	15,318.81	22,002.45
25 mph	143.19	0.30	59.77	101.56	2,198.61	1,683.04	22,024.62	55,633.89	81,844.99
30 mph	140.88	0.29	58.69	102.87	1,879.11	1,428.61	16,542.12	41,763.17	61,915.75
35 mph	200.51	0.41	83.36	136.69	1,979.51	1,505.00	10,873.84	27,830.21	42,609.55
40 mph	51.08	0.11	21.18	50.29	1,165.34	877.69	9,705.28	24,799.05	36,670.01
45 mph	40.45	0.08	16.74	39.37	923.40	685.41	6,915.10	17,668.77	26,289.32
50 mph	42.59	0.09	17.60	42.47	1,045.15	767.37	6,151.34	15,543.45	23,610.05
55 mph	31.00	0.06	12.80	29.18	697.01	506.84	2,068.62	5,265.61	8,611.13
60 mph	51.18	0.10	21.11	40.23	843.36	609.35	85,433.44	215,949.34	302,948.11
65 mph	8.80	0.02	3.63	7.96	158.09	113.08	-	-	291.58
70 mph	128.64	0.25	52.37	184.32	3,818.27	2,736.61	-	-	6,920.46
total	1,000.49	2.06	414.63	846.11	17,136.18	12,866.30	174,999.83	443,669.04	650,934.64

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1,422.64	1,422.64
15 mph								397.89	397.89
20 mph								694.83	694.83
25 mph								3,523.35	3,523.35
30 mph								3,029.96	3,029.96
35 mph								1,301.83	1,301.83
40 mph								1,390.29	1,390.29
45 mph								1,074.43	1,074.43
50 mph								1,693.30	1,693.30
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	14,528.52	14,528.52

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1,252.60	1,252.60
25 mph								2,021.00	2,021.00
30 mph								3,277.36	3,277.36
35 mph								3,129.16	3,129.16
40 mph								2,756.99	2,756.99
45 mph								1,936.94	1,936.94
50 mph								939.26	939.26
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	9,680.13	9,680.13

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								191.94	191.94
15 mph								639.15	639.15
25 mph								2,251.49	2,251.49
35 mph								-	-
total	-	-	-	-	-	-	-	3,082.58	3,082.58

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								191.94	191.94
10 mph								1,422.64	1,422.64
15 mph								1,037.04	1,037.04
20 mph								1,947.43	1,947.43
25 mph								7,795.84	7,795.84
30 mph								6,307.33	6,307.33
35 mph								4,430.99	4,430.99
40 mph								4,147.28	4,147.28
45 mph								3,011.37	3,011.37
50 mph								2,632.56	2,632.56
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	32,924.41	32,924.41

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	825.15	556.05	2,294.82	2,916.01	6,592.03
10 mph	6,740.73	598.57	2,992.27	1,485.32	2,449.54	1,222.10	5,907.26	14,246.05	35,641.85
15 mph	6,126.59	544.06	2,719.56	1,193.66	1,859.21	896.17	4,072.00	9,420.53	26,831.79
20 mph	3,735.92	331.78	1,658.35	838.12	1,290.18	625.42	7,435.02	17,282.88	33,197.67
25 mph	15,068.56	1,338.65	6,690.43	3,202.01	6,156.80	3,014.18	28,049.81	63,491.63	127,012.08
30 mph	15,186.10	1,349.36	6,743.62	3,329.54	5,183.12	2,539.88	21,119.39	48,117.50	103,568.51
35 mph	22,164.38	1,969.61	9,843.02	4,517.85	5,202.45	2,589.30	13,998.85	32,293.24	92,578.70
40 mph	5,842.99	519.40	2,594.73	1,719.05	3,052.29	1,512.55	12,649.74	28,976.49	56,867.25
45 mph	4,814.77	427.95	2,136.67	1,403.51	2,461.12	1,202.76	9,137.84	20,702.82	42,287.44
50 mph	5,204.10	462.57	2,308.72	1,549.58	2,753.06	1,341.79	8,212.51	18,197.00	40,029.34
55 mph	3,761.15	334.22	1,668.76	1,049.29	1,832.88	888.83	2,768.88	5,272.73	17,576.74
60 mph	5,898.71	524.76	2,623.02	1,382.02	2,259.52	1,085.60	113,593.63	216,235.36	343,602.63
65 mph	925.38	82.38	412.20	250.70	427.64	203.70	-	-	2,301.99
70 mph	12,636.44	1,123.18	5,611.73	5,462.14	10,314.42	4,914.05	-	-	40,061.96
STREX	369.82	33.29	168.50	324.92	27.30	9.10	26.09	0.27	959.29
total	108,475.64	9,639.78	48,171.57	27,707.75	46,094.69	22,601.48	229,265.85	477,152.53	**969,109.27**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	43.09	50.81	52.21	64.31	16.82	19.21	32.62	39.00
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	369.82	33.29	168.50	324.92	27.30	9.10	26.09	0.27
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	369.82	33.29	168.50	324.92	27.30	9.10	26.09	0.27

World Logistics Center
Mobile Emissions - 2034 (Net) - Unmitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
43.88	1,331.88	839.23	9.37	12.43	220.54	135.24	368.20	11.85	54.13	52.95	118.93	9.01	116.05	42.01	1,012,353.72

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
8.01	243.07	153.16	1.71	2.27	40.25	24.68	67.20	2.16	9.88	9.66	21.71	1.64	21.18	7.67	184,754.55

World Logistics Center
Mobile Emissions - 2034 (Net) - Unmitigated
VMT

	Net Trips			Net VMT		
	Gas	**Dsl**	**Elec**	**Gas**	**Dsl**	**Elec**
LDA	4,291.96	50.32	233.92	219,594.25	2,574.68	11,968.15
LDT1	327.81	0.05	9.77	16,772.32	2.53	499.94
LDT2	1,614.34	15.56	59.80	82,595.94	796.00	3,059.71
MDT	2,397.24	79.69	96.77	36,727.10	1,220.93	1,482.63
LHDT1	763.36	789.56	-	17,906.63	18,521.17	-
LHDT2	222.30	524.32	-	5,214.50	12,299.24	-
MHDT	379.63	2,260.73	-	17,074.34	101,679.20	-
HHDT	3.42	4,112.46	286.78	153.89	184,963.24	12,898.35

	Surface Street VMT			Freeway VMT		
	Gas	**Dsl**	**Elec**	**Gas**	**Dsl**	**Elec**
LDA	155,351.92	1,821.46	8,466.87	64,242.33	753.22	3,501.28
LDT1	11,865.57	1.79	353.69	4,906.74	0.74	146.26
LDT2	58,432.49	563.13	2,164.59	24,163.46	232.87	895.12
MDT	19,707.09	655.13	795.55	17,020.01	565.80	687.08
LHDT1	8,641.48	8,938.04	-	9,265.15	9,583.13	-
LHDT2	2,516.44	5,935.43	-	2,698.06	6,363.81	-
MHDT	3,707.37	22,077.75	-	13,366.96	79,601.46	-
HHDT	33.41	40,161.33	2,800.64	120.47	144,801.92	10,097.71

	% of Surface Street VMT		% of Freeway VMT	
Speed	**All Other**	**MHDT/HHDT**	**All Other**	**MHDT/HHDT**
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	7,767.60	593.28	2,921.62	985.35	432.07	125.82	222.44	2.00	13,050.20
15 mph	3,107.04	237.31	1,168.65	394.14	172.83	50.33	74.15	0.67	5,205.12
20 mph	6,214.08	474.62	2,337.30	788.28	345.66	100.66	148.29	1.34	10,410.23
25 mph	31,070.38	2,373.11	11,686.50	3,941.42	1,728.30	503.29	815.62	7.35	52,125.97
30 mph	34,177.42	2,610.43	12,855.15	4,335.56	1,901.12	553.62	741.47	6.68	57,181.45
35 mph	27,963.34	2,135.80	10,517.85	3,547.28	1,555.47	452.96	333.66	3.01	46,509.37
40 mph	9,321.11	711.93	3,505.95	1,182.43	518.49	150.99	370.74	3.34	15,764.98
45 mph	7,767.60	593.28	2,921.62	985.35	432.07	125.82	296.59	2.67	13,125.01
50 mph	7,767.60	593.28	2,921.62	985.35	432.07	125.82	481.96	4.34	13,312.05
55 mph	6,214.08	474.62	2,337.30	788.28	345.66	100.66	111.22	1.00	10,372.82
60 mph	12,428.15	949.25	4,674.60	1,576.57	691.32	201.32	111.22	1.00	20,633.42
65 mph	1,553.52	118.66	584.32	197.07	86.41	25.16	-	-	2,565.15
70 mph	-	-	-	-	-	-	-	-	-
total	155,351.92	11,865.57	58,432.49	19,707.09	8,641.48	2,516.44	3,707.37	33.41	260,255.78

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	642.42	49.07	241.63	170.20	92.65	26.98	-	-	1,222.96
15 mph	642.42	49.07	241.63	170.20	92.65	26.98	-	-	1,222.96
20 mph	642.42	49.07	241.63	170.20	92.65	26.98	267.34	2.41	1,492.71
25 mph	1,284.85	98.13	483.27	340.40	185.30	53.96	467.84	4.22	2,917.98
30 mph	2,569.69	196.27	966.54	680.80	370.61	107.92	802.02	7.23	5,701.08
35 mph	5,781.81	441.61	2,174.71	1,531.80	833.86	242.83	802.02	7.23	11,815.86
40 mph	6,424.23	490.67	2,416.35	1,702.00	926.52	269.81	735.18	6.63	12,971.38
45 mph	5,139.39	392.54	1,933.08	1,361.60	741.21	215.84	534.68	4.82	10,323.16
50 mph	5,781.81	441.61	2,174.71	1,531.80	833.86	242.83	267.34	2.41	11,276.37
55 mph	3,212.12	245.34	1,208.17	851.00	463.26	134.90	133.67	1.20	6,249.66
60 mph	1,927.27	147.20	724.90	510.60	277.95	80.94	9,356.87	84.33	13,110.08
65 mph	642.42	49.07	241.63	170.20	92.65	26.98	-	-	1,222.96
70 mph	29,551.47	2,257.10	11,115.19	7,829.20	4,261.97	1,241.11	-	-	56,256.05
total	64,242.33	4,906.74	24,163.46	17,020.01	9,265.15	2,698.06	13,366.96	120.47	135,783.19

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	52.45	15.27	24.31	0.29	92.32
15 mph	5,177.71	395.47	1,947.49	570.62	263.34	76.69	118.49	1.07	8,550.87
25 mph	-	-	-	-	500.13	145.64	518.49	4.67	1,168.93
35 mph	22,277.77	1,701.55	8,379.33	2,256.13	-	-	-	-	34,614.78
total	27,455.48	2,097.01	10,326.82	2,826.75	763.47	222.33	636.97	5.74	44,334.57

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	52.45	15.27	24.31	0.29	92.32
10 mph	8,410.02	642.35	3,163.26	1,155.55	524.73	152.80	222.44	2.00	14,273.15
15 mph	8,927.17	681.85	3,357.78	1,134.96	528.82	153.99	192.63	1.74	14,978.94
20 mph	6,856.50	523.69	2,578.93	958.48	438.31	127.64	415.63	3.75	11,902.94
25 mph	32,355.23	2,471.25	12,169.77	4,281.82	2,413.73	702.89	1,801.95	16.24	56,212.88
30 mph	36,747.11	2,806.70	13,821.69	5,016.36	2,271.73	661.54	1,543.49	13.91	62,882.53
35 mph	56,022.92	4,278.96	21,071.89	7,335.20	2,389.33	695.79	1,135.68	10.24	92,940.01
40 mph	15,745.35	1,202.61	5,922.29	2,884.43	1,445.00	420.79	1,105.92	9.97	28,736.36
45 mph	12,906.98	985.82	4,854.70	2,346.96	1,173.29	341.67	831.27	7.49	23,448.17
50 mph	13,549.41	1,034.89	5,096.34	2,517.16	1,265.94	368.65	749.30	6.75	24,588.42
55 mph	9,426.19	719.96	3,545.47	1,639.28	808.92	235.56	244.89	2.21	16,622.49
60 mph	14,355.42	1,096.45	5,399.50	2,087.17	969.27	282.26	9,468.09	85.33	33,743.50
65 mph	2,195.94	167.72	825.96	367.27	179.07	52.15	-	-	3,788.11
70 mph	29,551.47	2,257.10	11,115.19	7,829.20	4,261.97	1,241.11	-	-	56,256.05
total	247,049.73	18,869.33	92,922.77	39,553.85	18,670.10	5,436.83	17,711.31	159.63	440,373.54

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	91.07	0.09	28.16	32.76	446.90	296.77	1,324.66	2,409.68	4,630.09
15 mph	36.43	0.04	11.26	13.10	178.76	118.71	441.55	803.23	1,603.08
20 mph	72.86	0.07	22.53	26.21	357.52	237.42	883.11	1,606.45	3,206.16
25 mph	364.29	0.36	112.63	131.03	1,787.61	1,187.09	4,857.10	8,835.49	17,275.59
30 mph	400.72	0.39	123.89	144.13	1,966.37	1,305.79	4,415.55	8,032.27	16,389.11
35 mph	327.86	0.32	101.36	117.92	1,608.85	1,068.38	1,987.00	3,614.52	8,826.21
40 mph	109.29	0.11	33.79	39.31	536.28	356.13	2,207.77	4,016.13	7,298.81
45 mph	91.07	0.09	28.16	32.76	446.90	296.77	1,766.22	3,212.91	5,874.87
50 mph	91.07	0.09	28.16	32.76	446.90	296.77	2,870.11	5,220.97	8,986.83
55 mph	72.86	0.07	22.53	26.21	357.52	237.42	662.33	1,204.84	2,583.77
60 mph	145.72	0.14	45.05	52.41	715.04	474.83	662.33	1,204.84	3,300.37
65 mph	18.21	0.02	5.63	6.55	89.38	59.35	-	-	179.15
70 mph	-	-	-	-	-	-	-	-	-
total	1,821.46	1.79	563.13	655.13	8,938.04	5,935.43	22,077.75	40,161.33	80,154.05

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	7.53	0.01	2.33	5.66	95.83	63.64	-	-	175.00
15 mph	7.53	0.01	2.33	5.66	95.83	63.64	-	-	175.00
20 mph	7.53	0.01	2.33	5.66	95.83	63.64	1,592.03	2,896.04	4,663.06
25 mph	15.06	0.01	4.66	11.32	191.66	127.28	2,786.05	5,068.07	8,204.11
30 mph	30.13	0.03	9.31	22.63	383.33	254.55	4,776.09	8,688.12	14,164.19
35 mph	67.79	0.07	20.96	50.92	862.48	572.74	4,776.09	8,688.12	15,039.16
40 mph	75.32	0.07	23.29	56.58	958.31	636.38	4,378.08	7,964.11	14,092.14
45 mph	60.26	0.06	18.63	45.26	766.65	509.10	3,184.06	5,792.08	10,376.10
50 mph	67.79	0.07	20.96	50.92	862.48	572.74	1,592.03	2,896.04	6,063.03
55 mph	37.66	0.04	11.64	28.29	479.16	318.19	796.01	1,448.02	3,119.01
60 mph	22.60	0.02	6.99	16.97	287.49	190.91	55,721.02	101,361.34	157,607.35
65 mph	7.53	0.01	2.33	5.66	95.83	63.64	-	-	175.00
70 mph	346.48	0.34	107.12	260.27	4,408.24	2,927.35	-	-	8,049.80
total	753.22	0.74	232.87	565.80	9,583.13	6,363.81	79,601.46	144,801.92	241,902.95

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	54.25	36.03	144.74	263.30	498.32
15 mph	60.71	0.06	18.77	18.97	272.37	180.87	705.59	1,283.53	2,540.87
25 mph	-	-	-	-	517.29	343.52	3,087.63	5,616.67	9,565.11
35 mph	261.20	0.26	80.75	75.00	-	-	-	-	417.21
total	321.91	0.32	99.52	93.97	789.67	524.39	3,793.22	6,900.20	12,523.19

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	54.25	36.03	144.74	263.30	498.32
10 mph	98.61	0.10	30.49	38.41	542.73	360.41	1,324.66	2,409.68	4,805.09
15 mph	104.67	0.10	32.36	37.73	546.97	363.22	1,147.14	2,086.75	4,318.95
20 mph	80.39	0.08	24.85	31.86	453.35	301.06	2,475.14	4,502.49	7,869.23
25 mph	379.36	0.37	117.28	142.34	2,496.57	1,657.88	10,730.79	19,520.23	35,044.81
30 mph	430.85	0.42	133.20	166.76	2,349.69	1,560.35	9,191.64	16,720.38	30,553.30
35 mph	656.85	0.64	203.08	243.85	2,471.33	1,641.12	6,763.08	12,302.63	24,282.59
40 mph	184.61	0.18	57.07	95.89	1,494.60	992.51	6,585.85	11,980.24	21,390.95
45 mph	151.33	0.15	46.79	78.02	1,213.55	805.88	4,950.28	9,004.98	16,250.98
50 mph	158.86	0.16	49.11	83.68	1,309.38	869.51	4,462.14	8,117.01	15,049.86
55 mph	110.52	0.11	34.17	54.50	836.68	555.61	1,458.35	2,652.86	5,702.78
60 mph	168.31	0.17	52.04	69.38	1,002.54	665.75	56,383.35	102,566.18	160,907.72
65 mph	25.75	0.03	7.96	12.21	185.21	122.99	-	-	354.15
70 mph	346.48	0.34	107.12	260.27	4,408.24	2,927.35	-	-	8,049.80
total	2,896.59	2.84	895.52	1,314.90	19,310.84	12,823.63	105,472.42	191,863.44	334,580.19

Surface Street VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	423.34	17.68	108.23	39.78	-	-	-	168.04	757.07
15 mph	169.34	7.07	43.29	15.91	-	-	-	56.01	291.63
20 mph	338.67	14.15	86.58	31.82	-	-	-	112.03	583.25
25 mph	1,693.37	70.74	432.92	159.11	-	-	-	616.14	2,972.28
30 mph	1,862.71	77.81	476.21	175.02	-	-	-	560.13	3,151.88
35 mph	1,524.04	63.66	389.63	143.20	-	-	-	252.06	2,372.58
40 mph	508.01	21.22	129.88	47.73	-	-	-	280.06	986.91
45 mph	423.34	17.68	108.23	39.78	-	-	-	224.05	813.09
50 mph	423.34	17.68	108.23	39.78	-	-	-	364.08	953.12
55 mph	338.67	14.15	86.58	31.82	-	-	-	84.02	555.25
60 mph	677.35	28.29	173.17	63.64	-	-	-	84.02	1,026.47
65 mph	84.67	3.54	21.65	7.96	-	-	-	-	117.81
70 mph	-	-	-	-	-	-	-	-	-
total	8,466.87	353.69	2,164.59	795.55	-	-	-	2,800.64	14,581.33

Freeway VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	35.01	1.46	8.95	6.87	-	-	-	-	52.30
15 mph	35.01	1.46	8.95	6.87	-	-	-	-	52.30
20 mph	35.01	1.46	8.95	6.87	-	-	-	201.95	254.25
25 mph	70.03	2.93	17.90	13.74	-	-	-	353.42	458.01
30 mph	140.05	5.85	35.80	27.48	-	-	-	605.86	815.05
35 mph	315.12	13.16	80.56	61.84	-	-	-	605.86	1,076.54
40 mph	350.13	14.63	89.51	68.71	-	-	-	555.37	1,078.35
45 mph	280.10	11.70	71.61	54.97	-	-	-	403.91	822.29
50 mph	315.12	13.16	80.56	61.84	-	-	-	201.95	672.63
55 mph	175.06	7.31	44.76	34.35	-	-	-	100.98	362.46
60 mph	105.04	4.39	26.85	20.61	-	-	-	7,068.40	7,225.29
65 mph	35.01	1.46	8.95	6.87	-	-	-	-	52.30
70 mph	1,610.59	67.28	411.75	316.05	-	-	-	-	2,405.68
total	3,501.28	146.26	895.12	687.08	-	-	-	10,097.71	15,327.45

Internal VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	18.36	18.36
15 mph	282.19	11.79	72.14	23.04	-	-	-	89.51	478.66
25 mph	-	-	-	-	-	-	-	391.68	391.68
35 mph	1,214.17	50.72	310.41	91.08	-	-	-	-	1,666.37
total	1,496.36	62.51	382.55	114.11	-	-	-	481.18	2,536.71

Total VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	18.36	18.36
10 mph	458.36	19.15	117.18	46.65	-	-	-	168.04	809.37
15 mph	486.54	20.32	124.39	45.82	-	-	-	145.52	822.59
20 mph	373.69	15.61	95.53	38.69	-	-	-	313.98	837.50
25 mph	1,763.40	73.66	450.82	172.85	-	-	-	1,361.24	3,821.97
30 mph	2,002.76	83.66	512.01	202.50	-	-	-	1,165.99	3,966.93
35 mph	3,053.32	127.55	780.59	296.11	-	-	-	857.92	5,115.49
40 mph	858.14	35.85	219.39	116.44	-	-	-	835.44	2,065.25
45 mph	703.45	29.38	179.84	94.74	-	-	-	627.96	1,635.37
50 mph	738.46	30.85	188.79	101.61	-	-	-	566.04	1,625.75
55 mph	513.74	21.46	131.34	66.18	-	-	-	185.00	917.71
60 mph	782.39	32.68	200.02	84.26	-	-	-	7,152.42	8,251.77
65 mph	119.68	5.00	30.60	14.83	-	-	-	-	170.10
70 mph	1,610.59	67.28	411.75	316.05	-	-	-	-	2,405.68
total	8,138.06	339.95	2,080.53	802.63	-	-	-	4,012.68	32,445.49

World Logistics Center
Mobile Emissions - 2034 (Net) - Unmitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	26025	330	0.21	5465.2	5125.8	60.1	279.4
	LDT1	15	1920	330	0.21	403.2	391.5	0.1	11.7
	LDT2	15	9609	330	0.21	2018.0	1928.0	18.6	71.4
	MDT	15	2895	330	0.21	608.0	566.3	18.8	22.9
	LHDT1	15	2544	330	0.21	534.2	262.6	271.6	0.0
	LHDT2	15	1223	330	0.21	256.8	76.5	180.4	0.0
	MHDT	15	3894	330	0.21	817.8	117.6	700.2	0.0
	HHDT	15	6493	330	0.21	1363.6	1.1	1273.7	88.8
Travel at Light Logistics	LDA	15	187	175	0.11	20.6	19.3	0.2	1.1
	LDT1	15	14	175	0.11	1.5	1.5	0.0	0.0
	LDT2	15	69	175	0.11	7.6	7.3	0.1	0.3
	MDT	15	17	175	0.11	1.9	1.8	0.1	0.1
	LHDT1	15	10	175	0.11	1.1	0.6	0.6	0.0
	LHDT2	15	5	175	0.11	0.5	0.2	0.4	0.0
	MHDT	15	13	175	0.11	1.4	0.2	1.2	0.0
	HHDT	15	21	175	0.11	2.3	0.0	2.2	0.2
Travel at Utility	LDA	15	212	100	0.06	12.7	11.9	0.1	0.6
	LDT1	15	16	100	0.06	0.9	0.9	0.0	0.0
	LDT2	15	78	100	0.06	4.7	4.5	0.0	0.2
	MDT	15	45	100	0.06	2.7	2.5	0.1	0.1
	LHDT1	15	7	100	0.06	0.4	0.2	0.2	0.0
	LHDT2	15	3	100	0.06	0.2	0.1	0.1	0.0
	MHDT	15	13	100	0.06	0.8	0.1	0.7	0.0
	HHDT	15	22	100	0.06	1.3	0.0	1.2	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	137	50	0.03	4.1	0.6	3.5	0.0
	HHDT	15	229	50	0.03	6.9	0.0	6.4	0.4
Travel at Convenience Store	LDA	15	646	50	0.03	19.4	18.2	0.2	1.0
	LDT1	15	48	50	0.03	1.4	1.4	0.0	0.0
	LDT2	15	239	50	0.03	7.2	6.8	0.1	0.3
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	92	50	0.03	2.7	2.6	0.0	0.1
	LDT1	15	7	50	0.03	0.2	0.2	0.0	0.0
	LDT2	15	34	50	0.03	1.0	1.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5177.7	395.5	1947.5	570.6	263.3	76.7	118.5	1.1
Diesel	60.7	0.1	18.8	19.0	272.4	180.9	705.6	1283.5
Electric/Natural Gas (HHDT Only)	282.2	11.8	72.1	23.0	0.0	0.0	0.0	89.5

World Logistics Center
Mobile Emissions - 2034 (Net) - Unmitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles
Travel at High Cube Warehouse	LHDT1	5	1272	625
	LHDT2	5	611	182
	MHDT	5	1947	280
	HHDT	5	3247	3
Travel at Light Logistics	LHDT1	5	5	3
	LHDT2	5	2	1
	MHDT	5	6	1
	HHDT	5	11	0
Travel at Utility	LHDT1	5	3	2
	LHDT2	5	2	0
	MHDT	5	7	1
	HHDT	5	11	0
Travel at Gas Station/Convenience Store	LHDT1	5	0	0
	LHDT2	5	0	0
	MHDT	5	69	10
	HHDT	5	114	0
Travel at Convenience Store	LHDT1	5	0	0
	LHDT2	5	0	0
	MHDT	5	0	0
	HHDT	5	0	0
Travel at Fire Station	LHDT1	5	0	0
	LHDT2	5	0	0
	MHDT	5	0	0
	HHDT	5	0	0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	52.4	15.3	24.3	0.3
Diesel	54.2	36.0	144.7	263.3
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	18.4

Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
647	0	3126.0	3233.3	0.0
429	0	910.3	2147.1	0.0
1667	0	1399.8	8335.7	0.0
3033	211	12.6	15163.4	1057.4
3	0	12.5	13.0	0.0
2	0	3.7	8.6	0.0
5	0	4.5	27.0	0.0
10	1	0.0	49.0	3.4
2	0	8.5	8.7	0.0
1	0	2.5	5.8	0.0
6	0	4.7	28.1	0.0
10	1	0.0	51.1	3.6
0	0	0.0	0.0	0.0
0	0	0.0	0.0	0.0
59	0	49.4	293.9	0.0
107	7	0.4	534.6	37.3
0	0	0.0	0.0	0.0
0	0	0.0	0.0	0.0
0	0	0.0	0.0	0.0
0	0	0.0	0.0	0.0
0	0	0.0	0.0	0.0
0	0	0.0	0.0	0.0
0	0	0.0	0.0	0.0
0	0	0.0	0.0	0.0

World Logistics Center
Mobile Emissions - 2034 (Net) - Unmitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					13.1765	13.3669	27.1682	10.5807
10 mph	0.0125	0.0251	0.0230	0.0263	0.0264	0.0220	0.0557	1.3339
15 mph	0.0083	0.0169	0.0155	0.0176	0.0175	0.0146	0.0371	0.8863
20 mph	0.0058	0.0120	0.0109	0.0124	0.0125	0.0103	0.0261	0.6216
25 mph	0.0043	0.0089	0.0081	0.0092	0.0093	0.0076	0.0192	0.4595
30 mph	0.0033	0.0070	0.0063	0.0072	0.0073	0.0059	0.0149	0.3582
35 mph	0.0027	0.0058	0.0051	0.0059	0.0060	0.0049	0.0122	0.2948
40 mph	0.0024	0.0050	0.0044	0.0051	0.0053	0.0043	0.0106	0.2563
45 mph	0.0022	0.0046	0.0041	0.0047	0.0049	0.0039	0.0097	0.2349
50 mph	0.0021	0.0044	0.0039	0.0045	0.0048	0.0038	0.0094	0.2269
55 mph	0.0021	0.0045	0.0039	0.0046	0.0049	0.0038	0.0095	0.2307
60 mph	0.0022	0.0047	0.0041	0.0048	0.0052	0.0041	0.0102	0.2466
65 mph	0.0025	0.0051	0.0046	0.0053	0.0059	0.0046		
70 mph	0.0027	0.0059	0.0047	0.0058	0.0065	0.0047		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5082	2.3641
10 mph	0.0721	0.2326	0.1969	0.0811	0.5574	0.5598	0.0340	0.0807
15 mph	0.0355	0.1281	0.0962	0.0397	0.2765	0.2781	0.0189	0.0451
20 mph	0.0141	0.0661	0.0375	0.0156	0.1131	0.1143	0.0127	0.0285
25 mph	0.0086	0.0459	0.0225	0.0095	0.0699	0.0708	0.0100	0.0233
30 mph	0.0065	0.0364	0.0170	0.0072	0.0537	0.0544	0.0081	0.0188
35 mph	0.0052	0.0302	0.0135	0.0058	0.0437	0.0442	0.0066	0.0155
40 mph	0.0043	0.0264	0.0112	0.0048	0.0368	0.0373	0.0057	0.0133
45 mph	0.0037	0.0242	0.0095	0.0041	0.0320	0.0324	0.0052	0.0122
50 mph	0.0032	0.0229	0.0082	0.0035	0.0287	0.0291	0.0053	0.0123
55 mph	0.0029	0.0229	0.0072	0.0031	0.0261	0.0265	0.0058	0.0136
60 mph	0.0028	0.0242	0.0068	0.0030	0.0255	0.0260	0.0067	0.0158
65 mph	0.0028	0.0263	0.0068	0.0030	0.0272	0.0278		
70 mph	0.0029	0.0258	0.0068	0.0032	0.0378	0.0373		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0444
10 mph								0.3251
15 mph								0.2097
20 mph								0.1389
25 mph								0.1023
30 mph								0.0773
35 mph								0.0587
40 mph								0.0448
45 mph								0.0346
50 mph								0.0273
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.2132	0.0328	0.1484	0.0571	0.0251	0.0061	0.0273	0.0059	0.5160
15 mph	0.0568	0.0088	0.0399	0.0153	0.0067	0.0016	0.0061	0.0013	0.1365
20 mph	0.0798	0.0126	0.0563	0.0216	0.0095	0.0023	0.0085	0.0018	0.1924
25 mph	0.2938	0.0468	0.2080	0.0801	0.0353	0.0085	0.0346	0.0074	0.7144
30 mph	0.2507	0.0403	0.1776	0.0687	0.0305	0.0072	0.0244	0.0053	0.6047
35 mph	0.1677	0.0271	0.1185	0.0461	0.0207	0.0049	0.0090	0.0020	0.3960
40 mph	0.0485	0.0079	0.0343	0.0134	0.0061	0.0014	0.0087	0.0019	0.1221
45 mph	0.0372	0.0060	0.0262	0.0102	0.0047	0.0011	0.0063	0.0014	0.0931
50 mph	0.0358	0.0058	0.0251	0.0098	0.0045	0.0010	0.0099	0.0022	0.0943
55 mph	0.0291	0.0047	0.0203	0.0080	0.0037	0.0009	0.0023	0.0005	0.0695
60 mph	0.0614	0.0097	0.0427	0.0167	0.0079	0.0018	0.0025	0.0005	0.1433
65 mph	0.0085	0.0013	0.0059	0.0023	0.0011	0.0003	-	-	0.0195
70 mph	-	-	-	-	-	-	-	-	-
total	1.2826	0.2037	0.9033	0.3494	0.1557	0.0371	0.1397	0.0302	3.1017

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0176	0.0027	0.0123	0.0099	0.0054	0.0013	-	-	0.0492
15 mph	0.0118	0.0018	0.0082	0.0066	0.0036	0.0009	-	-	0.0329
20 mph	0.0082	0.0013	0.0058	0.0047	0.0025	0.0006	0.0154	0.0033	0.0419
25 mph	0.0121	0.0019	0.0086	0.0069	0.0038	0.0009	0.0198	0.0043	0.0584
30 mph	0.0189	0.0030	0.0134	0.0108	0.0059	0.0014	0.0264	0.0057	0.0854
35 mph	0.0347	0.0056	0.0245	0.0199	0.0111	0.0026	0.0216	0.0047	0.1247
40 mph	0.0334	0.0054	0.0236	0.0192	0.0108	0.0025	0.0172	0.0037	0.1160
45 mph	0.0246	0.0040	0.0173	0.0141	0.0080	0.0019	0.0114	0.0025	0.0838
50 mph	0.0267	0.0043	0.0187	0.0153	0.0087	0.0020	0.0055	0.0012	0.0825
55 mph	0.0150	0.0024	0.0105	0.0086	0.0050	0.0011	0.0028	0.0006	0.0461
60 mph	0.0095	0.0015	0.0066	0.0054	0.0032	0.0007	0.2107	0.0458	0.2835
65 mph	0.0035	0.0006	0.0024	0.0020	0.0012	0.0003	-	-	0.0100
70 mph	0.1781	0.0293	0.1163	0.1009	0.0609	0.0130	-	-	0.4985
total	0.3942	0.0639	0.2684	0.2243	0.1302	0.0293	0.3309	0.0719	1.5129

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.5239	0.4502	1.4561	0.0069	3.4370
15 mph	0.0947	0.0147	0.0664	0.0221	0.0102	0.0025	0.0097	0.0021	0.2224
25 mph	-	-	-	-	0.0102	0.0024	0.0220	0.0047	0.0394
35 mph	0.1336	0.0216	0.0944	0.0293	-	-	-	-	0.2790
total	0.2283	0.0363	0.1609	0.0515	1.5442	0.4551	1.4878	0.0137	3.9777

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.5239	0.4502	1.4561	0.0069	3.4370
10 mph	0.2309	0.0355	0.1606	0.0670	0.0305	0.0074	0.0273	0.0059	0.5651
15 mph	0.1633	0.0254	0.1145	0.0440	0.0204	0.0050	0.0158	0.0034	0.3917
20 mph	0.0880	0.0139	0.0621	0.0263	0.0121	0.0029	0.0239	0.0051	0.2343
25 mph	0.3059	0.0487	0.2166	0.0870	0.0493	0.0118	0.0764	0.0165	0.8122
30 mph	0.2696	0.0433	0.1910	0.0795	0.0364	0.0087	0.0507	0.0110	0.6901
35 mph	0.3359	0.0543	0.2375	0.0954	0.0318	0.0075	0.0306	0.0067	0.7996
40 mph	0.0819	0.0133	0.0579	0.0326	0.0169	0.0040	0.0259	0.0056	0.2381
45 mph	0.0617	0.0100	0.0436	0.0243	0.0127	0.0030	0.0178	0.0039	0.1769
50 mph	0.0625	0.0101	0.0439	0.0251	0.0133	0.0031	0.0155	0.0034	0.1768
55 mph	0.0441	0.0071	0.0309	0.0166	0.0087	0.0020	0.0052	0.0011	0.1156
60 mph	0.0709	0.0112	0.0494	0.0221	0.0111	0.0026	0.2132	0.0464	0.4269
65 mph	0.0121	0.0019	0.0083	0.0043	0.0023	0.0005	-	-	0.0295
70 mph	0.1781	0.0293	0.1163	0.1009	0.0609	0.0130	-	-	0.4985
total	1.9050	0.3039	1.3325	0.6252	1.8301	0.5215	1.9583	0.1158	8.5923

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0145	0.0000	0.0122	0.0059	0.5493	0.3664	0.0992	0.4288	1.4762
15 mph	0.0028	0.0000	0.0024	0.0011	0.1090	0.0728	0.0184	0.0799	0.2864
20 mph	0.0023	0.0000	0.0019	0.0009	0.0891	0.0598	0.0248	0.1010	0.2797
25 mph	0.0069	0.0000	0.0056	0.0027	0.2756	0.1854	0.1068	0.4539	1.0369
30 mph	0.0058	0.0000	0.0047	0.0023	0.2329	0.1568	0.0785	0.3336	0.8145
35 mph	0.0038	0.0000	0.0030	0.0015	0.1549	0.1042	0.0291	0.1232	0.4196
40 mph	0.0010	0.0000	0.0008	0.0004	0.0435	0.0293	0.0277	0.1178	0.2206
45 mph	0.0007	0.0000	0.0006	0.0003	0.0315	0.0212	0.0204	0.0868	0.1615
50 mph	0.0007	0.0000	0.0005	0.0003	0.0283	0.0191	0.0332	0.1412	0.2232
55 mph	0.0005	0.0000	0.0004	0.0002	0.0205	0.0139	0.0084	0.0361	0.0800
60 mph	0.0009	0.0000	0.0007	0.0003	0.0402	0.0272	0.0098	0.0420	0.1211
65 mph	0.0001	0.0000	0.0001	0.0000	0.0054	0.0036	-	-	0.0092
70 mph	-	-	-	-	-	-	-	-	-
total	0.0399	0.0002	0.0328	0.0160	1.5801	1.0596	0.4562	1.9441	5.1290

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0012	0.0000	0.0010	0.0010	0.1178	0.0786	-	-	0.1996
15 mph	0.0006	0.0000	0.0005	0.0005	0.0584	0.0390	-	-	0.0990
20 mph	0.0002	0.0000	0.0002	0.0002	0.0239	0.0160	0.0447	0.1820	0.2672
25 mph	0.0003	0.0000	0.0002	0.0002	0.0295	0.0199	0.0612	0.2603	0.3718
30 mph	0.0004	0.0000	0.0003	0.0004	0.0454	0.0306	0.0849	0.3608	0.5228
35 mph	0.0008	0.0000	0.0006	0.0006	0.0830	0.0558	0.0698	0.2961	0.5069
40 mph	0.0007	0.0000	0.0006	0.0006	0.0778	0.0523	0.0549	0.2335	0.4205
45 mph	0.0005	0.0000	0.0004	0.0004	0.0541	0.0364	0.0367	0.1564	0.2849
50 mph	0.0005	0.0000	0.0004	0.0004	0.0546	0.0368	0.0184	0.0783	0.1894
55 mph	0.0002	0.0000	0.0002	0.0002	0.0275	0.0186	0.0101	0.0434	0.1003
60 mph	0.0001	0.0000	0.0001	0.0001	0.0162	0.0109	0.8272	3.5306	4.3853
65 mph	0.0000	0.0000	0.0000	0.0000	0.0057	0.0039	-	-	0.0098
70 mph	0.0022	0.0000	0.0016	0.0019	0.3676	0.2411	-	-	0.6144
total	0.0079	0.0000	0.0062	0.0065	0.9616	0.6400	1.2080	5.1417	7.9719

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3796	0.2521	0.1622	1.3725	2.1664
15 mph	0.0047	0.0000	0.0040	0.0017	0.1660	0.1109	0.0293	0.1277	0.4444
25 mph	-	-	-	-	0.0797	0.0537	0.0679	0.2885	0.4898
35 mph	0.0030	0.0000	0.0024	0.0010	-	-	-	-	0.0064
total	0.0077	0.0000	0.0064	0.0026	0.6253	0.4166	0.2594	1.7887	3.1069

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3796	0.2521	0.1622	1.3725	2.1664
10 mph	0.0157	0.0000	0.0132	0.0069	0.6670	0.4449	0.0992	0.4288	1.6758
15 mph	0.0082	0.0000	0.0069	0.0033	0.3334	0.2228	0.0477	0.2076	0.8298
20 mph	0.0025	0.0000	0.0021	0.0011	0.1130	0.0758	0.0694	0.2830	0.5470
25 mph	0.0072	0.0000	0.0058	0.0030	0.3848	0.2589	0.2359	1.0027	1.8984
30 mph	0.0062	0.0000	0.0050	0.0026	0.2783	0.1873	0.1634	0.6944	1.3373
35 mph	0.0075	0.0000	0.0061	0.0031	0.2379	0.1600	0.0989	0.4193	0.9329
40 mph	0.0018	0.0000	0.0014	0.0010	0.1213	0.0816	0.0826	0.3513	0.6410
45 mph	0.0012	0.0000	0.0010	0.0007	0.0856	0.0576	0.0571	0.2432	0.4464
50 mph	0.0011	0.0000	0.0009	0.0007	0.0829	0.0559	0.0517	0.2196	0.4127
55 mph	0.0007	0.0000	0.0005	0.0004	0.0481	0.0325	0.0185	0.0795	0.1802
60 mph	0.0010	0.0000	0.0008	0.0005	0.0563	0.0382	0.8370	3.5726	4.5064
65 mph	0.0002	0.0000	0.0001	0.0001	0.0111	0.0075	-	-	0.0190
70 mph	0.0022	0.0000	0.0016	0.0019	0.3676	0.2411	-	-	0.6144
total	0.0555	0.0003	0.0454	0.0251	3.1670	2.1162	1.9236	8.8745	16.2078

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1204	0.1204
15 mph								0.0259	0.0259
20 mph								0.0343	0.0343
25 mph								0.1390	0.1390
30 mph								0.0955	0.0955
35 mph								0.0326	0.0326
40 mph								0.0277	0.0277
45 mph								0.0171	0.0171
50 mph								0.0219	0.0219
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.5144	0.5144

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0619	0.0619
25 mph								0.0797	0.0797
30 mph								0.1033	0.1033
35 mph								0.0784	0.0784
40 mph								0.0549	0.0549
45 mph								0.0308	0.0308
50 mph								0.0121	0.0121
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.3233	0.3233

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0018	0.0018
15 mph								0.0414	0.0414
25 mph								0.0884	0.0884
35 mph								-	-
total	-	-	-	-	-	-	-	0.1316	0.1316

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0018	0.0018
10 mph								0.1204	0.1204
15 mph								0.0673	0.0673
20 mph								0.0962	0.0962
25 mph								0.3072	0.3072
30 mph								0.1988	0.1988
35 mph								0.1110	0.1110
40 mph								0.0825	0.0825
45 mph								0.0479	0.0479
50 mph								0.0340	0.0340
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.0671	1.0671

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3087	1.0419	0.5487	0.5967	1.0163	0.9567	0.5607	1.5219
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS + HOTSOAK Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.9210	0.7531	1.9531	3.1541	1.7106	0.4689	0.4694	0.0115
Electric/NG	-	-	-	-	-	-	-	-
Total	**2.9210**	**0.7531**	**1.9531**	**3.1541**	**1.7106**	**0.4689**	**0.4694**	**0.0115**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2534	0.4590	0.4619	0.6330	0.0577	0.0556	0.0493	0.0469
Electric/NG	0.0316	0.0314	0.0315	0.0315	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.1990	0.1659	0.8222	1.6729	0.0486	0.0136	0.0206	0.0002
Electric/NG	0.0082	0.0003	0.0021	0.0034	-	-	-	-
Total	1.2072	0.1662	0.8243	1.6763	0.0486	0.0136	0.0206	0.0002

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0977	0.1255	0.1402	0.1592	0.0586	0.0578	0.1549	0.0013
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.9243	0.0907	0.4989	0.8414	0.0986	0.0283	0.1297	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.9243	0.0907	0.4989	0.8414	0.0986	0.0283	0.1297	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.9034	0.7022	1.6183	1.3812	5.6051
10 mph	0.2466	0.0355	0.1739	0.0739	0.6975	0.4523	0.1265	0.5551	2.3613
15 mph	0.1715	0.0254	0.1214	0.0473	0.3538	0.2277	0.0635	0.2782	1.2889
20 mph	0.0905	0.0139	0.0642	0.0274	0.1251	0.0787	0.0933	0.3843	0.8775
25 mph	0.3131	0.0488	0.2224	0.0900	0.4341	0.2707	0.3123	1.3263	3.0178
30 mph	0.2758	0.0433	0.1960	0.0821	0.3147	0.1960	0.2141	0.9042	2.2262
35 mph	0.3435	0.0543	0.2436	0.0985	0.2697	0.1675	0.1295	0.5370	1.8436
40 mph	0.0837	0.0133	0.0593	0.0336	0.1382	0.0856	0.1085	0.4395	0.9617
45 mph	0.0630	0.0100	0.0445	0.0250	0.0983	0.0606	0.0748	0.2950	0.6713
50 mph	0.0636	0.0101	0.0447	0.0258	0.0961	0.0589	0.0671	0.2570	0.6235
55 mph	0.0449	0.0071	0.0314	0.0169	0.0567	0.0345	0.0237	0.0806	0.2958
60 mph	0.0719	0.0113	0.0501	0.0226	0.0674	0.0407	1.0502	3.6190	4.9332
65 mph	0.0122	0.0019	0.0084	0.0044	0.0134	0.0081	-	-	0.0485
70 mph	0.1803	0.0293	0.1179	0.1027	0.4285	0.2541	-	-	1.1129
RL+HS	2.9210	0.7531	1.9531	3.1541	1.7106	0.4689	0.4694	0.0115	11.4418
RL+DIURN	1.2072	0.1662	0.8243	1.6763	0.0486	0.0136	0.0206	0.0002	3.9569
STREX	0.9243	0.0907	0.4989	0.8414	0.0986	0.0283	0.1297	0.0000	2.6120
total	7.0130	1.3142	4.6542	6.3221	6.8550	3.1486	4.5016	10.0691	**43.8778**

World Logistics Center
Mobile Emissions - 2034 (Net) - Unmitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.1480	1.1642	2.4115	27.0317
10 mph	0.0295	0.0485	0.0460	0.0518	0.0885	0.0950	0.1826	4.7137
15 mph	0.0259	0.0422	0.0402	0.0450	0.0771	0.0827	0.1616	4.1604
20 mph	0.0232	0.0376	0.0359	0.0402	0.0702	0.0750	0.1453	3.7410
25 mph	0.0212	0.0341	0.0324	0.0364	0.0640	0.0682	0.1323	3.4170
30 mph	0.0196	0.0315	0.0298	0.0336	0.0598	0.0635	0.1222	3.1739
35 mph	0.0185	0.0296	0.0279	0.0316	0.0569	0.0602	0.1147	2.9927
40 mph	0.0177	0.0283	0.0266	0.0302	0.0547	0.0577	0.1096	2.8614
45 mph	0.0171	0.0275	0.0258	0.0293	0.0533	0.0559	0.1060	2.7775
50 mph	0.0169	0.0273	0.0255	0.0291	0.0530	0.0552	0.1046	2.7457
55 mph	0.0171	0.0280	0.0260	0.0297	0.0538	0.0559	0.1058	2.7723
60 mph	0.0178	0.0294	0.0273	0.0312	0.0557	0.0580	0.1093	2.8612
65 mph	0.0186	0.0311	0.0286	0.0329	0.0586	0.0608		
70 mph	0.0196	0.0339	0.0288	0.0349	0.0654	0.0627		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					33.4650	34.1042	31.2717	28.4268
10 mph	0.0472	0.2664	0.1259	0.0520	0.4036	0.4243	5.3038	11.1964
15 mph	0.0326	0.2404	0.0844	0.0354	0.3149	0.3370	3.7135	7.5455
20 mph	0.0225	0.2229	0.0558	0.0241	0.2838	0.3042	2.9454	5.3408
25 mph	0.0178	0.2143	0.0425	0.0189	0.2648	0.2855	2.2967	4.3967
30 mph	0.0154	0.2088	0.0356	0.0163	0.2693	0.2893	1.7169	3.2897
35 mph	0.0138	0.2019	0.0309	0.0147	0.2850	0.3026	1.2533	2.4518
40 mph	0.0127	0.2042	0.0276	0.0135	0.2976	0.3143	0.9063	1.7819
45 mph	0.0120	0.2100	0.0250	0.0126	0.3088	0.3255	0.6764	1.3382
50 mph	0.0114	0.2118	0.0231	0.0120	0.3247	0.3420	0.5660	1.0938
55 mph	0.0110	0.2209	0.0216	0.0115	0.3208	0.3410	0.5737	1.1144
60 mph	0.0109	0.2302	0.0210	0.0113	0.3277	0.3472	0.6991	1.3415
65 mph	0.0110	0.2238	0.0211	0.0116	0.3651	0.3853		
70 mph	0.0118	0.1617	0.0216	0.0135	0.7353	0.7159		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								30.1738
10 mph								1.9974
15 mph								1.4566
20 mph								1.1110
25 mph								0.9154
30 mph								0.7986
35 mph								0.7174
40 mph								0.6582
45 mph								0.6143
50 mph								0.5818
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.5046	0.0635	0.2960	0.1125	0.0843	0.0264	0.0896	0.0208	1.1977
15 mph	0.1772	0.0221	0.1035	0.0391	0.0294	0.0092	0.0264	0.0061	0.4130
20 mph	0.3184	0.0394	0.1849	0.0699	0.0535	0.0166	0.0475	0.0110	0.7412
25 mph	1.4501	0.1783	0.8355	0.3165	0.2439	0.0756	0.2380	0.0554	3.3932
30 mph	1.4792	0.1811	0.8459	0.3216	0.2508	0.0776	0.1998	0.0468	3.4028
35 mph	1.1399	0.1393	0.6467	0.2473	0.1953	0.0602	0.0844	0.0198	2.5328
40 mph	0.3629	0.0444	0.2056	0.0788	0.0625	0.0192	0.0896	0.0211	0.8841
45 mph	0.2929	0.0359	0.1663	0.0637	0.0508	0.0155	0.0693	0.0164	0.7107
50 mph	0.2895	0.0358	0.1644	0.0633	0.0505	0.0153	0.1112	0.0263	0.7562
55 mph	0.2344	0.0293	0.1343	0.0517	0.0410	0.0124	0.0259	0.0061	0.5351
60 mph	0.4876	0.0616	0.2818	0.1084	0.0848	0.0258	0.0268	0.0063	1.0832
65 mph	0.0638	0.0081	0.0369	0.0143	0.0112	0.0034	-	-	0.1376
70 mph	-	-	-	-	-	-	-	-	-
total	6.8005	0.8386	3.9016	1.4871	1.1580	0.3571	1.0085	0.2362	15.7877

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0417	0.0052	0.0245	0.0194	0.0181	0.0057	-	-	0.1146
15 mph	0.0366	0.0046	0.0214	0.0169	0.0158	0.0049	-	-	0.1002
20 mph	0.0329	0.0041	0.0191	0.0151	0.0143	0.0045	0.0857	0.0199	0.1955
25 mph	0.0600	0.0074	0.0345	0.0273	0.0261	0.0081	0.1365	0.0318	0.3318
30 mph	0.1112	0.0136	0.0636	0.0505	0.0489	0.0151	0.2162	0.0506	0.5697
35 mph	0.2357	0.0288	0.1337	0.1068	0.1047	0.0323	0.2028	0.0477	0.8924
40 mph	0.2501	0.0306	0.1417	0.1134	0.1117	0.0343	0.1776	0.0418	0.9013
45 mph	0.1938	0.0238	0.1100	0.0881	0.0871	0.0266	0.1250	0.0295	0.6838
50 mph	0.2155	0.0266	0.1224	0.0983	0.0974	0.0296	0.0617	0.0146	0.6661
55 mph	0.1212	0.0151	0.0694	0.0558	0.0550	0.0166	0.0312	0.0074	0.3716
60 mph	0.0756	0.0095	0.0437	0.0351	0.0341	0.0104	2.2549	0.5320	2.9954
65 mph	0.0264	0.0034	0.0152	0.0124	0.0120	0.0036	-	-	0.0729
70 mph	1.2745	0.1689	0.7055	0.6027	0.6146	0.1715	-	-	3.5378
total	2.6753	0.3416	1.5048	1.2418	1.2398	0.3631	3.2915	0.7753	11.4332

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1328	0.0392	0.1292	0.0175	0.3187
15 mph	0.2953	0.0368	0.1725	0.0566	0.0448	0.0140	0.0422	0.0098	0.6720
25 mph	-	-	-	-	0.0706	0.0219	0.1513	0.0352	0.2790
35 mph	0.9081	0.1110	0.5152	0.1573	-	-	-	-	1.6915
total	1.2034	0.1478	0.6877	0.2139	0.2481	0.0751	0.3228	0.0625	2.9612

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1328	0.0392	0.1292	0.0175	0.3187
10 mph	0.5463	0.0687	0.3205	0.1319	0.1024	0.0320	0.0896	0.0208	1.3123
15 mph	0.5091	0.0634	0.2973	0.1127	0.0900	0.0281	0.0686	0.0159	1.1851
20 mph	0.3513	0.0435	0.2040	0.0850	0.0678	0.0211	0.1332	0.0309	0.9368
25 mph	1.5101	0.1856	0.8700	0.3439	0.3406	0.1056	0.5258	0.1224	4.0039
30 mph	1.5905	0.1947	0.9095	0.3721	0.2997	0.0927	0.4160	0.0974	3.9725
35 mph	2.2837	0.2790	1.2956	0.5113	0.3000	0.0924	0.2871	0.0675	5.1167
40 mph	0.6131	0.0750	0.3473	0.1921	0.1743	0.0535	0.2672	0.0629	1.7854
45 mph	0.4866	0.0597	0.2762	0.1518	0.1379	0.0421	0.1943	0.0459	1.3945
50 mph	0.5050	0.0624	0.2867	0.1616	0.1479	0.0449	0.1729	0.0409	1.4223
55 mph	0.3556	0.0444	0.2036	0.1075	0.0960	0.0290	0.0571	0.0135	0.9067
60 mph	0.5632	0.0711	0.3255	0.1436	0.1190	0.0361	2.2817	0.5384	4.0786
65 mph	0.0901	0.0115	0.0521	0.0267	0.0231	0.0070	-	-	0.2105
70 mph	1.2745	0.1689	0.7055	0.6027	0.6146	0.1715	-	-	3.5378
total	10.6792	1.3279	6.0941	2.9428	2.6460	0.7953	4.6228	1.0740	30.1820

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0095	0.0001	0.0078	0.0038	0.3977	0.2776	15.4919	59.4903	75.6786
15 mph	0.0026	0.0000	0.0021	0.0010	0.1241	0.0882	3.6156	13.3639	17.1975
20 mph	0.0036	0.0000	0.0028	0.0014	0.2237	0.1593	5.7354	18.9185	25.0447
25 mph	0.0143	0.0002	0.0106	0.0055	1.0436	0.7473	24.5978	85.6580	112.0773
30 mph	0.0136	0.0002	0.0097	0.0052	1.1674	0.8328	16.7163	58.2651	77.0104
35 mph	0.0100	0.0001	0.0069	0.0038	1.0110	0.7128	5.4913	19.5408	26.7767
40 mph	0.0031	0.0000	0.0021	0.0012	0.3519	0.2468	4.4119	15.7797	20.7966
45 mph	0.0024	0.0000	0.0016	0.0009	0.3043	0.2130	2.6342	9.4801	12.6365
50 mph	0.0023	0.0000	0.0014	0.0009	0.3200	0.2238	3.5818	12.5919	16.7221
55 mph	0.0018	0.0000	0.0011	0.0007	0.2529	0.1785	0.8378	2.9605	4.2333
60 mph	0.0035	0.0001	0.0021	0.0013	0.5166	0.3636	1.0210	3.5639	5.4721
65 mph	0.0004	0.0000	0.0003	0.0002	0.0720	0.0504	-	-	0.1233
70 mph	-	-	-	-	-	-	-	-	-
total	0.0671	0.0008	0.0483	0.0257	5.7853	4.0941	84.1351	299.6127	393.7691

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0008	0.0000	0.0006	0.0006	0.0853	0.0595	-	-	0.1469
15 mph	0.0005	0.0000	0.0004	0.0004	0.0665	0.0473	-	-	0.1153
20 mph	0.0004	0.0000	0.0003	0.0003	0.0600	0.0427	10.3396	34.1054	44.5486
25 mph	0.0006	0.0000	0.0004	0.0005	0.1119	0.0801	14.1094	49.1337	63.4366
30 mph	0.0010	0.0000	0.0007	0.0008	0.2276	0.1624	18.0812	63.0226	81.4963
35 mph	0.0021	0.0000	0.0014	0.0017	0.5420	0.3821	13.1993	46.9697	61.0982
40 mph	0.0021	0.0000	0.0014	0.0017	0.6288	0.4410	8.7489	31.2916	41.1156
45 mph	0.0016	0.0000	0.0010	0.0013	0.5221	0.3654	4.7488	17.0902	22.7305
50 mph	0.0017	0.0000	0.0011	0.0013	0.6175	0.4319	1.9868	6.9846	10.0250
55 mph	0.0009	0.0000	0.0006	0.0007	0.3390	0.2393	1.0070	3.5581	5.1454
60 mph	0.0005	0.0000	0.0003	0.0004	0.2077	0.1462	85.8937	299.8248	386.0737
65 mph	0.0002	0.0000	0.0001	0.0001	0.0772	0.0541	-	-	0.1317
70 mph	0.0090	0.0001	0.0051	0.0078	7.1469	4.6209	-	-	11.7898
total	0.0214	0.0003	0.0136	0.0177	10.6324	7.0728	158.1147	551.9807	727.8535

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	4.0031	2.7091	9.9807	16.5041	33.1971
15 mph	0.0044	0.0000	0.0035	0.0015	0.1891	0.1344	5.7776	21.3550	27.4655
25 mph	-	-	-	-	0.3020	0.2163	15.6367	54.4523	70.6072
35 mph	0.0079	0.0001	0.0055	0.0024	-	-	-	-	0.0160
total	0.0123	0.0001	0.0090	0.0039	4.4942	3.0597	31.3950	92.3114	131.2857

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	4.0031	2.7091	9.9807	16.5041	33.1971
10 mph	0.0103	0.0001	0.0085	0.0044	0.4830	0.3372	15.4919	59.4903	75.8255
15 mph	0.0075	0.0001	0.0060	0.0029	0.3798	0.2699	9.3932	34.7188	44.7783
20 mph	0.0040	0.0000	0.0031	0.0017	0.2837	0.2020	16.0751	53.0238	69.5933
25 mph	0.0149	0.0002	0.0110	0.0059	1.4575	1.0437	54.3439	189.2440	246.1211
30 mph	0.0146	0.0002	0.0104	0.0060	1.3950	0.9952	34.7976	121.2877	158.5067
35 mph	0.0200	0.0003	0.0138	0.0079	1.5529	1.0949	18.6906	66.5105	87.8908
40 mph	0.0052	0.0001	0.0035	0.0029	0.9807	0.6878	13.1607	47.0714	61.9122
45 mph	0.0040	0.0001	0.0026	0.0022	0.8264	0.5784	7.3830	26.5703	35.3670
50 mph	0.0040	0.0001	0.0025	0.0022	0.9375	0.6557	5.5687	19.5765	26.7472
55 mph	0.0027	0.0001	0.0016	0.0014	0.5919	0.4178	1.8448	6.5186	9.3788
60 mph	0.0040	0.0001	0.0024	0.0017	0.7244	0.5097	86.9147	303.3887	391.5457
65 mph	0.0006	0.0000	0.0004	0.0003	0.1491	0.1045	-	-	0.2549
70 mph	0.0090	0.0001	0.0051	0.0078	7.1469	4.6209	-	-	11.7898
total	0.1008	0.0013	0.0709	0.0473	20.9119	14.2266	273.6448	943.9047	1,252.9083

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.7401	0.7401
15 mph								0.1799	0.1799
20 mph								0.2744	0.2744
25 mph								1.2436	1.2436
30 mph								0.9864	0.9864
35 mph								0.3987	0.3987
40 mph								0.4065	0.4065
45 mph								0.3035	0.3035
50 mph								0.4671	0.4671
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.0001	5.0001

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.4947	0.4947
25 mph								0.7133	0.7133
30 mph								1.0669	1.0669
35 mph								0.9584	0.9584
40 mph								0.8060	0.8060
45 mph								0.5471	0.5471
50 mph								0.2591	0.2591
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.2333	3.2333

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.2216	1.2216
15 mph								0.2875	0.2875
25 mph								0.7906	0.7906
35 mph								-	-
total	-	-	-	-	-	-	-	2.2997	2.2997

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.2216	1.2216
10 mph								0.7401	0.7401
15 mph								0.4674	0.4674
20 mph								0.7692	0.7692
25 mph								2.7475	2.7475
30 mph								2.0532	2.0532
35 mph								1.3571	1.3571
40 mph								1.2125	1.2125
45 mph								0.8506	0.8506
50 mph								0.7262	0.7262
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	12.1453	12.1453

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	4.1359	2.7483	10.1100	17.7433	34.7374
10 mph	0.5566	0.0688	0.3290	0.1363	0.5854	0.3692	15.5814	60.2513	77.8779
15 mph	0.5166	0.0635	0.3034	0.1156	0.4698	0.2980	9.4618	35.2021	46.4308
20 mph	0.3553	0.0435	0.2071	0.0867	0.3515	0.2231	16.2082	53.8239	71.2993
25 mph	1.5250	0.1858	0.8810	0.3498	1.7981	1.1493	54.8696	192.1139	252.8725
30 mph	1.6051	0.1949	0.9199	0.3781	1.6948	1.0879	35.2136	123.4383	164.5325
35 mph	2.3037	0.2793	1.3094	0.5192	1.8529	1.1873	18.9777	67.9351	94.3646
40 mph	0.6183	0.0750	0.3508	0.1950	1.1550	0.7413	13.4279	48.3467	64.9101
45 mph	0.4906	0.0598	0.2788	0.1540	0.9643	0.6206	7.5773	27.4667	37.6121
50 mph	0.5090	0.0624	0.2892	0.1638	1.0854	0.7005	5.7416	20.3436	28.8956
55 mph	0.3583	0.0444	0.2053	0.1089	0.6878	0.4468	1.9019	6.5321	10.2855
60 mph	0.5673	0.0712	0.3280	0.1453	0.8433	0.5459	89.1964	303.9270	395.6243
65 mph	0.0907	0.0115	0.0525	0.0270	0.1723	0.1115	-	-	0.4655
70 mph	1.2835	0.1690	0.7106	0.6105	7.7615	4.7924	-	-	15.3276
STREX	1.1295	0.1013	0.5089	0.8435	0.5691	0.1719	11.0339	22.2872	36.6452
total	11.9094	1.4306	6.6738	3.8337	24.1271	15.1938	289.3014	979.4112	**1,331.8809**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1193	0.1402	0.1430	0.1596	0.3381	0.3506	0.3238	0.0407
Diesel	-	-	-	-	-	-	2.1591	2.4578
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.1295	0.1013	0.5089	0.8435	0.5691	0.1719	0.2710	0.0003
Diesel	-	-	-	-	-	-	10.7628	22.2869
Electric/NG	-	-	-	-	-	-	-	-
Total	1.1295	0.1013	0.5089	0.8435	0.5691	0.1719	11.0339	22.2872

World Logistics Center
Mobile Emissions - 2034 (Net) - Unmitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					154.9910	155.1146	387.9369	272.3349
10 mph	0.7116	0.9051	0.9120	0.9421	0.3478	0.2801	0.5074	49.5460
15 mph	0.6486	0.8204	0.8300	0.8558	0.3045	0.2519	0.4638	45.2094
20 mph	0.5940	0.7486	0.7588	0.7825	0.2747	0.2291	0.4245	41.3475
25 mph	0.5450	0.6843	0.6945	0.7165	0.2474	0.2084	0.3878	37.9260
30 mph	0.5016	0.6279	0.6375	0.6587	0.2257	0.1906	0.3544	34.8691
35 mph	0.4633	0.5788	0.5871	0.6079	0.2084	0.1756	0.3253	32.1665
40 mph	0.4296	0.5367	0.5442	0.5637	0.1943	0.1630	0.3019	29.8167
45 mph	0.4008	0.5010	0.5076	0.5258	0.1826	0.1520	0.2799	27.7101
50 mph	0.3736	0.4681	0.4730	0.4906	0.1731	0.1420	0.2607	25.8058
55 mph	0.3475	0.4363	0.4402	0.4569	0.1661	0.1338	0.2443	24.0700
60 mph	0.3179	0.4010	0.4036	0.4191	0.1605	0.1264	0.2289	22.4536
65 mph	0.2946	0.3738	0.3742	0.3894	0.1604	0.1214		
70 mph	0.2889	0.3762	0.3624	0.3836	0.1618	0.1115		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	21.0157	34.8332
10 mph	2.0544	2.1321	1.9853	2.2881	2.4705	2.4988	0.4920	1.3254
15 mph	1.0030	1.1331	0.9693	1.1176	1.2256	1.2406	0.2665	0.7207
20 mph	0.3919	0.5441	0.3773	0.4357	0.5051	0.5127	0.1781	0.4497
25 mph	0.2363	0.3700	0.2266	0.2625	0.3147	0.3201	0.1361	0.3555
30 mph	0.1790	0.2947	0.1712	0.1989	0.2443	0.2485	0.1045	0.2730
35 mph	0.1429	0.2464	0.1362	0.1588	0.2016	0.2048	0.0788	0.2054
40 mph	0.1182	0.2198	0.1124	0.1312	0.1731	0.1758	0.0591	0.1547
45 mph	0.1004	0.2068	0.0952	0.1114	0.1541	0.1566	0.0454	0.1192
50 mph	0.0874	0.2021	0.0824	0.0968	0.1430	0.1454	0.0377	0.0986
55 mph	0.0773	0.2114	0.0725	0.0854	0.1348	0.1376	0.0359	0.0952
60 mph	0.0735	0.2367	0.0685	0.0809	0.1385	0.1414	0.0401	0.1055
65 mph	0.0743	0.2705	0.0687	0.0818	0.1590	0.1623		
70 mph	0.0768	0.2466	0.0690	0.0852	0.2636	0.2575		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								34.2159
10 mph								35.9638
15 mph								25.3254
20 mph								18.3190
25 mph								13.4263
30 mph								9.8962
35 mph								7.2948
40 mph								5.3778
45 mph								3.9652
50 mph								2.9244
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	12.1873	1.1840	5.8754	2.0470	0.3314	0.0777	0.2489	0.2190	22.1706
15 mph	4.4435	0.4293	2.1389	0.7438	0.1160	0.0280	0.0758	0.0666	8.0420
20 mph	8.1395	0.7834	3.9107	1.3601	0.2093	0.0509	0.1388	0.1219	14.7145
25 mph	37.3362	3.5805	17.8955	6.2271	0.9429	0.2313	0.6975	0.6147	67.5259
30 mph	37.8037	3.6144	18.0706	6.2968	0.9461	0.2327	0.5794	0.5138	68.0574
35 mph	28.5694	2.7257	13.6157	4.7545	0.7148	0.1754	0.2393	0.2133	51.0081
40 mph	8.8293	0.8426	4.2071	1.4696	0.2221	0.0543	0.2468	0.2197	16.0915
45 mph	6.8642	0.6553	3.2701	1.1425	0.1739	0.0422	0.1830	0.1633	12.4947
50 mph	6.3990	0.6124	3.0470	1.0658	0.1649	0.0394	0.2771	0.2472	11.8527
55 mph	4.7610	0.4566	2.2685	0.7942	0.1266	0.0297	0.0599	0.0532	8.5498
60 mph	8.7119	0.8393	4.1605	1.4569	0.2447	0.0561	0.0561	0.0496	15.5752
65 mph	1.0090	0.0978	0.4822	0.1692	0.0306	0.0067	-	-	1.7955
70 mph	-	-	-	-	-	-	-	-	-
total	165.0541	15.8214	78.9422	27.5274	4.2233	1.0243	2.8028	2.4823	297.8777

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	1.0080	0.0979	0.4859	0.3536	0.0711	0.0167	-	-	2.0331
15 mph	0.9188	0.0888	0.4423	0.3212	0.0622	0.0150	-	-	1.8482
20 mph	0.8415	0.0810	0.4043	0.2937	0.0561	0.0136	0.2503	0.2197	2.1601
25 mph	1.5440	0.1481	0.7400	0.5378	0.1011	0.0248	0.4001	0.3526	3.8485
30 mph	2.8423	0.2718	1.3587	0.9888	0.1844	0.0454	0.6267	0.5558	6.8738
35 mph	5.9071	0.5636	2.8152	2.0531	0.3832	0.0940	0.5753	0.5127	12.9042
40 mph	6.0853	0.5807	2.8996	2.1154	0.3969	0.0970	0.4894	0.4356	13.0999
45 mph	4.5417	0.4336	2.1637	1.5787	0.2984	0.0723	0.3300	0.2944	9.7128
50 mph	4.7631	0.4558	2.2680	1.6569	0.3182	0.0760	0.1537	0.1371	9.8289
55 mph	2.4610	0.2360	1.1726	0.8574	0.1697	0.0398	0.0720	0.0639	5.0725
60 mph	1.3510	0.1302	0.6452	0.4718	0.0984	0.0226	4.7227	4.1752	11.6171
65 mph	0.4172	0.0404	0.1994	0.1461	0.0328	0.0072	-	-	0.8432
70 mph	18.8252	1.8721	8.8816	6.6227	1.5207	0.3051	-	-	38.0273
total	51.5061	4.9999	24.4764	17.9972	3.6931	0.8295	7.6202	6.7471	117.8695

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	17.9250	5.2240	20.7914	0.1764	44.1168
15 mph	7.4049	0.7154	3.5644	1.0768	0.1768	0.0426	0.1212	0.1065	13.2085
25 mph	-	-	-	-	0.2729	0.0669	0.4434	0.3908	1.1740
35 mph	22.7606	2.1715	10.8473	3.0239	-	-	-	-	38.8034
total	30.1655	2.8869	14.4117	4.1007	18.3746	5.3335	21.3560	0.6737	97.3027

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	17.9250	5.2240	20.7914	0.1764	44.1168
10 mph	13.1952	1.2820	6.3613	2.4005	0.4024	0.0944	0.2489	0.2190	24.2037
15 mph	12.7671	1.2335	6.1456	2.1418	0.3551	0.0855	0.1970	0.1731	23.0987
20 mph	8.9810	0.8644	4.3150	1.6537	0.2655	0.0645	0.3891	0.3415	16.8746
25 mph	38.8802	3.7286	18.6356	6.7650	1.3168	0.3230	1.5410	1.3581	72.5483
30 mph	40.6460	3.8861	19.4293	7.2855	1.1305	0.2781	1.2061	1.0696	74.9312
35 mph	57.2371	5.4608	27.2783	9.8315	1.0979	0.2694	0.8147	0.7260	102.7157
40 mph	14.9146	1.4233	7.1067	3.5849	0.6190	0.1513	0.7362	0.6553	29.1913
45 mph	11.4059	1.0889	5.4338	2.7212	0.4724	0.1145	0.5130	0.4578	22.2075
50 mph	11.1621	1.0682	5.3150	2.7227	0.4831	0.1154	0.4308	0.3843	21.6816
55 mph	7.2221	0.6927	3.4411	1.6517	0.2963	0.0695	0.1319	0.1171	13.6223
60 mph	10.0629	0.9695	4.8057	1.9287	0.3431	0.0787	4.7789	4.2249	27.1923
65 mph	1.4262	0.1382	0.6816	0.3154	0.0633	0.0140	-	-	2.6387
70 mph	18.8252	1.8721	8.8816	6.6227	1.5207	0.3051	-	-	38.0273
total	246.7256	23.7082	117.8304	49.6253	26.2909	7.1874	31.7789	9.9031	513.0499

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.4125	0.0004	0.1233	0.1653	2.4345	1.6351	1.4371	7.0424	13.2506
15 mph	0.0806	0.0001	0.0241	0.0323	0.4831	0.3247	0.2595	1.2764	2.4808
20 mph	0.0630	0.0001	0.0187	0.0252	0.3982	0.2684	0.3469	1.5930	2.7134
25 mph	0.1898	0.0003	0.0563	0.0758	1.2406	0.8378	1.4581	6.9261	10.7848
30 mph	0.1582	0.0003	0.0468	0.0632	1.0594	0.7156	1.0175	4.8360	7.8969
35 mph	0.1033	0.0002	0.0304	0.0413	0.7151	0.4826	0.3454	1.6370	3.3553
40 mph	0.0285	0.0001	0.0084	0.0114	0.2047	0.1381	0.2879	1.3699	2.0488
45 mph	0.0202	0.0000	0.0059	0.0080	0.1519	0.1025	0.1768	0.8442	1.3095
50 mph	0.0176	0.0000	0.0051	0.0070	0.1409	0.0952	0.2383	1.1352	1.6393
55 mph	0.0124	0.0000	0.0036	0.0049	0.1062	0.0720	0.0524	0.2528	0.5045
60 mph	0.0236	0.0001	0.0068	0.0093	0.2184	0.1480	0.0585	0.2803	0.7451
65 mph	0.0030	0.0000	0.0009	0.0012	0.0313	0.0212	-	-	0.0576
70 mph	-	-	-	-	-	-	-	-	-
total	1.1126	0.0016	0.3302	0.4449	7.1842	4.8413	5.6784	27.1933	46.7864

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0341	0.0000	0.0102	0.0285	0.5220	0.3506	-	-	0.9456
15 mph	0.0167	0.0000	0.0050	0.0139	0.2590	0.1741	-	-	0.4687
20 mph	0.0065	0.0000	0.0019	0.0054	0.1067	0.0719	0.6253	2.8719	3.6897
25 mph	0.0078	0.0000	0.0023	0.0065	0.1330	0.0898	0.8364	3.9728	5.0488
30 mph	0.0119	0.0000	0.0035	0.0099	0.2065	0.1395	1.1006	5.2308	6.7028
35 mph	0.0214	0.0000	0.0063	0.0178	0.3834	0.2587	0.8303	3.9348	5.4526
40 mph	0.0196	0.0000	0.0058	0.0164	0.3657	0.2467	0.5708	2.7166	3.9417
45 mph	0.0133	0.0000	0.0039	0.0111	0.2605	0.1758	0.3187	1.5219	2.3052
50 mph	0.0131	0.0000	0.0038	0.0109	0.2719	0.1836	0.1322	0.6297	1.2452
55 mph	0.0064	0.0000	0.0019	0.0053	0.1424	0.0965	0.0630	0.3038	0.6193
60 mph	0.0037	0.0000	0.0011	0.0030	0.0878	0.0595	4.9245	23.5810	28.6605
65 mph	0.0012	0.0000	0.0004	0.0010	0.0336	0.0228	-	-	0.0590
70 mph	0.0587	0.0002	0.0163	0.0489	2.5626	1.6623	-	-	4.3490
total	0.2144	0.0004	0.0623	0.1788	5.3351	3.5319	9.4017	44.7633	63.4880

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.1460	2.0892	6.7074	20.2236	32.1661
15 mph	0.1343	0.0001	0.0401	0.0467	0.7361	0.4948	0.4147	2.0396	3.9065
25 mph	-	-	-	-	0.3590	0.2425	0.9269	4.4029	5.9312
35 mph	0.0823	0.0001	0.0243	0.0263	-	-	-	-	0.1330
total	0.2166	0.0003	0.0644	0.0730	4.2411	2.8264	8.0490	26.6661	42.1368

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.1460	2.0892	6.7074	20.2236	32.1661
10 mph	0.4467	0.0005	0.1335	0.1938	2.9565	1.9858	1.4371	7.0424	14.1961
15 mph	0.2315	0.0003	0.0692	0.0930	1.4782	0.9936	0.6742	3.3160	6.8559
20 mph	0.0695	0.0001	0.0207	0.0306	0.5049	0.3403	0.9722	4.4649	6.4032
25 mph	0.1976	0.0003	0.0586	0.0824	1.7326	1.1701	3.2214	15.3018	21.7649
30 mph	0.1701	0.0003	0.0503	0.0731	1.2659	0.8551	2.1181	10.0668	14.5996
35 mph	0.2070	0.0004	0.0610	0.0854	1.0985	0.7413	1.1757	5.5717	8.9408
40 mph	0.0481	0.0001	0.0141	0.0277	0.5704	0.3848	0.8587	4.0866	5.9904
45 mph	0.0335	0.0001	0.0098	0.0192	0.4124	0.2783	0.4955	2.3660	3.6147
50 mph	0.0306	0.0001	0.0089	0.0179	0.4128	0.2788	0.3705	1.7650	2.8845
55 mph	0.0188	0.0001	0.0055	0.0103	0.2486	0.1685	0.1154	0.5566	1.1238
60 mph	0.0273	0.0001	0.0079	0.0124	0.3062	0.2075	4.9830	23.8613	29.4056
65 mph	0.0042	0.0000	0.0012	0.0022	0.0649	0.0440	-	-	0.1166
70 mph	0.0587	0.0002	0.0163	0.0489	2.5626	1.6623	-	-	4.3490
total	1.5435	0.0023	0.4569	0.6968	16.7605	11.1996	23.1291	98.6226	152.4113

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								13.3255	13.3255
15 mph								3.1279	3.1279
20 mph								4.5251	4.5251
25 mph								18.2409	18.2409
30 mph								12.2226	12.2226
35 mph								4.0543	4.0543
40 mph								3.3210	3.3210
45 mph								1.9589	1.9589
50 mph								2.3477	2.3477
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	63.1240	63.1240

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								8.1576	8.1576
25 mph								10.4630	10.4630
30 mph								13.2206	13.2206
35 mph								9.7453	9.7453
40 mph								6.5856	6.5856
45 mph								3.5315	3.5315
50 mph								1.3023	1.3023
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	41.5866	41.5866

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.3853	1.3853
15 mph								4.9983	4.9983
25 mph								11.5956	11.5956
35 mph								-	-
total	-	-	-	-	-	-	-	17.9792	17.9792

/Natural Gas (HHDT Only)Total Emissions Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.3853	1.3853
10 mph								13.3255	13.3255
15 mph								8.1262	8.1262
20 mph								12.6827	12.6827
25 mph								40.2995	40.2995
30 mph								25.4433	25.4433
35 mph								13.7997	13.7997
40 mph								9.9066	9.9066
45 mph								5.4904	5.4904
50 mph								3.6500	3.6500
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	134.1092	134.1092

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	21.0710	7.3132	27.4988	21.7853	77.6682
10 mph	13.6419	1.2824	6.4947	2.5943	3.3590	2.0802	1.6859	20.5869	51.7253
15 mph	12.9986	1.2338	6.2148	2.2347	1.8333	1.0792	0.8712	11.6152	38.0808
20 mph	9.0504	0.8645	4.3357	1.6843	0.7704	0.4048	1.3613	17.4891	35.9605
25 mph	39.0778	3.7289	18.6942	6.8473	3.0495	1.4932	4.7624	56.9594	134.6127
30 mph	40.8161	3.8864	19.4796	7.3587	2.3964	1.1332	3.3242	36.5796	114.9741
35 mph	57.4441	5.4612	27.3393	9.9169	2.1964	1.0106	1.9904	20.0974	125.4562
40 mph	14.9627	1.4234	7.1208	3.6127	1.1893	0.5360	1.5949	14.6485	45.0884
45 mph	11.4394	1.0890	5.4436	2.7404	0.8847	0.3928	1.0084	8.3142	31.3126
50 mph	11.1927	1.0682	5.3239	2.7406	0.8958	0.3942	0.8013	5.7993	28.2161
55 mph	7.2409	0.6927	3.4465	1.6619	0.5449	0.2380	0.2474	0.6738	14.7461
60 mph	10.0902	0.9696	4.8136	1.9411	0.6493	0.2862	9.7618	28.0861	56.5979
65 mph	1.4305	0.1383	0.6828	0.3176	0.1282	0.0580	-	-	2.7553
70 mph	18.8838	1.8723	8.8979	6.6716	4.0833	1.9674	-	-	42.3763
STREX	14.5741	1.1714	7.1306	11.0876	2.4132	0.6833	2.5659	0.0364	39.6626
total	262.8432	24.8819	125.4180	61.4098	45.4646	19.0702	57.4739	242.6713	**839.2330**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.5400	1.6205	2.0032	2.0976	1.4337	1.3940	3.0653	4.8264
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	14.5741	1.1714	7.1306	11.0876	2.4132	0.6833	2.5659	0.0364
Diesel	-	-	-	-	-	-	-	-
/NGElectric	-	-	-	-	-	-	-	-
Total	14.5741	1.1714	7.1306	11.0876	2.4132	0.6833	2.5659	0.0364

World Logistics Center
Mobile Emissions - 2034 (Net) - Unmitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0499	0.0499	0.1256	0.1910
10 mph	0.0040	0.0046	0.0046	0.0057	0.0130	0.0150	0.0266	0.0311
15 mph	0.0032	0.0038	0.0038	0.0047	0.0106	0.0122	0.0218	0.0255
20 mph	0.0027	0.0032	0.0032	0.0039	0.0088	0.0102	0.0181	0.0212
25 mph	0.0023	0.0027	0.0027	0.0033	0.0076	0.0087	0.0155	0.0182
30 mph	0.0020	0.0024	0.0024	0.0029	0.0067	0.0077	0.0138	0.0162
35 mph	0.0019	0.0022	0.0022	0.0027	0.0062	0.0072	0.0128	0.0150
40 mph	0.0018	0.0022	0.0022	0.0026	0.0060	0.0069	0.0124	0.0145
45 mph	0.0018	0.0022	0.0022	0.0027	0.0060	0.0070	0.0124	0.0145
50 mph	0.0019	0.0022	0.0022	0.0027	0.0062	0.0072	0.0128	0.0149
55 mph	0.0020	0.0023	0.0023	0.0028	0.0065	0.0075	0.0133	0.0154
60 mph	0.0020	0.0024	0.0024	0.0029	0.0067	0.0078	0.0138	0.0160
65 mph	0.0021	0.0024	0.0025	0.0030	0.0069	0.0080		
70 mph	0.0021	0.0025	0.0025	0.0031	0.0070	0.0081		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0310	0.0502	0.0520	0.0458
10 mph	0.0032	0.0066	0.0043	0.0054	0.0080	0.0090	0.0156	0.0233
15 mph	0.0027	0.0055	0.0036	0.0045	0.0052	0.0060	0.0122	0.0176
20 mph	0.0022	0.0045	0.0029	0.0038	0.0045	0.0051	0.0105	0.0151
25 mph	0.0018	0.0038	0.0025	0.0032	0.0040	0.0045	0.0091	0.0125
30 mph	0.0016	0.0032	0.0021	0.0028	0.0036	0.0041	0.0080	0.0110
35 mph	0.0014	0.0029	0.0019	0.0025	0.0036	0.0041	0.0072	0.0100
40 mph	0.0013	0.0027	0.0018	0.0023	0.0035	0.0040	0.0066	0.0091
45 mph	0.0013	0.0026	0.0017	0.0023	0.0034	0.0038	0.0062	0.0087
50 mph	0.0013	0.0026	0.0017	0.0023	0.0036	0.0040	0.0061	0.0085
55 mph	0.0014	0.0027	0.0018	0.0024	0.0038	0.0041	0.0063	0.0088
60 mph	0.0015	0.0030	0.0020	0.0026	0.0038	0.0041	0.0067	0.0093
65 mph	0.0017	0.0033	0.0022	0.0029	0.0038	0.0041		
70 mph	0.0018	0.0034	0.0024	0.0032	0.0039	0.0042		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0677	0.0061	0.0299	0.0124	0.0124	0.0042	0.0131	0.0001	0.1459
15 mph	0.0221	0.0020	0.0098	0.0041	0.0041	0.0014	0.0036	0.0000	0.0470
20 mph	0.0368	0.0033	0.0163	0.0067	0.0067	0.0023	0.0059	0.0001	0.0782
25 mph	0.1575	0.0141	0.0696	0.0288	0.0288	0.0097	0.0279	0.0003	0.3367
30 mph	0.1537	0.0138	0.0680	0.0282	0.0281	0.0094	0.0225	0.0002	0.3240
35 mph	0.1166	0.0105	0.0516	0.0214	0.0213	0.0072	0.0094	0.0001	0.2381
40 mph	0.0377	0.0034	0.0167	0.0069	0.0069	0.0023	0.0101	0.0001	0.0840
45 mph	0.0316	0.0028	0.0140	0.0058	0.0058	0.0019	0.0081	0.0001	0.0700
50 mph	0.0325	0.0029	0.0144	0.0060	0.0059	0.0020	0.0136	0.0001	0.0774
55 mph	0.0270	0.0024	0.0119	0.0050	0.0049	0.0017	0.0033	0.0000	0.0562
60 mph	0.0556	0.0050	0.0246	0.0102	0.0103	0.0034	0.0034	0.0000	0.1126
65 mph	0.0071	0.0006	0.0032	0.0013	0.0013	0.0004	-	-	0.0140
70 mph	-	-	-	-	-	-	-	-	-
total	0.7460	0.0670	0.3299	0.1367	0.1365	0.0458	0.1207	0.0013	1.5839

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0056	0.0005	0.0025	0.0021	0.0027	0.0009	-	-	0.0143
15 mph	0.0046	0.0004	0.0020	0.0017	0.0022	0.0007	-	-	0.0117
20 mph	0.0038	0.0003	0.0017	0.0015	0.0018	0.0006	0.0107	0.0001	0.0205
25 mph	0.0065	0.0006	0.0029	0.0025	0.0031	0.0010	0.0160	0.0002	0.0327
30 mph	0.0116	0.0010	0.0051	0.0044	0.0055	0.0018	0.0243	0.0003	0.0540
35 mph	0.0241	0.0022	0.0107	0.0092	0.0114	0.0038	0.0226	0.0002	0.0843
40 mph	0.0260	0.0023	0.0115	0.0099	0.0123	0.0041	0.0200	0.0002	0.0864
45 mph	0.0209	0.0019	0.0092	0.0080	0.0099	0.0033	0.0146	0.0002	0.0680
50 mph	0.0242	0.0022	0.0107	0.0093	0.0114	0.0038	0.0075	0.0001	0.0692
55 mph	0.0140	0.0013	0.0062	0.0053	0.0066	0.0022	0.0039	0.0000	0.0395
60 mph	0.0086	0.0008	0.0038	0.0033	0.0041	0.0014	0.2847	0.0030	0.3097
65 mph	0.0029	0.0003	0.0013	0.0011	0.0014	0.0005	-	-	0.0075
70 mph	0.1374	0.0123	0.0608	0.0532	0.0660	0.0221	-	-	0.3519
total	0.2902	0.0261	0.1283	0.1117	0.1384	0.0464	0.4044	0.0042	1.1497

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0058	0.0017	0.0067	0.0001	0.0143
15 mph	0.0369	0.0033	0.0163	0.0059	0.0062	0.0021	0.0057	0.0001	0.0764
25 mph	-	-	-	-	0.0083	0.0028	0.0177	0.0002	0.0290
35 mph	0.0929	0.0083	0.0411	0.0136	-	-	-	-	0.1560
total	0.1298	0.0117	0.0574	0.0195	0.0203	0.0065	0.0301	0.0004	0.2757

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0058	0.0017	0.0067	0.0001	0.0143
10 mph	0.0733	0.0066	0.0324	0.0145	0.0151	0.0051	0.0131	0.0001	0.1602
15 mph	0.0636	0.0057	0.0281	0.0117	0.0124	0.0042	0.0093	0.0001	0.1351
20 mph	0.0406	0.0036	0.0180	0.0082	0.0085	0.0029	0.0166	0.0002	0.0986
25 mph	0.1640	0.0147	0.0725	0.0313	0.0402	0.0135	0.0616	0.0007	0.3984
30 mph	0.1653	0.0148	0.0731	0.0326	0.0336	0.0113	0.0468	0.0005	0.3780
35 mph	0.2337	0.0210	0.1034	0.0442	0.0328	0.0110	0.0320	0.0003	0.4783
40 mph	0.0636	0.0057	0.0281	0.0168	0.0192	0.0064	0.0301	0.0003	0.1704
45 mph	0.0525	0.0047	0.0232	0.0138	0.0156	0.0052	0.0227	0.0002	0.1380
50 mph	0.0567	0.0051	0.0251	0.0152	0.0174	0.0058	0.0211	0.0002	0.1466
55 mph	0.0410	0.0037	0.0181	0.0103	0.0115	0.0039	0.0072	0.0001	0.0957
60 mph	0.0642	0.0058	0.0284	0.0135	0.0144	0.0048	0.2881	0.0030	0.4223
65 mph	0.0101	0.0009	0.0045	0.0024	0.0027	0.0009	-	-	0.0216
70 mph	0.1374	0.0123	0.0608	0.0532	0.0660	0.0221	-	-	0.3519
total	1.1660	0.1047	0.5157	0.2678	0.2952	0.0987	0.5552	0.0059	3.0093

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0003	0.0004	0.0079	0.0059	0.0455	0.1239	0.1845
15 mph	0.0002	0.0000	0.0001	0.0001	0.0021	0.0016	0.0119	0.0312	0.0472
20 mph	0.0003	0.0000	0.0001	0.0002	0.0035	0.0027	0.0204	0.0533	0.0806
25 mph	0.0015	0.0000	0.0006	0.0009	0.0156	0.0119	0.0977	0.2445	0.3727
30 mph	0.0014	0.0000	0.0006	0.0009	0.0156	0.0118	0.0780	0.1951	0.3034
35 mph	0.0010	0.0000	0.0004	0.0007	0.0128	0.0097	0.0314	0.0794	0.1354
40 mph	0.0003	0.0000	0.0001	0.0002	0.0042	0.0031	0.0319	0.0808	0.1207
45 mph	0.0003	0.0000	0.0001	0.0002	0.0034	0.0025	0.0242	0.0613	0.0919
50 mph	0.0003	0.0000	0.0001	0.0002	0.0035	0.0026	0.0389	0.0973	0.1429
55 mph	0.0002	0.0000	0.0001	0.0001	0.0030	0.0021	0.0092	0.0233	0.0381
60 mph	0.0005	0.0000	0.0002	0.0003	0.0060	0.0043	0.0099	0.0247	0.0458
65 mph	0.0001	0.0000	0.0000	0.0000	0.0008	0.0005	-	-	0.0014
70 mph	-	-	-	-	-	-	-	-	-
total	0.0067	0.0000	0.0028	0.0042	0.0783	0.0587	0.3990	1.0148	1.5645

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0001	0.0017	0.0013	-	-	0.0031
15 mph	0.0000	0.0000	0.0000	0.0001	0.0011	0.0008	-	-	0.0021
20 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0007	0.0367	0.0961	0.1346
25 mph	0.0001	0.0000	0.0000	0.0001	0.0017	0.0013	0.0561	0.1402	0.1994
30 mph	0.0001	0.0000	0.0000	0.0001	0.0030	0.0023	0.0844	0.2110	0.3011
35 mph	0.0002	0.0000	0.0001	0.0003	0.0069	0.0052	0.0754	0.1909	0.2789
40 mph	0.0002	0.0000	0.0001	0.0003	0.0074	0.0056	0.0634	0.1602	0.2372
45 mph	0.0002	0.0000	0.0001	0.0002	0.0058	0.0043	0.0437	0.1105	0.1647
50 mph	0.0002	0.0000	0.0001	0.0003	0.0068	0.0050	0.0216	0.0540	0.0879
55 mph	0.0001	0.0000	0.0000	0.0001	0.0040	0.0029	0.0111	0.0280	0.0462
60 mph	0.0001	0.0000	0.0000	0.0001	0.0024	0.0017	0.8292	2.0789	2.9124
65 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	-	-	0.0015
70 mph	0.0014	0.0000	0.0006	0.0018	0.0378	0.0270	-	-	0.0686
total	0.0027	0.0000	0.0011	0.0035	0.0804	0.0586	1.2214	3.0699	4.4376

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0037	0.0040	0.0166	0.0266	0.0509
15 mph	0.0004	0.0000	0.0001	0.0002	0.0031	0.0024	0.0190	0.0499	0.0751
25 mph	-	-	-	-	0.0045	0.0034	0.0621	0.1554	0.2255
35 mph	0.0008	0.0000	0.0003	0.0004	-	-	-	-	0.0016
total	0.0012	0.0000	0.0005	0.0006	0.0114	0.0098	0.0978	0.2319	0.3531

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0037	0.0040	0.0166	0.0266	0.0509
10 mph	0.0007	0.0000	0.0003	0.0005	0.0096	0.0072	0.0455	0.1239	0.1876
15 mph	0.0006	0.0000	0.0003	0.0004	0.0063	0.0048	0.0310	0.0811	0.1244
20 mph	0.0004	0.0000	0.0002	0.0003	0.0045	0.0034	0.0571	0.1495	0.2152
25 mph	0.0015	0.0000	0.0006	0.0010	0.0218	0.0166	0.2159	0.5401	0.7976
30 mph	0.0015	0.0000	0.0006	0.0010	0.0187	0.0141	0.1624	0.4061	0.6045
35 mph	0.0021	0.0000	0.0009	0.0013	0.0197	0.0149	0.1068	0.2703	0.4159
40 mph	0.0005	0.0000	0.0002	0.0005	0.0116	0.0087	0.0953	0.2410	0.3578
45 mph	0.0004	0.0000	0.0002	0.0004	0.0092	0.0068	0.0679	0.1718	0.2567
50 mph	0.0005	0.0000	0.0002	0.0004	0.0104	0.0076	0.0604	0.1513	0.2308
55 mph	0.0003	0.0000	0.0001	0.0003	0.0069	0.0050	0.0203	0.0513	0.0843
60 mph	0.0005	0.0000	0.0002	0.0004	0.0084	0.0060	0.8390	2.1036	2.9582
65 mph	0.0001	0.0000	0.0000	0.0001	0.0016	0.0011	-	-	0.0029
70 mph	0.0014	0.0000	0.0006	0.0018	0.0378	0.0270	-	-	0.0686
total	0.0106	0.0000	0.0044	0.0083	0.1701	0.1271	1.7182	4.3166	6.3552

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
15 mph								-	-
25 mph								-	-
35 mph								-	-
total	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0095	0.0057	0.0233	0.0267	0.0652
10 mph	0.0740	0.0066	0.0327	0.0150	0.0247	0.0122	0.0585	0.1240	0.3477
15 mph	0.0642	0.0057	0.0284	0.0120	0.0187	0.0089	0.0402	0.0812	0.2595
20 mph	0.0410	0.0037	0.0181	0.0085	0.0130	0.0063	0.0737	0.1496	0.3138
25 mph	0.1655	0.0147	0.0731	0.0323	0.0620	0.0301	0.2775	0.5407	1.1960
30 mph	0.1668	0.0148	0.0737	0.0336	0.0523	0.0254	0.2093	0.4066	0.9825
35 mph	0.2358	0.0210	0.1042	0.0456	0.0524	0.0259	0.1387	0.2706	0.8942
40 mph	0.0642	0.0057	0.0284	0.0173	0.0308	0.0151	0.1254	0.2413	0.5282
45 mph	0.0529	0.0047	0.0234	0.0142	0.0248	0.0120	0.0906	0.1721	0.3946
50 mph	0.0572	0.0051	0.0252	0.0156	0.0277	0.0134	0.0815	0.1516	0.3773
55 mph	0.0413	0.0037	0.0182	0.0106	0.0185	0.0089	0.0275	0.0514	0.1800
60 mph	0.0648	0.0058	0.0287	0.0139	0.0228	0.0109	1.1271	2.1066	3.3805
65 mph	0.0102	0.0009	0.0045	0.0025	0.0043	0.0020	-	-	0.0244
70 mph	0.1388	0.0124	0.0614	0.0550	0.1038	0.0491	-	-	0.4205
STREX	0.0040	0.0004	0.0018	0.0033	0.0003	0.0001	0.0003	0.0000	0.0100
total	1.1805	0.1051	0.5219	0.2794	0.4656	0.2259	2.2737	4.3224	**9.3745**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0004	0.0005	0.0005	0.0006	0.0002	0.0002	0.0003	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0040	0.0004	0.0018	0.0033	0.0003	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0040	0.0004	0.0018	0.0033	0.0003	0.0001	0.0003	0.0000

World Logistics Center
Mobile Emissions - 2034 (Net) - Unmitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0384	0.0370	0.0374	0.0386
10 mph	0.0033	0.0040	0.0036	0.0037	0.0048	0.0047	0.0047	0.0049
15 mph	0.0022	0.0026	0.0024	0.0024	0.0032	0.0031	0.0031	0.0032
20 mph	0.0016	0.0019	0.0017	0.0017	0.0023	0.0022	0.0022	0.0023
25 mph	0.0011	0.0014	0.0012	0.0013	0.0017	0.0016	0.0016	0.0017
30 mph	0.0009	0.0011	0.0010	0.0010	0.0013	0.0012	0.0013	0.0013
35 mph	0.0007	0.0009	0.0008	0.0008	0.0011	0.0010	0.0010	0.0011
40 mph	0.0006	0.0008	0.0007	0.0007	0.0009	0.0009	0.0009	0.0009
45 mph	0.0006	0.0007	0.0006	0.0006	0.0008	0.0008	0.0008	0.0009
50 mph	0.0006	0.0007	0.0006	0.0006	0.0008	0.0008	0.0008	0.0008
55 mph	0.0006	0.0007	0.0006	0.0006	0.0008	0.0008	0.0008	0.0008
60 mph	0.0006	0.0007	0.0007	0.0007	0.0009	0.0009	0.0009	0.0009
65 mph	0.0007	0.0008	0.0007	0.0007	0.0010	0.0010		
70 mph	0.0008	0.0009	0.0008	0.0008	0.0011	0.0011		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7943	0.7970	0.0112	0.0111
10 mph	0.0033	0.0506	0.0088	0.0034	0.0172	0.0289	0.0045	0.0112
15 mph	0.0028	0.0380	0.0076	0.0029	0.0139	0.0242	0.0035	0.0085
20 mph	0.0023	0.0296	0.0065	0.0025	0.0118	0.0204	0.0030	0.0062
25 mph	0.0020	0.0237	0.0056	0.0021	0.0099	0.0173	0.0028	0.0064
30 mph	0.0017	0.0198	0.0049	0.0019	0.0087	0.0153	0.0031	0.0069
35 mph	0.0015	0.0172	0.0044	0.0017	0.0080	0.0139	0.0037	0.0083
40 mph	0.0014	0.0157	0.0041	0.0016	0.0074	0.0128	0.0047	0.0106
45 mph	0.0013	0.0149	0.0038	0.0014	0.0069	0.0119	0.0061	0.0138
50 mph	0.0012	0.0146	0.0035	0.0014	0.0066	0.0113	0.0079	0.0177
55 mph	0.0012	0.0150	0.0033	0.0013	0.0063	0.0107	0.0100	0.0231
60 mph	0.0012	0.0161	0.0033	0.0013	0.0063	0.0106	0.0125	0.0286
65 mph	0.0012	0.0178	0.0033	0.0013	0.0066	0.0109		
70 mph	0.0013	0.0180	0.0033	0.0014	0.0092	0.0130		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0239
10 mph								0.0056
15 mph								0.0047
20 mph								0.0041
25 mph								0.0037
30 mph								0.0034
35 mph								0.0032
40 mph								0.0030
45 mph								0.0029
50 mph								0.0029
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0572	0.0052	0.0229	0.0079	0.0046	0.0013	0.0023	0.0000	0.1014
15 mph	0.0152	0.0014	0.0061	0.0021	0.0012	0.0003	0.0005	0.0000	0.0268
20 mph	0.0212	0.0019	0.0085	0.0030	0.0017	0.0005	0.0007	0.0000	0.0376
25 mph	0.0784	0.0072	0.0315	0.0109	0.0063	0.0018	0.0029	0.0000	0.1391
30 mph	0.0672	0.0061	0.0270	0.0094	0.0054	0.0015	0.0021	0.0000	0.1188
35 mph	0.0452	0.0041	0.0181	0.0063	0.0037	0.0010	0.0008	0.0000	0.0792
40 mph	0.0131	0.0012	0.0052	0.0018	0.0011	0.0003	0.0007	0.0000	0.0234
45 mph	0.0100	0.0009	0.0040	0.0014	0.0008	0.0002	0.0005	0.0000	0.0178
50 mph	0.0096	0.0009	0.0038	0.0013	0.0008	0.0002	0.0008	0.0000	0.0175
55 mph	0.0078	0.0007	0.0031	0.0011	0.0006	0.0002	0.0002	0.0000	0.0138
60 mph	0.0168	0.0015	0.0067	0.0023	0.0014	0.0004	0.0002	0.0000	0.0294
65 mph	0.0024	0.0002	0.0010	0.0003	0.0002	0.0001	-	-	0.0041
70 mph	-	-	-	-	-	-	-	-	-
total	0.3441	0.0313	0.1381	0.0479	0.0278	0.0078	0.0118	0.0001	0.6090

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0047	0.0004	0.0019	0.0014	0.0010	0.0003	-	-	0.0097
15 mph	0.0031	0.0003	0.0013	0.0009	0.0007	0.0002	-	-	0.0064
20 mph	0.0022	0.0002	0.0009	0.0006	0.0005	0.0001	0.0013	0.0000	0.0058
25 mph	0.0032	0.0003	0.0013	0.0009	0.0007	0.0002	0.0017	0.0000	0.0083
30 mph	0.0051	0.0005	0.0020	0.0015	0.0011	0.0003	0.0022	0.0000	0.0126
35 mph	0.0093	0.0009	0.0037	0.0027	0.0020	0.0005	0.0018	0.0000	0.0210
40 mph	0.0090	0.0008	0.0036	0.0026	0.0019	0.0005	0.0015	0.0000	0.0200
45 mph	0.0066	0.0006	0.0026	0.0019	0.0014	0.0004	0.0010	0.0000	0.0145
50 mph	0.0072	0.0007	0.0029	0.0021	0.0015	0.0004	0.0005	0.0000	0.0152
55 mph	0.0041	0.0004	0.0016	0.0012	0.0009	0.0002	0.0002	0.0000	0.0086
60 mph	0.0026	0.0002	0.0010	0.0008	0.0005	0.0002	0.0180	0.0002	0.0235
65 mph	0.0010	0.0001	0.0004	0.0003	0.0002	0.0001	-	-	0.0020
70 mph	0.0499	0.0044	0.0195	0.0143	0.0103	0.0029	-	-	0.1013
total	0.1080	0.0097	0.0428	0.0311	0.0225	0.0063	0.0282	0.0003	0.2490

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0044	0.0012	0.0020	0.0000	0.0077
15 mph	0.0253	0.0023	0.0102	0.0031	0.0019	0.0005	0.0008	0.0000	0.0440
25 mph	-	-	-	-	0.0018	0.0005	0.0019	0.0000	0.0042
35 mph	0.0360	0.0033	0.0144	0.0040	-	-	-	-	0.0577
total	0.0613	0.0056	0.0246	0.0071	0.0081	0.0023	0.0047	0.0000	0.1137

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0044	0.0012	0.0020	0.0000	0.0077
10 mph	0.0619	0.0056	0.0248	0.0093	0.0056	0.0016	0.0023	0.0000	0.1111
15 mph	0.0436	0.0040	0.0175	0.0061	0.0037	0.0011	0.0013	0.0000	0.0772
20 mph	0.0234	0.0021	0.0094	0.0036	0.0022	0.0006	0.0020	0.0000	0.0434
25 mph	0.0817	0.0075	0.0328	0.0119	0.0089	0.0025	0.0065	0.0001	0.1517
30 mph	0.0723	0.0066	0.0290	0.0108	0.0065	0.0018	0.0043	0.0000	0.1314
35 mph	0.0906	0.0083	0.0363	0.0130	0.0056	0.0016	0.0026	0.0000	0.1580
40 mph	0.0221	0.0020	0.0088	0.0044	0.0029	0.0008	0.0022	0.0000	0.0434
45 mph	0.0166	0.0015	0.0066	0.0033	0.0022	0.0006	0.0015	0.0000	0.0323
50 mph	0.0168	0.0015	0.0067	0.0034	0.0023	0.0006	0.0013	0.0000	0.0327
55 mph	0.0119	0.0011	0.0048	0.0023	0.0015	0.0004	0.0004	0.0000	0.0224
60 mph	0.0194	0.0018	0.0078	0.0031	0.0019	0.0005	0.0182	0.0002	0.0529
65 mph	0.0034	0.0003	0.0013	0.0005	0.0004	0.0001	-	-	0.0061
70 mph	0.0499	0.0044	0.0195	0.0143	0.0103	0.0029	-	-	0.1013
total	0.5134	0.0467	0.2055	0.0861	0.0585	0.0164	0.0447	0.0004	0.9716

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0005	0.0002	0.0170	0.0189	0.0132	0.0596	0.1101
15 mph	0.0002	0.0000	0.0002	0.0001	0.0055	0.0063	0.0034	0.0151	0.0309
20 mph	0.0004	0.0000	0.0003	0.0001	0.0093	0.0107	0.0058	0.0220	0.0486
25 mph	0.0016	0.0000	0.0014	0.0006	0.0390	0.0454	0.0303	0.1246	0.2429
30 mph	0.0015	0.0000	0.0013	0.0006	0.0379	0.0441	0.0299	0.1225	0.2379
35 mph	0.0011	0.0000	0.0010	0.0004	0.0283	0.0327	0.0162	0.0663	0.1459
40 mph	0.0003	0.0000	0.0003	0.0001	0.0087	0.0100	0.0228	0.0940	0.1363
45 mph	0.0003	0.0000	0.0002	0.0001	0.0068	0.0078	0.0237	0.0978	0.1367
50 mph	0.0002	0.0000	0.0002	0.0001	0.0065	0.0074	0.0497	0.2039	0.2680
55 mph	0.0002	0.0000	0.0002	0.0001	0.0049	0.0056	0.0146	0.0615	0.0871
60 mph	0.0004	0.0000	0.0003	0.0001	0.0099	0.0111	0.0183	0.0759	0.1160
65 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0014	-	-	0.0028
70 mph	-	-	-	-	-	-	-	-	-
total	0.0069	0.0001	0.0061	0.0027	0.1751	0.2014	0.2279	0.9433	1.5634

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0000	0.0036	0.0041	-	-	0.0078
15 mph	0.0000	0.0000	0.0000	0.0000	0.0029	0.0034	-	-	0.0065
20 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0029	0.0105	0.0397	0.0556
25 mph	0.0001	0.0000	0.0001	0.0001	0.0042	0.0049	0.0174	0.0715	0.0981
30 mph	0.0001	0.0000	0.0001	0.0001	0.0074	0.0086	0.0323	0.1325	0.1811
35 mph	0.0002	0.0000	0.0002	0.0002	0.0152	0.0175	0.0388	0.1593	0.2314
40 mph	0.0002	0.0000	0.0002	0.0002	0.0156	0.0179	0.0453	0.1864	0.2658
45 mph	0.0002	0.0000	0.0002	0.0001	0.0117	0.0134	0.0427	0.1764	0.2446
50 mph	0.0002	0.0000	0.0002	0.0002	0.0125	0.0142	0.0276	0.1131	0.1679
55 mph	0.0001	0.0000	0.0001	0.0001	0.0066	0.0075	0.0176	0.0739	0.1059
60 mph	0.0001	0.0000	0.0001	0.0000	0.0040	0.0044	1.5416	6.3869	7.9370
65 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0015	-	-	0.0030
70 mph	0.0010	0.0000	0.0008	0.0008	0.0897	0.0839	-	-	0.1761
total	0.0023	0.0000	0.0019	0.0019	0.1773	0.1841	1.7736	7.3396	9.4809

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0950	0.0633	0.0036	0.0065	0.1684
15 mph	0.0004	0.0000	0.0003	0.0001	0.0084	0.0096	0.0055	0.0242	0.0485
25 mph	-	-	-	-	0.0113	0.0131	0.0193	0.0792	0.1229
35 mph	0.0009	0.0000	0.0008	0.0003	-	-	-	-	0.0020
total	0.0013	0.0000	0.0011	0.0004	0.1147	0.0861	0.0284	0.1098	0.3417

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0950	0.0633	0.0036	0.0065	0.1684
10 mph	0.0007	0.0000	0.0006	0.0003	0.0206	0.0230	0.0132	0.0596	0.1180
15 mph	0.0006	0.0000	0.0005	0.0002	0.0168	0.0194	0.0089	0.0393	0.0858
20 mph	0.0004	0.0000	0.0004	0.0002	0.0118	0.0136	0.0163	0.0617	0.1043
25 mph	0.0016	0.0000	0.0014	0.0007	0.0545	0.0634	0.0669	0.2753	0.4638
30 mph	0.0016	0.0000	0.0014	0.0007	0.0453	0.0527	0.0622	0.2551	0.4190
35 mph	0.0022	0.0000	0.0020	0.0009	0.0435	0.0502	0.0550	0.2255	0.3793
40 mph	0.0006	0.0000	0.0005	0.0003	0.0243	0.0279	0.0681	0.2804	0.4021
45 mph	0.0004	0.0000	0.0004	0.0002	0.0185	0.0211	0.0663	0.2742	0.3813
50 mph	0.0004	0.0000	0.0004	0.0003	0.0190	0.0216	0.0773	0.3170	0.4359
55 mph	0.0003	0.0000	0.0003	0.0002	0.0116	0.0131	0.0322	0.1354	0.1930
60 mph	0.0004	0.0000	0.0004	0.0002	0.0138	0.0155	1.5599	6.4628	8.0530
65 mph	0.0001	0.0000	0.0001	0.0000	0.0027	0.0030	-	-	0.0058
70 mph	0.0010	0.0000	0.0008	0.0008	0.0897	0.0839	-	-	0.1761
total	0.0105	0.0001	0.0091	0.0050	0.4670	0.4716	2.0299	8.3928	11.3860

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0021	0.0021
15 mph								0.0006	0.0006
20 mph								0.0010	0.0010
25 mph								0.0050	0.0050
30 mph								0.0042	0.0042
35 mph								0.0018	0.0018
40 mph								0.0019	0.0019
45 mph								0.0014	0.0014
50 mph								0.0023	0.0023
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0202	0.0202

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0018	0.0018
25 mph								0.0029	0.0029
30 mph								0.0045	0.0045
35 mph								0.0043	0.0043
40 mph								0.0037	0.0037
45 mph								0.0026	0.0026
50 mph								0.0013	0.0013
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0134	0.0134

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0009	0.0009
25 mph								0.0032	0.0032
35 mph								-	-
total	-	-	-	-	-	-	-	0.0051	0.0051

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0021	0.0021
15 mph								0.0015	0.0015
20 mph								0.0028	0.0028
25 mph								0.0110	0.0110
30 mph								0.0087	0.0087
35 mph								0.0060	0.0060
40 mph								0.0056	0.0056
45 mph								0.0041	0.0041
50 mph								0.0036	0.0036
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0463	0.0463

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0994	0.0646	0.0056	0.0075	0.1771
10 mph	0.0626	0.0056	0.0254	0.0096	0.0262	0.0246	0.0155	0.0617	0.2312
15 mph	0.0442	0.0040	0.0180	0.0063	0.0205	0.0204	0.0103	0.0408	0.1646
20 mph	0.0239	0.0021	0.0098	0.0038	0.0139	0.0142	0.0183	0.0646	0.1505
25 mph	0.0833	0.0075	0.0343	0.0125	0.0633	0.0659	0.0734	0.2863	0.6265
30 mph	0.0739	0.0066	0.0305	0.0115	0.0518	0.0545	0.0665	0.2638	0.5591
35 mph	0.0928	0.0083	0.0383	0.0139	0.0491	0.0518	0.0576	0.2316	0.5433
40 mph	0.0226	0.0020	0.0094	0.0048	0.0272	0.0287	0.0703	0.2860	0.4511
45 mph	0.0170	0.0015	0.0070	0.0036	0.0207	0.0218	0.0678	0.2783	0.4177
50 mph	0.0172	0.0015	0.0071	0.0037	0.0213	0.0222	0.0786	0.3206	0.4722
55 mph	0.0122	0.0011	0.0050	0.0024	0.0131	0.0135	0.0327	0.1354	0.2154
60 mph	0.0199	0.0018	0.0082	0.0033	0.0158	0.0161	1.5781	6.4629	8.1060
65 mph	0.0034	0.0003	0.0014	0.0006	0.0031	0.0031	-	-	0.0119
70 mph	0.0509	0.0045	0.0202	0.0151	0.1000	0.0868	-	-	0.2775
STREX	0.0102	0.0009	0.0040	0.0061	0.0006	0.0002	0.0003	0.0000	0.0221
total	0.5340	0.0477	0.2185	0.0971	0.5261	0.4882	2.0749	8.4395	**12.4261**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0011	0.0012	0.0011	0.0011	0.0003	0.0003	0.0004	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0102	0.0009	0.0040	0.0061	0.0006	0.0002	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0102	0.0009	0.0040	0.0061	0.0006	0.0002	0.0003	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	15.3292	1.1708	5.7658	1.9446	1.6090	0.5392	1.1636	0.0060
Diesel	0.1797	0.0002	0.0556	0.0646	1.7430	1.3242	6.9293	8.5189
Electric/NG	0.8355	0.0349	0.2136	0.0785	-	-	-	0.6036
Total	16.3443	1.2059	6.0349	2.0877	3.3520	1.8634	8.0929	9.1285

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	6.3390	0.4842	2.3843	1.6794	1.7251	0.5781	4.1954	0.0217
Diesel	0.0743	0.0001	0.0230	0.0558	1.8688	1.4198	24.9837	30.7150
Electric/NG	0.3455	0.0144	0.0883	0.0678	-	-	-	2.1762
Total	6.7588	0.4987	2.4956	1.8031	3.5939	1.9979	29.1790	32.9130

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.7091	0.2069	1.0190	0.2789	0.1422	0.0476	0.1999	0.0010
Diesel	0.0318	0.0000	0.0098	0.0093	0.1540	0.1170	1.1905	1.4637
Electric/NG	0.1477	0.0062	0.0377	0.0113	-	-	-	0.1037
Total	2.8886	0.2131	1.0666	0.2995	0.2961	0.1646	1.3905	1.5684

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	24.3773	1.8619	9.1690	3.9029	3.4762	1.1650	5.5589	0.0288	49.5400
Diesel	0.2858	0.0003	0.0884	0.1297	3.7658	2.8610	33.1036	40.6976	80.9322
Electric/NG	1.3286	0.0555	0.3397	0.1576	-	-	-	2.8835	4.7648
Total	25.9917	1.9177	9.5971	4.1902	7.2420	4.0260	38.6624	43.6099	**135.2371**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	129.4299
Internal	91.1111
Total	**220.5409**

World Logistics Center
Mobile Emissions - 2034 (Net) - Unmitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0353	0.0340	0.0344	0.0355
10 mph	0.0031	0.0036	0.0033	0.0034	0.0045	0.0043	0.0044	0.0045
15 mph	0.0020	0.0024	0.0022	0.0022	0.0030	0.0029	0.0029	0.0030
20 mph	0.0014	0.0017	0.0015	0.0016	0.0021	0.0020	0.0020	0.0021
25 mph	0.0011	0.0013	0.0011	0.0012	0.0015	0.0015	0.0015	0.0015
30 mph	0.0008	0.0010	0.0009	0.0009	0.0012	0.0011	0.0012	0.0012
35 mph	0.0007	0.0008	0.0007	0.0007	0.0010	0.0009	0.0010	0.0010
40 mph	0.0006	0.0007	0.0006	0.0006	0.0009	0.0008	0.0008	0.0009
45 mph	0.0005	0.0006	0.0006	0.0006	0.0008	0.0007	0.0008	0.0008
50 mph	0.0005	0.0006	0.0005	0.0006	0.0008	0.0007	0.0007	0.0008
55 mph	0.0005	0.0006	0.0006	0.0006	0.0008	0.0007	0.0007	0.0008
60 mph	0.0006	0.0007	0.0006	0.0006	0.0008	0.0008	0.0008	0.0008
65 mph	0.0006	0.0008	0.0007	0.0007	0.0009	0.0009		
70 mph	0.0007	0.0008	0.0007	0.0008	0.0010	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7599	0.7626	0.0108	0.0107
10 mph	0.0032	0.0484	0.0084	0.0033	0.0165	0.0277	0.0043	0.0107
15 mph	0.0027	0.0364	0.0073	0.0028	0.0133	0.0231	0.0034	0.0082
20 mph	0.0022	0.0283	0.0062	0.0024	0.0112	0.0196	0.0029	0.0059
25 mph	0.0019	0.0227	0.0053	0.0020	0.0095	0.0166	0.0027	0.0061
30 mph	0.0016	0.0189	0.0047	0.0018	0.0084	0.0147	0.0029	0.0066
35 mph	0.0015	0.0164	0.0043	0.0016	0.0076	0.0133	0.0035	0.0080
40 mph	0.0013	0.0150	0.0039	0.0015	0.0070	0.0122	0.0045	0.0102
45 mph	0.0013	0.0142	0.0036	0.0014	0.0066	0.0114	0.0058	0.0132
50 mph	0.0012	0.0139	0.0034	0.0013	0.0063	0.0108	0.0075	0.0169
55 mph	0.0011	0.0144	0.0032	0.0012	0.0060	0.0102	0.0096	0.0221
60 mph	0.0011	0.0154	0.0031	0.0012	0.0060	0.0101	0.0120	0.0273
65 mph	0.0012	0.0170	0.0031	0.0013	0.0063	0.0105		
70 mph	0.0012	0.0172	0.0031	0.0014	0.0088	0.0124		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0229
10 mph								0.0053
15 mph								0.0045
20 mph								0.0039
25 mph								0.0035
30 mph								0.0032
35 mph								0.0030
40 mph								0.0029
45 mph								0.0028
50 mph								0.0028
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0526	0.0048	0.0211	0.0073	0.0042	0.0012	0.0021	0.0000	0.0933
15 mph	0.0139	0.0013	0.0056	0.0019	0.0011	0.0003	0.0005	0.0000	0.0247
20 mph	0.0195	0.0018	0.0079	0.0027	0.0016	0.0004	0.0007	0.0000	0.0346
25 mph	0.0721	0.0066	0.0290	0.0100	0.0058	0.0016	0.0027	0.0000	0.1279
30 mph	0.0618	0.0056	0.0248	0.0086	0.0050	0.0014	0.0019	0.0000	0.1092
35 mph	0.0416	0.0038	0.0167	0.0058	0.0034	0.0009	0.0007	0.0000	0.0728
40 mph	0.0120	0.0011	0.0048	0.0017	0.0010	0.0003	0.0007	0.0000	0.0215
45 mph	0.0092	0.0008	0.0037	0.0013	0.0007	0.0002	0.0005	0.0000	0.0164
50 mph	0.0088	0.0008	0.0035	0.0012	0.0007	0.0002	0.0008	0.0000	0.0161
55 mph	0.0072	0.0007	0.0029	0.0010	0.0006	0.0002	0.0002	0.0000	0.0127
60 mph	0.0155	0.0014	0.0062	0.0022	0.0013	0.0004	0.0002	0.0000	0.0270
65 mph	0.0022	0.0002	0.0009	0.0003	0.0002	0.0000	-	-	0.0038
70 mph	-	-	-	-	-	-	-	-	-
total	0.3164	0.0288	0.1270	0.0440	0.0256	0.0072	0.0109	0.0001	0.5600

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0043	0.0004	0.0017	0.0013	0.0009	0.0003	-	-	0.0089
15 mph	0.0029	0.0003	0.0012	0.0008	0.0006	0.0002	-	-	0.0059
20 mph	0.0020	0.0002	0.0008	0.0006	0.0004	0.0001	0.0012	0.0000	0.0053
25 mph	0.0030	0.0003	0.0012	0.0009	0.0006	0.0002	0.0015	0.0000	0.0077
30 mph	0.0046	0.0004	0.0019	0.0014	0.0010	0.0003	0.0021	0.0000	0.0116
35 mph	0.0086	0.0008	0.0034	0.0025	0.0018	0.0005	0.0017	0.0000	0.0193
40 mph	0.0083	0.0008	0.0033	0.0024	0.0017	0.0005	0.0013	0.0000	0.0183
45 mph	0.0061	0.0006	0.0024	0.0018	0.0013	0.0004	0.0009	0.0000	0.0133
50 mph	0.0066	0.0006	0.0026	0.0019	0.0014	0.0004	0.0004	0.0000	0.0139
55 mph	0.0037	0.0003	0.0015	0.0011	0.0008	0.0002	0.0002	0.0000	0.0079
60 mph	0.0024	0.0002	0.0010	0.0007	0.0005	0.0001	0.0166	0.0002	0.0216
65 mph	0.0009	0.0001	0.0004	0.0003	0.0002	0.0001	-	-	0.0019
70 mph	0.0459	0.0041	0.0179	0.0131	0.0095	0.0027	-	-	0.0932
total	0.0993	0.0090	0.0393	0.0287	0.0207	0.0058	0.0259	0.0002	0.2289

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0041	0.0011	0.0018	0.0000	0.0071
15 mph	0.0232	0.0021	0.0093	0.0028	0.0017	0.0005	0.0008	0.0000	0.0404
25 mph	-	-	-	-	0.0017	0.0005	0.0017	0.0000	0.0039
35 mph	0.0331	0.0030	0.0133	0.0037	-	-	-	-	0.0531
total	0.0563	0.0051	0.0226	0.0065	0.0075	0.0021	0.0043	0.0000	0.1045

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0041	0.0011	0.0018	0.0000	0.0071
10 mph	0.0569	0.0052	0.0228	0.0086	0.0052	0.0014	0.0021	0.0000	0.1022
15 mph	0.0400	0.0036	0.0161	0.0056	0.0034	0.0010	0.0012	0.0000	0.0710
20 mph	0.0215	0.0020	0.0087	0.0033	0.0020	0.0006	0.0019	0.0000	0.0399
25 mph	0.0751	0.0069	0.0302	0.0109	0.0081	0.0023	0.0059	0.0001	0.1395
30 mph	0.0664	0.0061	0.0267	0.0100	0.0060	0.0017	0.0040	0.0000	0.1208
35 mph	0.0833	0.0076	0.0334	0.0120	0.0052	0.0014	0.0024	0.0000	0.1452
40 mph	0.0203	0.0019	0.0081	0.0041	0.0027	0.0008	0.0020	0.0000	0.0399
45 mph	0.0152	0.0014	0.0061	0.0030	0.0020	0.0006	0.0014	0.0000	0.0297
50 mph	0.0154	0.0014	0.0062	0.0031	0.0021	0.0006	0.0012	0.0000	0.0301
55 mph	0.0109	0.0010	0.0044	0.0021	0.0014	0.0004	0.0004	0.0000	0.0206
60 mph	0.0179	0.0016	0.0072	0.0028	0.0018	0.0005	0.0168	0.0002	0.0487
65 mph	0.0031	0.0003	0.0012	0.0006	0.0004	0.0001	-	-	0.0057
70 mph	0.0459	0.0041	0.0179	0.0131	0.0095	0.0027	-	-	0.0932
total	0.4720	0.0429	0.1889	0.0792	0.0538	0.0151	0.0411	0.0004	0.8934

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0005	0.0002	0.0163	0.0181	0.0126	0.0570	0.1054
15 mph	0.0002	0.0000	0.0002	0.0001	0.0052	0.0061	0.0033	0.0145	0.0295
20 mph	0.0004	0.0000	0.0003	0.0001	0.0089	0.0102	0.0056	0.0211	0.0465
25 mph	0.0015	0.0000	0.0013	0.0006	0.0373	0.0434	0.0290	0.1192	0.2324
30 mph	0.0014	0.0000	0.0013	0.0006	0.0363	0.0422	0.0286	0.1172	0.2276
35 mph	0.0011	0.0000	0.0010	0.0004	0.0271	0.0313	0.0155	0.0634	0.1396
40 mph	0.0003	0.0000	0.0003	0.0001	0.0083	0.0096	0.0218	0.0899	0.1304
45 mph	0.0003	0.0000	0.0002	0.0001	0.0065	0.0074	0.0226	0.0936	0.1308
50 mph	0.0002	0.0000	0.0002	0.0001	0.0062	0.0070	0.0476	0.1951	0.2564
55 mph	0.0002	0.0000	0.0002	0.0001	0.0047	0.0054	0.0140	0.0588	0.0833
60 mph	0.0004	0.0000	0.0003	0.0001	0.0094	0.0106	0.0175	0.0726	0.1110
65 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0014	-	-	0.0027
70 mph	-	-	-	-	-	-	-	-	-
total	0.0066	0.0001	0.0058	0.0026	0.1675	0.1927	0.2180	0.9025	1.4958

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0000	0.0035	0.0039	-	-	0.0075
15 mph	0.0000	0.0000	0.0000	0.0000	0.0028	0.0032	-	-	0.0062
20 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0027	0.0100	0.0380	0.0532
25 mph	0.0001	0.0000	0.0001	0.0001	0.0040	0.0047	0.0166	0.0684	0.0938
30 mph	0.0001	0.0000	0.0001	0.0001	0.0071	0.0082	0.0309	0.1268	0.1733
35 mph	0.0002	0.0000	0.0002	0.0002	0.0145	0.0168	0.0372	0.1524	0.2214
40 mph	0.0002	0.0000	0.0002	0.0002	0.0149	0.0171	0.0433	0.1783	0.2543
45 mph	0.0002	0.0000	0.0001	0.0001	0.0112	0.0128	0.0408	0.1688	0.2340
50 mph	0.0002	0.0000	0.0002	0.0001	0.0120	0.0136	0.0264	0.1082	0.1607
55 mph	0.0001	0.0000	0.0001	0.0001	0.0063	0.0072	0.0168	0.0707	0.1013
60 mph	0.0001	0.0000	0.0000	0.0000	0.0038	0.0043	1.4749	6.1106	7.5937
65 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0015	-	-	0.0029
70 mph	0.0009	0.0000	0.0007	0.0008	0.0858	0.0802	-	-	0.1685
total	0.0022	0.0000	0.0019	0.0018	0.1696	0.1762	1.6969	7.0221	9.0707

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0909	0.0606	0.0034	0.0062	0.1611
15 mph	0.0004	0.0000	0.0003	0.0001	0.0080	0.0092	0.0053	0.0231	0.0464
25 mph	-	-	-	-	0.0108	0.0126	0.0184	0.0758	0.1176
35 mph	0.0008	0.0000	0.0008	0.0003	-	-	-	-	0.0019
total	0.0012	0.0000	0.0011	0.0004	0.1097	0.0824	0.0271	0.1051	0.3269

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0909	0.0606	0.0034	0.0062	0.1611
10 mph	0.0007	0.0000	0.0006	0.0003	0.0197	0.0220	0.0126	0.0570	0.1129
15 mph	0.0006	0.0000	0.0005	0.0002	0.0161	0.0185	0.0086	0.0376	0.0821
20 mph	0.0004	0.0000	0.0003	0.0002	0.0112	0.0130	0.0156	0.0591	0.0998
25 mph	0.0016	0.0000	0.0014	0.0006	0.0521	0.0607	0.0640	0.2634	0.4438
30 mph	0.0016	0.0000	0.0014	0.0007	0.0433	0.0504	0.0595	0.2440	0.4009
35 mph	0.0021	0.0000	0.0019	0.0009	0.0416	0.0480	0.0526	0.2158	0.3629
40 mph	0.0005	0.0000	0.0005	0.0003	0.0232	0.0267	0.0652	0.2683	0.3847
45 mph	0.0004	0.0000	0.0004	0.0002	0.0177	0.0202	0.0635	0.2624	0.3648
50 mph	0.0004	0.0000	0.0004	0.0002	0.0182	0.0207	0.0739	0.3033	0.4171
55 mph	0.0003	0.0000	0.0002	0.0001	0.0111	0.0125	0.0308	0.1296	0.1847
60 mph	0.0004	0.0000	0.0004	0.0002	0.0132	0.0148	1.4924	6.1832	7.7047
65 mph	0.0001	0.0000	0.0001	0.0000	0.0026	0.0028	-	-	0.0056
70 mph	0.0009	0.0000	0.0007	0.0008	0.0858	0.0802	-	-	0.1685
total	0.0100	0.0001	0.0087	0.0048	0.4468	0.4512	1.9421	8.0297	10.8935

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0020	0.0020
15 mph								0.0006	0.0006
20 mph								0.0010	0.0010
25 mph								0.0048	0.0048
30 mph								0.0040	0.0040
35 mph								0.0017	0.0017
40 mph								0.0018	0.0018
45 mph								0.0014	0.0014
50 mph								0.0022	0.0022
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0193	0.0193

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0017	0.0017
25 mph								0.0027	0.0027
30 mph								0.0043	0.0043
35 mph								0.0041	0.0041
40 mph								0.0036	0.0036
45 mph								0.0025	0.0025
50 mph								0.0012	0.0012
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0129	0.0129

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
15 mph								0.0009	0.0009
25 mph								0.0030	0.0030
35 mph								-	-
total	-	-	-	-	-	-	-	0.0048	0.0048

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
10 mph								0.0020	0.0020
15 mph								0.0014	0.0014
20 mph								0.0027	0.0027
25 mph								0.0105	0.0105
30 mph								0.0083	0.0083
35 mph								0.0058	0.0058
40 mph								0.0053	0.0053
45 mph								0.0039	0.0039
50 mph								0.0034	0.0034
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0443	0.0443

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0950	0.0617	0.0053	0.0071	0.1691
10 mph	0.0576	0.0052	0.0234	0.0088	0.0249	0.0234	0.0147	0.0590	0.2170
15 mph	0.0407	0.0037	0.0166	0.0058	0.0195	0.0195	0.0098	0.0390	0.1546
20 mph	0.0219	0.0020	0.0090	0.0035	0.0132	0.0135	0.0174	0.0618	0.1424
25 mph	0.0767	0.0069	0.0316	0.0115	0.0603	0.0629	0.0700	0.2740	0.5938
30 mph	0.0680	0.0061	0.0281	0.0106	0.0493	0.0521	0.0634	0.2524	0.5300
35 mph	0.0854	0.0076	0.0353	0.0128	0.0467	0.0495	0.0550	0.2216	0.5139
40 mph	0.0208	0.0019	0.0086	0.0044	0.0259	0.0275	0.0672	0.2736	0.4300
45 mph	0.0156	0.0014	0.0065	0.0033	0.0197	0.0208	0.0648	0.2663	0.3984
50 mph	0.0159	0.0014	0.0065	0.0034	0.0203	0.0212	0.0751	0.3067	0.4506
55 mph	0.0112	0.0010	0.0046	0.0022	0.0124	0.0129	0.0312	0.1296	0.2052
60 mph	0.0183	0.0016	0.0075	0.0030	0.0150	0.0153	1.5092	6.1834	7.7533
65 mph	0.0032	0.0003	0.0013	0.0006	0.0030	0.0029	-	-	0.0112
70 mph	0.0468	0.0041	0.0186	0.0139	0.0953	0.0829	-	-	0.2617
STREX	0.0093	0.0008	0.0036	0.0056	0.0005	0.0001	0.0003	0.0000	0.0204
total	0.4914	0.0438	0.2013	0.0896	0.5011	0.4664	1.9835	8.0744	**11.8516**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0010	0.0011	0.0010	0.0011	0.0003	0.0003	0.0004	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0093	0.0008	0.0036	0.0056	0.0005	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0093	0.0008	0.0036	0.0056	0.0005	0.0001	0.0003	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	6.0803	0.4644	2.2870	0.7713	0.6623	0.2232	0.4812	0.0023
Diesel	0.0713	0.0001	0.0220	0.0256	0.7048	0.5395	2.8654	3.0907
Electric/NG	0.3314	0.0138	0.0847	0.0311	-	-	-	0.2190
Total	6.4830	0.4783	2.3937	0.8281	1.3671	0.7626	3.3466	3.3120

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.5144	0.1920	0.9457	0.6661	0.7101	0.2393	1.7348	0.0084
Diesel	0.0295	0.0000	0.0091	0.0221	0.7556	0.5784	10.3312	11.1434
Electric/NG	0.1370	0.0057	0.0350	0.0269	-	-	-	0.7895
Total	2.6809	0.1978	0.9899	0.7152	1.4658	0.8177	12.0660	11.9413

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.0746	0.0821	0.4042	0.1106	0.0585	0.0197	0.0827	0.0004
Diesel	0.0126	0.0000	0.0039	0.0037	0.0623	0.0477	0.4923	0.5310
Electric/NG	0.0586	0.0024	0.0150	0.0045	-	-	-	0.0376
Total	1.1457	0.0845	0.4230	0.1188	0.1208	0.0674	0.5750	0.5690

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	9.6692	0.7385	3.6369	1.5481	1.4310	0.4822	2.2987	0.0111	19.8156
Diesel	0.1134	0.0001	0.0350	0.0515	1.5227	1.1655	13.6889	14.7651	31.3422
Electric/NG	0.5270	0.0220	0.1347	0.0625	-	-	-	1.0461	1.7924
Total	10.3096	0.7606	3.8067	1.6620	2.9537	1.6477	15.9876	15.8223	**52.9501**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	31.7691
Internal	22.3636
Total	**54.1328**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0731	0.0475	0.0041	0.0055	0.1302
10 mph	0.0369	0.0033	0.0150	0.0057	0.0192	0.0180	0.0113	0.0455	0.1548
15 mph	0.0260	0.0023	0.0106	0.0037	0.0150	0.0150	0.0075	0.0301	0.1103
20 mph	0.0140	0.0013	0.0058	0.0022	0.0102	0.0104	0.0134	0.0476	0.1049
25 mph	0.0491	0.0044	0.0202	0.0074	0.0464	0.0485	0.0539	0.2109	0.4407
30 mph	0.0435	0.0039	0.0180	0.0068	0.0380	0.0401	0.0488	0.1944	0.3934
35 mph	0.0546	0.0049	0.0226	0.0082	0.0360	0.0381	0.0423	0.1706	0.3774
40 mph	0.0133	0.0012	0.0055	0.0028	0.0200	0.0212	0.0517	0.2107	0.3264
45 mph	0.0100	0.0009	0.0041	0.0021	0.0152	0.0160	0.0499	0.2050	0.3033
50 mph	0.0101	0.0009	0.0042	0.0022	0.0156	0.0164	0.0579	0.2362	0.3434
55 mph	0.0072	0.0006	0.0030	0.0014	0.0096	0.0099	0.0240	0.0998	0.1555
60 mph	0.0117	0.0010	0.0048	0.0019	0.0116	0.0118	1.1621	4.7612	5.9661
65 mph	0.0020	0.0002	0.0008	0.0004	0.0023	0.0023	-	-	0.0080
70 mph	0.0300	0.0026	0.0119	0.0089	0.0734	0.0638	-	-	0.1906
total	0.3085	0.0275	0.1265	0.0537	0.3855	0.3591	1.5271	6.2173	9.0052

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2034 (Net) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	2,770	2.40	0.32	0.0005	1.30	0.0019	5.28
2	L	3,893	2.40	0.32	0.0005	1.82	0.0019	7.42
3	L	3,693	2.40	0.32	0.0005	1.73	0.0019	7.03
5	L	5,971	2.40	0.32	0.0005	2.79	0.0019	11.37
6	L	11,969	2.40	0.32	0.0005	5.60	0.0019	22.80
8	L	8,922	2.40	0.32	0.0005	4.17	0.0019	17.00
11	L	(1,798)	2.40	0.32	0.0005	(0.84)	0.0019	(3.43)
12	L	(2,740)	2.40	0.32	0.0005	(1.28)	0.0019	(5.22)
14	L	(1,469)	2.40	0.32	0.0005	(0.69)	0.0019	(2.80)
18	L	1,551	2.40	0.32	0.0005	0.73	0.0019	2.95
19	L	7,389	2.40	0.32	0.0005	3.46	0.0019	14.08
21	L	3,796	2.40	0.32	0.0005	1.78	0.0019	7.23
24	L	8,539	2.40	0.32	0.0005	3.99	0.0019	16.27
30	L	(8,387)	2.40	0.32	0.0005	(3.92)	0.0019	(15.98)
29	L	4,015	2.40	0.32	0.0005	1.88	0.0019	7.65
31	L	(289)	2.40	0.32	0.0005	(0.14)	0.0019	(0.55)
TOTAL						22.36		91.11

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2034 (Net) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	354,991	2.40	0.032	0.0001	20.42	0.0002	83.20
Freeway	F	393,014	2.40	0.015	0.0000	11.35	0.0001	46.23
TOTAL		748,005				31.77		129.43

World Logistics Center
Mobile Emissions - 2034 (Net) - Unmitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0047	0.0058	0.0055	0.0059	0.0071	0.0080	0.0149	0.2044
15 mph	0.0041	0.0051	0.0048	0.0052	0.0062	0.0070	0.0131	0.1804
20 mph	0.0037	0.0046	0.0043	0.0046	0.0056	0.0063	0.0118	0.1620
25 mph	0.0033	0.0042	0.0039	0.0042	0.0051	0.0057	0.0107	0.1479
30 mph	0.0031	0.0039	0.0036	0.0039	0.0048	0.0053	0.0099	0.1373
35 mph	0.0029	0.0036	0.0034	0.0037	0.0045	0.0050	0.0093	0.1294
40 mph	0.0028	0.0035	0.0033	0.0035	0.0043	0.0048	0.0089	0.1236
45 mph	0.0027	0.0034	0.0032	0.0034	0.0042	0.0047	0.0086	0.1200
50 mph	0.0027	0.0034	0.0031	0.0034	0.0042	0.0046	0.0085	0.1186
55 mph	0.0027	0.0034	0.0032	0.0035	0.0042	0.0047	0.0086	0.1196
60 mph	0.0028	0.0036	0.0033	0.0036	0.0044	0.0049	0.0088	0.1235
65 mph	0.0030	0.0038	0.0035	0.0038	0.0046	0.0051	0.0093	0.1298
70 mph	0.0031	0.0040	0.0036	0.0040	0.0050	0.0052	0.0091	0.1356

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0536	0.1100	0.0716	0.0890	0.1337	0.1497	0.2590	0.3879
15 mph	0.0441	0.0915	0.0594	0.0755	0.0871	0.0994	0.2037	0.2931
20 mph	0.0361	0.0751	0.0488	0.0627	0.0743	0.0849	0.1740	0.2505
25 mph	0.0303	0.0627	0.0409	0.0531	0.0659	0.0756	0.1518	0.2088
30 mph	0.0263	0.0539	0.0354	0.0459	0.0599	0.0682	0.1333	0.1833
35 mph	0.0237	0.0483	0.0319	0.0417	0.0600	0.0683	0.1191	0.1658
40 mph	0.0222	0.0450	0.0298	0.0390	0.0584	0.0659	0.1092	0.1518
45 mph	0.0215	0.0434	0.0287	0.0375	0.0570	0.0634	0.1035	0.1440
50 mph	0.0215	0.0434	0.0287	0.0377	0.0598	0.0658	0.1021	0.1407
55 mph	0.0225	0.0454	0.0301	0.0398	0.0624	0.0680	0.1051	0.1459
60 mph	0.0244	0.0493	0.0326	0.0431	0.0630	0.0682	0.1123	0.1548
65 mph	0.0274	0.0549	0.0366	0.0484	0.0639	0.0685	0.1238	0.1677
70 mph	0.0298	0.0572	0.0393	0.0526	0.0647	0.0695	0.1250	0.1705

*US EPA Emission Factors for Greenhouse Gas Inventories.
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.8276
15 mph								0.6944
20 mph								0.6063
25 mph								0.5591
30 mph								0.5290
35 mph								0.5051
40 mph								0.4855
45 mph								0.4691
50 mph								0.4549
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0797	0.0076	0.0354	0.0129	0.0068	0.0022	0.0073	0.0009	0.1527
15 mph	0.0279	0.0027	0.0124	0.0045	0.0024	0.0008	0.0021	0.0003	0.0531
20 mph	0.0502	0.0048	0.0222	0.0081	0.0043	0.0014	0.0038	0.0005	0.0954
25 mph	0.2295	0.0218	0.1012	0.0368	0.0196	0.0064	0.0193	0.0024	0.4368
30 mph	0.2349	0.0223	0.1031	0.0376	0.0201	0.0065	0.0162	0.0020	0.4426
35 mph	0.1817	0.0172	0.0794	0.0290	0.0156	0.0050	0.0068	0.0009	0.3357
40 mph	0.0579	0.0055	0.0253	0.0092	0.0050	0.0016	0.0073	0.0009	0.1127
45 mph	0.0467	0.0044	0.0204	0.0075	0.0040	0.0013	0.0056	0.0007	0.0906
50 mph	0.0462	0.0044	0.0202	0.0074	0.0040	0.0013	0.0090	0.0011	0.0936
55 mph	0.0373	0.0036	0.0164	0.0060	0.0032	0.0010	0.0021	0.0003	0.0699
60 mph	0.0776	0.0075	0.0342	0.0125	0.0067	0.0022	0.0022	0.0003	0.1430
65 mph	0.0102	0.0010	0.0045	0.0017	0.0009	0.0003	-	-	0.0184
70 mph	-	-	-	-	-	-	-	-	-
total	1.0797	0.1027	0.4746	0.1732	0.0925	0.0300	0.0817	0.0102	2.0445

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0066	0.0006	0.0029	0.0022	0.0015	0.0005	-	-	0.0143
15 mph	0.0058	0.0006	0.0026	0.0019	0.0013	0.0004	-	-	0.0125
20 mph	0.0052	0.0005	0.0023	0.0017	0.0012	0.0004	0.0069	0.0009	0.0191
25 mph	0.0095	0.0009	0.0042	0.0032	0.0021	0.0007	0.0111	0.0014	0.0330
30 mph	0.0177	0.0017	0.0078	0.0059	0.0039	0.0013	0.0175	0.0022	0.0579
35 mph	0.0376	0.0036	0.0164	0.0125	0.0083	0.0027	0.0164	0.0021	0.0996
40 mph	0.0399	0.0038	0.0174	0.0133	0.0089	0.0029	0.0144	0.0018	0.1024
45 mph	0.0309	0.0029	0.0135	0.0103	0.0069	0.0022	0.0101	0.0013	0.0782
50 mph	0.0344	0.0033	0.0150	0.0115	0.0077	0.0025	0.0050	0.0006	0.0800
55 mph	0.0193	0.0018	0.0085	0.0065	0.0043	0.0014	0.0025	0.0003	0.0447
60 mph	0.0120	0.0012	0.0053	0.0041	0.0027	0.0009	0.1825	0.0230	0.2315
65 mph	0.0042	0.0004	0.0019	0.0014	0.0009	0.0003	-	-	0.0091
70 mph	0.2045	0.0201	0.0883	0.0697	0.0469	0.0144	-	-	0.4440
total	0.4275	0.0413	0.1861	0.1443	0.0966	0.0304	0.2665	0.0335	1.2262

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0015	0.0005	0.0007	0.0000	0.0027
15 mph	0.0465	0.0045	0.0207	0.0065	0.0036	0.0012	0.0034	0.0004	0.0868
25 mph	-	-	-	-	0.0057	0.0018	0.0123	0.0015	0.0213
35 mph	0.1448	0.0137	0.0633	0.0185	-	-	-	-	0.2402
total	0.1913	0.0182	0.0839	0.0250	0.0108	0.0035	0.0164	0.0020	0.3510

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0015	0.0005	0.0007	0.0000	0.0027
10 mph	0.0862	0.0083	0.0383	0.0151	0.0082	0.0027	0.0073	0.0009	0.1670
15 mph	0.0802	0.0077	0.0356	0.0130	0.0073	0.0024	0.0056	0.0007	0.1524
20 mph	0.0554	0.0053	0.0245	0.0098	0.0054	0.0018	0.0108	0.0013	0.1144
25 mph	0.2389	0.0227	0.1053	0.0400	0.0273	0.0089	0.0426	0.0053	0.4911
30 mph	0.2525	0.0239	0.1109	0.0435	0.0240	0.0078	0.0337	0.0042	0.5005
35 mph	0.3641	0.0344	0.1591	0.0600	0.0239	0.0077	0.0233	0.0029	0.6755
40 mph	0.0978	0.0092	0.0427	0.0226	0.0139	0.0045	0.0217	0.0027	0.2151
45 mph	0.0776	0.0073	0.0339	0.0178	0.0109	0.0035	0.0158	0.0020	0.1688
50 mph	0.0805	0.0077	0.0352	0.0189	0.0117	0.0038	0.0140	0.0018	0.1735
55 mph	0.0566	0.0054	0.0249	0.0125	0.0076	0.0024	0.0046	0.0006	0.1146
60 mph	0.0896	0.0086	0.0395	0.0166	0.0094	0.0030	0.1846	0.0232	0.3746
65 mph	0.0144	0.0014	0.0063	0.0031	0.0018	0.0006	-	-	0.0276
70 mph	0.2045	0.0201	0.0883	0.0697	0.0469	0.0144	-	-	0.4440
total	1.6985	0.1621	0.7446	0.3425	0.1999	0.0638	0.3646	0.0457	3.6218

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0108	0.0000	0.0044	0.0064	0.1318	0.0979	0.7566	2.0610	3.0689
15 mph	0.0035	0.0000	0.0015	0.0022	0.0343	0.0260	0.1983	0.5192	0.7851
20 mph	0.0058	0.0000	0.0024	0.0036	0.0586	0.0444	0.3388	0.8872	1.3409
25 mph	0.0243	0.0000	0.0102	0.0153	0.2597	0.1979	1.6261	4.0671	6.2007
30 mph	0.0232	0.0000	0.0097	0.0146	0.2596	0.1964	1.2982	3.2462	5.0479
35 mph	0.0172	0.0000	0.0071	0.0108	0.2127	0.1610	0.5219	1.3213	2.2521
40 mph	0.0054	0.0000	0.0022	0.0034	0.0690	0.0517	0.5315	1.3443	2.0075
45 mph	0.0043	0.0000	0.0018	0.0027	0.0561	0.0415	0.4031	1.0200	1.5295
50 mph	0.0043	0.0000	0.0018	0.0027	0.0589	0.0430	0.6465	1.6195	2.3767
55 mph	0.0036	0.0000	0.0015	0.0023	0.0492	0.0356	0.1535	0.3875	0.6332
60 mph	0.0078	0.0000	0.0032	0.0050	0.0993	0.0714	0.1640	0.4111	0.7619
65 mph	0.0011	0.0000	0.0005	0.0007	0.0126	0.0090	-	-	0.0238
70 mph	-	-	-	-	-	-	-	-	-
total	0.1113	0.0002	0.0463	0.0698	1.3019	0.9758	6.6386	16.8843	26.0282

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0009	0.0000	0.0004	0.0011	0.0283	0.0210	-	-	0.0516
15 mph	0.0007	0.0000	0.0003	0.0009	0.0184	0.0139	-	-	0.0343
20 mph	0.0006	0.0000	0.0003	0.0008	0.0157	0.0119	0.6108	1.5994	2.2394
25 mph	0.0010	0.0000	0.0004	0.0013	0.0278	0.0212	0.9328	2.3329	3.3175
30 mph	0.0017	0.0000	0.0007	0.0023	0.0506	0.0383	1.4042	3.5112	5.0091
35 mph	0.0035	0.0000	0.0015	0.0047	0.1141	0.0863	1.2545	3.1760	4.6405
40 mph	0.0037	0.0000	0.0015	0.0049	0.1233	0.0925	1.0540	2.6657	3.9456
45 mph	0.0029	0.0000	0.0012	0.0037	0.0963	0.0711	0.7267	1.8387	2.7406
50 mph	0.0032	0.0000	0.0013	0.0042	0.1136	0.0830	0.3586	0.8983	1.4624
55 mph	0.0019	0.0000	0.0008	0.0025	0.0659	0.0477	0.1845	0.4658	0.7689
60 mph	0.0012	0.0000	0.0005	0.0016	0.0399	0.0287	13.7957	34.5879	48.4556
65 mph	0.0005	0.0000	0.0002	0.0006	0.0135	0.0096	-	-	0.0244
70 mph	0.0227	0.0000	0.0093	0.0302	0.6290	0.4489	-	-	1.1401
total	0.0446	0.0001	0.0183	0.0588	1.3365	0.9741	20.3218	51.0759	73.8301

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0006	0.0004	0.0015	0.0028	0.0053
15 mph	0.0059	0.0000	0.0025	0.0032	0.0523	0.0396	0.3169	0.8296	1.2500
25 mph	-	-	-	-	0.0752	0.0573	1.0337	2.5854	3.7516
35 mph	0.0137	0.0000	0.0057	0.0069	-	-	-	-	0.0263
total	0.0196	0.0000	0.0081	0.0100	0.1281	0.0973	1.3522	3.4179	5.0332

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0006	0.0004	0.0015	0.0028	0.0053
10 mph	0.0116	0.0000	0.0048	0.0075	0.1600	0.1189	0.7566	2.0610	3.1205
15 mph	0.0102	0.0000	0.0042	0.0063	0.1051	0.0796	0.5153	1.3488	2.0695
20 mph	0.0064	0.0000	0.0027	0.0044	0.0743	0.0563	0.9496	2.4866	3.5803
25 mph	0.0253	0.0001	0.0106	0.0167	0.3627	0.2763	3.5926	8.9855	13.2698
30 mph	0.0249	0.0001	0.0104	0.0169	0.3103	0.2347	2.7024	6.7574	10.0570
35 mph	0.0344	0.0001	0.0143	0.0224	0.3268	0.2473	1.7764	4.4973	6.9189
40 mph	0.0090	0.0000	0.0037	0.0082	0.1924	0.1442	1.5856	4.0099	5.9531
45 mph	0.0072	0.0000	0.0030	0.0065	0.1524	0.1126	1.1298	2.8587	4.2701
50 mph	0.0075	0.0000	0.0031	0.0070	0.1725	0.1261	1.0051	2.5178	3.8391
55 mph	0.0055	0.0000	0.0023	0.0048	0.1151	0.0833	0.3380	0.8533	1.4022
60 mph	0.0091	0.0000	0.0037	0.0066	0.1392	0.1001	13.9597	34.9991	49.2175
65 mph	0.0016	0.0000	0.0006	0.0013	0.0261	0.0186	-	-	0.0482
70 mph	0.0227	0.0000	0.0093	0.0302	0.6290	0.4489	-	-	1.1401
total	0.1755	0.0003	0.0727	0.1387	2.7664	2.0472	28.3125	71.3781	104.8915

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.3066	0.3066
15 mph								0.0858	0.0858
20 mph								0.1498	0.1498
25 mph								0.7596	0.7596
30 mph								0.6533	0.6533
35 mph								0.2807	0.2807
40 mph								0.2998	0.2998
45 mph								0.2317	0.2317
50 mph								0.3652	0.3652
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.1326	3.1326

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.2700	0.2700
25 mph								0.4357	0.4357
30 mph								0.7066	0.7066
35 mph								0.6748	0.6748
40 mph								0.5946	0.5946
45 mph								0.4178	0.4178
50 mph								0.2026	0.2026
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.0871	2.0871

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0005	0.0005
15 mph								0.1370	0.1370
25 mph								0.4829	0.4829
35 mph								-	-
total	-	-	-	-	-	-	-	0.6204	0.6204

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0005	0.0005
10 mph								0.3066	0.3066
15 mph								0.2228	0.2228
20 mph								0.4198	0.4198
25 mph								1.6781	1.6781
30 mph								1.3599	1.3599
35 mph								0.9555	0.9555
40 mph								0.8944	0.8944
45 mph								0.6495	0.6495
50 mph								0.5678	0.5678
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	7.0550	7.0550

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0021	0.0008	0.0023	0.0033	0.0085
10 mph	0.0979	0.0083	0.0431	0.0227	0.1682	0.1216	0.7639	2.3685	3.5942
15 mph	0.0904	0.0077	0.0398	0.0193	0.1123	0.0820	0.5208	1.5723	2.4446
20 mph	0.0618	0.0053	0.0272	0.0142	0.0797	0.0581	0.9604	2.9077	4.1145
25 mph	0.2643	0.0228	0.1159	0.0566	0.3901	0.2852	3.6352	10.6689	15.4390
30 mph	0.2775	0.0240	0.1213	0.0603	0.3343	0.2425	2.7361	8.1215	11.9175
35 mph	0.3984	0.0345	0.1734	0.0824	0.3507	0.2550	1.7997	5.4557	8.5499
40 mph	0.1069	0.0093	0.0465	0.0308	0.2062	0.1487	1.6072	4.9071	7.0626
45 mph	0.0847	0.0074	0.0369	0.0242	0.1634	0.1161	1.1455	3.5102	5.0884
50 mph	0.0881	0.0077	0.0383	0.0259	0.1842	0.1298	1.0191	3.0874	4.5804
55 mph	0.0621	0.0054	0.0271	0.0173	0.1226	0.0857	0.3426	0.8539	1.5168
60 mph	0.0986	0.0086	0.0432	0.0232	0.1486	0.1031	14.1443	35.0223	49.5920
65 mph	0.0159	0.0014	0.0070	0.0044	0.0279	0.0192	-	-	0.0757
70 mph	0.2273	0.0202	0.0976	0.0999	0.6759	0.4632	-	-	1.5841
STREX	0.1803	0.0150	0.0749	0.1169	0.0535	0.0157	0.0249	0.0000	0.4811
total	2.0543	0.1775	0.8922	0.5980	3.0199	2.1267	28.7021	78.4788	**116.0494**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0190	0.0207	0.0210	0.0221	0.0318	0.0319	0.0298	0.0012
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1803	0.0150	0.0749	0.1169	0.0535	0.0157	0.0249	0.0000
Diesel	-	-	-	-	-	-	-	-
/NGElectric	-	-	-	-	-	-	-	-
Total	0.1803	0.0150	0.0749	0.1169	0.0535	0.0157	0.0249	0.0000

World Logistics Center
Mobile Emissions - 2034 (Net) - Unmitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.7949	1.8169	3.3706	2.3678
10 mph	0.0039	0.0067	0.0065	0.0072	0.0070	0.0062	0.0139	0.2976
15 mph	0.0026	0.0045	0.0043	0.0048	0.0047	0.0041	0.0092	0.1977
20 mph	0.0018	0.0032	0.0030	0.0034	0.0033	0.0029	0.0065	0.1386
25 mph	0.0013	0.0024	0.0023	0.0025	0.0025	0.0021	0.0048	0.1025
30 mph	0.0010	0.0018	0.0018	0.0020	0.0019	0.0017	0.0037	0.0799
35 mph	0.0009	0.0015	0.0014	0.0016	0.0016	0.0014	0.0030	0.0658
40 mph	0.0007	0.0013	0.0012	0.0014	0.0014	0.0012	0.0026	0.0572
45 mph	0.0007	0.0012	0.0011	0.0013	0.0013	0.0011	0.0024	0.0524
50 mph	0.0007	0.0012	0.0011	0.0012	0.0012	0.0011	0.0023	0.0507
55 mph	0.0007	0.0012	0.0011	0.0013	0.0013	0.0011	0.0024	0.0515
60 mph	0.0007	0.0012	0.0012	0.0013	0.0014	0.0011	0.0025	0.0551
65 mph	0.0008	0.0014	0.0013	0.0015	0.0015	0.0013		
70 mph	0.0009	0.0016	0.0014	0.0016	0.0017	0.0014		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0236	0.1098
10 mph	0.0034	0.0108	0.0091	0.0038	0.0259	0.0260	0.0016	0.0037
15 mph	0.0016	0.0059	0.0045	0.0018	0.0128	0.0129	0.0009	0.0021
20 mph	0.0007	0.0031	0.0017	0.0007	0.0053	0.0053	0.0006	0.0013
25 mph	0.0004	0.0021	0.0010	0.0004	0.0032	0.0033	0.0005	0.0011
30 mph	0.0003	0.0017	0.0008	0.0003	0.0025	0.0025	0.0004	0.0009
35 mph	0.0002	0.0014	0.0006	0.0003	0.0020	0.0021	0.0003	0.0007
40 mph	0.0002	0.0012	0.0005	0.0002	0.0017	0.0017	0.0003	0.0006
45 mph	0.0002	0.0011	0.0004	0.0002	0.0015	0.0015	0.0002	0.0006
50 mph	0.0002	0.0011	0.0004	0.0002	0.0013	0.0014	0.0002	0.0006
55 mph	0.0001	0.0011	0.0003	0.0001	0.0012	0.0012	0.0003	0.0006
60 mph	0.0001	0.0011	0.0003	0.0001	0.0012	0.0012	0.0003	0.0007
65 mph	0.0001	0.0012	0.0003	0.0001	0.0013	0.0013		
70 mph	0.0001	0.0012	0.0003	0.0001	0.0018	0.0017		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.8743
10 mph								10.6727
15 mph								7.4079
20 mph								5.2871
25 mph								3.8777
30 mph								2.8683
35 mph								2.1232
40 mph								1.5735
45 mph								1.1686
50 mph								0.8711
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0669	0.0087	0.0416	0.0157	0.0067	0.0017	0.0068	0.0013	0.1495
15 mph	0.0178	0.0023	0.0111	0.0042	0.0018	0.0005	0.0015	0.0003	0.0395
20 mph	0.0249	0.0033	0.0157	0.0059	0.0025	0.0006	0.0021	0.0004	0.0556
25 mph	0.0919	0.0123	0.0580	0.0219	0.0093	0.0024	0.0086	0.0017	0.2062
30 mph	0.0786	0.0106	0.0497	0.0188	0.0080	0.0020	0.0061	0.0012	0.1750
35 mph	0.0528	0.0071	0.0332	0.0126	0.0055	0.0014	0.0022	0.0004	0.1153
40 mph	0.0153	0.0021	0.0096	0.0037	0.0016	0.0004	0.0022	0.0004	0.0352
45 mph	0.0117	0.0016	0.0074	0.0028	0.0012	0.0003	0.0016	0.0003	0.0269
50 mph	0.0113	0.0015	0.0071	0.0027	0.0012	0.0003	0.0025	0.0005	0.0270
55 mph	0.0092	0.0012	0.0057	0.0022	0.0010	0.0002	0.0006	0.0001	0.0202
60 mph	0.0194	0.0026	0.0120	0.0046	0.0021	0.0005	0.0006	0.0001	0.0419
65 mph	0.0027	0.0004	0.0017	0.0006	0.0003	0.0001	-	-	0.0057
70 mph	-	-	-	-	-	-	-	-	-
total	0.4024	0.0538	0.2529	0.0958	0.0412	0.0104	0.0347	0.0067	0.8980

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0055	0.0007	0.0034	0.0027	0.0014	0.0004	-	-	0.0142
15 mph	0.0037	0.0005	0.0023	0.0018	0.0010	0.0002	-	-	0.0095
20 mph	0.0026	0.0003	0.0016	0.0013	0.0007	0.0002	0.0038	0.0007	0.0112
25 mph	0.0038	0.0005	0.0024	0.0019	0.0010	0.0003	0.0049	0.0010	0.0157
30 mph	0.0059	0.0008	0.0037	0.0030	0.0016	0.0004	0.0066	0.0013	0.0232
35 mph	0.0109	0.0015	0.0069	0.0055	0.0029	0.0007	0.0054	0.0010	0.0348
40 mph	0.0105	0.0014	0.0066	0.0053	0.0028	0.0007	0.0043	0.0008	0.0325
45 mph	0.0077	0.0010	0.0049	0.0039	0.0021	0.0005	0.0028	0.0006	0.0235
50 mph	0.0084	0.0011	0.0053	0.0042	0.0023	0.0006	0.0014	0.0003	0.0235
55 mph	0.0047	0.0006	0.0030	0.0024	0.0013	0.0003	0.0007	0.0001	0.0132
60 mph	0.0030	0.0004	0.0019	0.0015	0.0008	0.0002	0.0523	0.0102	0.0703
65 mph	0.0011	0.0001	0.0007	0.0006	0.0003	0.0001	-	-	0.0029
70 mph	0.0570	0.0078	0.0338	0.0281	0.0159	0.0037	-	-	0.1463
total	0.1250	0.0169	0.0764	0.0620	0.0341	0.0083	0.0821	0.0160	0.4209

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2076	0.0612	0.1806	0.0015	0.4510
15 mph	0.0296	0.0039	0.0186	0.0061	0.0027	0.0007	0.0024	0.0005	0.0644
25 mph	-	-	-	-	0.0027	0.0007	0.0055	0.0011	0.0099
35 mph	0.0421	0.0057	0.0265	0.0080	-	-	-	-	0.0823
total	0.0717	0.0096	0.0450	0.0141	0.2130	0.0626	0.1885	0.0031	0.6076

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2076	0.0612	0.1806	0.0015	0.4510
10 mph	0.0724	0.0094	0.0451	0.0184	0.0082	0.0021	0.0068	0.0013	0.1637
15 mph	0.0510	0.0067	0.0320	0.0121	0.0054	0.0014	0.0039	0.0008	0.1134
20 mph	0.0275	0.0037	0.0173	0.0072	0.0032	0.0008	0.0059	0.0011	0.0668
25 mph	0.0957	0.0128	0.0604	0.0238	0.0131	0.0033	0.0190	0.0037	0.2318
30 mph	0.0846	0.0114	0.0534	0.0218	0.0096	0.0024	0.0126	0.0025	0.1982
35 mph	0.1058	0.0143	0.0666	0.0262	0.0084	0.0021	0.0076	0.0015	0.2324
40 mph	0.0258	0.0035	0.0162	0.0089	0.0044	0.0011	0.0064	0.0013	0.0677
45 mph	0.0194	0.0026	0.0122	0.0067	0.0033	0.0008	0.0044	0.0009	0.0504
50 mph	0.0197	0.0027	0.0123	0.0069	0.0035	0.0009	0.0038	0.0008	0.0505
55 mph	0.0139	0.0019	0.0087	0.0046	0.0023	0.0006	0.0013	0.0003	0.0334
60 mph	0.0224	0.0030	0.0139	0.0061	0.0029	0.0007	0.0529	0.0104	0.1122
65 mph	0.0038	0.0005	0.0024	0.0012	0.0006	0.0001	-	-	0.0086
70 mph	0.0570	0.0078	0.0338	0.0281	0.0159	0.0037	-	-	0.1463
total	0.5991	0.0804	0.3744	0.1719	0.2883	0.0813	0.3054	0.0258	1.9265

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0006	0.0003	0.0255	0.0170	0.0046	0.0199	0.0686
15 mph	0.0001	0.0000	0.0001	0.0001	0.0051	0.0034	0.0009	0.0037	0.0133
20 mph	0.0001	0.0000	0.0001	0.0000	0.0041	0.0028	0.0012	0.0047	0.0130
25 mph	0.0003	0.0000	0.0003	0.0001	0.0128	0.0086	0.0050	0.0211	0.0482
30 mph	0.0003	0.0000	0.0002	0.0001	0.0108	0.0073	0.0036	0.0155	0.0378
35 mph	0.0002	0.0000	0.0001	0.0001	0.0072	0.0048	0.0013	0.0057	0.0195
40 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0014	0.0013	0.0055	0.0102
45 mph	0.0000	0.0000	0.0000	0.0000	0.0015	0.0010	0.0009	0.0040	0.0075
50 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0009	0.0015	0.0066	0.0104
55 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0006	0.0004	0.0017	0.0037
60 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0013	0.0005	0.0019	0.0056
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0019	0.0000	0.0015	0.0007	0.0734	0.0492	0.0212	0.0903	0.2382

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0000	0.0055	0.0036	-	-	0.0093
15 mph	0.0000	0.0000	0.0000	0.0000	0.0027	0.0018	-	-	0.0046
20 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0007	0.0021	0.0085	0.0124
25 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0009	0.0028	0.0121	0.0173
30 mph	0.0000	0.0000	0.0000	0.0000	0.0021	0.0014	0.0039	0.0168	0.0243
35 mph	0.0000	0.0000	0.0000	0.0000	0.0039	0.0026	0.0032	0.0138	0.0235
40 mph	0.0000	0.0000	0.0000	0.0000	0.0036	0.0024	0.0026	0.0108	0.0195
45 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0017	0.0017	0.0073	0.0132
50 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0017	0.0009	0.0036	0.0088
55 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0009	0.0005	0.0020	0.0047
60 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0005	0.0384	0.1640	0.2037
65 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	-	-	0.0005
70 mph	0.0001	0.0000	0.0001	0.0001	0.0171	0.0112	-	-	0.0285
total	0.0004	0.0000	0.0003	0.0003	0.0447	0.0297	0.0561	0.2388	0.3703

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0176	0.0117	0.0075	0.0638	0.1006
15 mph	0.0002	0.0000	0.0002	0.0001	0.0077	0.0052	0.0014	0.0059	0.0206
25 mph	-	-	-	-	0.0037	0.0025	0.0032	0.0134	0.0227
35 mph	0.0001	0.0000	0.0001	0.0000	-	-	-	-	0.0003
total	0.0004	0.0000	0.0003	0.0001	0.0290	0.0194	0.0120	0.0831	0.1443

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0176	0.0117	0.0075	0.0638	0.1006
10 mph	0.0007	0.0000	0.0006	0.0003	0.0310	0.0207	0.0046	0.0199	0.0778
15 mph	0.0004	0.0000	0.0003	0.0002	0.0155	0.0103	0.0022	0.0096	0.0385
20 mph	0.0001	0.0000	0.0001	0.0001	0.0053	0.0035	0.0032	0.0131	0.0254
25 mph	0.0003	0.0000	0.0003	0.0001	0.0179	0.0120	0.0110	0.0466	0.0882
30 mph	0.0003	0.0000	0.0002	0.0001	0.0129	0.0087	0.0076	0.0323	0.0621
35 mph	0.0004	0.0000	0.0003	0.0001	0.0111	0.0074	0.0046	0.0195	0.0433
40 mph	0.0001	0.0000	0.0001	0.0000	0.0056	0.0038	0.0038	0.0163	0.0298
45 mph	0.0001	0.0000	0.0000	0.0000	0.0040	0.0027	0.0027	0.0113	0.0207
50 mph	0.0001	0.0000	0.0000	0.0000	0.0038	0.0026	0.0024	0.0102	0.0192
55 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0015	0.0009	0.0037	0.0084
60 mph	0.0000	0.0000	0.0000	0.0000	0.0026	0.0018	0.0389	0.1659	0.2093
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	-	-	0.0009
70 mph	0.0001	0.0000	0.0001	0.0001	0.0171	0.0112	-	-	0.0285
total	0.0026	0.0000	0.0021	0.0012	0.1471	0.0983	0.0893	0.4122	0.7528

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								3.9545	3.9545
15 mph								0.9149	0.9149
20 mph								1.3060	1.3060
25 mph								5.2682	5.2682
30 mph								3.5426	3.5426
35 mph								1.1800	1.1800
40 mph								0.9717	0.9717
45 mph								0.5773	0.5773
50 mph								0.6993	0.6993
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	18.4146	18.4146

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								2.3544	2.3544
25 mph								3.0218	3.0218
30 mph								3.8319	3.8319
35 mph								2.8364	2.8364
40 mph								1.9270	1.9270
45 mph								1.0408	1.0408
50 mph								0.3879	0.3879
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	12.0445	12.0445

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0759	0.0759
15 mph								1.4620	1.4620
25 mph								3.3489	3.3489
35 mph								-	-
total	-	-	-	-	-	-	-	4.8869	4.8869

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0759	0.0759
10 mph								3.9545	3.9545
15 mph								2.3770	2.3770
20 mph								3.6604	3.6604
25 mph								11.6389	11.6389
30 mph								7.3745	7.3745
35 mph								4.0165	4.0165
40 mph								2.8987	2.8987
45 mph								1.6181	1.6181
50 mph								1.0872	1.0872
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	38.7017	38.7017

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2252	0.0729	0.1882	0.1412	0.6275
10 mph	0.0731	0.0094	0.0457	0.0187	0.0391	0.0228	0.0114	3.9757	4.1960
15 mph	0.0514	0.0067	0.0323	0.0122	0.0209	0.0117	0.0061	2.3874	2.5289
20 mph	0.0276	0.0037	0.0174	0.0072	0.0085	0.0043	0.0092	3.6747	3.7526
25 mph	0.0960	0.0128	0.0607	0.0239	0.0309	0.0153	0.0299	11.6892	11.9589
30 mph	0.0848	0.0114	0.0536	0.0219	0.0225	0.0111	0.0202	7.4092	7.6348
35 mph	0.1062	0.0143	0.0669	0.0263	0.0194	0.0095	0.0122	4.0375	4.2923
40 mph	0.0259	0.0035	0.0163	0.0090	0.0101	0.0049	0.0103	2.9163	2.9962
45 mph	0.0195	0.0026	0.0123	0.0067	0.0073	0.0035	0.0071	1.6303	1.6893
50 mph	0.0198	0.0027	0.0124	0.0069	0.0073	0.0035	0.0062	1.0982	1.1569
55 mph	0.0140	0.0019	0.0087	0.0046	0.0045	0.0021	0.0021	0.0039	0.0418
60 mph	0.0224	0.0030	0.0140	0.0061	0.0055	0.0025	0.0918	0.1763	0.3215
65 mph	0.0038	0.0005	0.0024	0.0012	0.0011	0.0005	-	-	0.0095
70 mph	0.0571	0.0078	0.0339	0.0282	0.0329	0.0149	-	-	0.1748
STREX	0.2345	0.0215	0.1205	0.1960	0.0217	0.0063	0.0266	0.0000	0.6272
total	0.8362	0.1019	0.4970	0.3691	0.4570	0.1859	0.4213	39.1397	**42.0082**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0248	0.0298	0.0339	0.0371	0.0129	0.0128	0.0317	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2345	0.0215	0.1205	0.1960	0.0217	0.0063	0.0266	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.2345	0.0215	0.1205	0.1960	0.0217	0.0063	0.0266	0.0000

World Logistics Center
Mobile Emissions - 2034 (Net) - Unmitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,014.20	4,695.68	11,857.67	19,303.13
10 mph	399.59	469.77	469.76	576.48	1,314.55	1,515.65	2,690.01	3,140.96
15 mph	326.66	384.10	384.02	471.12	1,074.35	1,237.81	2,202.48	2,576.96
20 mph	271.67	319.41	319.36	391.81	893.35	1,029.61	1,830.28	2,147.09
25 mph	232.24	273.08	273.06	335.14	763.50	879.72	1,565.40	1,839.11
30 mph	206.13	242.36	242.38	297.66	677.73	780.99	1,390.34	1,633.04
35 mph	191.18	224.73	224.79	276.29	628.55	724.52	1,290.09	1,512.67
40 mph	185.19	217.70	217.74	267.64	608.48	701.43	1,248.25	1,462.17
45 mph	186.24	218.83	218.82	268.91	610.70	703.96	1,253.62	1,463.39
50 mph	191.79	225.32	225.28	276.98	628.64	724.41	1,289.70	1,502.14
55 mph	199.22	234.00	234.04	287.85	654.27	753.88	1,340.64	1,559.67
60 mph	205.04	241.23	241.44	297.36	680.78	784.44	1,394.50	1,619.16
65 mph	210.12	247.55	247.84	305.67	701.39	807.90		
70 mph	213.14	250.72	250.69	311.44	709.81	815.35		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,249.28	5,259.33	5,446.62	4,805.37
10 mph	340.85	699.78	455.43	566.50	850.62	952.19	1,647.89	2,467.68
15 mph	280.35	581.81	377.70	480.36	554.18	632.26	1,295.92	1,864.94
20 mph	229.98	477.64	310.29	398.96	472.84	539.84	1,106.95	1,593.42
25 mph	192.79	398.92	260.15	337.60	419.20	480.89	965.95	1,328.11
30 mph	167.01	343.03	224.93	291.82	380.98	434.06	848.27	1,166.03
35 mph	151.00	307.24	202.96	265.07	381.53	434.71	757.84	1,054.70
40 mph	141.31	286.32	189.41	248.00	371.35	419.16	694.63	965.72
45 mph	136.51	276.20	182.62	238.68	362.40	403.14	658.48	915.92
50 mph	136.90	276.00	182.88	240.01	380.15	418.30	649.86	894.96
55 mph	143.24	288.92	191.21	253.22	396.74	432.36	668.71	928.03
60 mph	155.29	313.34	207.14	274.18	400.66	433.84	714.33	984.53
65 mph	174.62	349.20	232.60	308.23	406.42	435.71		
70 mph	189.44	363.76	249.83	334.37	411.70	442.40		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								4,981.70
10 mph								4,059.48
15 mph								3,406.10
20 mph								2,974.18
25 mph								2,742.55
30 mph								2,594.73
35 mph								2,477.72
40 mph								2,381.73
45 mph								2,300.97
50 mph								2,231.71
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	6,843.95	614.54	3,026.29	1,252.53	1,252.40	420.50	1,319.41	13.88	14,743.51
15 mph	2,237.96	200.99	989.57	409.44	409.42	137.37	360.09	3.80	4,748.64
20 mph	3,722.38	334.27	1,645.89	681.02	680.89	228.52	598.48	6.33	7,897.79
25 mph	15,910.89	1,428.96	7,036.45	2,912.64	2,909.63	976.28	2,815.29	29.81	34,019.94
30 mph	15,534.18	1,395.00	6,870.38	2,845.60	2,841.02	953.38	2,273.13	24.06	32,736.76
35 mph	11,787.78	1,058.35	5,213.31	2,161.03	2,155.80	723.64	949.16	10.03	24,059.09
40 mph	3,806.22	341.75	1,683.30	697.80	695.66	233.52	1,020.42	10.77	8,489.44
45 mph	3,189.76	286.27	1,409.69	584.27	581.83	195.31	819.84	8.63	7,075.60
50 mph	3,284.83	294.76	1,451.29	601.80	598.92	200.98	1,370.58	14.39	7,817.54
55 mph	2,729.76	244.89	1,206.17	500.34	498.67	167.32	328.78	3.45	5,679.37
60 mph	5,619.01	504.91	2,488.68	1,033.72	1,037.75	348.21	341.99	3.58	11,377.84
65 mph	719.77	64.77	319.33	132.83	133.65	44.83	-	-	1,415.17
70 mph	-	-	-	-	-	-	-	-	-
total	75,386.49	6,769.46	33,340.35	13,813.02	13,795.63	4,629.85	12,197.18	128.73	160,060.71

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	566.03	50.83	250.29	216.35	268.56	90.17	-	-	1,442.23
15 mph	462.73	41.56	204.61	176.81	219.49	73.64	-	-	1,178.83
20 mph	384.83	34.56	170.16	147.04	182.51	61.25	1,078.92	11.41	2,070.67
25 mph	657.96	59.09	290.98	251.55	311.96	104.67	1,614.86	17.10	3,308.17
30 mph	1,167.97	104.89	516.56	446.84	553.83	185.85	2,458.74	26.03	5,460.70
35 mph	2,437.29	218.83	1,077.92	933.19	1,155.69	387.93	2,281.46	24.11	8,516.42
40 mph	2,623.29	235.54	1,160.15	1,004.42	1,243.11	417.29	2,023.51	21.36	8,728.69
45 mph	2,110.49	189.41	932.72	807.36	998.12	335.04	1,477.97	15.55	6,866.65
50 mph	2,445.06	219.40	1,080.27	935.54	1,155.86	387.87	760.25	7.98	6,992.24
55 mph	1,411.04	126.59	623.48	540.15	668.32	224.25	395.14	4.14	3,993.11
60 mph	871.36	78.30	385.93	334.79	417.24	140.00	28,771.23	301.08	31,299.93
65 mph	297.65	26.78	132.05	114.72	143.29	48.06	-	-	762.55
70 mph	13,888.62	1,247.80	6,144.20	5,376.55	6,670.57	2,231.34	-	-	35,559.08
total	29,324.31	2,633.57	12,969.31	11,285.29	13,988.55	4,687.38	40,862.08	428.76	116,179.26

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	464.25	158.14	635.51	12.51	1,270.41
15 mph	3,729.44	334.94	1,649.06	592.77	623.83	209.30	575.42	6.07	7,720.83
25 mph	-	-	-	-	841.98	282.51	1,789.66	18.95	2,933.11
35 mph	9,391.06	843.16	4,153.33	1,374.45	-	-	-	-	15,762.00
total	13,120.50	1,178.10	5,802.39	1,967.23	1,930.06	649.96	3,000.59	37.52	27,686.35

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	464.25	158.14	635.51	12.51	1,270.41
10 mph	7,409.98	665.37	3,276.59	1,468.87	1,520.96	510.67	1,319.41	13.88	16,185.74
15 mph	6,430.13	577.48	2,843.24	1,179.03	1,252.74	420.31	935.51	9.87	13,648.30
20 mph	4,107.21	368.83	1,816.05	828.06	863.40	289.78	1,677.40	17.73	9,968.46
25 mph	16,568.85	1,488.05	7,327.42	3,164.19	4,063.57	1,363.46	6,219.81	65.86	40,261.22
30 mph	16,702.15	1,499.89	7,386.94	3,292.44	3,394.85	1,139.23	4,731.87	50.09	38,197.46
35 mph	23,616.12	2,120.34	10,444.56	4,468.67	3,311.49	1,111.57	3,230.61	34.14	48,337.51
40 mph	6,429.51	577.29	2,843.45	1,702.22	1,938.77	650.82	3,043.93	32.14	17,218.13
45 mph	5,300.25	475.68	2,342.41	1,391.63	1,579.95	530.35	2,297.81	24.17	13,942.25
50 mph	5,729.89	514.16	2,531.56	1,537.34	1,754.78	588.85	2,130.84	22.37	14,809.78
55 mph	4,140.79	371.48	1,829.65	1,040.49	1,166.99	391.57	723.93	7.59	9,672.48
60 mph	6,490.36	583.21	2,874.60	1,368.50	1,454.99	488.22	29,113.22	304.66	42,677.77
65 mph	1,017.42	91.55	451.38	247.54	276.94	92.89	-	-	2,177.73
70 mph	13,888.62	1,247.80	6,144.20	5,376.55	6,670.57	2,231.34	-	-	35,559.08
total	117,831.29	10,581.13	52,112.06	27,065.54	29,714.24	9,967.19	56,059.85	595.01	303,926.31

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	68.45	0.14	28.28	40.92	838.22	623.10	4,813.29	13,111.64	19,524.02
15 mph	22.52	0.05	9.38	13.88	218.44	165.49	1,261.75	3,303.02	4,994.53
20 mph	36.95	0.08	15.41	23.05	372.76	282.61	2,155.51	5,644.24	8,530.61
25 mph	154.86	0.31	64.61	97.54	1,652.34	1,258.74	10,345.26	25,874.62	39,448.29
30 mph	147.57	0.30	61.44	92.74	1,651.85	1,249.77	8,259.00	20,651.68	32,114.35
35 mph	109.16	0.22	45.36	68.92	1,353.47	1,024.09	3,320.34	8,405.99	14,327.56
40 mph	34.05	0.07	14.11	21.50	439.13	329.15	3,381.55	8,551.97	12,771.52
45 mph	27.41	0.05	11.34	17.24	357.12	263.81	2,564.46	6,488.82	9,730.26
50 mph	27.49	0.05	11.35	17.34	374.61	273.73	4,112.72	10,302.94	15,120.24
55 mph	23.01	0.05	9.50	14.63	312.77	226.34	976.61	2,465.47	4,028.37
60 mph	49.89	0.10	20.58	31.69	631.70	454.23	1,043.24	2,615.58	4,847.02
65 mph	7.01	0.01	2.89	4.45	80.10	57.02	-	-	151.49
70 mph	-	-	-	-	-	-	-	-	-
total	708.38	1.42	294.25	443.89	8,282.51	6,208.08	42,233.75	107,415.97	165,588.25

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	5.66	0.01	2.34	7.07	179.74	133.61	-	-	328.43
15 mph	4.66	0.01	1.94	5.99	117.10	88.72	-	-	218.42
20 mph	3.82	0.01	1.59	4.98	99.92	75.75	3,885.85	10,175.18	14,247.09
25 mph	6.40	0.01	2.67	8.42	177.16	134.96	5,934.08	14,841.77	21,105.48
30 mph	11.10	0.02	4.62	14.56	322.01	243.63	8,933.37	22,337.93	31,867.24
35 mph	22.57	0.05	9.38	29.76	725.58	549.00	7,981.01	20,205.23	29,522.58
40 mph	23.47	0.05	9.73	30.94	784.70	588.18	6,705.71	16,958.80	25,101.56
45 mph	18.14	0.04	7.50	23.82	612.63	452.56	4,623.10	11,697.75	17,435.53
50 mph	20.46	0.04	8.45	26.95	722.96	528.28	2,281.30	5,714.97	9,303.41
55 mph	11.90	0.02	4.91	15.80	419.17	303.35	1,173.73	2,963.09	4,891.96
60 mph	7.74	0.02	3.19	10.26	253.99	182.63	87,766.61	220,044.44	308,268.86
65 mph	2.90	0.01	1.19	3.85	85.88	61.14	-	-	154.96
70 mph	144.73	0.27	59.01	191.89	4,001.81	2,855.61	-	-	7,253.32
total	283.54	0.55	116.52	374.29	8,502.65	6,197.41	129,284.74	324,939.15	469,698.86

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	388.68	417.78	1,738.35	2,789.91	5,334.73
15 mph	37.53	0.08	15.63	20.09	332.84	252.16	2,016.23	5,278.12	7,952.67
25 mph	-	-	-	-	478.15	364.25	6,576.42	16,448.34	23,867.16
35 mph	86.97	0.17	36.14	43.84	-	-	-	-	167.12
total	124.49	0.25	51.77	63.93	1,199.67	1,034.19	10,331.00	24,516.37	37,321.67

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	388.68	417.78	1,738.35	2,789.91	5,334.73
10 mph	74.11	0.15	30.61	47.99	1,017.96	756.71	4,813.29	13,111.64	19,852.45
15 mph	64.70	0.13	26.95	39.96	668.38	506.38	3,277.98	8,581.14	13,165.62
20 mph	40.77	0.08	17.00	28.03	472.67	358.36	6,041.36	15,819.42	22,777.70
25 mph	161.27	0.33	67.28	105.96	2,307.66	1,757.95	22,855.76	57,164.73	84,420.93
30 mph	158.66	0.32	66.06	107.31	1,973.87	1,493.40	17,192.37	42,989.61	63,981.60
35 mph	218.70	0.44	90.88	142.52	2,079.05	1,573.09	11,301.36	28,611.22	44,017.26
40 mph	57.52	0.11	23.84	52.44	1,223.82	917.32	10,087.26	25,510.76	37,873.08
45 mph	45.55	0.09	18.84	41.06	969.75	716.37	7,187.56	18,186.57	27,165.79
50 mph	47.95	0.09	19.81	44.29	1,097.57	802.01	6,394.03	16,017.91	24,423.65
55 mph	34.91	0.07	14.41	30.43	731.94	529.69	2,150.34	5,428.55	8,920.33
60 mph	57.63	0.11	23.77	41.95	885.69	636.86	88,809.85	222,660.01	313,115.88
65 mph	9.91	0.02	4.08	8.30	165.98	118.16	-	-	306.45
70 mph	144.73	0.27	59.01	191.89	4,001.81	2,855.61	-	-	7,253.32
total	1,116.41	2.22	462.54	882.11	17,984.83	13,439.68	181,849.49	456,871.50	672,608.79

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1,504.14	1,504.14
15 mph								420.68	420.68
20 mph								734.67	734.67
25 mph								3,725.99	3,725.99
30 mph								3,204.71	3,204.71
35 mph								1,377.08	1,377.08
40 mph								1,470.82	1,470.82
45 mph								1,136.75	1,136.75
50 mph								1,791.62	1,791.62
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	15,366.46	15,366.46

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1,324.43	1,324.43
25 mph								2,137.24	2,137.24
30 mph								3,466.38	3,466.38
35 mph								3,310.05	3,310.05
40 mph								2,916.67	2,916.67
45 mph								2,049.29	2,049.29
50 mph								993.80	993.80
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	10,238.10	10,238.10

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								201.69	201.69
15 mph								672.23	672.23
25 mph								2,368.59	2,368.59
35 mph								-	-
total	-	-	-	-	-	-	-	3,242.52	3,242.52

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								201.69	201.69
10 mph								1,504.14	1,504.14
15 mph								1,092.92	1,092.92
20 mph								2,059.10	2,059.10
25 mph								8,231.83	8,231.83
30 mph								6,671.08	6,671.08
35 mph								4,687.13	4,687.13
40 mph								4,387.49	4,387.49
45 mph								3,186.04	3,186.04
50 mph								2,785.42	2,785.42
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	34,806.84	34,806.84

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	852.93	575.92	2,373.86	3,004.11	6,806.83
10 mph	7,484.09	665.52	3,307.20	1,516.86	2,538.92	1,267.38	6,132.70	14,629.66	37,542.32
15 mph	6,494.83	577.61	2,870.19	1,218.99	1,921.12	926.68	4,213.49	9,683.92	27,906.83
20 mph	4,147.98	368.91	1,833.05	856.09	1,336.07	648.14	7,718.76	17,896.26	34,805.26
25 mph	16,730.12	1,488.38	7,394.70	3,270.15	6,371.23	3,121.41	29,075.58	65,462.42	132,913.98
30 mph	16,860.81	1,500.21	7,453.01	3,399.74	5,368.71	2,632.63	21,924.24	49,710.79	108,850.14
35 mph	23,834.82	2,120.78	10,535.44	4,611.20	5,390.55	2,684.65	14,531.97	33,332.50	97,041.90
40 mph	6,487.03	577.41	2,867.29	1,754.66	3,162.60	1,568.14	13,131.18	29,930.39	59,478.69
45 mph	5,345.80	475.77	2,361.25	1,432.69	2,549.70	1,246.72	9,485.37	21,396.78	44,294.08
50 mph	5,777.85	514.25	2,551.37	1,581.62	2,852.34	1,390.86	8,524.86	18,825.71	42,018.86
55 mph	4,175.70	371.54	1,844.06	1,070.91	1,898.93	921.26	2,874.27	5,436.14	18,592.81
60 mph	6,548.00	583.32	2,898.37	1,410.45	2,340.68	1,125.08	117,923.07	222,964.67	355,793.65
65 mph	1,027.33	91.57	455.47	255.84	442.92	211.05	-	-	2,484.18
70 mph	14,033.35	1,248.08	6,203.21	5,568.44	10,672.38	5,086.95	-	-	42,812.40
STREX	399.28	35.99	181.13	330.90	27.99	9.31	26.89	0.29	1,011.78
total	119,346.99	10,619.34	52,755.73	28,278.55	47,727.05	23,416.18	237,936.24	492,273.64	**1,012,353.72**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	42.19	49.79	50.88	62.60	16.63	19.00	32.13	38.22
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	399.28	35.99	181.13	330.90	27.99	9.31	26.89	0.29
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	399.28	35.99	181.13	330.90	27.99	9.31	26.89	0.29

World Logistics Center
Mobile Emissions - 2035 Buildout (Net) - Unmitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
44.60	1,361.33	867.32	9.63	12.79	232.45	142.30	387.54	12.20	57.06	55.72	124.98	9.27	118.45	43.70	1,039,878.11

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
8.14	248.44	158.29	1.76	2.33	42.42	25.97	70.73	2.23	10.41	10.17	22.81	1.69	21.62	7.97	189,777.75

World Logistics Center
Mobile Emissions - 2035 Buildout (Net) - Unmitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	4,601.62	54.48	258.79	239,389.66	2,834.22	13,463.09
LDT1	351.67	0.05	10.90	18,294.94	2.70	567.11
LDT2	1,731.37	16.85	66.53	90,070.71	876.68	3,461.24
MDT	2,478.94	83.41	104.44	37,981.13	1,277.95	1,600.15
LHDT1	783.52	825.23	-	18,432.26	19,413.42	-
LHDT2	227.63	545.82	-	5,354.90	12,840.52	-
MHDT	392.44	2,348.21	-	17,679.65	105,789.29	-
HHDT	3.64	4,263.89	302.36	163.94	192,092.46	13,621.78

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	169,356.18	2,005.07	9,524.46	70,033.48	829.15	3,938.63
LDT1	12,942.76	1.91	401.20	5,352.19	0.79	165.91
LDT2	63,720.51	620.20	2,448.66	26,350.20	256.47	1,012.59
MDT	20,379.98	685.72	858.61	17,601.15	592.23	741.54
LHDT1	8,895.13	9,368.63	-	9,537.12	10,044.79	-
LHDT2	2,584.20	6,196.65	-	2,770.70	6,643.88	-
MHDT	3,838.81	22,970.18	-	13,840.84	82,819.12	-
HHDT	35.60	41,709.30	2,957.72	128.35	150,383.16	10,664.06

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	8,467.81	647.14	3,186.03	1,019.00	444.76	129.21	230.33	2.14	14,126.40
15 mph	3,387.12	258.86	1,274.41	407.60	177.90	51.68	76.78	0.71	5,635.06
20 mph	6,774.25	517.71	2,548.82	815.20	355.81	103.37	153.55	1.42	11,270.13
25 mph	33,871.24	2,588.55	12,744.10	4,076.00	1,779.03	516.84	844.54	7.83	56,428.12
30 mph	37,258.36	2,847.41	14,018.51	4,483.60	1,956.93	568.52	767.76	7.12	61,908.21
35 mph	30,484.11	2,329.70	11,469.69	3,668.40	1,601.12	465.16	345.49	3.20	50,366.87
40 mph	10,161.37	776.57	3,823.23	1,222.80	533.71	155.05	383.88	3.56	17,060.17
45 mph	8,467.81	647.14	3,186.03	1,019.00	444.76	129.21	307.10	2.85	14,203.89
50 mph	8,467.81	647.14	3,186.03	1,019.00	444.76	129.21	499.04	4.63	14,397.61
55 mph	6,774.25	517.71	2,548.82	815.20	355.81	103.37	115.16	1.07	11,231.38
60 mph	13,548.49	1,035.42	5,097.64	1,630.40	711.61	206.74	115.16	1.07	22,346.53
65 mph	1,693.56	129.43	637.21	203.80	88.95	25.84	-	-	2,778.79
70 mph	-	-	-	-	-	-	-	-	-
total	169,356.18	12,942.76	63,720.51	20,379.98	8,895.13	2,584.20	3,838.81	35.60	281,753.17

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	700.33	53.52	263.50	176.01	95.37	27.71	-	-	1,316.45
15 mph	700.33	53.52	263.50	176.01	95.37	27.71	-	-	1,316.45
20 mph	700.33	53.52	263.50	176.01	95.37	27.71	276.82	2.57	1,595.83
25 mph	1,400.67	107.04	527.00	352.02	190.74	55.41	484.43	4.49	3,121.82
30 mph	2,801.34	214.09	1,054.01	704.05	381.48	110.83	830.45	7.70	6,103.95
35 mph	6,303.01	481.70	2,371.52	1,584.10	858.34	249.36	830.45	7.70	12,686.19
40 mph	7,003.35	535.22	2,635.02	1,760.11	953.71	277.07	761.25	7.06	13,932.79
45 mph	5,602.68	428.18	2,108.02	1,408.09	762.97	221.66	553.63	5.13	11,090.36
50 mph	6,303.01	481.70	2,371.52	1,584.10	858.34	249.36	276.82	2.57	12,127.42
55 mph	3,501.67	267.61	1,317.51	880.06	476.86	138.54	138.41	1.28	6,721.93
60 mph	2,101.00	160.57	790.51	528.03	286.11	83.12	9,688.59	89.84	13,727.78
65 mph	700.33	53.52	263.50	176.01	95.37	27.71	-	-	1,316.45
70 mph	32,215.40	2,462.01	12,121.09	8,096.53	4,387.08	1,274.52	-	-	60,556.63
total	70,033.48	5,352.19	26,350.20	17,601.15	9,537.12	2,770.70	13,840.84	128.35	145,614.04

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	53.83	15.64	25.07	0.31	94.85
15 mph	5,353.94	409.17	2,014.43	589.88	270.26	78.52	122.23	1.13	8,839.56
25 mph	-	-	-	-	513.28	149.12	534.87	4.96	1,202.22
35 mph	23,036.03	1,760.49	8,667.34	2,332.27	-	-	-	-	35,796.12
total	28,389.97	2,169.65	10,681.77	2,922.15	783.54	227.63	657.10	6.09	45,837.90

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	53.83	15.64	25.07	0.31	94.85
10 mph	9,168.14	700.66	3,449.53	1,195.01	540.13	156.92	230.33	2.14	15,442.85
15 mph	9,441.40	721.54	3,552.34	1,173.49	543.54	157.91	199.00	1.85	15,791.07
20 mph	7,474.58	571.23	2,812.32	991.21	451.18	131.07	430.37	3.99	12,865.96
25 mph	35,271.91	2,695.59	13,271.11	4,428.02	2,483.05	721.37	1,863.83	17.28	60,752.16
30 mph	40,059.70	3,061.49	15,072.52	5,187.64	2,338.41	679.35	1,598.21	14.82	68,012.15
35 mph	59,823.15	4,571.88	22,508.55	7,584.77	2,459.47	714.52	1,175.94	10.90	98,849.18
40 mph	17,164.72	1,311.78	6,458.25	2,982.91	1,487.42	432.12	1,145.13	10.62	30,992.96
45 mph	14,070.49	1,075.31	5,294.04	2,427.09	1,207.73	350.87	860.74	7.98	25,294.25
50 mph	14,770.82	1,128.83	5,557.54	2,603.10	1,303.10	378.57	775.86	7.19	26,525.03
55 mph	10,275.92	785.32	3,866.33	1,695.26	832.66	241.90	253.57	2.35	17,953.32
60 mph	15,649.50	1,195.99	5,888.15	2,158.43	997.72	289.86	9,803.76	90.91	36,074.31
65 mph	2,393.90	182.95	900.71	379.81	184.32	53.55	-	-	4,095.24
70 mph	32,215.40	2,462.01	12,121.09	8,096.53	4,387.08	1,274.52	-	-	60,556.63
total	267,779.63	20,464.60	100,752.48	40,903.28	19,215.80	5,582.53	18,336.75	170.04	473,205.10

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	100.25	0.10	31.01	34.29	468.43	309.83	1,378.21	2,502.56	4,824.68
15 mph	40.10	0.04	12.40	13.71	187.37	123.93	459.40	834.19	1,671.15
20 mph	80.20	0.08	24.81	27.43	374.75	247.87	918.81	1,668.37	3,342.31
25 mph	401.01	0.38	124.04	137.14	1,873.73	1,239.33	5,053.44	9,176.05	18,005.12
30 mph	441.12	0.42	136.45	150.86	2,061.10	1,363.26	4,594.04	8,341.86	17,089.10
35 mph	360.91	0.34	111.64	123.43	1,686.35	1,115.40	2,067.32	3,753.84	9,219.23
40 mph	120.30	0.11	37.21	41.14	562.12	371.80	2,297.02	4,170.93	7,600.64
45 mph	100.25	0.10	31.01	34.29	468.43	309.83	1,837.61	3,336.74	6,118.27
50 mph	100.25	0.10	31.01	34.29	468.43	309.83	2,986.12	5,422.21	9,352.24
55 mph	80.20	0.08	24.81	27.43	374.75	247.87	689.11	1,251.28	2,695.51
60 mph	160.41	0.15	49.62	54.86	749.49	495.73	689.11	1,251.28	3,450.64
65 mph	20.05	0.02	6.20	6.86	93.69	61.97	-	-	188.78
70 mph	-	-	-	-	-	-	-	-	-
total	2,005.07	1.91	620.20	685.72	9,368.63	6,196.65	22,970.18	41,709.30	83,557.66

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	8.29	0.01	2.56	5.92	100.45	66.44	-	-	183.67
15 mph	8.29	0.01	2.56	5.92	100.45	66.44	-	-	183.67
20 mph	8.29	0.01	2.56	5.92	100.45	66.44	1,656.38	3,007.66	4,847.72
25 mph	16.58	0.02	5.13	11.84	200.90	132.88	2,898.67	5,263.41	8,529.43
30 mph	33.17	0.03	10.26	23.69	401.79	265.76	4,969.15	9,022.99	14,726.83
35 mph	74.62	0.07	23.08	53.30	904.03	597.95	4,969.15	9,022.99	15,645.19
40 mph	82.92	0.08	25.65	59.22	1,004.48	664.39	4,555.05	8,271.07	14,662.86
45 mph	66.33	0.06	20.52	47.38	803.58	531.51	3,312.76	6,015.33	10,797.48
50 mph	74.62	0.07	23.08	53.30	904.03	597.95	1,656.38	3,007.66	6,317.10
55 mph	41.46	0.04	12.82	29.61	502.24	332.19	828.19	1,503.83	3,250.39
60 mph	24.87	0.02	7.69	17.77	301.34	199.32	57,973.38	105,268.21	163,792.61
65 mph	8.29	0.01	2.56	5.92	100.45	66.44	-	-	183.67
70 mph	381.41	0.36	117.98	272.42	4,620.60	3,056.18	-	-	8,448.96
total	829.15	0.79	256.47	592.23	10,044.79	6,643.88	82,819.12	150,383.16	251,569.58

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	56.69	37.50	150.03	272.43	516.66
15 mph	63.39	0.06	19.61	19.85	284.65	188.27	731.38	1,328.03	2,635.23
25 mph	-	-	-	-	540.60	357.57	3,200.47	5,811.42	9,910.06
35 mph	272.73	0.26	84.36	78.47	-	-	-	-	435.83
total	336.12	0.32	103.97	98.32	825.25	545.84	3,931.84	7,139.45	12,981.12

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	56.69	37.50	150.03	272.43	516.66
10 mph	108.55	0.10	33.57	40.21	568.88	376.27	1,378.21	2,502.56	5,008.35
15 mph	111.78	0.11	34.58	39.48	572.47	378.64	1,190.78	2,162.22	4,490.06
20 mph	88.49	0.08	27.37	33.35	475.19	314.30	2,575.19	4,676.04	8,190.03
25 mph	417.60	0.40	129.17	148.99	2,615.22	1,729.77	11,152.58	20,250.88	36,444.61
30 mph	474.28	0.45	146.70	174.55	2,462.89	1,629.02	9,563.18	17,364.85	31,815.93
35 mph	708.27	0.68	219.08	255.20	2,590.38	1,713.35	7,036.46	12,776.83	25,300.25
40 mph	203.22	0.19	62.86	100.37	1,566.60	1,036.19	6,852.07	12,442.00	22,263.49
45 mph	166.59	0.16	51.53	81.66	1,272.01	841.34	5,150.38	9,352.07	16,915.74
50 mph	174.88	0.17	54.09	87.59	1,372.46	907.78	4,642.51	8,429.87	15,669.34
55 mph	121.66	0.12	37.63	57.04	876.98	580.06	1,517.30	2,755.11	5,945.90
60 mph	185.28	0.18	57.31	72.62	1,050.83	695.05	58,662.49	106,519.49	167,243.25
65 mph	28.34	0.03	8.77	12.78	194.13	128.41	-	-	372.45
70 mph	381.41	0.36	117.98	272.42	4,620.60	3,056.18	-	-	8,448.96
total	3,170.34	3.02	980.64	1,376.27	20,238.67	13,386.36	109,721.14	199,231.91	348,108.36

Surface Street VMT Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	476.22	20.06	122.43	42.93	-	-	-	177.46	839.11
15 mph	190.49	8.02	48.97	17.17	-	-	-	59.15	323.81
20 mph	380.98	16.05	97.95	34.34	-	-	-	118.31	647.63
25 mph	1,904.89	80.24	489.73	171.72	-	-	-	650.70	3,297.28
30 mph	2,095.38	88.26	538.70	188.89	-	-	-	591.54	3,502.79
35 mph	1,714.40	72.22	440.76	154.55	-	-	-	266.19	2,648.12
40 mph	571.47	24.07	146.92	51.52	-	-	-	295.77	1,089.75
45 mph	476.22	20.06	122.43	42.93	-	-	-	236.62	898.26
50 mph	476.22	20.06	122.43	42.93	-	-	-	384.50	1,046.15
55 mph	380.98	16.05	97.95	34.34	-	-	-	88.73	618.05
60 mph	761.96	32.10	195.89	68.69	-	-	-	88.73	1,147.37
65 mph	95.24	4.01	24.49	8.59	-	-	-	-	132.33
70 mph	-	-	-	-	-	-	-	-	-
total	9,524.46	401.20	2,448.66	858.61	-	-	-	2,957.72	16,190.64

Freeway VMT Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	39.39	1.66	10.13	7.42	-	-	-	-	58.59
15 mph	39.39	1.66	10.13	7.42	-	-	-	-	58.59
20 mph	39.39	1.66	10.13	7.42	-	-	-	213.28	271.87
25 mph	78.77	3.32	20.25	14.83	-	-	-	373.24	490.42
30 mph	157.55	6.64	40.50	29.66	-	-	-	639.84	874.19
35 mph	354.48	14.93	91.13	66.74	-	-	-	639.84	1,167.12
40 mph	393.86	16.59	101.26	74.15	-	-	-	586.52	1,172.39
45 mph	315.09	13.27	81.01	59.32	-	-	-	426.56	895.26
50 mph	354.48	14.93	91.13	66.74	-	-	-	213.28	740.56
55 mph	196.93	8.30	50.63	37.08	-	-	-	106.64	399.57
60 mph	118.16	4.98	30.38	22.25	-	-	-	7,464.84	7,640.60
65 mph	39.39	1.66	10.13	7.42	-	-	-	-	58.59
70 mph	1,811.77	76.32	465.79	341.11	-	-	-	-	2,694.98
total	3,938.63	165.91	1,012.59	741.54	-	-	-	10,664.06	16,522.72

Internal VMT Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	19.32	19.32
15 mph	301.10	12.68	77.41	24.85	-	-	-	94.17	510.22
25 mph	-	-	-	-	-	-	-	412.10	412.10
35 mph	1,295.53	54.57	333.07	98.26	-	-	-	-	1,781.43
total	1,596.63	67.25	410.48	123.11	-	-	-	506.28	2,703.75

Total VMT Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	19.32	19.32
10 mph	515.61	21.72	132.56	50.35	-	-	-	177.46	897.70
15 mph	530.98	22.37	136.51	49.44	-	-	-	153.33	892.62
20 mph	420.36	17.71	108.07	41.76	-	-	-	331.59	919.49
25 mph	1,983.67	83.56	509.98	186.55	-	-	-	1,436.04	4,199.80
30 mph	2,252.93	94.90	579.21	218.56	-	-	-	1,231.39	4,376.98
35 mph	3,364.41	141.72	864.96	319.55	-	-	-	906.04	5,596.67
40 mph	965.33	40.66	248.18	125.67	-	-	-	882.29	2,262.14
45 mph	791.31	33.33	203.44	102.25	-	-	-	663.18	1,793.52
50 mph	830.70	34.99	213.57	109.67	-	-	-	597.78	1,786.71
55 mph	577.91	24.34	148.58	71.42	-	-	-	195.37	1,017.62
60 mph	880.12	37.07	226.27	90.94	-	-	-	7,553.57	8,787.97
65 mph	134.63	5.67	34.61	16.00	-	-	-	-	190.92
70 mph	1,811.77	76.32	465.79	341.11	-	-	-	-	2,694.98
total	9,067.95	381.97	2,331.29	866.20	-	-	-	4,235.85	35,417.12

World Logistics Center
Mobile Emissions - 2035 Buildout (Net) - Unmitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	26957	330	0.21	5661.1	5300.2	62.8	298.1
	LDT1	15	1989	330	0.21	417.7	405.1	0.1	12.6
	LDT2	15	9954	330	0.21	2090.3	1994.2	19.4	76.6
	MDT	15	2999	330	0.21	629.8	585.4	19.7	24.7
	LHDT1	15	2635	330	0.21	553.3	269.5	283.8	0.0
	LHDT2	15	1267	330	0.21	266.0	78.3	187.7	0.0
	MHDT	15	4034	330	0.21	847.1	121.3	725.8	0.0
	HHDT	15	6726	330	0.21	1412.5	1.1	1317.9	93.5
Travel at Light Logistics	LDA	15	194	175	0.11	21.3	19.9	0.2	1.1
	LDT1	15	14	175	0.11	1.6	1.5	0.0	0.0
	LDT2	15	72	175	0.11	7.9	7.5	0.1	0.3
	MDT	15	18	175	0.11	2.0	1.9	0.1	0.1
	LHDT1	15	11	175	0.11	1.2	0.6	0.6	0.0
	LHDT2	15	5	175	0.11	0.6	0.2	0.4	0.0
	MHDT	15	13	175	0.11	1.4	0.2	1.2	0.0
	HHDT	15	22	175	0.11	2.4	0.0	2.2	0.2
Travel at Utility	LDA	15	219	100	0.06	13.1	12.3	0.1	0.7
	LDT1	15	16	100	0.06	1.0	0.9	0.0	0.0
	LDT2	15	81	100	0.06	4.9	4.6	0.0	0.2
	MDT	15	47	100	0.06	2.8	2.6	0.1	0.1
	LHDT1	15	7	100	0.06	0.4	0.2	0.2	0.0
	LHDT2	15	3	100	0.06	0.2	0.1	0.1	0.0
	MHDT	15	14	100	0.06	0.8	0.1	0.7	0.0
	HHDT	15	23	100	0.06	1.4	0.0	1.3	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	142	50	0.03	4.3	0.6	3.7	0.0
	HHDT	15	237	50	0.03	7.1	0.0	6.6	0.5
Travel at Convenience Store	LDA	15	669	50	0.03	20.1	18.8	0.2	1.1
	LDT1	15	49	50	0.03	1.5	1.4	0.0	0.0
	LDT2	15	247	50	0.03	7.4	7.1	0.1	0.3
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	95	50	0.03	2.8	2.7	0.0	0.1
	LDT1	15	7	50	0.03	0.2	0.2	0.0	0.0
	LDT2	15	35	50	0.03	1.1	1.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5353.9	409.2	2014.4	589.9	270.3	78.5	122.2	1.1
Diesel	63.4	0.1	19.6	19.8	284.6	188.3	731.4	1328.0
Electric/Natural Gas (HHDT)	301.1	12.7	77.4	24.9	0.0	0.0	0.0	94.2

World Logistics Center
Mobile Emissions - 2035 Buildout (Net) - Unmitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	1317	642	676	0	3208.2	3378.9	0.0
	LHDT2	5	633	186	447	0	932.0	2234.9	0.0
	MHDT	5	2017	289	1728	0	1444.0	8640.4	0.0
	HHDT	5	3363	3	3138	223	13.4	15689.2	1112.6
Travel at Light Logistics	LHDT1	5	5	3	3	0	12.9	13.6	0.0
	LHDT2	5	3	1	2	0	3.7	9.0	0.0
	MHDT	5	7	1	6	0	4.7	27.9	0.0
	HHDT	5	11	0	10	1	0.0	50.7	3.6
Travel at Utility	LHDT1	5	4	2	2	0	8.7	9.1	0.0
	LHDT2	5	2	1	1	0	2.5	6.0	0.0
	MHDT	5	7	1	6	0	4.9	29.1	0.0
	HHDT	5	11	0	11	1	0.0	52.8	3.7
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	71	10	61	0	50.9	304.6	0.0
	HHDT	5	119	0	111	8	0.5	553.2	39.2
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	53.8	15.6	25.1	0.3
Diesel	56.7	37.5	150.0	272.4
Electric/Natural Gas (HHDT)	0.0	0.0	0.0	19.3

World Logistics Center
Mobile Emissions - 2035 Buildout (Net) - Unmitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					12.7986	12.9950	27.1841	10.4327
10 mph	0.0109	0.0198	0.0203	0.0225	0.0208	0.0183	0.0470	1.3118
15 mph	0.0072	0.0133	0.0136	0.0150	0.0136	0.0121	0.0313	0.8720
20 mph	0.0051	0.0094	0.0096	0.0106	0.0096	0.0085	0.0219	0.6104
25 mph	0.0037	0.0070	0.0071	0.0078	0.0071	0.0062	0.0162	0.4509
30 mph	0.0029	0.0054	0.0055	0.0061	0.0055	0.0049	0.0126	0.3512
35 mph	0.0024	0.0045	0.0045	0.0050	0.0045	0.0040	0.0103	0.2887
40 mph	0.0021	0.0039	0.0039	0.0044	0.0039	0.0035	0.0090	0.2507
45 mph	0.0019	0.0036	0.0036	0.0040	0.0036	0.0032	0.0082	0.2296
50 mph	0.0018	0.0034	0.0034	0.0038	0.0035	0.0031	0.0079	0.2216
55 mph	0.0019	0.0035	0.0035	0.0039	0.0035	0.0031	0.0080	0.2251
60 mph	0.0020	0.0036	0.0036	0.0041	0.0038	0.0033	0.0086	0.2405
65 mph	0.0022	0.0040	0.0040	0.0045	0.0043	0.0037		
70 mph	0.0024	0.0045	0.0042	0.0050	0.0048	0.0040		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5058	2.3642
10 mph	0.0681	0.2055	0.1974	0.0778	0.5591	0.5616	0.0338	0.0804
15 mph	0.0332	0.1062	0.0964	0.0381	0.2761	0.2780	0.0187	0.0448
20 mph	0.0130	0.0476	0.0375	0.0149	0.1114	0.1129	0.0127	0.0284
25 mph	0.0078	0.0307	0.0225	0.0090	0.0683	0.0695	0.0099	0.0231
30 mph	0.0059	0.0235	0.0170	0.0068	0.0522	0.0532	0.0080	0.0187
35 mph	0.0047	0.0187	0.0135	0.0054	0.0423	0.0431	0.0066	0.0154
40 mph	0.0039	0.0159	0.0111	0.0045	0.0354	0.0362	0.0057	0.0132
45 mph	0.0033	0.0141	0.0094	0.0038	0.0306	0.0313	0.0052	0.0122
50 mph	0.0029	0.0127	0.0082	0.0033	0.0272	0.0280	0.0052	0.0122
55 mph	0.0025	0.0121	0.0072	0.0029	0.0245	0.0253	0.0057	0.0135
60 mph	0.0024	0.0123	0.0068	0.0028	0.0238	0.0246	0.0067	0.0157
65 mph	0.0024	0.0124	0.0068	0.0028	0.0250	0.0260		
70 mph	0.0025	0.0089	0.0068	0.0029	0.0336	0.0343		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0407
10 mph								0.2888
15 mph								0.1877
20 mph								0.1254
25 mph								0.0923
30 mph								0.0696
35 mph								0.0526
40 mph								0.0401
45 mph								0.0308
50 mph								0.0241
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.2030	0.0283	0.1423	0.0505	0.0204	0.0052	0.0239	0.0062	0.4798
15 mph	0.0540	0.0076	0.0382	0.0135	0.0054	0.0014	0.0053	0.0014	0.1266
20 mph	0.0757	0.0107	0.0538	0.0190	0.0075	0.0019	0.0074	0.0019	0.1781
25 mph	0.2787	0.0398	0.1986	0.0705	0.0277	0.0071	0.0301	0.0078	0.6604
30 mph	0.2380	0.0342	0.1695	0.0604	0.0237	0.0061	0.0213	0.0055	0.5587
35 mph	0.1594	0.0229	0.1131	0.0406	0.0160	0.0041	0.0079	0.0020	0.3659
40 mph	0.0461	0.0066	0.0327	0.0117	0.0046	0.0012	0.0076	0.0020	0.1126
45 mph	0.0353	0.0051	0.0250	0.0090	0.0035	0.0009	0.0056	0.0014	0.0858
50 mph	0.0341	0.0049	0.0240	0.0086	0.0034	0.0009	0.0087	0.0023	0.0869
55 mph	0.0277	0.0039	0.0194	0.0070	0.0028	0.0007	0.0020	0.0005	0.0641
60 mph	0.0584	0.0083	0.0408	0.0147	0.0059	0.0015	0.0022	0.0006	0.1324
65 mph	0.0082	0.0011	0.0056	0.0020	0.0008	0.0002	-	-	0.0180
70 mph	-	-	-	-	-	-	-	-	-
total	1.2185	0.1735	0.8630	0.3076	0.1218	0.0313	0.1220	0.0316	2.8693

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0168	0.0023	0.0118	0.0087	0.0044	0.0011	-	-	0.0451
15 mph	0.0112	0.0016	0.0079	0.0058	0.0029	0.0007	-	-	0.0300
20 mph	0.0078	0.0011	0.0056	0.0041	0.0020	0.0005	0.0134	0.0035	0.0380
25 mph	0.0115	0.0016	0.0082	0.0061	0.0030	0.0008	0.0173	0.0045	0.0530
30 mph	0.0179	0.0026	0.0127	0.0095	0.0046	0.0012	0.0230	0.0060	0.0775
35 mph	0.0329	0.0047	0.0234	0.0175	0.0086	0.0022	0.0189	0.0049	0.1132
40 mph	0.0318	0.0046	0.0225	0.0169	0.0083	0.0021	0.0150	0.0039	0.1052
45 mph	0.0234	0.0034	0.0165	0.0124	0.0061	0.0016	0.0100	0.0026	0.0759
50 mph	0.0254	0.0036	0.0178	0.0134	0.0066	0.0017	0.0048	0.0013	0.0747
55 mph	0.0143	0.0020	0.0100	0.0076	0.0037	0.0010	0.0025	0.0006	0.0417
60 mph	0.0091	0.0013	0.0063	0.0048	0.0024	0.0006	0.1836	0.0477	0.2556
65 mph	0.0034	0.0005	0.0023	0.0018	0.0009	0.0002	-	-	0.0091
70 mph	0.1721	0.0246	0.1111	0.0892	0.0469	0.0111	-	-	0.4550
total	0.3775	0.0539	0.2563	0.1978	0.1003	0.0248	0.2885	0.0748	1.3739

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.5191	0.4481	1.5030	0.0071	3.4773
15 mph	0.0853	0.0120	0.0603	0.0195	0.0081	0.0021	0.0084	0.0022	0.1980
25 mph	-	-	-	-	0.0080	0.0021	0.0191	0.0049	0.0341
35 mph	0.1204	0.0173	0.0854	0.0258	-	-	-	-	0.2490
total	0.2057	0.0293	0.1458	0.0453	1.5352	0.4522	1.5305	0.0142	3.9583

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.5191	0.4481	1.5030	0.0071	3.4773
10 mph	0.2198	0.0306	0.1540	0.0593	0.0248	0.0063	0.0239	0.0062	0.5249
15 mph	0.1504	0.0211	0.1064	0.0388	0.0164	0.0042	0.0137	0.0035	0.3546
20 mph	0.0835	0.0118	0.0594	0.0232	0.0095	0.0025	0.0208	0.0054	0.2160
25 mph	0.2902	0.0415	0.2069	0.0766	0.0386	0.0099	0.0665	0.0172	0.7474
30 mph	0.2559	0.0367	0.1823	0.0699	0.0283	0.0073	0.0444	0.0115	0.6363
35 mph	0.3127	0.0450	0.2219	0.0839	0.0246	0.0063	0.0268	0.0069	0.7281
40 mph	0.0779	0.0112	0.0552	0.0287	0.0129	0.0033	0.0226	0.0059	0.2177
45 mph	0.0587	0.0084	0.0415	0.0214	0.0096	0.0025	0.0156	0.0040	0.1618
50 mph	0.0595	0.0085	0.0418	0.0221	0.0100	0.0026	0.0135	0.0035	0.1615
55 mph	0.0420	0.0060	0.0295	0.0146	0.0065	0.0017	0.0045	0.0012	0.1059
60 mph	0.0675	0.0095	0.0471	0.0194	0.0083	0.0021	0.1857	0.0482	0.3880
65 mph	0.0115	0.0016	0.0080	0.0038	0.0017	0.0004	-	-	0.0271
70 mph	0.1721	0.0246	0.1111	0.0892	0.0469	0.0111	-	-	0.4550
total	1.8017	0.2567	1.2650	0.5507	1.7574	0.5083	1.9410	0.1206	8.2015

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0150	0.0000	0.0135	0.0059	0.5775	0.3837	0.1026	0.4439	1.5421
15 mph	0.0029	0.0000	0.0026	0.0012	0.1141	0.0760	0.0190	0.0824	0.2982
20 mph	0.0023	0.0000	0.0021	0.0009	0.0920	0.0617	0.0257	0.1045	0.2892
25 mph	0.0069	0.0000	0.0062	0.0027	0.2821	0.1899	0.1107	0.4679	1.0664
30 mph	0.0058	0.0000	0.0051	0.0023	0.2375	0.1600	0.0813	0.3439	0.8359
35 mph	0.0038	0.0000	0.0033	0.0015	0.1571	0.1060	0.0301	0.1271	0.4289
40 mph	0.0010	0.0000	0.0009	0.0004	0.0439	0.0297	0.0287	0.1215	0.2261
45 mph	0.0007	0.0000	0.0006	0.0003	0.0316	0.0214	0.0211	0.0895	0.1653
50 mph	0.0006	0.0000	0.0006	0.0003	0.0281	0.0191	0.0345	0.1457	0.2289
55 mph	0.0004	0.0000	0.0004	0.0002	0.0202	0.0138	0.0087	0.0373	0.0810
60 mph	0.0008	0.0000	0.0007	0.0003	0.0393	0.0269	0.0102	0.0433	0.1216
65 mph	0.0001	0.0000	0.0001	0.0000	0.0052	0.0035	-	-	0.0089
70 mph	-	-	-	-	-	-	-	-	-
total	0.0405	0.0001	0.0361	0.0159	1.6286	1.0916	0.4726	2.0071	5.2925

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0012	0.0000	0.0011	0.0010	0.1238	0.0823	-	-	0.2095
15 mph	0.0006	0.0000	0.0005	0.0005	0.0611	0.0407	-	-	0.1035
20 mph	0.0002	0.0000	0.0002	0.0002	0.0247	0.0165	0.0463	0.1884	0.2765
25 mph	0.0003	0.0000	0.0003	0.0002	0.0302	0.0204	0.0635	0.2684	0.3833
30 mph	0.0004	0.0000	0.0004	0.0004	0.0463	0.0312	0.0880	0.3720	0.5386
35 mph	0.0008	0.0000	0.0007	0.0006	0.0842	0.0568	0.0724	0.3055	0.5210
40 mph	0.0007	0.0000	0.0006	0.0006	0.0785	0.0530	0.0570	0.2409	0.4312
45 mph	0.0005	0.0000	0.0004	0.0004	0.0543	0.0367	0.0381	0.1614	0.2917
50 mph	0.0005	0.0000	0.0004	0.0004	0.0543	0.0369	0.0191	0.0808	0.1924
55 mph	0.0002	0.0000	0.0002	0.0002	0.0271	0.0185	0.0105	0.0448	0.1015
60 mph	0.0001	0.0000	0.0001	0.0001	0.0158	0.0108	0.8589	3.6468	4.5327
65 mph	0.0000	0.0000	0.0000	0.0000	0.0055	0.0038	-	-	0.0095
70 mph	0.0021	0.0000	0.0018	0.0018	0.3420	0.2314	-	-	0.5790
total	0.0078	0.0000	0.0068	0.0064	0.9478	0.6389	1.2537	5.3090	8.1704

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3967	0.2624	0.1673	1.4202	2.2466
15 mph	0.0046	0.0000	0.0042	0.0017	0.1733	0.1154	0.0302	0.1312	0.4606
25 mph	-	-	-	-	0.0814	0.0548	0.0701	0.2964	0.5026
35 mph	0.0028	0.0000	0.0025	0.0009	-	-	-	-	0.0063
total	0.0075	0.0000	0.0067	0.0026	0.6513	0.4325	0.2676	1.8478	3.2161

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3967	0.2624	0.1673	1.4202	2.2466
10 mph	0.0163	0.0000	0.0146	0.0069	0.7013	0.4660	0.1026	0.4439	1.7516
15 mph	0.0082	0.0000	0.0073	0.0033	0.3485	0.2321	0.0492	0.2136	0.8623
20 mph	0.0025	0.0000	0.0023	0.0011	0.1167	0.0782	0.0719	0.2929	0.5657
25 mph	0.0072	0.0000	0.0064	0.0029	0.3937	0.2650	0.2443	1.0327	1.9523
30 mph	0.0062	0.0000	0.0055	0.0026	0.2837	0.1912	0.1693	0.7159	1.3745
35 mph	0.0074	0.0000	0.0065	0.0031	0.2413	0.1628	0.1025	0.4326	0.9562
40 mph	0.0017	0.0000	0.0015	0.0010	0.1224	0.0826	0.0857	0.3624	0.6574
45 mph	0.0012	0.0000	0.0011	0.0007	0.0859	0.0581	0.0592	0.2509	0.4571
50 mph	0.0011	0.0000	0.0010	0.0006	0.0824	0.0560	0.0536	0.2265	0.4213
55 mph	0.0007	0.0000	0.0006	0.0004	0.0473	0.0323	0.0192	0.0821	0.1826
60 mph	0.0010	0.0000	0.0009	0.0004	0.0550	0.0377	0.8692	3.6901	4.6543
65 mph	0.0002	0.0000	0.0001	0.0001	0.0107	0.0074	-	-	0.0184
70 mph	0.0021	0.0000	0.0018	0.0018	0.3420	0.2314	-	-	0.5790
total	0.0557	0.0002	0.0496	0.0249	3.2277	2.1631	1.9940	9.1639	16.6791

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT)

Surface Street Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1130	0.1130
15 mph								0.0245	0.0245
20 mph								0.0327	0.0327
25 mph								0.1325	0.1325
30 mph								0.0908	0.0908
35 mph								0.0309	0.0309
40 mph								0.0261	0.0261
45 mph								0.0161	0.0161
50 mph								0.0205	0.0205
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.4871	0.4871

Freeway Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0590	0.0590
25 mph								0.0760	0.0760
30 mph								0.0982	0.0982
35 mph								0.0743	0.0743
40 mph								0.0518	0.0518
45 mph								0.0290	0.0290
50 mph								0.0114	0.0114
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.3074	0.3074

Internal Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0017	0.0017
15 mph								0.0390	0.0390
25 mph								0.0839	0.0839
35 mph								-	-
total	-	-	-	-	-	-	-	0.1246	0.1246

Total Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0017	0.0017
10 mph								0.1130	0.1130
15 mph								0.0635	0.0635
20 mph								0.0917	0.0917
25 mph								0.2924	0.2924
30 mph								0.1889	0.1889
35 mph								0.1052	0.1052
40 mph								0.0779	0.0779
45 mph								0.0451	0.0451
50 mph								0.0318	0.0318
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.0113	1.0113

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3118	1.0760	0.5558	0.6031	1.0363	0.9837	0.5746	1.6235
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS + HOTSOAK Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	3.1632	0.8343	2.1217	3.2967	1.7904	0.4938	0.4972	0.0130
Electric/NG	-	-	-	-	-	-	-	-
Total	**3.1632**	**0.8343**	**2.1217**	**3.2967**	**1.7904**	**0.4938**	**0.4972**	**0.0130**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2366	0.4106	0.4414	0.6164	0.0551	0.0535	0.0484	0.0421
Electric/NG	0.0317	0.0314	0.0315	0.0315	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.2006	0.1592	0.8426	1.6847	0.0476	0.0134	0.0210	0.0002
Electric/NG	0.0090	0.0004	0.0023	0.0036	-	-	-	-
Total	1.2096	0.1596	0.8449	1.6883	0.0476	0.0134	0.0210	0.0002

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0893	0.1100	0.1284	0.1428	0.0540	0.0531	0.1521	0.0013
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.9060	0.0853	0.4902	0.7807	0.0933	0.0267	0.1316	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.9060	0.0853	0.4902	0.7807	0.0933	0.0267	0.1316	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.9158	0.7105	1.6703	1.4291	5.7256
10 mph	0.2361	0.0306	0.1686	0.0662	0.7261	0.4723	0.1265	0.5631	2.3896
15 mph	0.1586	0.0212	0.1137	0.0421	0.3648	0.2363	0.0629	0.2807	1.2804
20 mph	0.0860	0.0119	0.0616	0.0242	0.1263	0.0807	0.0927	0.3900	0.8734
25 mph	0.2974	0.0415	0.2133	0.0795	0.4324	0.2750	0.3108	1.3423	2.9921
30 mph	0.2621	0.0368	0.1878	0.0725	0.3121	0.1985	0.2137	0.9163	2.1997
35 mph	0.3201	0.0450	0.2284	0.0869	0.2659	0.1691	0.1293	0.5447	1.7894
40 mph	0.0796	0.0112	0.0568	0.0297	0.1353	0.0860	0.1083	0.4462	0.9530
45 mph	0.0599	0.0084	0.0426	0.0221	0.0955	0.0606	0.0747	0.3000	0.6639
50 mph	0.0606	0.0085	0.0428	0.0227	0.0925	0.0585	0.0671	0.2619	0.6146
55 mph	0.0427	0.0060	0.0300	0.0149	0.0538	0.0340	0.0237	0.0832	0.2884
60 mph	0.0685	0.0096	0.0480	0.0199	0.0633	0.0398	1.0549	3.7384	5.0423
65 mph	0.0117	0.0016	0.0081	0.0039	0.0124	0.0078	-	-	0.0455
70 mph	0.1742	0.0246	0.1129	0.0910	0.3889	0.2425	-	-	1.0340
RL+HS	3.1632	0.8343	2.1217	3.2967	1.7904	0.4938	0.4972	0.0130	12.2104
RL+DIURN	1.2096	0.1596	0.8449	1.6883	0.0476	0.0134	0.0210	0.0002	3.9845
STREX	0.9060	0.0853	0.4902	0.7807	0.0933	0.0267	0.1316	0.0000	2.5137
total	7.1362	1.3361	4.7714	6.3413	6.9164	3.2052	4.5848	10.3090	**44.6005**

World Logistics Center
Mobile Emissions - 2035 Buildout (Net) - Unmitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.1149	1.1316	2.4126	26.9577
10 mph	0.0279	0.0402	0.0412	0.0453	0.0763	0.0818	0.1589	4.6871
15 mph	0.0245	0.0351	0.0360	0.0394	0.0662	0.0710	0.1405	4.1354
20 mph	0.0220	0.0314	0.0322	0.0352	0.0599	0.0643	0.1259	3.7102
25 mph	0.0201	0.0285	0.0291	0.0319	0.0544	0.0583	0.1149	3.3847
30 mph	0.0186	0.0264	0.0268	0.0295	0.0506	0.0543	0.1065	3.1388
35 mph	0.0176	0.0248	0.0251	0.0277	0.0480	0.0515	0.1000	2.9536
40 mph	0.0168	0.0237	0.0239	0.0265	0.0459	0.0493	0.0955	2.8195
45 mph	0.0162	0.0230	0.0232	0.0257	0.0445	0.0477	0.0925	2.7334
50 mph	0.0161	0.0228	0.0229	0.0255	0.0441	0.0471	0.0913	2.6999
55 mph	0.0162	0.0232	0.0234	0.0260	0.0446	0.0476	0.0920	2.7224
60 mph	0.0169	0.0243	0.0245	0.0272	0.0461	0.0494	0.0950	2.8093
65 mph	0.0177	0.0256	0.0256	0.0287	0.0486	0.0518		
70 mph	0.0187	0.0275	0.0256	0.0304	0.0541	0.0537		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					31.7626	32.4443	30.7549	28.3554
10 mph	0.0426	0.2174	0.1258	0.0483	0.3486	0.3772	5.3319	11.1101
15 mph	0.0288	0.1867	0.0842	0.0327	0.2640	0.2926	3.7303	7.5140
20 mph	0.0193	0.1647	0.0555	0.0219	0.2297	0.2579	2.9576	5.3358
25 mph	0.0149	0.1526	0.0422	0.0170	0.2083	0.2374	2.3051	4.3730
30 mph	0.0126	0.1436	0.0352	0.0145	0.2089	0.2384	1.7219	3.2689
35 mph	0.0111	0.1331	0.0305	0.0129	0.2190	0.2480	1.2554	2.4237
40 mph	0.0100	0.1322	0.0271	0.0117	0.2268	0.2563	0.9059	1.7565
45 mph	0.0092	0.1347	0.0246	0.0108	0.2349	0.2651	0.6741	1.3132
50 mph	0.0086	0.1330	0.0226	0.0102	0.2461	0.2780	0.5621	1.0718
55 mph	0.0081	0.1388	0.0211	0.0096	0.2394	0.2744	0.5687	1.0898
60 mph	0.0080	0.1451	0.0204	0.0094	0.2451	0.2797	0.6936	1.3139
65 mph	0.0080	0.1353	0.0205	0.0096	0.2715	0.3096		
70 mph	0.0087	0.0675	0.0208	0.0111	0.5731	0.5993		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								29.7310
10 mph								1.7921
15 mph								1.2992
20 mph								0.9835
25 mph								0.7999
30 mph								0.6903
35 mph								0.6149
40 mph								0.5604
45 mph								0.5201
50 mph								0.4903
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.5211	0.0573	0.2892	0.1018	0.0749	0.0233	0.0807	0.0221	1.1704
15 mph	0.1829	0.0200	0.1012	0.0354	0.0260	0.0081	0.0238	0.0065	0.4038
20 mph	0.3287	0.0358	0.1809	0.0633	0.0470	0.0146	0.0426	0.0116	0.7247
25 mph	1.4987	0.1627	0.8186	0.2867	0.2132	0.0665	0.2140	0.0584	3.3188
30 mph	1.5302	0.1656	0.8292	0.2914	0.2184	0.0681	0.1802	0.0493	3.3326
35 mph	1.1803	0.1275	0.6340	0.2241	0.1693	0.0528	0.0762	0.0209	2.4851
40 mph	0.3759	0.0406	0.2016	0.0714	0.0540	0.0168	0.0808	0.0221	0.8633
45 mph	0.3032	0.0328	0.1629	0.0577	0.0437	0.0136	0.0627	0.0172	0.6937
50 mph	0.2998	0.0325	0.1609	0.0572	0.0433	0.0134	0.1005	0.0275	0.7352
55 mph	0.2426	0.0265	0.1312	0.0467	0.0350	0.0108	0.0234	0.0064	0.5227
60 mph	0.5045	0.0555	0.2753	0.0979	0.0724	0.0225	0.0241	0.0066	1.0588
65 mph	0.0660	0.0073	0.0360	0.0129	0.0095	0.0029	-	-	0.1346
70 mph	-	-	-	-	-	-	-	-	-
total	7.0339	0.7643	3.8211	1.3464	1.0067	0.3136	0.9090	0.2487	15.4437

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0431	0.0047	0.0239	0.0176	0.0161	0.0050	-	-	0.1104
15 mph	0.0378	0.0041	0.0209	0.0153	0.0139	0.0043	-	-	0.0964
20 mph	0.0340	0.0037	0.0187	0.0137	0.0126	0.0039	0.0769	0.0210	0.1844
25 mph	0.0620	0.0067	0.0339	0.0248	0.0229	0.0071	0.1227	0.0335	0.3136
30 mph	0.1151	0.0125	0.0623	0.0458	0.0426	0.0133	0.1950	0.0533	0.5397
35 mph	0.2440	0.0264	0.1311	0.0968	0.0908	0.0283	0.1832	0.0502	0.8507
40 mph	0.2591	0.0280	0.1389	0.1027	0.0965	0.0301	0.1603	0.0439	0.8595
45 mph	0.2006	0.0217	0.1078	0.0797	0.0749	0.0233	0.1129	0.0309	0.6520
50 mph	0.2232	0.0242	0.1198	0.0890	0.0835	0.0259	0.0557	0.0153	0.6365
55 mph	0.1254	0.0137	0.0678	0.0504	0.0469	0.0145	0.0281	0.0077	0.3547
60 mph	0.0782	0.0086	0.0427	0.0317	0.0291	0.0091	2.0300	0.5565	2.7859
65 mph	0.0273	0.0030	0.0149	0.0111	0.0102	0.0032	-	-	0.0697
70 mph	1.3251	0.1491	0.6852	0.5427	0.5229	0.1510	-	-	3.3760
total	2.7749	0.3064	1.4679	1.1212	1.0628	0.3190	2.9648	0.8123	10.8295

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1323	0.0390	0.1334	0.0184	0.3231
15 mph	0.2890	0.0317	0.1600	0.0512	0.0395	0.0123	0.0379	0.0103	0.6318
25 mph	-	-	-	-	0.0615	0.0192	0.1355	0.0370	0.2532
35 mph	0.8919	0.0963	0.4791	0.1425	-	-	-	-	1.6098
total	1.1810	0.1280	0.6391	0.1937	0.2333	0.0705	0.3068	0.0658	2.8180

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1323	0.0390	0.1334	0.0184	0.3231
10 mph	0.5642	0.0621	0.3131	0.1194	0.0909	0.0283	0.0807	0.0221	1.2808
15 mph	0.5097	0.0558	0.2821	0.1019	0.0794	0.0247	0.0616	0.0168	1.1321
20 mph	0.3627	0.0395	0.1996	0.0769	0.0596	0.0186	0.1195	0.0326	0.9091
25 mph	1.5607	0.1695	0.8524	0.3114	0.2976	0.0927	0.4723	0.1290	3.8856
30 mph	1.6452	0.1781	0.8916	0.3372	0.2610	0.0814	0.3752	0.1026	3.8723
35 mph	2.3163	0.2501	1.2442	0.4633	0.2600	0.0812	0.2594	0.0710	4.9455
40 mph	0.6350	0.0686	0.3405	0.1741	0.1504	0.0469	0.2412	0.0660	1.7228
45 mph	0.5039	0.0545	0.2707	0.1375	0.1186	0.0369	0.1756	0.0481	1.3458
50 mph	0.5230	0.0568	0.2807	0.1462	0.1268	0.0393	0.1562	0.0428	1.3717
55 mph	0.3681	0.0402	0.1991	0.0971	0.0820	0.0254	0.0515	0.0141	0.8774
60 mph	0.5827	0.0641	0.3180	0.1296	0.1015	0.0316	2.0541	0.5631	3.8448
65 mph	0.0933	0.0103	0.0508	0.0240	0.0197	0.0061	-	-	0.2043
70 mph	1.3251	0.1491	0.6852	0.5427	0.5229	0.1510	-	-	3.3760
total	10.9898	1.1987	5.9280	2.6614	2.3028	0.7031	4.1806	1.1268	29.0912

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0094	0.0000	0.0086	0.0037	0.3601	0.2577	16.2034	61.3072	78.1501
15 mph	0.0025	0.0000	0.0023	0.0010	0.1091	0.0800	3.7788	13.8210	17.7947
20 mph	0.0034	0.0000	0.0030	0.0013	0.1898	0.1409	5.9921	19.6289	25.9596
25 mph	0.0132	0.0001	0.0115	0.0051	0.8605	0.6487	25.6854	88.4805	115.7051
30 mph	0.0122	0.0001	0.0106	0.0048	0.9492	0.7167	17.4424	60.1269	79.2630
35 mph	0.0088	0.0001	0.0075	0.0035	0.8144	0.6099	5.7226	20.0613	27.2281
40 mph	0.0026	0.0000	0.0022	0.0011	0.2811	0.2101	4.5883	16.1543	21.2396
45 mph	0.0020	0.0000	0.0017	0.0008	0.2426	0.1811	2.7315	9.6619	12.8217
50 mph	0.0019	0.0000	0.0015	0.0008	0.2542	0.1899	3.7010	12.8148	16.9642
55 mph	0.0014	0.0000	0.0012	0.0006	0.1978	0.1500	0.8642	3.0068	4.2219
60 mph	0.0028	0.0000	0.0022	0.0011	0.4050	0.3057	1.0540	3.6250	5.3960
65 mph	0.0004	0.0000	0.0003	0.0001	0.0561	0.0423	-	-	0.0992
70 mph	-	-	-	-	-	-	-	-	-
total	0.0608	0.0006	0.0527	0.0239	4.7198	3.5330	87.7637	308.6887	404.8432

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0008	0.0000	0.0007	0.0006	0.0772	0.0553	-	-	0.1346
15 mph	0.0005	0.0000	0.0005	0.0004	0.0585	0.0429	-	-	0.1028
20 mph	0.0004	0.0000	0.0003	0.0003	0.0509	0.0378	10.8023	35.3862	46.2780
25 mph	0.0005	0.0000	0.0005	0.0004	0.0923	0.0696	14.7332	50.7527	65.6492
30 mph	0.0009	0.0000	0.0008	0.0008	0.1850	0.1397	18.8666	65.0364	84.2303
35 mph	0.0018	0.0000	0.0016	0.0015	0.4366	0.3270	13.7553	48.2207	62.7444
40 mph	0.0018	0.0000	0.0015	0.0015	0.5023	0.3754	9.0987	32.0343	42.0156
45 mph	0.0013	0.0000	0.0011	0.0011	0.4162	0.3107	4.9242	17.4181	23.0728
50 mph	0.0014	0.0000	0.0012	0.0012	0.4906	0.3666	2.0529	7.1083	10.0221
55 mph	0.0007	0.0000	0.0006	0.0006	0.2651	0.2010	1.0386	3.6137	5.1203
60 mph	0.0004	0.0000	0.0003	0.0004	0.1628	0.1229	88.6688	304.9692	393.9249
65 mph	0.0001	0.0000	0.0001	0.0001	0.0601	0.0453	-	-	0.1059
70 mph	0.0073	0.0001	0.0054	0.0066	5.8388	4.0386	-	-	9.8968
total	0.0182	0.0002	0.0146	0.0157	8.6363	6.1327	163.9406	564.5395	743.2978

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.9707	2.6827	10.1745	17.0335	33.8613
15 mph	0.0040	0.0000	0.0036	0.0014	0.1657	0.1215	6.0158	22.0032	28.3154
25 mph	-	-	-	-	0.2483	0.1872	16.2672	56.0369	72.7396
35 mph	0.0067	0.0001	0.0057	0.0022	-	-	-	-	0.0146
total	0.0107	0.0001	0.0093	0.0037	4.3846	2.9913	32.4575	95.0737	134.9309

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.9707	2.6827	10.1745	17.0335	33.8613
10 mph	0.0102	0.0000	0.0093	0.0043	0.4373	0.3129	16.2034	61.3072	78.2847
15 mph	0.0071	0.0000	0.0064	0.0028	0.3332	0.2443	9.7946	35.8243	46.2128
20 mph	0.0038	0.0000	0.0033	0.0016	0.2406	0.1787	16.7944	55.0151	72.2376
25 mph	0.0137	0.0001	0.0120	0.0056	1.2010	0.9054	56.6858	195.2702	254.0939
30 mph	0.0132	0.0001	0.0114	0.0056	1.1342	0.8564	36.3091	125.1633	163.4933
35 mph	0.0173	0.0002	0.0147	0.0072	1.2510	0.9369	19.4780	68.2819	89.9872
40 mph	0.0045	0.0001	0.0038	0.0026	0.7833	0.5855	13.6869	48.1886	63.2552
45 mph	0.0034	0.0000	0.0028	0.0019	0.6588	0.4919	7.6557	27.0800	35.8945
50 mph	0.0033	0.0000	0.0027	0.0020	0.7448	0.5565	5.7539	19.9230	26.9863
55 mph	0.0022	0.0000	0.0017	0.0012	0.4629	0.3509	1.9028	6.6204	9.3422
60 mph	0.0033	0.0001	0.0026	0.0015	0.5679	0.4286	89.7227	308.5943	399.3209
65 mph	0.0005	0.0000	0.0004	0.0003	0.1162	0.0876	-	-	0.2050
70 mph	0.0073	0.0001	0.0054	0.0066	5.8388	4.0386	-	-	9.8968
total	0.0896	0.0009	0.0766	0.0433	17.7407	12.6571	284.1618	968.3019	1,283.0718

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT)

Surface Street Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.7013	0.7013
15 mph								0.1695	0.1695
20 mph								0.2566	0.2566
25 mph								1.1477	1.1477
30 mph								0.9004	0.9004
35 mph								0.3609	0.3609
40 mph								0.3655	0.3655
45 mph								0.2714	0.2714
50 mph								0.4157	0.4157
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	4.5889	4.5889

Freeway Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.4625	0.4625
25 mph								0.6583	0.6583
30 mph								0.9740	0.9740
35 mph								0.8676	0.8676
40 mph								0.7248	0.7248
45 mph								0.4892	0.4892
50 mph								0.2306	0.2306
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.9624	2.9624

Internal Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.2665	1.2665
15 mph								0.2698	0.2698
25 mph								0.7269	0.7269
35 mph								-	-
total	-	-	-	-	-	-	-	2.2632	2.2632

Total Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.2665	1.2665
10 mph								0.7013	0.7013
15 mph								0.4393	0.4393
20 mph								0.7191	0.7191
25 mph								2.5329	2.5329
30 mph								1.8744	1.8744
35 mph								1.2285	1.2285
40 mph								1.0903	1.0903
45 mph								0.7606	0.7606
50 mph								0.6462	0.6462
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	11.2590	11.2590

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	4.1030	2.7217	10.3079	18.3184	35.4510
10 mph	0.5744	0.0621	0.3224	0.1237	0.5282	0.3412	16.2841	62.0306	80.2668
15 mph	0.5168	0.0559	0.2885	0.1047	0.4126	0.2690	9.8562	36.2804	47.7841
20 mph	0.3665	0.0396	0.2030	0.0785	0.3002	0.1973	16.9139	55.7668	73.8658
25 mph	1.5744	0.1696	0.8644	0.3170	1.4986	0.9982	57.1581	197.9322	260.5124
30 mph	1.6584	0.1782	0.9029	0.3428	1.3953	0.9378	36.6842	127.1403	169.2400
35 mph	2.3335	0.2503	1.2589	0.4705	1.5110	1.0181	19.7374	69.5814	96.1612
40 mph	0.6395	0.0686	0.3443	0.1767	0.9337	0.6325	13.9281	49.3449	66.0683
45 mph	0.5073	0.0546	0.2735	0.1394	0.7774	0.5288	7.8313	27.8887	38.0008
50 mph	0.5263	0.0568	0.2834	0.1481	0.8716	0.5958	5.9101	20.6121	29.0042
55 mph	0.3702	0.0402	0.2008	0.0983	0.5448	0.3763	1.9543	6.6345	10.2196
60 mph	0.5859	0.0642	0.3206	0.1311	0.6694	0.4602	91.7768	309.1574	403.1656
65 mph	0.0938	0.0103	0.0512	0.0243	0.1359	0.0938	-	-	0.4093
70 mph	1.3324	0.1491	0.6906	0.5494	6.3617	4.1896	-	-	13.2728
STREX	1.1709	0.1029	0.5135	0.8070	0.5604	0.1690	11.4640	23.1192	37.9069
total	12.2503	1.3025	6.5181	3.5117	20.6038	13.5293	299.8065	1,003.8069	**1,361.3290**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1154	0.1326	0.1345	0.1476	0.3243	0.3368	0.3223	0.0062
Diesel	-	-	-	-	-	-	2.1602	2.4590
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.1709	0.1029	0.5135	0.8070	0.5604	0.1690	0.2789	0.0000
Diesel	-	-	-	-	-	-	11.1852	23.1191
Electric/NG	-	-	-	-	-	-	-	-
Total	1.1709	0.1029	0.5135	0.8070	0.5604	0.1690	11.4640	23.1192

World Logistics Center
Mobile Emissions - 2035 Buildout (Net) - Unmitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					155.0597	155.1653	388.1149	271.5252
10 mph	0.6890	0.8196	0.8726	0.8904	0.2686	0.2354	0.4073	49.4286
15 mph	0.6280	0.7450	0.7947	0.8095	0.2427	0.2142	0.3735	45.1999
20 mph	0.5753	0.6809	0.7268	0.7407	0.2231	0.1963	0.3414	41.3728
25 mph	0.5280	0.6235	0.6656	0.6788	0.2039	0.1798	0.3137	37.9859
30 mph	0.4862	0.5729	0.6113	0.6244	0.1876	0.1653	0.2882	34.9459
35 mph	0.4494	0.5283	0.5632	0.5765	0.1735	0.1525	0.2654	32.2441
40 mph	0.4166	0.4899	0.5221	0.5346	0.1609	0.1413	0.2459	29.8775
45 mph	0.3887	0.4572	0.4870	0.4986	0.1497	0.1313	0.2282	27.7545
50 mph	0.3623	0.4266	0.4536	0.4649	0.1394	0.1219	0.2120	25.8237
55 mph	0.3369	0.3968	0.4219	0.4327	0.1298	0.1134	0.1973	24.0431
60 mph	0.3081	0.3638	0.3866	0.3962	0.1202	0.1052	0.1837	22.3750
65 mph	0.2856	0.3383	0.3584	0.3678	0.1122	0.0979		
70 mph	0.2809	0.3373	0.3473	0.3627	0.1133	0.0926		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	21.1124	34.8604
10 mph	2.0310	2.0751	2.0064	2.2741	2.5048	2.5323	0.4929	1.3268
15 mph	0.9903	1.0634	0.9792	1.1107	1.2371	1.2526	0.2669	0.7194
20 mph	0.3856	0.4685	0.3809	0.4324	0.5019	0.5108	0.1784	0.4495
25 mph	0.2319	0.3026	0.2286	0.2601	0.3094	0.3160	0.1363	0.3544
30 mph	0.1755	0.2341	0.1727	0.1969	0.2386	0.2441	0.1046	0.2722
35 mph	0.1398	0.1891	0.1373	0.1570	0.1952	0.1998	0.0789	0.2048
40 mph	0.1154	0.1632	0.1132	0.1296	0.1659	0.1702	0.0592	0.1542
45 mph	0.0979	0.1480	0.0959	0.1099	0.1462	0.1503	0.0454	0.1187
50 mph	0.0848	0.1376	0.0829	0.0953	0.1336	0.1379	0.0377	0.0982
55 mph	0.0746	0.1371	0.0729	0.0838	0.1236	0.1285	0.0359	0.0948
60 mph	0.0704	0.1476	0.0687	0.0792	0.1250	0.1304	0.0401	0.1051
65 mph	0.0708	0.1571	0.0687	0.0798	0.1397	0.1468		
70 mph	0.0729	0.1065	0.0688	0.0824	0.2247	0.2291		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								34.3791
10 mph								36.1157
15 mph								25.4330
20 mph								18.3972
25 mph								13.4834
30 mph								9.9379
35 mph								7.3251
40 mph								5.3997
45 mph								3.9810
50 mph								2.9356
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	12.8647	1.1695	6.1304	2.0007	0.2634	0.0671	0.2068	0.2328	22.9354
15 mph	4.6902	0.4252	2.2333	0.7276	0.0952	0.0244	0.0632	0.0710	8.3301
20 mph	8.5931	0.7773	4.0848	1.3314	0.1750	0.0448	0.1156	0.1299	15.2519
25 mph	39.4319	3.5591	18.7036	6.1009	0.7997	0.2049	0.5841	0.6560	70.0400
30 mph	39.9456	3.5971	18.8964	6.1732	0.8093	0.2072	0.4879	0.5486	70.6653
35 mph	30.2047	2.7141	14.2437	4.6634	0.6126	0.1564	0.2022	0.2278	53.0248
40 mph	9.3345	0.8389	4.4011	1.4413	0.1894	0.0483	0.2082	0.2345	16.6962
45 mph	7.2573	0.6524	3.4209	1.1204	0.1468	0.0374	0.1545	0.1743	12.9641
50 mph	6.7651	0.6087	3.1867	1.0446	0.1367	0.0347	0.2333	0.2635	12.2734
55 mph	5.0327	0.4530	2.3712	0.7777	0.1018	0.0258	0.0501	0.0566	8.8690
60 mph	9.2035	0.8306	4.3458	1.4242	0.1886	0.0479	0.0466	0.0527	16.1399
65 mph	1.0664	0.0966	0.5036	0.1653	0.0220	0.0056	-	-	1.8594
70 mph	-	-	-	-	-	-	-	-	-
total	174.3897	15.7225	82.5213	26.9706	3.5405	0.9046	2.3526	2.6476	309.0494

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	1.0640	0.0967	0.5070	0.3456	0.0565	0.0144	-	-	2.0842
15 mph	0.9698	0.0879	0.4618	0.3142	0.0510	0.0131	-	-	1.8977
20 mph	0.8884	0.0804	0.4223	0.2875	0.0469	0.0120	0.2084	0.2342	2.1800
25 mph	1.6306	0.1472	0.7734	0.5269	0.0857	0.0220	0.3350	0.3763	3.8971
30 mph	3.0034	0.2705	1.4208	0.9694	0.1578	0.0404	0.5277	0.5934	6.9832
35 mph	6.2452	0.5612	2.9451	2.0138	0.3284	0.0839	0.4860	0.5475	13.2110
40 mph	6.4335	0.5782	3.0333	2.0747	0.3384	0.0863	0.4128	0.4651	13.4221
45 mph	4.8018	0.4317	2.2634	1.5482	0.2518	0.0642	0.2786	0.3142	9.9538
50 mph	5.0356	0.4531	2.3720	1.6239	0.2639	0.0670	0.1294	0.1462	10.0911
55 mph	2.6015	0.2342	1.2257	0.8396	0.1365	0.0346	0.0602	0.0680	5.2003
60 mph	1.4272	0.1288	0.6739	0.4613	0.0758	0.0193	3.9234	4.4326	11.1423
65 mph	0.4410	0.0399	0.2082	0.1428	0.0236	0.0060	-	-	0.8615
70 mph	19.9517	1.8311	9.2819	6.4757	1.0961	0.2603	-	-	38.8967
total	54.4936	4.9408	25.5887	17.6233	2.9124	0.7234	6.3616	7.1773	119.8211

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	18.4044	5.3504	21.4581	0.1854	45.3983
15 mph	7.4136	0.6722	3.5301	1.0529	0.1446	0.0371	0.1007	0.1130	13.0642
25 mph	-	-	-	-	0.2307	0.0591	0.3699	0.4154	1.0752
35 mph	22.8249	2.0510	10.7636	2.9649	-	-	-	-	38.6042
total	30.2385	2.7231	14.2937	4.0178	18.7797	5.4467	21.9287	0.7138	98.1420

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	18.4044	5.3504	21.4581	0.1854	45.3983
10 mph	13.9286	1.2662	6.6374	2.3463	0.3199	0.0815	0.2068	0.2328	25.0195
15 mph	13.0736	1.1853	6.2252	2.0947	0.2908	0.0746	0.1639	0.1839	23.2920
20 mph	9.4815	0.8577	4.5071	1.6189	0.2219	0.0567	0.3240	0.3641	17.4318
25 mph	41.0625	3.7062	19.4770	6.6277	1.1161	0.2860	1.2890	1.4476	75.0123
30 mph	42.9490	3.8676	20.3172	7.1426	0.9671	0.2476	1.0156	1.1420	77.6485
35 mph	59.2748	5.3262	27.9523	9.6421	0.9410	0.2403	0.6882	0.7753	104.8401
40 mph	15.7680	1.4171	7.4343	3.5160	0.5277	0.1347	0.6210	0.6996	30.1183
45 mph	12.0591	1.0841	5.6844	2.6686	0.3986	0.1016	0.4332	0.4885	22.9179
50 mph	11.8008	1.0619	5.5586	2.6685	0.4006	0.1018	0.3628	0.4097	22.3646
55 mph	7.6342	0.6872	3.5968	1.6173	0.2383	0.0605	0.1103	0.1247	14.0693
60 mph	10.6307	0.9593	5.0197	1.8855	0.2645	0.0672	3.9700	4.4852	27.2822
65 mph	1.5073	0.1365	0.7118	0.3081	0.0456	0.0116	-	-	2.7209
70 mph	19.9517	1.8311	9.2819	6.4757	1.0961	0.2603	-	-	38.8967
total	259.1218	23.3864	122.4037	48.6117	25.2327	7.0747	30.6429	10.5387	527.0125

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.4490	0.0004	0.1372	0.1719	2.5871	1.7300	1.4978	7.3213	13.8948
15 mph	0.0876	0.0001	0.0268	0.0336	0.5111	0.3423	0.2704	1.3232	2.5950
20 mph	0.0682	0.0001	0.0208	0.0262	0.4148	0.2792	0.3614	1.6538	2.8243
25 mph	0.2050	0.0003	0.0625	0.0787	1.2783	0.8636	1.5188	7.1716	11.1788
30 mph	0.1707	0.0002	0.0520	0.0655	1.0842	0.7337	1.0597	5.0062	8.1721
35 mph	0.1113	0.0001	0.0338	0.0427	0.7257	0.4914	0.3597	1.6953	3.4601
40 mph	0.0306	0.0000	0.0093	0.0118	0.2057	0.1395	0.2997	1.4181	2.1146
45 mph	0.0216	0.0000	0.0066	0.0083	0.1510	0.1027	0.1840	0.8735	1.3477
50 mph	0.0187	0.0000	0.0057	0.0072	0.1380	0.0942	0.2480	1.1741	1.6859
55 mph	0.0132	0.0000	0.0040	0.0051	0.1021	0.0702	0.0545	0.2614	0.5106
60 mph	0.0249	0.0000	0.0075	0.0096	0.2066	0.1425	0.0609	0.2900	0.7420
65 mph	0.0031	0.0000	0.0009	0.0012	0.0289	0.0201	-	-	0.0542
70 mph	-	-	-	-	-	-	-	-	-
total	1.2039	0.0014	0.3671	0.4617	7.4333	5.0094	5.9150	28.1883	48.5801

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0371	0.0000	0.0113	0.0297	0.5548	0.3710	-	-	1.0040
15 mph	0.0181	0.0000	0.0055	0.0145	0.2740	0.1835	-	-	0.4957
20 mph	0.0071	0.0000	0.0022	0.0056	0.1112	0.0748	0.6514	2.9813	3.8336
25 mph	0.0085	0.0000	0.0026	0.0068	0.1371	0.0926	0.8712	4.1136	5.2324
30 mph	0.0128	0.0000	0.0039	0.0103	0.2114	0.1430	1.1463	5.4149	6.9426
35 mph	0.0230	0.0000	0.0070	0.0185	0.3890	0.2635	0.8646	4.0750	5.6405
40 mph	0.0211	0.0000	0.0064	0.0169	0.3675	0.2493	0.5943	2.8121	4.0676
45 mph	0.0143	0.0000	0.0043	0.0115	0.2590	0.1761	0.3317	1.5747	2.3717
50 mph	0.0140	0.0000	0.0042	0.0112	0.2663	0.1818	0.1376	0.6513	1.2663
55 mph	0.0068	0.0000	0.0021	0.0055	0.1368	0.0941	0.0656	0.3142	0.6251
60 mph	0.0039	0.0000	0.0012	0.0031	0.0830	0.0573	5.1255	24.3949	29.6688
65 mph	0.0013	0.0000	0.0004	0.0010	0.0310	0.0215	-	-	0.0552
70 mph	0.0613	0.0001	0.0179	0.0495	2.2896	1.5442	-	-	3.9626
total	0.2293	0.0003	0.0690	0.1841	5.1105	3.4527	9.7881	46.3320	65.1661

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.2878	2.1746	6.9845	20.9411	33.3881
15 mph	0.1384	0.0001	0.0423	0.0486	0.7765	0.5200	0.4305	2.1065	4.0629
25 mph	-	-	-	-	0.3688	0.2492	0.9619	4.5419	6.1218
35 mph	0.0841	0.0001	0.0255	0.0272	-	-	-	-	0.1369
total	0.2225	0.0003	0.0679	0.0758	4.4330	2.9438	8.3769	27.5896	43.7097

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.2878	2.1746	6.9845	20.9411	33.3881
10 mph	0.4861	0.0005	0.1485	0.2016	3.1419	2.1010	1.4978	7.3213	14.8987
15 mph	0.2441	0.0003	0.0747	0.0967	1.5616	1.0458	0.7008	3.4296	7.1535
20 mph	0.0752	0.0001	0.0230	0.0318	0.5259	0.3540	1.0128	4.6351	6.6579
25 mph	0.2135	0.0003	0.0651	0.0855	1.7842	1.2054	3.3520	15.8272	22.5330
30 mph	0.1835	0.0002	0.0559	0.0758	1.2956	0.8767	2.2060	10.4211	15.1147
35 mph	0.2184	0.0003	0.0663	0.0884	1.1147	0.7549	1.2243	5.7703	9.2376
40 mph	0.0517	0.0001	0.0157	0.0287	0.5731	0.3888	0.8940	4.2301	6.1823
45 mph	0.0359	0.0001	0.0109	0.0198	0.4100	0.2788	0.5157	2.4483	3.7194
50 mph	0.0327	0.0001	0.0099	0.0184	0.4043	0.2760	0.3855	1.8254	2.9522
55 mph	0.0200	0.0000	0.0060	0.0105	0.2389	0.1643	0.1201	0.5757	1.1356
60 mph	0.0288	0.0001	0.0087	0.0127	0.2896	0.1998	5.1864	24.6848	30.4108
65 mph	0.0044	0.0000	0.0013	0.0022	0.0598	0.0416	-	-	0.1094
70 mph	0.0613	0.0001	0.0179	0.0495	2.2896	1.5442	-	-	3.9626
total	1.6557	0.0020	0.5039	0.7216	16.9769	11.4058	24.0800	102.1099	157.4559

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT)

Surface Street Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								14.1323	14.1323
15 mph								3.3174	3.3174
20 mph								4.7993	4.7993
25 mph								19.3458	19.3458
30 mph								12.9625	12.9625
35 mph								4.2995	4.2995
40 mph								3.5216	3.5216
45 mph								2.0770	2.0770
50 mph								2.4889	2.4889
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	66.9442	66.9442

Freeway Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								8.6519	8.6519
25 mph								11.0968	11.0968
30 mph								14.0209	14.0209
35 mph								10.3347	10.3347
40 mph								6.9834	6.9834
45 mph								3.7444	3.7444
50 mph								1.3806	1.3806
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	44.1043	44.1043

Internal Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.4645	1.4645
15 mph								5.2813	5.2813
25 mph								12.2522	12.2522
35 mph								-	-
total	-	-	-	-	-	-	-	18.9979	18.9979

Total Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.4645	1.4645
10 mph								14.1323	14.1323
15 mph								8.5986	8.5986
20 mph								13.4512	13.4512
25 mph								42.6948	42.6948
30 mph								26.9834	26.9834
35 mph								14.6342	14.6342
40 mph								10.5049	10.5049
45 mph								5.8214	5.8214
50 mph								3.8694	3.8694
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	142.1548	142.1548

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	21.6922	7.5251	28.4426	22.5910	80.2509
10 mph	14.4147	1.2667	6.7860	2.5479	3.4618	2.1824	1.7047	21.6863	54.0505
15 mph	13.3177	1.1856	6.2998	2.1914	1.8524	1.1204	0.8647	12.2122	39.0442
20 mph	9.5567	0.8578	4.5301	1.6507	0.7478	0.4107	1.3368	18.4504	37.5409
25 mph	41.2760	3.7065	19.5421	6.7132	2.9003	1.4914	4.6410	59.9696	140.2401
30 mph	43.1325	3.8678	20.3730	7.2184	2.2626	1.1242	3.2216	38.5465	119.7467
35 mph	59.4932	5.3265	28.0186	9.7304	2.0557	0.9952	1.9125	21.1798	128.7118
40 mph	15.8197	1.4172	7.4500	3.5447	1.1009	0.5235	1.5150	15.4346	46.8055
45 mph	12.0951	1.0842	5.6953	2.6884	0.8085	0.3804	0.9489	8.7581	32.4588
50 mph	11.8335	1.0619	5.5685	2.6869	0.8049	0.3778	0.7483	6.1045	29.1862
55 mph	7.6542	0.6872	3.6029	1.6278	0.4772	0.2248	0.2304	0.7003	15.2049
60 mph	10.6594	0.9594	5.0284	1.8981	0.5541	0.2670	9.1564	29.1701	57.6930
65 mph	1.5118	0.1365	0.7131	0.3103	0.1054	0.0531	-	-	2.8303
70 mph	20.0131	1.8312	9.2998	6.5252	3.3857	1.8044	-	-	42.8593
STREX	15.1723	1.2192	7.4653	11.0849	2.4455	0.6909	2.5832	0.0383	40.6995
total	275.9498	24.6076	130.3729	60.4182	44.6551	19.1714	57.3061	254.8416	**867.3227**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.4953	1.5723	1.9555	2.0280	1.4155	1.3765	2.9853	4.7701
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	15.1723	1.2192	7.4653	11.0849	2.4455	0.6909	2.5832	0.0383
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	15.1723	1.2192	7.4653	11.0849	2.4455	0.6909	2.5832	0.0383

World Logistics Center
Mobile Emissions - 2035 Buildout (Net) - Unmitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0493	0.0493	0.1240	0.1877
10 mph	0.0039	0.0046	0.0045	0.0056	0.0128	0.0148	0.0262	0.0305
15 mph	0.0032	0.0037	0.0037	0.0045	0.0105	0.0121	0.0215	0.0251
20 mph	0.0026	0.0031	0.0031	0.0038	0.0087	0.0101	0.0178	0.0209
25 mph	0.0023	0.0027	0.0026	0.0032	0.0075	0.0086	0.0153	0.0179
30 mph	0.0020	0.0024	0.0023	0.0029	0.0066	0.0076	0.0136	0.0159
35 mph	0.0019	0.0022	0.0022	0.0027	0.0061	0.0071	0.0126	0.0147
40 mph	0.0018	0.0021	0.0021	0.0026	0.0059	0.0069	0.0122	0.0142
45 mph	0.0018	0.0021	0.0021	0.0026	0.0060	0.0069	0.0122	0.0142
50 mph	0.0019	0.0022	0.0022	0.0027	0.0061	0.0071	0.0126	0.0146
55 mph	0.0019	0.0023	0.0023	0.0028	0.0064	0.0074	0.0131	0.0152
60 mph	0.0020	0.0023	0.0023	0.0029	0.0066	0.0077	0.0136	0.0157
65 mph	0.0020	0.0024	0.0024	0.0029	0.0068	0.0079		
70 mph	0.0021	0.0024	0.0024	0.0030	0.0069	0.0080		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0306	0.0496	0.0513	0.0450
10 mph	0.0032	0.0064	0.0042	0.0053	0.0079	0.0089	0.0153	0.0227
15 mph	0.0026	0.0054	0.0035	0.0045	0.0052	0.0059	0.0121	0.0172
20 mph	0.0021	0.0044	0.0029	0.0037	0.0044	0.0050	0.0103	0.0148
25 mph	0.0018	0.0037	0.0024	0.0031	0.0039	0.0045	0.0090	0.0123
30 mph	0.0016	0.0032	0.0021	0.0027	0.0036	0.0041	0.0079	0.0108
35 mph	0.0014	0.0028	0.0019	0.0025	0.0036	0.0041	0.0071	0.0097
40 mph	0.0013	0.0026	0.0018	0.0023	0.0035	0.0039	0.0065	0.0089
45 mph	0.0013	0.0025	0.0017	0.0022	0.0034	0.0038	0.0061	0.0085
50 mph	0.0013	0.0025	0.0017	0.0022	0.0035	0.0039	0.0061	0.0083
55 mph	0.0013	0.0027	0.0018	0.0024	0.0037	0.0040	0.0062	0.0086
60 mph	0.0014	0.0029	0.0019	0.0025	0.0037	0.0040	0.0067	0.0091
65 mph	0.0016	0.0032	0.0022	0.0029	0.0038	0.0041		
70 mph	0.0018	0.0033	0.0023	0.0031	0.0038	0.0041		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0724	0.0065	0.0319	0.0125	0.0126	0.0042	0.0133	0.0001	0.1535
15 mph	0.0237	0.0021	0.0104	0.0041	0.0041	0.0014	0.0036	0.0000	0.0495
20 mph	0.0394	0.0035	0.0173	0.0068	0.0068	0.0023	0.0060	0.0001	0.0823
25 mph	0.1683	0.0151	0.0741	0.0291	0.0292	0.0098	0.0284	0.0003	0.3544
30 mph	0.1643	0.0148	0.0723	0.0284	0.0286	0.0096	0.0229	0.0002	0.3412
35 mph	0.1247	0.0112	0.0549	0.0215	0.0217	0.0073	0.0096	0.0001	0.2510
40 mph	0.0403	0.0036	0.0177	0.0070	0.0070	0.0023	0.0103	0.0001	0.0883
45 mph	0.0337	0.0030	0.0148	0.0058	0.0058	0.0020	0.0083	0.0001	0.0736
50 mph	0.0348	0.0031	0.0153	0.0060	0.0060	0.0020	0.0138	0.0001	0.0812
55 mph	0.0289	0.0026	0.0127	0.0050	0.0050	0.0017	0.0033	0.0000	0.0592
60 mph	0.0594	0.0053	0.0262	0.0103	0.0104	0.0035	0.0035	0.0000	0.1187
65 mph	0.0076	0.0007	0.0034	0.0013	0.0013	0.0004	-	-	0.0148
70 mph	-	-	-	-	-	-	-	-	-
total	0.7975	0.0717	0.3510	0.1378	0.1387	0.0464	0.1231	0.0013	1.6676

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0060	0.0005	0.0026	0.0022	0.0027	0.0009	-	-	0.0149
15 mph	0.0049	0.0004	0.0022	0.0018	0.0022	0.0007	-	-	0.0122
20 mph	0.0041	0.0004	0.0018	0.0015	0.0018	0.0006	0.0109	0.0001	0.0212
25 mph	0.0070	0.0006	0.0031	0.0025	0.0031	0.0010	0.0163	0.0002	0.0338
30 mph	0.0124	0.0011	0.0054	0.0045	0.0056	0.0019	0.0248	0.0003	0.0559
35 mph	0.0258	0.0023	0.0113	0.0093	0.0116	0.0039	0.0230	0.0002	0.0875
40 mph	0.0278	0.0025	0.0122	0.0100	0.0125	0.0042	0.0204	0.0002	0.0898
45 mph	0.0223	0.0020	0.0098	0.0081	0.0100	0.0034	0.0149	0.0002	0.0707
50 mph	0.0259	0.0023	0.0114	0.0093	0.0116	0.0039	0.0077	0.0001	0.0722
55 mph	0.0149	0.0013	0.0066	0.0054	0.0067	0.0022	0.0040	0.0000	0.0412
60 mph	0.0092	0.0008	0.0041	0.0033	0.0042	0.0014	0.2905	0.0031	0.3166
65 mph	0.0031	0.0003	0.0014	0.0011	0.0014	0.0005	-	-	0.0079
70 mph	0.1470	0.0132	0.0647	0.0535	0.0670	0.0224	-	-	0.3678
total	0.3103	0.0279	0.1366	0.1124	0.1406	0.0470	0.4125	0.0044	1.1917

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0058	0.0017	0.0069	0.0001	0.0145
15 mph	0.0374	0.0034	0.0165	0.0059	0.0063	0.0021	0.0058	0.0001	0.0774
25 mph	-	-	-	-	0.0084	0.0028	0.0180	0.0002	0.0295
35 mph	0.0942	0.0085	0.0415	0.0137	-	-	-	-	0.1579
total	0.1317	0.0118	0.0579	0.0196	0.0205	0.0066	0.0306	0.0004	0.2792

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0058	0.0017	0.0069	0.0001	0.0145
10 mph	0.0784	0.0071	0.0345	0.0147	0.0153	0.0051	0.0133	0.0001	0.1685
15 mph	0.0660	0.0059	0.0290	0.0118	0.0126	0.0042	0.0094	0.0001	0.1391
20 mph	0.0435	0.0039	0.0191	0.0083	0.0087	0.0029	0.0169	0.0002	0.1035
25 mph	0.1753	0.0158	0.0771	0.0316	0.0408	0.0137	0.0627	0.0007	0.4177
30 mph	0.1767	0.0159	0.0778	0.0328	0.0341	0.0114	0.0478	0.0005	0.3970
35 mph	0.2447	0.0220	0.1077	0.0446	0.0333	0.0111	0.0326	0.0004	0.4964
40 mph	0.0680	0.0061	0.0299	0.0170	0.0195	0.0065	0.0307	0.0003	0.1781
45 mph	0.0561	0.0050	0.0247	0.0139	0.0159	0.0053	0.0232	0.0003	0.1443
50 mph	0.0606	0.0054	0.0267	0.0153	0.0176	0.0059	0.0215	0.0002	0.1533
55 mph	0.0438	0.0039	0.0193	0.0104	0.0117	0.0039	0.0073	0.0001	0.1004
60 mph	0.0687	0.0062	0.0303	0.0136	0.0146	0.0049	0.2939	0.0032	0.4353
65 mph	0.0108	0.0010	0.0048	0.0025	0.0028	0.0009	-	-	0.0227
70 mph	0.1470	0.0132	0.0647	0.0535	0.0670	0.0224	-	-	0.3678
total	1.2395	0.1115	0.5455	0.2698	0.2998	0.1001	0.5663	0.0062	3.1385

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0003	0.0004	0.0082	0.0061	0.0466	0.1250	0.1873
15 mph	0.0002	0.0000	0.0001	0.0001	0.0021	0.0016	0.0122	0.0316	0.0481
20 mph	0.0004	0.0000	0.0002	0.0002	0.0036	0.0028	0.0209	0.0543	0.0824
25 mph	0.0016	0.0000	0.0007	0.0009	0.0162	0.0123	0.1002	0.2482	0.3800
30 mph	0.0015	0.0000	0.0006	0.0009	0.0162	0.0122	0.0800	0.1981	0.3095
35 mph	0.0011	0.0000	0.0005	0.0007	0.0132	0.0100	0.0322	0.0805	0.1382
40 mph	0.0003	0.0000	0.0001	0.0002	0.0043	0.0032	0.0328	0.0820	0.1230
45 mph	0.0003	0.0000	0.0001	0.0002	0.0035	0.0026	0.0248	0.0623	0.0937
50 mph	0.0003	0.0000	0.0001	0.0002	0.0037	0.0027	0.0398	0.0990	0.1457
55 mph	0.0002	0.0000	0.0001	0.0001	0.0031	0.0022	0.0095	0.0237	0.0389
60 mph	0.0005	0.0000	0.0002	0.0003	0.0062	0.0044	0.0101	0.0251	0.0469
65 mph	0.0001	0.0000	0.0000	0.0000	0.0008	0.0006	-	-	0.0015
70 mph	-	-	-	-	-	-	-	-	-
total	0.0073	0.0000	0.0030	0.0043	0.0810	0.0605	0.4091	1.0299	1.5952

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0001	0.0018	0.0013	-	-	0.0032
15 mph	0.0000	0.0000	0.0000	0.0001	0.0011	0.0009	-	-	0.0021
20 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0376	0.0980	0.1374
25 mph	0.0001	0.0000	0.0000	0.0001	0.0017	0.0013	0.0575	0.1424	0.2031
30 mph	0.0001	0.0000	0.0000	0.0001	0.0032	0.0024	0.0865	0.2143	0.3067
35 mph	0.0002	0.0000	0.0001	0.0003	0.0071	0.0053	0.0773	0.1936	0.2840
40 mph	0.0002	0.0000	0.0001	0.0003	0.0077	0.0057	0.0650	0.1626	0.2416
45 mph	0.0002	0.0000	0.0001	0.0002	0.0060	0.0044	0.0448	0.1122	0.1679
50 mph	0.0002	0.0000	0.0001	0.0003	0.0071	0.0051	0.0221	0.0549	0.0898
55 mph	0.0001	0.0000	0.0001	0.0002	0.0041	0.0030	0.0114	0.0285	0.0472
60 mph	0.0001	0.0000	0.0000	0.0001	0.0025	0.0018	0.8504	2.1148	2.9697
65 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	-	-	0.0015
70 mph	0.0015	0.0000	0.0006	0.0019	0.0391	0.0278	-	-	0.0708
total	0.0029	0.0000	0.0012	0.0036	0.0831	0.0603	1.2526	3.1213	4.5250

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0038	0.0041	0.0170	0.0271	0.0520
15 mph	0.0004	0.0000	0.0002	0.0002	0.0032	0.0025	0.0195	0.0504	0.0762
25 mph	-	-	-	-	0.0047	0.0035	0.0635	0.1572	0.2288
35 mph	0.0008	0.0000	0.0004	0.0004	-	-	-	-	0.0016
total	0.0012	0.0000	0.0005	0.0006	0.0117	0.0101	0.0999	0.2346	0.3587

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0038	0.0041	0.0170	0.0271	0.0520
10 mph	0.0008	0.0000	0.0003	0.0005	0.0100	0.0074	0.0466	0.1250	0.1905
15 mph	0.0006	0.0000	0.0003	0.0004	0.0065	0.0049	0.0317	0.0820	0.1265
20 mph	0.0004	0.0000	0.0002	0.0003	0.0046	0.0035	0.0585	0.1523	0.2198
25 mph	0.0017	0.0000	0.0007	0.0010	0.0226	0.0171	0.2212	0.5477	0.8119
30 mph	0.0016	0.0000	0.0007	0.0010	0.0193	0.0146	0.1665	0.4125	0.6162
35 mph	0.0022	0.0000	0.0009	0.0014	0.0203	0.0153	0.1095	0.2741	0.4238
40 mph	0.0006	0.0000	0.0002	0.0005	0.0120	0.0089	0.0977	0.2446	0.3646
45 mph	0.0005	0.0000	0.0002	0.0004	0.0095	0.0070	0.0696	0.1745	0.2616
50 mph	0.0005	0.0000	0.0002	0.0004	0.0107	0.0078	0.0619	0.1539	0.2355
55 mph	0.0004	0.0000	0.0001	0.0003	0.0072	0.0052	0.0208	0.0522	0.0861
60 mph	0.0006	0.0000	0.0002	0.0004	0.0087	0.0062	0.8605	2.1400	3.0166
65 mph	0.0001	0.0000	0.0000	0.0001	0.0016	0.0012	-	-	0.0030
70 mph	0.0015	0.0000	0.0006	0.0019	0.0391	0.0278	-	-	0.0708
total	0.0114	0.0000	0.0047	0.0086	0.1758	0.1309	1.7616	4.3858	6.4788

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT)

Surface Street Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
15 mph								-	-
25 mph								-	-
35 mph								-	-
total	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0097	0.0058	0.0238	0.0272	0.0665
10 mph	0.0792	0.0071	0.0348	0.0151	0.0252	0.0125	0.0599	0.1252	0.3590
15 mph	0.0666	0.0059	0.0293	0.0121	0.0191	0.0091	0.0411	0.0821	0.2655
20 mph	0.0439	0.0039	0.0193	0.0085	0.0133	0.0064	0.0755	0.1525	0.3232
25 mph	0.1769	0.0158	0.0778	0.0326	0.0634	0.0308	0.2839	0.5484	1.2296
30 mph	0.1783	0.0159	0.0784	0.0339	0.0534	0.0260	0.2143	0.4130	1.0132
35 mph	0.2469	0.0220	0.1086	0.0459	0.0536	0.0265	0.1421	0.2745	0.9202
40 mph	0.0686	0.0061	0.0302	0.0175	0.0315	0.0155	0.1284	0.2449	0.5427
45 mph	0.0565	0.0050	0.0249	0.0143	0.0254	0.0123	0.0928	0.1747	0.4059
50 mph	0.0611	0.0054	0.0269	0.0158	0.0284	0.0137	0.0835	0.1541	0.3888
55 mph	0.0442	0.0039	0.0194	0.0107	0.0189	0.0091	0.0281	0.0522	0.1865
60 mph	0.0692	0.0062	0.0305	0.0140	0.0233	0.0111	1.1544	2.1431	3.4519
65 mph	0.0109	0.0010	0.0048	0.0025	0.0044	0.0021	-	-	0.0257
70 mph	0.1485	0.0132	0.0653	0.0554	0.1061	0.0501	-	-	0.4386
STREX	0.0041	0.0004	0.0019	0.0033	0.0003	0.0001	0.0003	0.0000	0.0103
total	1.2550	0.1119	0.5521	0.2817	0.4759	0.2311	2.3281	4.3920	**9.6277**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0004	0.0005	0.0005	0.0006	0.0002	0.0002	0.0003	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0041	0.0004	0.0019	0.0033	0.0003	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0041	0.0004	0.0019	0.0033	0.0003	0.0001	0.0003	0.0000

World Logistics Center
Mobile Emissions - 2035 Buildout (Net) - Unmitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0383	0.0372	0.0379	0.0387
10 mph	0.0031	0.0036	0.0033	0.0034	0.0048	0.0047	0.0048	0.0049
15 mph	0.0021	0.0024	0.0022	0.0023	0.0032	0.0031	0.0032	0.0032
20 mph	0.0014	0.0017	0.0015	0.0016	0.0022	0.0022	0.0022	0.0023
25 mph	0.0011	0.0012	0.0011	0.0012	0.0017	0.0016	0.0016	0.0017
30 mph	0.0008	0.0010	0.0009	0.0009	0.0013	0.0013	0.0013	0.0013
35 mph	0.0007	0.0008	0.0007	0.0007	0.0011	0.0010	0.0010	0.0011
40 mph	0.0006	0.0007	0.0006	0.0007	0.0009	0.0009	0.0009	0.0009
45 mph	0.0005	0.0006	0.0006	0.0006	0.0008	0.0008	0.0008	0.0009
50 mph	0.0005	0.0006	0.0006	0.0006	0.0008	0.0008	0.0008	0.0008
55 mph	0.0005	0.0006	0.0006	0.0006	0.0008	0.0008	0.0008	0.0008
60 mph	0.0006	0.0007	0.0006	0.0006	0.0009	0.0009	0.0009	0.0009
65 mph	0.0006	0.0007	0.0007	0.0006	0.0010	0.0010		
70 mph	0.0007	0.0008	0.0007	0.0008	0.0011	0.0011		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7943	0.7957	0.0096	0.0108
10 mph	0.0024	0.0223	0.0087	0.0029	0.0159	0.0283	0.0045	0.0110
15 mph	0.0021	0.0177	0.0076	0.0025	0.0130	0.0239	0.0035	0.0084
20 mph	0.0017	0.0140	0.0065	0.0021	0.0111	0.0202	0.0030	0.0062
25 mph	0.0015	0.0113	0.0055	0.0018	0.0093	0.0172	0.0028	0.0063
30 mph	0.0013	0.0094	0.0049	0.0016	0.0083	0.0152	0.0031	0.0068
35 mph	0.0012	0.0079	0.0044	0.0015	0.0075	0.0138	0.0037	0.0082
40 mph	0.0011	0.0072	0.0041	0.0014	0.0070	0.0127	0.0047	0.0105
45 mph	0.0010	0.0068	0.0038	0.0013	0.0065	0.0118	0.0061	0.0137
50 mph	0.0010	0.0064	0.0035	0.0012	0.0062	0.0111	0.0079	0.0176
55 mph	0.0009	0.0064	0.0033	0.0011	0.0059	0.0105	0.0100	0.0230
60 mph	0.0009	0.0067	0.0032	0.0011	0.0058	0.0104	0.0126	0.0284
65 mph	0.0009	0.0068	0.0032	0.0011	0.0061	0.0107		
70 mph	0.0010	0.0046	0.0032	0.0012	0.0082	0.0125		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0213
10 mph								0.0054
15 mph								0.0045
20 mph								0.0039
25 mph								0.0036
30 mph								0.0033
35 mph								0.0031
40 mph								0.0029
45 mph								0.0028
50 mph								0.0027
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0578	0.0051	0.0232	0.0076	0.0047	0.0013	0.0024	0.0000	0.1023
15 mph	0.0153	0.0014	0.0062	0.0020	0.0013	0.0004	0.0005	0.0000	0.0270
20 mph	0.0215	0.0019	0.0087	0.0028	0.0018	0.0005	0.0008	0.0000	0.0379
25 mph	0.0792	0.0070	0.0319	0.0105	0.0065	0.0018	0.0031	0.0000	0.1402
30 mph	0.0679	0.0060	0.0273	0.0090	0.0056	0.0016	0.0022	0.0000	0.1196
35 mph	0.0457	0.0041	0.0184	0.0061	0.0037	0.0011	0.0008	0.0000	0.0797
40 mph	0.0132	0.0012	0.0053	0.0018	0.0011	0.0003	0.0008	0.0000	0.0236
45 mph	0.0101	0.0009	0.0040	0.0013	0.0008	0.0002	0.0006	0.0000	0.0180
50 mph	0.0097	0.0009	0.0039	0.0013	0.0008	0.0002	0.0009	0.0000	0.0177
55 mph	0.0079	0.0007	0.0032	0.0011	0.0007	0.0002	0.0002	0.0000	0.0139
60 mph	0.0170	0.0015	0.0068	0.0023	0.0014	0.0004	0.0002	0.0000	0.0296
65 mph	0.0024	0.0002	0.0010	0.0003	0.0002	0.0001	-	-	0.0041
70 mph	-	-	-	-	-	-	-	-	-
total	0.3477	0.0309	0.1399	0.0461	0.0285	0.0080	0.0124	0.0001	0.6137

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0048	0.0004	0.0019	0.0013	0.0010	0.0003	-	-	0.0097
15 mph	0.0032	0.0003	0.0013	0.0009	0.0007	0.0002	-	-	0.0065
20 mph	0.0022	0.0002	0.0009	0.0006	0.0005	0.0001	0.0014	0.0000	0.0059
25 mph	0.0033	0.0003	0.0013	0.0009	0.0007	0.0002	0.0018	0.0000	0.0085
30 mph	0.0051	0.0005	0.0021	0.0014	0.0011	0.0003	0.0023	0.0000	0.0128
35 mph	0.0094	0.0008	0.0038	0.0026	0.0020	0.0006	0.0019	0.0000	0.0212
40 mph	0.0091	0.0008	0.0037	0.0025	0.0019	0.0005	0.0015	0.0000	0.0201
45 mph	0.0067	0.0006	0.0027	0.0018	0.0014	0.0004	0.0010	0.0000	0.0146
50 mph	0.0072	0.0006	0.0029	0.0020	0.0015	0.0004	0.0005	0.0000	0.0153
55 mph	0.0041	0.0004	0.0016	0.0011	0.0009	0.0002	0.0003	0.0000	0.0086
60 mph	0.0026	0.0002	0.0011	0.0007	0.0006	0.0002	0.0188	0.0002	0.0244
65 mph	0.0010	0.0001	0.0004	0.0002	0.0002	0.0001	-	-	0.0020
70 mph	0.0505	0.0044	0.0197	0.0138	0.0106	0.0030	-	-	0.1020
total	0.1092	0.0096	0.0433	0.0300	0.0231	0.0065	0.0295	0.0003	0.2515

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0046	0.0013	0.0021	0.0000	0.0080
15 mph	0.0242	0.0022	0.0098	0.0029	0.0019	0.0005	0.0009	0.0000	0.0424
25 mph	-	-	-	-	0.0019	0.0005	0.0019	0.0000	0.0044
35 mph	0.0345	0.0031	0.0139	0.0039	-	-	-	-	0.0553
total	0.0587	0.0052	0.0236	0.0068	0.0083	0.0023	0.0049	0.0001	0.1100

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0046	0.0013	0.0021	0.0000	0.0080
10 mph	0.0626	0.0055	0.0252	0.0090	0.0058	0.0016	0.0024	0.0000	0.1121
15 mph	0.0427	0.0038	0.0172	0.0058	0.0038	0.0011	0.0014	0.0000	0.0759
20 mph	0.0237	0.0021	0.0095	0.0035	0.0022	0.0006	0.0021	0.0000	0.0438
25 mph	0.0825	0.0073	0.0332	0.0114	0.0091	0.0026	0.0067	0.0001	0.1530
30 mph	0.0730	0.0065	0.0294	0.0104	0.0067	0.0019	0.0045	0.0000	0.1324
35 mph	0.0896	0.0080	0.0360	0.0125	0.0058	0.0016	0.0027	0.0000	0.1562
40 mph	0.0223	0.0020	0.0090	0.0043	0.0030	0.0008	0.0023	0.0000	0.0437
45 mph	0.0167	0.0015	0.0067	0.0032	0.0022	0.0006	0.0016	0.0000	0.0326
50 mph	0.0170	0.0015	0.0068	0.0033	0.0023	0.0007	0.0014	0.0000	0.0329
55 mph	0.0120	0.0011	0.0048	0.0022	0.0015	0.0004	0.0005	0.0000	0.0225
60 mph	0.0197	0.0017	0.0079	0.0030	0.0020	0.0006	0.0191	0.0002	0.0540
65 mph	0.0034	0.0003	0.0014	0.0005	0.0004	0.0001	-	-	0.0061
70 mph	0.0505	0.0044	0.0197	0.0138	0.0106	0.0030	-	-	0.1020
total	0.5157	0.0457	0.2069	0.0829	0.0600	0.0169	0.0468	0.0004	0.9752

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0005	0.0000	0.0006	0.0002	0.0164	0.0193	0.0135	0.0607	0.1113
15 mph	0.0002	0.0000	0.0002	0.0001	0.0054	0.0065	0.0035	0.0155	0.0314
20 mph	0.0003	0.0000	0.0004	0.0001	0.0091	0.0111	0.0060	0.0227	0.0496
25 mph	0.0013	0.0000	0.0015	0.0006	0.0386	0.0470	0.0313	0.1273	0.2476
30 mph	0.0013	0.0000	0.0015	0.0005	0.0376	0.0457	0.0310	0.1255	0.2430
35 mph	0.0010	0.0000	0.0011	0.0004	0.0280	0.0339	0.0168	0.0680	0.1492
40 mph	0.0003	0.0000	0.0003	0.0001	0.0086	0.0104	0.0238	0.0968	0.1403
45 mph	0.0002	0.0000	0.0003	0.0001	0.0067	0.0081	0.0247	0.1009	0.1409
50 mph	0.0002	0.0000	0.0002	0.0001	0.0064	0.0076	0.0518	0.2104	0.2768
55 mph	0.0002	0.0000	0.0002	0.0001	0.0048	0.0058	0.0153	0.0635	0.0898
60 mph	0.0003	0.0000	0.0004	0.0001	0.0096	0.0114	0.0191	0.0784	0.1193
65 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0015	-	-	0.0028
70 mph	-	-	-	-	-	-	-	-	-
total	0.0058	0.0000	0.0066	0.0024	0.1726	0.2082	0.2369	0.9694	1.6020

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0035	0.0041	-	-	0.0078
15 mph	0.0000	0.0000	0.0000	0.0000	0.0029	0.0035	-	-	0.0065
20 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0030	0.0108	0.0408	0.0572
25 mph	0.0001	0.0000	0.0001	0.0000	0.0041	0.0050	0.0180	0.0730	0.1003
30 mph	0.0001	0.0000	0.0001	0.0001	0.0073	0.0089	0.0335	0.1357	0.1857
35 mph	0.0002	0.0000	0.0002	0.0002	0.0150	0.0182	0.0404	0.1635	0.2377
40 mph	0.0002	0.0000	0.0002	0.0002	0.0154	0.0186	0.0471	0.1919	0.2736
45 mph	0.0001	0.0000	0.0002	0.0001	0.0115	0.0138	0.0445	0.1818	0.2521
50 mph	0.0002	0.0000	0.0002	0.0001	0.0123	0.0147	0.0288	0.1167	0.1730
55 mph	0.0001	0.0000	0.0001	0.0001	0.0065	0.0077	0.0183	0.0763	0.1091
60 mph	0.0000	0.0000	0.0001	0.0000	0.0039	0.0046	1.6093	6.5962	8.2141
65 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0016	-	-	0.0030
70 mph	0.0008	0.0000	0.0008	0.0007	0.0839	0.0839	-	-	0.1702
total	0.0019	0.0000	0.0021	0.0017	0.1702	0.1876	1.8506	7.5760	9.7902

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0993	0.0658	0.0032	0.0065	0.1747
15 mph	0.0003	0.0000	0.0003	0.0001	0.0082	0.0099	0.0056	0.0246	0.0491
25 mph	-	-	-	-	0.0111	0.0136	0.0199	0.0806	0.1251
35 mph	0.0007	0.0000	0.0008	0.0003	-	-	-	-	0.0018
total	0.0010	0.0000	0.0012	0.0004	0.1186	0.0893	0.0287	0.1117	0.3508

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0993	0.0658	0.0032	0.0065	0.1747
10 mph	0.0006	0.0000	0.0006	0.0003	0.0200	0.0235	0.0135	0.0607	0.1191
15 mph	0.0005	0.0000	0.0006	0.0002	0.0165	0.0199	0.0092	0.0401	0.0869
20 mph	0.0003	0.0000	0.0004	0.0002	0.0116	0.0140	0.0168	0.0635	0.1068
25 mph	0.0014	0.0000	0.0016	0.0006	0.0538	0.0656	0.0692	0.2809	0.4730
30 mph	0.0014	0.0000	0.0016	0.0006	0.0449	0.0546	0.0644	0.2612	0.4288
35 mph	0.0019	0.0000	0.0021	0.0008	0.0430	0.0521	0.0571	0.2316	0.3887
40 mph	0.0005	0.0000	0.0006	0.0003	0.0240	0.0289	0.0709	0.2886	0.4139
45 mph	0.0004	0.0000	0.0004	0.0002	0.0183	0.0219	0.0691	0.2827	0.3930
50 mph	0.0004	0.0000	0.0004	0.0002	0.0187	0.0223	0.0806	0.3271	0.4497
55 mph	0.0002	0.0000	0.0003	0.0001	0.0113	0.0135	0.0336	0.1398	0.1989
60 mph	0.0004	0.0000	0.0004	0.0002	0.0135	0.0159	1.6284	6.6746	8.3334
65 mph	0.0001	0.0000	0.0001	0.0000	0.0026	0.0030	-	-	0.0058
70 mph	0.0008	0.0000	0.0008	0.0007	0.0839	0.0839	-	-	0.1702
total	0.0087	0.0001	0.0099	0.0045	0.4614	0.4850	2.1161	8.6572	11.7429

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT)

Surface Street Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0021	0.0021
15 mph								0.0006	0.0006
20 mph								0.0010	0.0010
25 mph								0.0051	0.0051
30 mph								0.0043	0.0043
35 mph								0.0018	0.0018
40 mph								0.0019	0.0019
45 mph								0.0015	0.0015
50 mph								0.0023	0.0023
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0206	0.0206

Freeway Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0018	0.0018
25 mph								0.0029	0.0029
30 mph								0.0046	0.0046
35 mph								0.0043	0.0043
40 mph								0.0038	0.0038
45 mph								0.0026	0.0026
50 mph								0.0013	0.0013
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0137	0.0137

Internal Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
15 mph								0.0009	0.0009
25 mph								0.0032	0.0032
35 mph								-	-
total	-	-	-	-	-	-	-	0.0051	0.0051

Total Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
10 mph								0.0021	0.0021
15 mph								0.0015	0.0015
20 mph								0.0029	0.0029
25 mph								0.0113	0.0113
30 mph								0.0089	0.0089
35 mph								0.0061	0.0061
40 mph								0.0057	0.0057
45 mph								0.0041	0.0041
50 mph								0.0036	0.0036
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0471	0.0471

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1038	0.0671	0.0053	0.0074	0.1836
10 mph	0.0632	0.0056	0.0258	0.0092	0.0257	0.0251	0.0160	0.0628	0.2333
15 mph	0.0432	0.0038	0.0178	0.0061	0.0203	0.0210	0.0106	0.0416	0.1644
20 mph	0.0240	0.0021	0.0099	0.0036	0.0138	0.0147	0.0189	0.0664	0.1535
25 mph	0.0839	0.0073	0.0348	0.0120	0.0629	0.0682	0.0759	0.2922	0.6373
30 mph	0.0744	0.0065	0.0310	0.0111	0.0515	0.0565	0.0689	0.2702	0.5701
35 mph	0.0915	0.0080	0.0382	0.0134	0.0488	0.0537	0.0599	0.2377	0.5510
40 mph	0.0228	0.0020	0.0095	0.0046	0.0270	0.0298	0.0732	0.2943	0.4632
45 mph	0.0171	0.0015	0.0071	0.0034	0.0205	0.0225	0.0707	0.2868	0.4297
50 mph	0.0173	0.0015	0.0072	0.0035	0.0211	0.0230	0.0820	0.3307	0.4863
55 mph	0.0123	0.0011	0.0051	0.0023	0.0128	0.0139	0.0341	0.1398	0.2214
60 mph	0.0200	0.0017	0.0083	0.0032	0.0154	0.0165	1.6474	6.6748	8.3874
65 mph	0.0035	0.0003	0.0014	0.0006	0.0030	0.0031	-	-	0.0119
70 mph	0.0513	0.0044	0.0206	0.0145	0.0945	0.0869	-	-	0.2722
STREX	0.0102	0.0009	0.0040	0.0059	0.0006	0.0002	0.0004	0.0000	0.0220
total	0.5346	0.0466	0.2208	0.0933	0.5219	0.5020	2.1633	8.7047	**12.7872**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0010	0.0011	0.0010	0.0011	0.0003	0.0003	0.0004	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0102	0.0009	0.0040	0.0059	0.0006	0.0002	0.0004	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0102	0.0009	0.0040	0.0059	0.0006	0.0002	0.0004	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	16.7110	1.2771	6.2875	2.0110	1.6562	0.5537	1.2048	0.0064
Diesel	0.1978	0.0002	0.0612	0.0677	1.8270	1.3825	7.2094	8.8473
Electric/NG	0.9398	0.0396	0.2416	0.0847	-	-	-	0.6374
Total	17.8487	1.3169	6.5904	2.1634	3.4832	1.9362	8.4143	9.4911

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	6.9105	0.5281	2.6001	1.7368	1.7757	0.5937	4.3441	0.0231
Diesel	0.0818	0.0001	0.0253	0.0584	1.9588	1.4823	25.9936	31.8990
Electric/NG	0.3886	0.0164	0.0999	0.0732	-	-	-	2.2983
Total	7.3809	0.5446	2.7253	1.8684	3.7346	2.0760	30.3377	34.2204

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.8013	0.2141	1.0540	0.2883	0.1459	0.0488	0.2062	0.0011
Diesel	0.0332	0.0000	0.0103	0.0097	0.1609	0.1218	1.2340	1.5144
Electric/NG	0.1575	0.0066	0.0405	0.0121	-	-	-	0.1091
Total	2.9921	0.2208	1.1048	0.3102	0.3068	0.1706	1.4403	1.6246

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	26.4228	2.0193	9.9416	4.0361	3.5778	1.1962	5.7552	0.0306	52.9797
Diesel	0.3128	0.0003	0.0968	0.1358	3.9467	2.9865	34.4371	42.2607	84.1767
Electric/NG	1.4860	0.0626	0.3820	0.1700	-	-	-	3.0448	5.1455
Total	28.2217	2.0822	10.4204	4.3419	7.5245	4.1828	40.1922	45.3362	**142.3019**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	138.0773
Internal	94.3759
Total	**232.4532**

World Logistics Center
Mobile Emissions - 2035 Buildout (Net) - Unmitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0353	0.0342	0.0348	0.0356
10 mph	0.0028	0.0033	0.0030	0.0031	0.0044	0.0043	0.0044	0.0045
15 mph	0.0019	0.0022	0.0020	0.0021	0.0029	0.0029	0.0029	0.0030
20 mph	0.0013	0.0015	0.0014	0.0015	0.0021	0.0020	0.0020	0.0021
25 mph	0.0010	0.0011	0.0010	0.0011	0.0015	0.0015	0.0015	0.0015
30 mph	0.0008	0.0009	0.0008	0.0008	0.0012	0.0012	0.0012	0.0012
35 mph	0.0006	0.0007	0.0007	0.0007	0.0010	0.0009	0.0010	0.0010
40 mph	0.0005	0.0006	0.0006	0.0006	0.0008	0.0008	0.0008	0.0009
45 mph	0.0005	0.0006	0.0005	0.0005	0.0008	0.0007	0.0008	0.0008
50 mph	0.0005	0.0006	0.0005	0.0005	0.0007	0.0007	0.0007	0.0008
55 mph	0.0005	0.0006	0.0005	0.0005	0.0008	0.0007	0.0008	0.0008
60 mph	0.0005	0.0006	0.0006	0.0006	0.0008	0.0008	0.0008	0.0008
65 mph	0.0006	0.0007	0.0006	0.0007	0.0009	0.0009		
70 mph	0.0007	0.0007	0.0007	0.0007	0.0010	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7599	0.7612	0.0092	0.0104
10 mph	0.0023	0.0213	0.0083	0.0028	0.0152	0.0271	0.0043	0.0105
15 mph	0.0020	0.0169	0.0072	0.0024	0.0125	0.0228	0.0034	0.0080
20 mph	0.0017	0.0134	0.0062	0.0020	0.0106	0.0194	0.0028	0.0059
25 mph	0.0014	0.0108	0.0053	0.0017	0.0089	0.0165	0.0027	0.0060
30 mph	0.0013	0.0090	0.0047	0.0016	0.0079	0.0146	0.0029	0.0065
35 mph	0.0011	0.0076	0.0042	0.0014	0.0072	0.0132	0.0035	0.0079
40 mph	0.0010	0.0069	0.0039	0.0013	0.0067	0.0121	0.0045	0.0101
45 mph	0.0010	0.0065	0.0036	0.0012	0.0062	0.0113	0.0058	0.0131
50 mph	0.0009	0.0061	0.0034	0.0011	0.0059	0.0107	0.0075	0.0168
55 mph	0.0009	0.0062	0.0032	0.0011	0.0056	0.0101	0.0096	0.0220
60 mph	0.0008	0.0065	0.0031	0.0010	0.0056	0.0099	0.0120	0.0272
65 mph	0.0009	0.0065	0.0031	0.0011	0.0058	0.0102		
70 mph	0.0009	0.0044	0.0031	0.0012	0.0079	0.0119		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0203
10 mph								0.0051
15 mph								0.0043
20 mph								0.0038
25 mph								0.0034
30 mph								0.0031
35 mph								0.0029
40 mph								0.0028
45 mph								0.0027
50 mph								0.0026
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0531	0.0047	0.0214	0.0070	0.0044	0.0012	0.0022	0.0000	0.0941
15 mph	0.0141	0.0013	0.0057	0.0019	0.0012	0.0003	0.0005	0.0000	0.0249
20 mph	0.0197	0.0018	0.0080	0.0026	0.0016	0.0005	0.0007	0.0000	0.0348
25 mph	0.0729	0.0065	0.0294	0.0097	0.0060	0.0017	0.0028	0.0000	0.1289
30 mph	0.0624	0.0055	0.0251	0.0083	0.0051	0.0014	0.0020	0.0000	0.1100
35 mph	0.0420	0.0037	0.0169	0.0056	0.0034	0.0010	0.0007	0.0000	0.0733
40 mph	0.0121	0.0011	0.0049	0.0016	0.0010	0.0003	0.0007	0.0000	0.0217
45 mph	0.0093	0.0008	0.0037	0.0012	0.0008	0.0002	0.0005	0.0000	0.0165
50 mph	0.0089	0.0008	0.0036	0.0012	0.0007	0.0002	0.0008	0.0000	0.0163
55 mph	0.0073	0.0006	0.0029	0.0010	0.0006	0.0002	0.0002	0.0000	0.0128
60 mph	0.0156	0.0014	0.0063	0.0021	0.0013	0.0004	0.0002	0.0000	0.0272
65 mph	0.0022	0.0002	0.0009	0.0003	0.0002	0.0001	-	-	0.0038
70 mph	-	-	-	-	-	-	-	-	-
total	0.3197	0.0284	0.1286	0.0424	0.0262	0.0074	0.0114	0.0001	0.5643

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0044	0.0004	0.0018	0.0012	0.0009	0.0003	-	-	0.0090
15 mph	0.0029	0.0003	0.0012	0.0008	0.0006	0.0002	-	-	0.0059
20 mph	0.0020	0.0002	0.0008	0.0006	0.0004	0.0001	0.0012	0.0000	0.0054
25 mph	0.0030	0.0003	0.0012	0.0008	0.0006	0.0002	0.0016	0.0000	0.0078
30 mph	0.0047	0.0004	0.0019	0.0013	0.0010	0.0003	0.0022	0.0000	0.0118
35 mph	0.0087	0.0008	0.0035	0.0024	0.0018	0.0005	0.0018	0.0000	0.0195
40 mph	0.0084	0.0007	0.0034	0.0023	0.0018	0.0005	0.0014	0.0000	0.0185
45 mph	0.0061	0.0005	0.0025	0.0017	0.0013	0.0004	0.0009	0.0000	0.0134
50 mph	0.0067	0.0006	0.0027	0.0018	0.0014	0.0004	0.0005	0.0000	0.0140
55 mph	0.0038	0.0003	0.0015	0.0010	0.0008	0.0002	0.0002	0.0000	0.0079
60 mph	0.0024	0.0002	0.0010	0.0007	0.0005	0.0001	0.0173	0.0002	0.0224
65 mph	0.0009	0.0001	0.0004	0.0003	0.0002	0.0001	-	-	0.0019
70 mph	0.0464	0.0040	0.0181	0.0127	0.0098	0.0027	-	-	0.0938
total	0.1004	0.0088	0.0398	0.0277	0.0212	0.0060	0.0271	0.0003	0.2313

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0042	0.0012	0.0019	0.0000	0.0073
15 mph	0.0223	0.0020	0.0090	0.0027	0.0018	0.0005	0.0008	0.0000	0.0390
25 mph	-	-	-	-	0.0017	0.0005	0.0018	0.0000	0.0040
35 mph	0.0317	0.0028	0.0128	0.0035	-	-	-	-	0.0508
total	0.0540	0.0048	0.0217	0.0062	0.0077	0.0022	0.0045	0.0000	0.1011

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0042	0.0012	0.0019	0.0000	0.0073
10 mph	0.0575	0.0051	0.0231	0.0082	0.0053	0.0015	0.0022	0.0000	0.1031
15 mph	0.0393	0.0035	0.0158	0.0054	0.0035	0.0010	0.0013	0.0000	0.0698
20 mph	0.0218	0.0019	0.0088	0.0032	0.0021	0.0006	0.0019	0.0000	0.0403
25 mph	0.0759	0.0067	0.0306	0.0105	0.0083	0.0024	0.0062	0.0001	0.1407
30 mph	0.0671	0.0060	0.0270	0.0096	0.0061	0.0017	0.0041	0.0000	0.1217
35 mph	0.0824	0.0073	0.0331	0.0115	0.0053	0.0015	0.0025	0.0000	0.1437
40 mph	0.0205	0.0018	0.0082	0.0039	0.0028	0.0008	0.0021	0.0000	0.0402
45 mph	0.0154	0.0014	0.0062	0.0029	0.0021	0.0006	0.0015	0.0000	0.0300
50 mph	0.0156	0.0014	0.0063	0.0030	0.0021	0.0006	0.0013	0.0000	0.0303
55 mph	0.0111	0.0010	0.0044	0.0020	0.0014	0.0004	0.0004	0.0000	0.0207
60 mph	0.0181	0.0016	0.0072	0.0027	0.0018	0.0005	0.0175	0.0002	0.0497
65 mph	0.0031	0.0003	0.0013	0.0005	0.0004	0.0001	-	-	0.0057
70 mph	0.0464	0.0040	0.0181	0.0127	0.0098	0.0027	-	-	0.0938
total	0.4741	0.0420	0.1902	0.0763	0.0551	0.0155	0.0430	0.0004	0.8967

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0005	0.0000	0.0006	0.0002	0.0157	0.0185	0.0129	0.0580	0.1065
15 mph	0.0002	0.0000	0.0002	0.0001	0.0052	0.0062	0.0034	0.0148	0.0300
20 mph	0.0003	0.0000	0.0003	0.0001	0.0087	0.0106	0.0057	0.0217	0.0475
25 mph	0.0013	0.0000	0.0014	0.0005	0.0369	0.0450	0.0300	0.1218	0.2369
30 mph	0.0012	0.0000	0.0014	0.0005	0.0359	0.0437	0.0296	0.1201	0.2325
35 mph	0.0009	0.0000	0.0010	0.0004	0.0268	0.0324	0.0161	0.0651	0.1427
40 mph	0.0003	0.0000	0.0003	0.0001	0.0082	0.0099	0.0227	0.0926	0.1342
45 mph	0.0002	0.0000	0.0002	0.0001	0.0064	0.0077	0.0236	0.0965	0.1348
50 mph	0.0002	0.0000	0.0002	0.0001	0.0061	0.0073	0.0496	0.2013	0.2648
55 mph	0.0002	0.0000	0.0002	0.0001	0.0046	0.0055	0.0146	0.0607	0.0859
60 mph	0.0003	0.0000	0.0003	0.0001	0.0092	0.0109	0.0183	0.0750	0.1141
65 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0014	-	-	0.0027
70 mph	-	-	-	-	-	-	-	-	-
total	0.0056	0.0000	0.0064	0.0023	0.1651	0.1992	0.2266	0.9275	1.5327

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0034	0.0040	-	-	0.0075
15 mph	0.0000	0.0000	0.0000	0.0000	0.0028	0.0033	-	-	0.0062
20 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0028	0.0103	0.0391	0.0547
25 mph	0.0001	0.0000	0.0001	0.0000	0.0040	0.0048	0.0172	0.0698	0.0960
30 mph	0.0001	0.0000	0.0001	0.0001	0.0070	0.0085	0.0320	0.1299	0.1777
35 mph	0.0002	0.0000	0.0002	0.0002	0.0144	0.0174	0.0386	0.1565	0.2274
40 mph	0.0002	0.0000	0.0002	0.0002	0.0147	0.0178	0.0451	0.1836	0.2617
45 mph	0.0001	0.0000	0.0002	0.0001	0.0110	0.0132	0.0425	0.1740	0.2412
50 mph	0.0002	0.0000	0.0002	0.0001	0.0118	0.0141	0.0275	0.1116	0.1655
55 mph	0.0001	0.0000	0.0001	0.0001	0.0062	0.0074	0.0176	0.0730	0.1044
60 mph	0.0000	0.0000	0.0001	0.0000	0.0037	0.0044	1.5396	6.3109	7.8587
65 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0015	-	-	0.0028
70 mph	0.0008	0.0000	0.0008	0.0007	0.0803	0.0803	-	-	0.1629
total	0.0018	0.0000	0.0020	0.0016	0.1629	0.1795	1.7706	7.2483	9.3667

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0950	0.0629	0.0030	0.0062	0.1672
15 mph	0.0003	0.0000	0.0003	0.0001	0.0078	0.0095	0.0054	0.0235	0.0469
25 mph	-	-	-	-	0.0106	0.0130	0.0190	0.0771	0.1197
35 mph	0.0007	0.0000	0.0008	0.0002	-	-	-	-	0.0017
total	0.0010	0.0000	0.0011	0.0003	0.1135	0.0854	0.0274	0.1069	0.3356

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0950	0.0629	0.0030	0.0062	0.1672
10 mph	0.0005	0.0000	0.0006	0.0002	0.0191	0.0225	0.0129	0.0580	0.1140
15 mph	0.0005	0.0000	0.0006	0.0002	0.0157	0.0191	0.0088	0.0383	0.0832
20 mph	0.0003	0.0000	0.0004	0.0001	0.0111	0.0134	0.0161	0.0607	0.1022
25 mph	0.0013	0.0000	0.0015	0.0006	0.0515	0.0628	0.0662	0.2687	0.4526
30 mph	0.0013	0.0000	0.0015	0.0006	0.0429	0.0523	0.0617	0.2499	0.4102
35 mph	0.0018	0.0000	0.0020	0.0008	0.0412	0.0498	0.0547	0.2216	0.3719
40 mph	0.0005	0.0000	0.0005	0.0003	0.0230	0.0277	0.0679	0.2761	0.3959
45 mph	0.0004	0.0000	0.0004	0.0002	0.0175	0.0209	0.0661	0.2705	0.3760
50 mph	0.0004	0.0000	0.0004	0.0002	0.0179	0.0213	0.0771	0.3129	0.4303
55 mph	0.0002	0.0000	0.0003	0.0001	0.0108	0.0129	0.0322	0.1337	0.1903
60 mph	0.0003	0.0000	0.0004	0.0002	0.0129	0.0152	1.5580	6.3859	7.9729
65 mph	0.0001	0.0000	0.0001	0.0000	0.0025	0.0029	-	-	0.0055
70 mph	0.0008	0.0000	0.0008	0.0007	0.0803	0.0803	-	-	0.1629
total	0.0084	0.0001	0.0095	0.0043	0.4414	0.4640	2.0246	8.2827	11.2350

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT)

Surface Street Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0020	0.0020
15 mph								0.0006	0.0006
20 mph								0.0010	0.0010
25 mph								0.0049	0.0049
30 mph								0.0041	0.0041
35 mph								0.0017	0.0017
40 mph								0.0018	0.0018
45 mph								0.0014	0.0014
50 mph								0.0022	0.0022
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0197	0.0197

Freeway Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0018	0.0018
25 mph								0.0028	0.0028
30 mph								0.0044	0.0044
35 mph								0.0041	0.0041
40 mph								0.0036	0.0036
45 mph								0.0025	0.0025
50 mph								0.0012	0.0012
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0131	0.0131

Internal Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
15 mph								0.0009	0.0009
25 mph								0.0031	0.0031
35 mph								-	-
total	-	-	-	-	-	-	-	0.0049	0.0049

Total Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
10 mph								0.0020	0.0020
15 mph								0.0015	0.0015
20 mph								0.0027	0.0027
25 mph								0.0108	0.0108
30 mph								0.0085	0.0085
35 mph								0.0059	0.0059
40 mph								0.0054	0.0054
45 mph								0.0039	0.0039
50 mph								0.0034	0.0034
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0450	0.0450

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0992	0.0641	0.0050	0.0071	0.1754
10 mph	0.0581	0.0051	0.0238	0.0085	0.0244	0.0239	0.0152	0.0601	0.2190
15 mph	0.0398	0.0035	0.0164	0.0056	0.0193	0.0201	0.0101	0.0398	0.1544
20 mph	0.0221	0.0019	0.0091	0.0033	0.0131	0.0140	0.0180	0.0635	0.1452
25 mph	0.0772	0.0068	0.0321	0.0111	0.0598	0.0651	0.0724	0.2795	0.6040
30 mph	0.0685	0.0060	0.0285	0.0102	0.0491	0.0540	0.0658	0.2585	0.5405
35 mph	0.0842	0.0073	0.0352	0.0123	0.0465	0.0513	0.0572	0.2275	0.5214
40 mph	0.0210	0.0018	0.0088	0.0042	0.0258	0.0285	0.0700	0.2816	0.4416
45 mph	0.0157	0.0014	0.0066	0.0031	0.0195	0.0215	0.0676	0.2744	0.4099
50 mph	0.0159	0.0014	0.0067	0.0032	0.0201	0.0219	0.0784	0.3164	0.4640
55 mph	0.0113	0.0010	0.0047	0.0021	0.0122	0.0133	0.0326	0.1337	0.2110
60 mph	0.0184	0.0016	0.0076	0.0029	0.0147	0.0157	1.5755	6.3860	8.0225
65 mph	0.0032	0.0003	0.0013	0.0006	0.0029	0.0030	-	-	0.0112
70 mph	0.0472	0.0040	0.0189	0.0134	0.0900	0.0830	-	-	0.2566
STREX	0.0094	0.0008	0.0037	0.0054	0.0005	0.0001	0.0003	0.0000	0.0203
total	0.4919	0.0429	0.2033	0.0861	0.4971	0.4797	2.0679	8.3281	**12.1970**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0009	0.0010	0.0010	0.0010	0.0003	0.0003	0.0004	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0094	0.0008	0.0037	0.0054	0.0005	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0094	0.0008	0.0037	0.0054	0.0005	0.0001	0.0003	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	6.6284	0.5066	2.4939	0.7976	0.6818	0.2292	0.4982	0.0025
Diesel	0.0785	0.0001	0.0243	0.0268	0.7387	0.5632	2.9812	3.2098
Electric/NG	0.3728	0.0157	0.0958	0.0336	-	-	-	0.2313
Total	7.0796	0.5223	2.6141	0.8581	1.4205	0.7924	3.4794	3.4435

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.7410	0.2095	1.0313	0.6889	0.7310	0.2457	1.7964	0.0089
Diesel	0.0325	0.0000	0.0100	0.0232	0.7920	0.6039	10.7488	11.5729
Electric/NG	0.1542	0.0065	0.0396	0.0290	-	-	-	0.8338
Total	2.9276	0.2160	1.0810	0.7411	1.5230	0.8496	12.5451	12.4156

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.1111	0.0849	0.4181	0.1144	0.0601	0.0202	0.0853	0.0004
Diesel	0.0132	0.0000	0.0041	0.0038	0.0651	0.0496	0.5103	0.5494
Electric/NG	0.0625	0.0026	0.0161	0.0048	-	-	-	0.0396
Total	1.1868	0.0876	0.4382	0.1230	0.1251	0.0698	0.5956	0.5894

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	10.4806	0.8010	3.9433	1.6009	1.4728	0.4951	2.3799	0.0118	21.1853
Diesel	0.1241	0.0001	0.0384	0.0539	1.5958	1.2167	14.2403	15.3321	32.6014
Electric/NG	0.5894	0.0248	0.1515	0.0674	-	-	-	1.1047	1.9379
Total	11.1941	0.8259	4.1332	1.7222	3.0686	1.7118	16.6202	16.4486	**55.7246**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	33.8917
Internal	23.1650
Total	**57.0567**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0764	0.0494	0.0038	0.0055	0.1350
10 mph	0.0372	0.0033	0.0152	0.0054	0.0188	0.0184	0.0117	0.0462	0.1562
15 mph	0.0254	0.0022	0.0105	0.0036	0.0148	0.0154	0.0078	0.0306	0.1104
20 mph	0.0141	0.0012	0.0059	0.0021	0.0101	0.0108	0.0139	0.0489	0.1071
25 mph	0.0494	0.0043	0.0205	0.0071	0.0461	0.0501	0.0557	0.2152	0.4486
30 mph	0.0438	0.0038	0.0183	0.0065	0.0378	0.0416	0.0507	0.1990	0.4015
35 mph	0.0539	0.0047	0.0225	0.0079	0.0358	0.0395	0.0440	0.1751	0.3834
40 mph	0.0134	0.0012	0.0056	0.0027	0.0198	0.0219	0.0539	0.2168	0.3353
45 mph	0.0101	0.0009	0.0042	0.0020	0.0150	0.0166	0.0520	0.2113	0.3122
50 mph	0.0102	0.0009	0.0043	0.0021	0.0155	0.0169	0.0604	0.2436	0.3537
55 mph	0.0072	0.0006	0.0030	0.0014	0.0094	0.0102	0.0251	0.1030	0.1600
60 mph	0.0118	0.0010	0.0049	0.0019	0.0113	0.0121	1.2131	4.9173	6.1734
65 mph	0.0020	0.0002	0.0008	0.0004	0.0022	0.0023	-	-	0.0079
70 mph	0.0302	0.0026	0.0121	0.0086	0.0693	0.0639	-	-	0.1867
total	0.3088	0.0269	0.1278	0.0516	0.3824	0.3692	1.5920	6.4126	9.2714

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2035 Buildout (Net) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	2,870	2.40	0.32	0.0005	1.34	0.0019	5.47
2	L	4,033	2.40	0.32	0.0005	1.89	0.0019	7.68
3	L	3,825	2.40	0.32	0.0005	1.79	0.0019	7.29
5	L	6,185	2.40	0.32	0.0005	2.89	0.0019	11.78
6	L	12,398	2.40	0.32	0.0005	5.80	0.0019	23.62
8	L	9,241	2.40	0.32	0.0005	4.32	0.0019	17.61
11	L	(1,862)	2.40	0.32	0.0005	(0.87)	0.0019	(3.55)
12	L	(2,839)	2.40	0.32	0.0005	(1.33)	0.0019	(5.41)
14	L	(1,521)	2.40	0.32	0.0005	(0.71)	0.0019	(2.90)
18	L	1,606	2.40	0.32	0.0005	0.75	0.0019	3.06
19	L	7,654	2.40	0.32	0.0005	3.58	0.0019	14.58
21	L	3,932	2.40	0.32	0.0005	1.84	0.0019	7.49
24	L	8,845	2.40	0.32	0.0005	4.14	0.0019	16.85
30	L	(8,688)	2.40	0.32	0.0005	(4.06)	0.0019	(16.55)
29	L	4,159	2.40	0.32	0.0005	1.94	0.0019	7.92
31	L	(299)	2.40	0.32	0.0005	(0.14)	0.0019	(0.57)
TOTAL						23.16		94.38

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2035 Buildout (Net) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	381,501	2.40	0.032	0.0001	21.95	0.0002	89.42
Freeway	F	413,706	2.40	0.015	0.0000	11.94	0.0001	48.66
TOTAL		795,208				33.89		138.08

World Logistics Center
Mobile Emissions - 2035 Buildout (Net) - Unmitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0045	0.0054	0.0052	0.0055	0.0064	0.0072	0.0139	0.2046
15 mph	0.0040	0.0047	0.0046	0.0048	0.0056	0.0063	0.0123	0.1805
20 mph	0.0036	0.0042	0.0041	0.0043	0.0051	0.0057	0.0110	0.1619
25 mph	0.0033	0.0039	0.0037	0.0039	0.0046	0.0052	0.0100	0.1478
30 mph	0.0030	0.0036	0.0035	0.0037	0.0043	0.0048	0.0093	0.1371
35 mph	0.0029	0.0034	0.0033	0.0035	0.0041	0.0046	0.0087	0.1291
40 mph	0.0028	0.0032	0.0031	0.0033	0.0039	0.0043	0.0083	0.1232
45 mph	0.0027	0.0031	0.0030	0.0032	0.0038	0.0042	0.0081	0.1195
50 mph	0.0026	0.0031	0.0030	0.0032	0.0037	0.0042	0.0079	0.1181
55 mph	0.0027	0.0031	0.0030	0.0032	0.0038	0.0042	0.0080	0.1191
60 mph	0.0028	0.0033	0.0031	0.0034	0.0039	0.0044	0.0083	0.1229
65 mph	0.0029	0.0034	0.0033	0.0035	0.0041	0.0046	0.0087	0.1293
70 mph	0.0031	0.0037	0.0034	0.0037	0.0044	0.0047	0.0085	0.1347

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0527	0.1072	0.0703	0.0875	0.1320	0.1478	0.2553	0.3770
15 mph	0.0434	0.0891	0.0583	0.0742	0.0860	0.0981	0.2007	0.2863
20 mph	0.0356	0.0731	0.0479	0.0616	0.0734	0.0838	0.1715	0.2457
25 mph	0.0298	0.0611	0.0402	0.0521	0.0651	0.0746	0.1496	0.2041
30 mph	0.0258	0.0525	0.0347	0.0451	0.0591	0.0674	0.1314	0.1792
35 mph	0.0233	0.0470	0.0313	0.0409	0.0592	0.0675	0.1174	0.1619
40 mph	0.0219	0.0438	0.0293	0.0383	0.0576	0.0650	0.1076	0.1483
45 mph	0.0211	0.0423	0.0282	0.0368	0.0562	0.0626	0.1020	0.1408
50 mph	0.0212	0.0422	0.0282	0.0370	0.0590	0.0649	0.1007	0.1377
55 mph	0.0221	0.0442	0.0295	0.0391	0.0615	0.0671	0.1036	0.1429
60 mph	0.0240	0.0480	0.0320	0.0423	0.0622	0.0673	0.1107	0.1516
65 mph	0.0270	0.0535	0.0359	0.0476	0.0630	0.0676	0.1220	0.1642
70 mph	0.0293	0.0557	0.0386	0.0515	0.0637	0.0685	0.1232	0.1671

*US EPA Emission Factors for Greenhouse Gas Inventories. (Idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.8140
15 mph								0.6830
20 mph								0.5964
25 mph								0.5501
30 mph								0.5205
35 mph								0.4971
40 mph								0.4779
45 mph								0.4617
50 mph								0.4479
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0847	0.0077	0.0365	0.0124	0.0063	0.0021	0.0071	0.0010	0.1578
15 mph	0.0297	0.0027	0.0128	0.0043	0.0022	0.0007	0.0021	0.0003	0.0548
20 mph	0.0534	0.0048	0.0230	0.0078	0.0040	0.0013	0.0037	0.0005	0.0986
25 mph	0.2441	0.0220	0.1047	0.0355	0.0181	0.0059	0.0187	0.0026	0.4516
30 mph	0.2500	0.0225	0.1068	0.0362	0.0185	0.0060	0.0157	0.0022	0.4580
35 mph	0.1935	0.0174	0.0823	0.0280	0.0143	0.0047	0.0066	0.0009	0.3477
40 mph	0.0617	0.0055	0.0262	0.0089	0.0046	0.0015	0.0070	0.0010	0.1164
45 mph	0.0497	0.0045	0.0211	0.0072	0.0037	0.0012	0.0055	0.0008	0.0936
50 mph	0.0492	0.0044	0.0209	0.0071	0.0037	0.0012	0.0087	0.0012	0.0964
55 mph	0.0398	0.0036	0.0170	0.0058	0.0030	0.0010	0.0020	0.0003	0.0723
60 mph	0.0826	0.0075	0.0354	0.0121	0.0061	0.0020	0.0021	0.0003	0.1480
65 mph	0.0108	0.0010	0.0046	0.0016	0.0008	0.0003	-	-	0.0191
70 mph	-	-	-	-	-	-	-	-	-
total	1.1490	0.1036	0.4914	0.1670	0.0853	0.0277	0.0793	0.0109	2.1141

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0070	0.0006	0.0030	0.0021	0.0014	0.0004	-	-	0.0146
15 mph	0.0061	0.0006	0.0027	0.0019	0.0012	0.0004	-	-	0.0128
20 mph	0.0055	0.0005	0.0024	0.0017	0.0011	0.0003	0.0067	0.0009	0.0191
25 mph	0.0101	0.0009	0.0043	0.0031	0.0019	0.0006	0.0107	0.0015	0.0331
30 mph	0.0188	0.0017	0.0080	0.0057	0.0036	0.0012	0.0170	0.0023	0.0583
35 mph	0.0400	0.0036	0.0170	0.0121	0.0077	0.0025	0.0160	0.0022	0.1010
40 mph	0.0425	0.0038	0.0181	0.0128	0.0082	0.0027	0.0140	0.0019	0.1039
45 mph	0.0329	0.0030	0.0140	0.0100	0.0063	0.0021	0.0098	0.0014	0.0794
50 mph	0.0366	0.0033	0.0156	0.0111	0.0071	0.0023	0.0049	0.0007	0.0814
55 mph	0.0205	0.0019	0.0088	0.0062	0.0040	0.0013	0.0024	0.0003	0.0454
60 mph	0.0128	0.0012	0.0055	0.0039	0.0025	0.0008	0.1768	0.0243	0.2278
65 mph	0.0045	0.0004	0.0019	0.0014	0.0009	0.0003	-	-	0.0093
70 mph	0.2180	0.0199	0.0912	0.0669	0.0424	0.0133	-	-	0.4517
total	0.4554	0.0413	0.1924	0.1388	0.0881	0.0281	0.2583	0.0355	1.2379

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0016	0.0005	0.0007	0.0000	0.0028
15 mph	0.0469	0.0043	0.0203	0.0063	0.0034	0.0011	0.0033	0.0005	0.0859
25 mph	-	-	-	-	0.0052	0.0017	0.0118	0.0016	0.0204
35 mph	0.1462	0.0131	0.0622	0.0178	-	-	-	-	0.2393
total	0.1931	0.0174	0.0825	0.0241	0.0102	0.0032	0.0159	0.0021	0.3484

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0016	0.0005	0.0007	0.0000	0.0028
10 mph	0.0917	0.0083	0.0396	0.0146	0.0077	0.0025	0.0071	0.0010	0.1724
15 mph	0.0828	0.0075	0.0357	0.0125	0.0067	0.0022	0.0054	0.0007	0.1535
20 mph	0.0589	0.0053	0.0254	0.0095	0.0051	0.0016	0.0104	0.0014	0.1177
25 mph	0.2542	0.0229	0.1091	0.0385	0.0253	0.0082	0.0412	0.0056	0.5051
30 mph	0.2687	0.0242	0.1149	0.0419	0.0222	0.0072	0.0327	0.0045	0.5163
35 mph	0.3797	0.0341	0.1615	0.0579	0.0220	0.0072	0.0226	0.0031	0.6881
40 mph	0.1042	0.0093	0.0443	0.0218	0.0127	0.0041	0.0210	0.0029	0.2203
45 mph	0.0826	0.0074	0.0351	0.0172	0.0100	0.0033	0.0153	0.0021	0.1730
50 mph	0.0858	0.0077	0.0365	0.0182	0.0107	0.0035	0.0136	0.0019	0.1778
55 mph	0.0603	0.0054	0.0257	0.0120	0.0069	0.0022	0.0045	0.0006	0.1178
60 mph	0.0954	0.0086	0.0409	0.0160	0.0086	0.0028	0.1789	0.0246	0.3757
65 mph	0.0153	0.0014	0.0065	0.0030	0.0017	0.0005	-	-	0.0284
70 mph	0.2180	0.0199	0.0912	0.0669	0.0424	0.0133	-	-	0.4517
total	1.7975	0.1622	0.7663	0.3299	0.1836	0.0591	0.3535	0.0485	3.7005

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0117	0.0000	0.0048	0.0066	0.1363	0.1010	0.7758	2.0805	3.1167
15 mph	0.0038	0.0000	0.0016	0.0022	0.0355	0.0268	0.2034	0.5265	0.7999
20 mph	0.0063	0.0000	0.0026	0.0037	0.0606	0.0458	0.3474	0.9040	1.3705
25 mph	0.0264	0.0001	0.0110	0.0158	0.2688	0.2040	1.6673	4.1291	6.3223
30 mph	0.0251	0.0000	0.0105	0.0150	0.2687	0.2025	1.3311	3.2966	5.1495
35 mph	0.0186	0.0000	0.0077	0.0111	0.2201	0.1659	0.5351	1.3401	2.2987
40 mph	0.0058	0.0000	0.0024	0.0035	0.0714	0.0533	0.5450	1.3642	2.0457
45 mph	0.0047	0.0000	0.0019	0.0028	0.0581	0.0427	0.4133	1.0357	1.5593
50 mph	0.0047	0.0000	0.0019	0.0028	0.0609	0.0443	0.6629	1.6466	2.4242
55 mph	0.0039	0.0000	0.0016	0.0024	0.0509	0.0367	0.1574	0.3942	0.6470
60 mph	0.0085	0.0000	0.0035	0.0051	0.1027	0.0736	0.1682	0.4182	0.7799
65 mph	0.0012	0.0000	0.0005	0.0007	0.0130	0.0092	-	-	0.0247
70 mph	-	-	-	-	-	-	-	-	-
total	0.1206	0.0002	0.0501	0.0717	1.3471	1.0058	6.8070	17.1358	26.5384

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0010	0.0000	0.0004	0.0011	0.0292	0.0216	-	-	0.0534
15 mph	0.0008	0.0000	0.0003	0.0010	0.0191	0.0144	-	-	0.0355
20 mph	0.0007	0.0000	0.0003	0.0008	0.0163	0.0123	0.6263	1.6297	2.2863
25 mph	0.0011	0.0000	0.0005	0.0014	0.0288	0.0219	0.9564	2.3685	3.3784
30 mph	0.0019	0.0000	0.0008	0.0024	0.0524	0.0395	1.4398	3.5658	5.1024
35 mph	0.0038	0.0000	0.0016	0.0048	0.1180	0.0889	1.2863	3.2211	4.7246
40 mph	0.0040	0.0000	0.0017	0.0050	0.1276	0.0953	1.0808	2.7053	4.0196
45 mph	0.0031	0.0000	0.0013	0.0038	0.0996	0.0733	0.7452	1.8672	2.7935
50 mph	0.0035	0.0000	0.0014	0.0044	0.1176	0.0856	0.3677	0.9133	1.4935
55 mph	0.0020	0.0000	0.0008	0.0026	0.0682	0.0491	0.1892	0.4738	0.7857
60 mph	0.0013	0.0000	0.0005	0.0017	0.0413	0.0296	14.1482	35.1864	49.4090
65 mph	0.0005	0.0000	0.0002	0.0006	0.0140	0.0099	-	-	0.0252
70 mph	0.0246	0.0000	0.0100	0.0309	0.6494	0.4618	-	-	1.1769
total	0.0482	0.0001	0.0198	0.0604	1.3814	1.0032	20.8398	51.9310	75.2840

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0006	0.0004	0.0016	0.0029	0.0055
15 mph	0.0061	0.0000	0.0025	0.0032	0.0540	0.0407	0.3237	0.8382	1.2686
25 mph	-	-	-	-	0.0776	0.0588	1.0560	2.6150	3.8074
35 mph	0.0140	0.0000	0.0058	0.0071	-	-	-	-	0.0270
total	0.0201	0.0000	0.0084	0.0103	0.1321	0.1000	1.3813	3.4562	5.1084

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0006	0.0004	0.0016	0.0029	0.0055
10 mph	0.0126	0.0000	0.0052	0.0078	0.1656	0.1226	0.7758	2.0805	3.1701
15 mph	0.0107	0.0000	0.0044	0.0065	0.1086	0.0819	0.5271	1.3648	2.1040
20 mph	0.0069	0.0000	0.0029	0.0045	0.0769	0.0581	0.9737	2.5337	3.6568
25 mph	0.0275	0.0001	0.0114	0.0171	0.3752	0.2847	3.6796	9.1126	13.5081
30 mph	0.0270	0.0001	0.0112	0.0173	0.3211	0.2420	2.7709	6.8624	10.2519
35 mph	0.0365	0.0001	0.0151	0.0230	0.3381	0.2549	1.8214	4.5611	7.0503
40 mph	0.0098	0.0000	0.0041	0.0085	0.1990	0.1486	1.6258	4.0695	6.0653
45 mph	0.0078	0.0000	0.0032	0.0066	0.1577	0.1160	1.1585	2.9029	4.3528
50 mph	0.0082	0.0000	0.0034	0.0072	0.1785	0.1299	1.0307	2.5599	3.9177
55 mph	0.0059	0.0000	0.0025	0.0049	0.1190	0.0858	0.3466	0.8679	1.4327
60 mph	0.0098	0.0000	0.0040	0.0068	0.1440	0.1032	14.3163	35.6046	50.1888
65 mph	0.0017	0.0000	0.0007	0.0013	0.0270	0.0191	-	-	0.0498
70 mph	0.0246	0.0000	0.0100	0.0309	0.6494	0.4618	-	-	1.1769
total	0.1889	0.0004	0.0782	0.1425	2.8607	2.1090	29.0281	72.5229	106.9307

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT)

Surface Street Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.3185	0.3185
15 mph								0.0891	0.0891
20 mph								0.1556	0.1556
25 mph								0.7893	0.7893
30 mph								0.6789	0.6789
35 mph								0.2918	0.2918
40 mph								0.3117	0.3117
45 mph								0.2409	0.2409
50 mph								0.3797	0.3797
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.2555	3.2555

Freeway Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.2805	0.2805
25 mph								0.4527	0.4527
30 mph								0.7344	0.7344
35 mph								0.7013	0.7013
40 mph								0.6181	0.6181
45 mph								0.4343	0.4343
50 mph								0.2106	0.2106
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.1689	2.1689

Internal Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0006	0.0006
15 mph								0.1418	0.1418
25 mph								0.4999	0.4999
35 mph								-	-
total	-	-	-	-	-	-	-	0.6423	0.6423

Total Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0006	0.0006
10 mph								0.3185	0.3185
15 mph								0.2309	0.2309
20 mph								0.4361	0.4361
25 mph								1.7418	1.7418
30 mph								1.4133	1.4133
35 mph								0.9931	0.9931
40 mph								0.9297	0.9297
45 mph								0.6752	0.6752
50 mph								0.5903	0.5903
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	7.3297	7.3297

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0022	0.0009	0.0023	0.0035	0.0088
10 mph	0.1043	0.0083	0.0448	0.0223	0.1732	0.1251	0.7829	2.4000	3.6610
15 mph	0.0934	0.0075	0.0402	0.0190	0.1153	0.0841	0.5325	1.5964	2.4885
20 mph	0.0659	0.0053	0.0283	0.0140	0.0819	0.0597	0.9841	2.9712	4.2105
25 mph	0.2816	0.0230	0.1205	0.0557	0.4004	0.2929	3.7208	10.8600	15.7550
30 mph	0.2958	0.0242	0.1261	0.0593	0.3432	0.2492	2.8036	8.2802	12.1815
35 mph	0.4161	0.0342	0.1767	0.0809	0.3602	0.2620	1.8440	5.5574	8.7315
40 mph	0.1139	0.0094	0.0483	0.0302	0.2118	0.1527	1.6469	5.0021	7.2153
45 mph	0.0904	0.0074	0.0383	0.0238	0.1677	0.1193	1.1738	3.5802	5.2010
50 mph	0.0939	0.0077	0.0398	0.0254	0.1892	0.1334	1.0443	3.1521	4.6858
55 mph	0.0662	0.0055	0.0282	0.0170	0.1259	0.0880	0.3511	0.8686	1.5505
60 mph	0.1052	0.0087	0.0449	0.0228	0.1526	0.1060	14.4953	35.6293	50.5646
65 mph	0.0170	0.0014	0.0072	0.0043	0.0286	0.0197	-	-	0.0782
70 mph	0.2426	0.0199	0.1012	0.0978	0.6919	0.4751	-	-	1.6286
STREX	0.1891	0.0157	0.0776	0.1162	0.0536	0.0157	0.0259	0.0000	0.4938
total	2.1756	0.1783	0.9222	0.5886	3.0979	2.1837	29.4074	79.9010	**118.4547**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0186	0.0202	0.0203	0.0213	0.0310	0.0312	0.0299	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1891	0.0157	0.0776	0.1162	0.0536	0.0157	0.0259	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1891	0.0157	0.0776	0.1162	0.0536	0.0157	0.0259	0.0000

World Logistics Center
Mobile Emissions - 2035 Buildout (Net) - Unmitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.7508	1.7736	3.3724	2.3482
10 mph	0.0035	0.0055	0.0058	0.0064	0.0059	0.0054	0.0122	0.2946
15 mph	0.0023	0.0037	0.0039	0.0042	0.0039	0.0036	0.0081	0.1958
20 mph	0.0016	0.0026	0.0027	0.0030	0.0027	0.0025	0.0057	0.1371
25 mph	0.0012	0.0019	0.0020	0.0022	0.0020	0.0019	0.0042	0.1013
30 mph	0.0009	0.0015	0.0016	0.0017	0.0016	0.0014	0.0033	0.0790
35 mph	0.0008	0.0012	0.0013	0.0014	0.0013	0.0012	0.0027	0.0649
40 mph	0.0007	0.0011	0.0011	0.0012	0.0011	0.0010	0.0023	0.0564
45 mph	0.0006	0.0010	0.0010	0.0011	0.0010	0.0009	0.0021	0.0517
50 mph	0.0006	0.0010	0.0010	0.0011	0.0010	0.0009	0.0020	0.0499
55 mph	0.0006	0.0010	0.0010	0.0011	0.0010	0.0009	0.0021	0.0507
60 mph	0.0006	0.0010	0.0011	0.0012	0.0011	0.0010	0.0022	0.0542
65 mph	0.0007	0.0011	0.0012	0.0013	0.0012	0.0011		
70 mph	0.0008	0.0013	0.0012	0.0014	0.0014	0.0012		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0235	0.1098
10 mph	0.0032	0.0095	0.0092	0.0036	0.0260	0.0261	0.0016	0.0037
15 mph	0.0015	0.0049	0.0045	0.0018	0.0128	0.0129	0.0009	0.0021
20 mph	0.0006	0.0022	0.0017	0.0007	0.0052	0.0052	0.0006	0.0013
25 mph	0.0004	0.0014	0.0010	0.0004	0.0032	0.0032	0.0005	0.0011
30 mph	0.0003	0.0011	0.0008	0.0003	0.0024	0.0025	0.0004	0.0009
35 mph	0.0002	0.0009	0.0006	0.0003	0.0020	0.0020	0.0003	0.0007
40 mph	0.0002	0.0007	0.0005	0.0002	0.0016	0.0017	0.0003	0.0006
45 mph	0.0002	0.0007	0.0004	0.0002	0.0014	0.0015	0.0002	0.0006
50 mph	0.0001	0.0006	0.0004	0.0002	0.0013	0.0013	0.0002	0.0006
55 mph	0.0001	0.0006	0.0003	0.0001	0.0011	0.0012	0.0003	0.0006
60 mph	0.0001	0.0006	0.0003	0.0001	0.0011	0.0011	0.0003	0.0007
65 mph	0.0001	0.0006	0.0003	0.0001	0.0012	0.0012		
70 mph	0.0001	0.0004	0.0003	0.0001	0.0016	0.0016		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.8656
10 mph								10.5313
15 mph								7.3288
20 mph								5.2433
25 mph								3.8449
30 mph								2.8421
35 mph								2.1020
40 mph								1.5562
45 mph								1.1541
50 mph								0.8585
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0657	0.0079	0.0409	0.0143	0.0058	0.0016	0.0062	0.0014	0.1437
15 mph	0.0174	0.0021	0.0109	0.0038	0.0015	0.0004	0.0014	0.0003	0.0379
20 mph	0.0244	0.0030	0.0154	0.0054	0.0022	0.0006	0.0019	0.0004	0.0532
25 mph	0.0901	0.0110	0.0568	0.0198	0.0079	0.0021	0.0078	0.0017	0.1974
30 mph	0.0771	0.0095	0.0486	0.0170	0.0068	0.0018	0.0055	0.0012	0.1676
35 mph	0.0519	0.0064	0.0325	0.0115	0.0046	0.0012	0.0020	0.0005	0.1105
40 mph	0.0150	0.0018	0.0094	0.0033	0.0013	0.0004	0.0020	0.0004	0.0337
45 mph	0.0115	0.0014	0.0072	0.0025	0.0010	0.0003	0.0014	0.0003	0.0257
50 mph	0.0111	0.0014	0.0069	0.0024	0.0010	0.0003	0.0022	0.0005	0.0258
55 mph	0.0090	0.0011	0.0056	0.0020	0.0008	0.0002	0.0005	0.0001	0.0194
60 mph	0.0190	0.0023	0.0118	0.0042	0.0017	0.0004	0.0006	0.0001	0.0401
65 mph	0.0027	0.0003	0.0016	0.0006	0.0002	0.0001	-	-	0.0055
70 mph	-	-	-	-	-	-	-	-	-
total	0.3950	0.0481	0.2478	0.0868	0.0349	0.0093	0.0316	0.0071	0.8606

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0054	0.0007	0.0034	0.0025	0.0013	0.0003	-	-	0.0135
15 mph	0.0036	0.0004	0.0023	0.0016	0.0008	0.0002	-	-	0.0090
20 mph	0.0025	0.0003	0.0016	0.0012	0.0006	0.0002	0.0035	0.0008	0.0106
25 mph	0.0037	0.0005	0.0024	0.0017	0.0009	0.0002	0.0045	0.0010	0.0148
30 mph	0.0058	0.0007	0.0037	0.0027	0.0013	0.0004	0.0060	0.0013	0.0218
35 mph	0.0107	0.0013	0.0067	0.0049	0.0025	0.0007	0.0049	0.0011	0.0328
40 mph	0.0103	0.0013	0.0065	0.0048	0.0024	0.0006	0.0039	0.0009	0.0307
45 mph	0.0076	0.0009	0.0048	0.0035	0.0017	0.0005	0.0026	0.0006	0.0222
50 mph	0.0083	0.0010	0.0052	0.0038	0.0019	0.0005	0.0012	0.0003	0.0222
55 mph	0.0047	0.0006	0.0029	0.0021	0.0011	0.0003	0.0006	0.0001	0.0124
60 mph	0.0030	0.0004	0.0018	0.0013	0.0007	0.0002	0.0475	0.0107	0.0655
65 mph	0.0011	0.0001	0.0007	0.0005	0.0003	0.0001	-	-	0.0027
70 mph	0.0566	0.0069	0.0331	0.0256	0.0132	0.0033	-	-	0.1387
total	0.1233	0.0150	0.0749	0.0562	0.0285	0.0074	0.0746	0.0168	0.3969

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2078	0.0612	0.1865	0.0016	0.4570
15 mph	0.0275	0.0033	0.0173	0.0055	0.0023	0.0006	0.0022	0.0005	0.0593
25 mph	-	-	-	-	0.0023	0.0006	0.0049	0.0011	0.0089
35 mph	0.0392	0.0048	0.0246	0.0073	-	-	-	-	0.0758
total	0.0667	0.0081	0.0419	0.0128	0.2124	0.0624	0.1936	0.0032	0.6011

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2078	0.0612	0.1865	0.0016	0.4570
10 mph	0.0711	0.0085	0.0443	0.0168	0.0071	0.0019	0.0062	0.0014	0.1573
15 mph	0.0486	0.0059	0.0305	0.0110	0.0047	0.0013	0.0036	0.0008	0.1062
20 mph	0.0270	0.0033	0.0170	0.0065	0.0027	0.0007	0.0054	0.0012	0.0638
25 mph	0.0938	0.0115	0.0592	0.0216	0.0111	0.0030	0.0172	0.0039	0.2212
30 mph	0.0829	0.0102	0.0523	0.0197	0.0081	0.0022	0.0115	0.0026	0.1894
35 mph	0.1018	0.0125	0.0638	0.0237	0.0070	0.0019	0.0069	0.0016	0.2191
40 mph	0.0254	0.0031	0.0159	0.0081	0.0037	0.0010	0.0059	0.0013	0.0643
45 mph	0.0191	0.0023	0.0120	0.0060	0.0028	0.0007	0.0040	0.0009	0.0479
50 mph	0.0194	0.0024	0.0121	0.0062	0.0029	0.0008	0.0035	0.0008	0.0480
55 mph	0.0137	0.0017	0.0085	0.0041	0.0019	0.0005	0.0012	0.0003	0.0318
60 mph	0.0220	0.0027	0.0136	0.0055	0.0024	0.0006	0.0480	0.0109	0.1057
65 mph	0.0038	0.0005	0.0023	0.0011	0.0005	0.0001	-	-	0.0082
70 mph	0.0566	0.0069	0.0331	0.0256	0.0132	0.0033	-	-	0.1387
total	0.5850	0.0713	0.3645	0.1558	0.2758	0.0791	0.2998	0.0271	1.8585

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0006	0.0003	0.0268	0.0178	0.0048	0.0206	0.0716
15 mph	0.0001	0.0000	0.0001	0.0001	0.0053	0.0035	0.0009	0.0038	0.0138
20 mph	0.0001	0.0000	0.0001	0.0000	0.0043	0.0029	0.0012	0.0049	0.0134
25 mph	0.0003	0.0000	0.0003	0.0001	0.0131	0.0088	0.0051	0.0217	0.0495
30 mph	0.0003	0.0000	0.0002	0.0001	0.0110	0.0074	0.0038	0.0160	0.0388
35 mph	0.0002	0.0000	0.0002	0.0001	0.0073	0.0049	0.0014	0.0059	0.0199
40 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0014	0.0013	0.0056	0.0105
45 mph	0.0000	0.0000	0.0000	0.0000	0.0015	0.0010	0.0010	0.0042	0.0077
50 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0009	0.0016	0.0068	0.0106
55 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0006	0.0004	0.0017	0.0038
60 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0012	0.0005	0.0020	0.0056
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0019	0.0000	0.0017	0.0007	0.0756	0.0507	0.0220	0.0932	0.2458

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0001	0.0000	0.0058	0.0038	-	-	0.0097
15 mph	0.0000	0.0000	0.0000	0.0000	0.0028	0.0019	-	-	0.0048
20 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0008	0.0021	0.0087	0.0128
25 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0009	0.0029	0.0125	0.0178
30 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0014	0.0041	0.0173	0.0250
35 mph	0.0000	0.0000	0.0000	0.0000	0.0039	0.0026	0.0034	0.0142	0.0242
40 mph	0.0000	0.0000	0.0000	0.0000	0.0036	0.0025	0.0026	0.0112	0.0200
45 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0017	0.0018	0.0075	0.0136
50 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0017	0.0009	0.0038	0.0089
55 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0009	0.0005	0.0021	0.0047
60 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0399	0.1694	0.2105
65 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	-	-	0.0004
70 mph	0.0001	0.0000	0.0001	0.0001	0.0159	0.0107	-	-	0.0269
total	0.0004	0.0000	0.0003	0.0003	0.0440	0.0297	0.0582	0.2466	0.3795

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0184	0.0122	0.0078	0.0660	0.1043
15 mph	0.0002	0.0000	0.0002	0.0001	0.0080	0.0054	0.0014	0.0061	0.0214
25 mph	-	-	-	-	0.0038	0.0025	0.0033	0.0138	0.0233
35 mph	0.0001	0.0000	0.0001	0.0000	-	-	-	-	0.0003
total	0.0003	0.0000	0.0003	0.0001	0.0303	0.0201	0.0124	0.0858	0.1494

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0184	0.0122	0.0078	0.0660	0.1043
10 mph	0.0008	0.0000	0.0007	0.0003	0.0326	0.0216	0.0048	0.0206	0.0814
15 mph	0.0004	0.0000	0.0003	0.0002	0.0162	0.0108	0.0023	0.0099	0.0401
20 mph	0.0001	0.0000	0.0001	0.0001	0.0054	0.0036	0.0033	0.0136	0.0263
25 mph	0.0003	0.0000	0.0003	0.0001	0.0183	0.0123	0.0113	0.0480	0.0907
30 mph	0.0003	0.0000	0.0003	0.0001	0.0132	0.0089	0.0079	0.0333	0.0638
35 mph	0.0003	0.0000	0.0003	0.0001	0.0112	0.0076	0.0048	0.0201	0.0444
40 mph	0.0001	0.0000	0.0001	0.0000	0.0057	0.0038	0.0040	0.0168	0.0305
45 mph	0.0001	0.0000	0.0000	0.0000	0.0040	0.0027	0.0027	0.0117	0.0212
50 mph	0.0001	0.0000	0.0000	0.0000	0.0038	0.0026	0.0025	0.0105	0.0196
55 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0015	0.0009	0.0038	0.0085
60 mph	0.0000	0.0000	0.0000	0.0000	0.0026	0.0017	0.0404	0.1714	0.2162
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	-	-	0.0009
70 mph	0.0001	0.0000	0.0001	0.0001	0.0159	0.0107	-	-	0.0269
total	0.0026	0.0000	0.0023	0.0012	0.1499	0.1005	0.0926	0.4256	0.7747

CH4 Emissions (pounds/day) - Electric /Natural Gas (HHDT)

Surface Street Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								4.1210	4.1210
15 mph								0.9559	0.9559
20 mph								1.3678	1.3678
25 mph								5.5166	5.5166
30 mph								3.7071	3.7071
35 mph								1.2338	1.2338
40 mph								1.0149	1.0149
45 mph								0.6021	0.6021
50 mph								0.7279	0.7279
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	19.2472	19.2472

Freeway Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								2.4658	2.4658
25 mph								3.1644	3.1644
30 mph								4.0098	4.0098
35 mph								2.9656	2.9656
40 mph								2.0126	2.0126
45 mph								1.0855	1.0855
50 mph								0.4038	0.4038
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	12.6056	12.6056

Internal Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0795	0.0795
15 mph								1.5219	1.5219
25 mph								3.4938	3.4938
35 mph								-	-
total	-	-	-	-	-	-	-	5.0951	5.0951

Total Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0795	0.0795
10 mph								4.1210	4.1210
15 mph								2.4778	2.4778
20 mph								3.8337	3.8337
25 mph								12.1748	12.1748
30 mph								7.7168	7.7168
35 mph								4.1994	4.1994
40 mph								3.0275	3.0275
45 mph								1.6877	1.6877
50 mph								1.1317	1.1317
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	40.4498	40.4498

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2262	0.0733	0.1942	0.1470	0.6408
10 mph	0.0719	0.0085	0.0450	0.0171	0.0397	0.0235	0.0110	4.1430	4.3596
15 mph	0.0489	0.0059	0.0308	0.0111	0.0209	0.0120	0.0058	2.4885	2.6240
20 mph	0.0271	0.0033	0.0171	0.0066	0.0082	0.0044	0.0087	3.8485	3.9237
25 mph	0.0942	0.0115	0.0595	0.0217	0.0294	0.0153	0.0286	12.2266	12.4866
30 mph	0.0832	0.0102	0.0525	0.0198	0.0213	0.0110	0.0193	7.7526	7.9701
35 mph	0.1021	0.0125	0.0641	0.0238	0.0183	0.0094	0.0117	4.2211	4.4630
40 mph	0.0254	0.0031	0.0160	0.0081	0.0094	0.0048	0.0098	3.0457	3.1224
45 mph	0.0192	0.0023	0.0120	0.0061	0.0067	0.0034	0.0068	1.7002	1.7568
50 mph	0.0194	0.0024	0.0121	0.0063	0.0067	0.0034	0.0060	1.1430	1.1992
55 mph	0.0137	0.0017	0.0085	0.0041	0.0041	0.0020	0.0021	0.0041	0.0403
60 mph	0.0220	0.0027	0.0137	0.0055	0.0049	0.0024	0.0884	0.1823	0.3219
65 mph	0.0038	0.0005	0.0023	0.0011	0.0010	0.0005	-	-	0.0091
70 mph	0.0567	0.0069	0.0332	0.0256	0.0291	0.0141	-	-	0.1656
STREX	0.2338	0.0209	0.1204	0.1859	0.0208	0.0060	0.0271	0.0000	0.6150
total	0.8215	0.0922	0.4872	0.3429	0.4466	0.1855	0.4195	40.9026	**43.6980**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0230	0.0270	0.0315	0.0340	0.0120	0.0119	0.0314	0.0002
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2338	0.0209	0.1204	0.1859	0.0208	0.0060	0.0271	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.2338	0.0209	0.1204	0.1859	0.0208	0.0060	0.0271	0.0000

World Logistics Center
Mobile Emissions - 2035 Buildout (Net) - Unmitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,963.68	4,638.03	11,699.90	18,964.94
10 mph	391.87	461.13	458.33	561.90	1,297.09	1,495.95	2,649.86	3,085.79
15 mph	320.36	377.07	374.72	459.32	1,060.18	1,221.83	2,169.91	2,531.59
20 mph	266.42	313.55	311.62	381.97	881.58	1,016.36	1,803.47	2,109.28
25 mph	227.75	268.06	266.42	326.67	753.42	868.35	1,542.32	1,806.99
30 mph	202.15	237.89	236.47	290.09	668.77	770.89	1,369.73	1,604.76
35 mph	187.49	220.57	219.29	269.19	620.23	715.15	1,270.99	1,486.59
40 mph	181.61	213.66	212.41	260.74	600.43	692.34	1,229.76	1,436.90
45 mph	182.65	214.79	213.47	262.01	602.61	694.84	1,235.03	1,438.10
50 mph	188.08	221.15	219.77	269.84	620.30	715.03	1,270.61	1,475.93
55 mph	195.37	229.66	228.30	280.41	645.56	744.08	1,320.82	1,532.19
60 mph	201.05	236.74	235.51	289.65	671.73	774.26	1,373.93	1,590.39
65 mph	206.05	242.94	241.75	297.71	692.05	797.41		
70 mph	209.08	245.96	244.62	302.99	699.98	804.48		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,206.55	5,193.70	5,379.37	4,721.17
10 mph	335.38	681.91	447.50	556.56	839.71	940.07	1,624.14	2,398.61
15 mph	275.84	566.89	371.11	472.01	547.23	624.35	1,277.12	1,821.12
20 mph	226.28	465.37	304.89	392.02	466.89	533.07	1,090.92	1,563.35
25 mph	189.68	388.66	255.61	331.67	413.89	474.83	951.93	1,298.30
30 mph	164.31	334.16	221.00	286.64	376.13	428.56	835.97	1,140.20
35 mph	148.55	299.26	199.42	260.29	376.62	429.16	746.86	1,029.98
40 mph	139.01	278.89	186.11	243.51	366.54	413.77	684.59	943.69
45 mph	134.29	269.01	179.43	234.37	357.71	397.97	648.99	895.58
50 mph	134.66	268.78	179.70	235.66	375.21	412.92	640.53	876.16
55 mph	140.91	281.41	187.89	248.63	391.57	426.77	659.14	908.93
60 mph	152.75	305.24	203.54	269.20	395.47	428.26	704.12	964.39
65 mph	171.76	340.16	228.56	302.55	401.05	430.01		
70 mph	186.19	354.29	245.73	327.75	405.53	436.00		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								4,895.72
10 mph								3,993.23
15 mph								3,350.45
20 mph								2,925.80
25 mph								2,698.39
30 mph								2,553.34
35 mph								2,438.51
40 mph								2,344.30
45 mph								2,265.00
50 mph								2,196.95
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	7,316.80	658.01	3,219.84	1,262.53	1,272.04	426.21	1,345.80	14.53	15,515.75
15 mph	2,392.67	215.22	1,052.99	412.81	415.88	139.24	367.35	3.97	5,000.15
20 mph	3,979.63	357.93	1,751.33	686.60	691.65	231.65	610.62	6.62	8,316.04
25 mph	17,010.07	1,530.01	7,486.62	2,936.01	2,955.50	989.60	2,872.13	31.20	35,811.13
30 mph	16,607.60	1,493.58	7,309.46	2,867.91	2,885.77	966.38	2,318.83	25.19	34,474.73
35 mph	12,602.48	1,133.06	5,546.05	2,177.43	2,189.71	733.50	968.26	10.50	25,360.99
40 mph	4,069.05	365.86	1,790.64	703.03	706.60	236.70	1,040.94	11.28	8,924.09
45 mph	3,410.27	306.49	1,499.68	588.71	590.98	197.96	836.32	9.03	7,439.43
50 mph	3,511.77	315.56	1,543.93	606.31	608.32	203.72	1,398.17	15.06	8,202.85
55 mph	2,918.27	262.16	1,283.10	504.05	506.47	169.59	335.41	3.61	5,982.65
60 mph	6,006.17	540.49	2,647.20	1,041.31	1,054.01	352.95	348.89	3.74	11,994.77
65 mph	769.44	69.33	339.67	133.79	135.74	45.44	-	-	1,493.40
70 mph	-	-	-	-	-	-	-	-	-
total	80,594.22	7,247.72	35,470.49	13,920.48	14,012.65	4,692.95	12,442.71	134.75	168,515.98

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	605.14	54.42	266.30	218.08	272.77	91.39	-	-	1,508.10
15 mph	494.72	44.50	217.72	178.26	222.95	74.65	-	-	1,232.80
20 mph	411.42	37.00	181.06	148.24	185.39	62.09	1,100.80	11.94	2,137.95
25 mph	703.41	63.27	309.59	253.57	316.88	106.10	1,647.46	17.90	3,418.19
30 mph	1,248.67	112.30	549.58	450.34	562.55	188.39	2,508.17	27.25	5,647.25
35 mph	2,605.74	234.28	1,146.72	940.27	1,173.87	393.22	2,327.37	25.24	8,846.71
40 mph	2,804.44	252.16	1,234.13	1,011.95	1,262.66	422.98	2,064.21	22.37	9,074.88
45 mph	2,256.38	202.79	992.26	813.50	1,013.80	339.60	1,507.68	16.28	7,142.29
50 mph	2,613.99	234.89	1,149.23	942.55	1,174.00	393.15	775.56	8.35	7,291.72
55 mph	1,508.48	135.51	663.25	544.15	678.78	227.29	403.10	4.34	4,164.90
60 mph	931.39	83.82	410.51	337.25	423.78	141.91	29,351.69	315.06	31,995.41
65 mph	318.18	28.67	140.46	115.54	145.53	48.72	-	-	797.11
70 mph	14,852.02	1,335.24	6,538.02	5,409.32	6,771.25	2,260.85	-	-	37,166.71
total	31,354.00	2,818.84	13,798.81	11,363.02	14,204.22	4,750.35	41,686.04	448.73	120,424.01

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	470.46	159.93	646.86	12.95	1,290.20
15 mph	3,782.04	340.20	1,664.43	597.43	631.79	211.53	584.82	6.33	7,818.56
25 mph	-	-	-	-	852.71	285.52	1,818.99	19.76	2,976.98
35 mph	9,523.35	856.22	4,191.00	1,384.35	-	-	-	-	15,954.93
total	13,305.39	1,196.42	5,855.43	1,981.78	1,954.96	656.98	3,050.68	39.04	28,040.68

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	470.46	159.93	646.86	12.95	1,290.20
10 mph	7,921.94	712.43	3,486.14	1,480.61	1,544.81	517.60	1,345.80	14.53	17,023.85
15 mph	6,669.43	599.92	2,935.14	1,188.50	1,270.62	425.42	952.17	10.30	14,051.51
20 mph	4,391.05	394.94	1,932.38	834.84	877.04	293.75	1,711.43	18.56	10,453.99
25 mph	17,713.48	1,593.28	7,796.21	3,189.57	4,125.09	1,381.21	6,338.58	68.86	42,206.30
30 mph	17,856.27	1,605.88	7,859.03	3,318.25	3,448.32	1,154.77	4,827.01	52.44	40,121.97
35 mph	24,731.57	2,223.56	10,883.77	4,502.05	3,363.58	1,126.72	3,295.62	35.74	50,162.63
40 mph	6,873.49	618.02	3,024.77	1,714.98	1,969.25	659.68	3,105.14	33.64	17,998.97
45 mph	5,666.65	509.28	2,491.94	1,402.20	1,604.78	537.57	2,344.00	25.31	14,581.72
50 mph	6,125.76	550.45	2,693.16	1,548.86	1,782.31	596.87	2,173.73	23.41	15,494.57
55 mph	4,426.75	397.68	1,946.34	1,048.20	1,185.25	396.89	738.51	7.94	10,147.56
60 mph	6,937.57	624.31	3,057.71	1,378.56	1,477.79	494.85	29,700.58	318.81	43,990.18
65 mph	1,087.62	98.00	480.13	249.33	281.27	94.15	-	-	2,290.51
70 mph	14,852.02	1,335.24	6,538.02	5,409.32	6,771.25	2,260.85	-	-	37,166.71
total	125,253.61	11,262.99	55,124.74	27,265.28	30,171.84	10,100.27	57,179.43	622.51	316,980.66

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	74.14	0.14	30.60	42.08	867.33	642.24	4,935.68	13,235.89	19,828.10
15 mph	24.39	0.05	10.15	14.27	226.09	170.62	1,293.70	3,349.73	5,089.00
20 mph	40.02	0.08	16.68	23.71	385.80	291.35	2,210.18	5,751.20	8,719.00
25 mph	167.73	0.33	69.91	100.30	1,710.03	1,297.57	10,607.25	26,268.70	40,221.82
30 mph	159.82	0.31	66.49	95.35	1,709.39	1,288.24	8,468.24	20,972.68	32,760.52
35 mph	118.21	0.23	49.09	70.84	1,400.43	1,055.50	3,404.49	8,525.33	14,624.13
40 mph	36.88	0.07	15.27	22.09	454.32	339.22	3,467.39	8,679.00	13,014.23
45 mph	29.69	0.06	12.27	17.72	369.48	271.88	2,629.67	6,589.27	9,920.04
50 mph	29.77	0.06	12.29	17.82	387.55	282.10	4,217.52	10,475.38	15,422.48
55 mph	24.92	0.05	10.28	15.04	323.56	233.25	1,001.55	2,507.79	4,116.43
60 mph	54.03	0.10	22.27	32.56	653.56	468.13	1,069.90	2,660.83	4,961.39
65 mph	7.59	0.01	3.13	4.57	82.85	58.75	-	-	156.91
70 mph	-	-	-	-	-	-	-	-	-
total	767.17	1.48	318.42	456.35	8,570.40	6,398.85	43,305.56	109,015.82	168,834.05

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	6.13	0.01	2.53	7.27	185.99	137.72	-	-	339.65
15 mph	5.04	0.01	2.10	6.16	121.20	91.47	-	-	225.99
20 mph	4.14	0.01	1.72	5.12	103.41	78.09	3,984.40	10,367.99	14,544.89
25 mph	6.94	0.01	2.89	8.66	183.34	139.12	6,084.35	15,067.81	21,493.14
30 mph	12.02	0.02	5.00	14.97	333.23	251.13	9,159.69	22,685.14	32,461.20
35 mph	24.44	0.05	10.15	30.59	750.75	565.84	8,183.27	20,492.10	30,057.19
40 mph	25.42	0.05	10.52	31.80	811.84	606.17	6,875.92	17,210.71	25,572.44
45 mph	19.64	0.04	8.12	24.48	633.83	466.41	4,740.65	11,878.84	17,772.01
50 mph	22.16	0.04	9.15	27.70	747.94	544.42	2,339.43	5,810.62	9,501.46
55 mph	12.88	0.02	5.31	16.23	433.64	312.60	1,203.69	3,013.96	4,998.35
60 mph	8.38	0.02	3.45	10.55	262.77	188.22	90,009.01	223,851.75	314,334.14
65 mph	3.14	0.01	1.29	3.95	88.83	62.99	-	-	160.21
70 mph	156.59	0.28	63.92	196.88	4,131.67	2,938.13	-	-	7,487.48
total	306.91	0.57	126.16	384.37	8,788.46	6,382.31	132,580.43	330,378.92	478,948.13

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	400.85	429.44	1,779.63	2,836.07	5,446.00
15 mph	38.55	0.08	16.04	20.66	343.47	259.19	2,059.58	5,332.81	8,070.38
25 mph	-	-	-	-	493.37	374.37	6,717.84	16,636.63	24,222.21
35 mph	89.33	0.17	37.09	45.04	-	-	-	-	171.64
total	127.89	0.25	53.14	65.70	1,237.69	1,063.01	10,557.05	24,805.51	37,910.23

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	400.85	429.44	1,779.63	2,836.07	5,446.00
10 mph	80.27	0.16	33.13	49.34	1,053.32	779.96	4,935.68	13,235.89	20,167.74
15 mph	67.99	0.13	28.29	41.09	690.77	521.28	3,353.28	8,682.54	13,385.37
20 mph	44.15	0.09	18.40	28.83	489.21	369.44	6,194.58	16,119.19	23,263.89
25 mph	174.66	0.34	72.80	108.96	2,386.75	1,811.07	23,409.44	57,973.14	85,937.17
30 mph	171.83	0.33	71.49	110.32	2,042.62	1,539.37	17,627.92	43,657.82	65,221.72
35 mph	231.99	0.45	96.33	146.47	2,151.19	1,621.34	11,587.76	29,017.43	44,852.96
40 mph	62.29	0.12	25.80	53.89	1,266.16	945.38	10,343.31	25,889.72	38,586.67
45 mph	49.33	0.09	20.39	42.20	1,003.30	738.30	7,370.33	18,468.11	27,692.05
50 mph	51.93	0.10	21.43	45.51	1,135.50	826.52	6,556.95	16,286.00	24,923.94
55 mph	37.80	0.07	15.59	31.27	757.20	545.85	2,205.24	5,521.75	9,114.78
60 mph	62.41	0.12	25.72	43.11	916.34	656.35	91,078.91	226,512.58	319,295.53
65 mph	10.73	0.02	4.42	8.53	171.68	121.75	-	-	317.12
70 mph	156.59	0.28	63.92	196.88	4,131.67	2,938.13	-	-	7,487.48
total	1,201.96	2.30	497.72	906.41	18,596.56	13,844.17	186,443.05	464,200.24	685,692.42

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT)

Surface Street Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1,562.57	1,562.57
15 mph								437.02	437.02
20 mph								763.26	763.26
25 mph								3,871.61	3,871.61
30 mph								3,330.46	3,330.46
35 mph								1,431.31	1,431.31
40 mph								1,528.90	1,528.90
45 mph								1,181.75	1,181.75
50 mph								1,862.64	1,862.64
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	15,969.51	15,969.51

Freeway Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1,375.96	1,375.96
25 mph								2,220.77	2,220.77
30 mph								3,602.40	3,602.40
35 mph								3,440.39	3,440.39
40 mph								3,031.85	3,031.85
45 mph								2,130.39	2,130.39
50 mph								1,033.20	1,033.20
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	10,639.52	10,639.52

Internal Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								208.55	208.55
15 mph								695.74	695.74
25 mph								2,451.99	2,451.99
35 mph								-	-
total	-	-	-	-	-	-	-	3,356.27	3,356.27

Total Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								208.55	208.55
10 mph								1,562.57	1,562.57
15 mph								1,132.75	1,132.75
20 mph								2,139.22	2,139.22
25 mph								8,544.37	8,544.37
30 mph								6,932.86	6,932.86
35 mph								4,871.70	4,871.70
40 mph								4,560.75	4,560.75
45 mph								3,312.14	3,312.14
50 mph								2,895.84	2,895.84
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	36,160.75	36,160.75

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	871.31	589.37	2,426.50	3,057.57	6,944.75
10 mph	8,002.21	712.58	3,519.27	1,529.95	2,598.13	1,297.56	6,281.48	14,812.99	38,754.16
15 mph	6,737.42	600.06	2,963.43	1,229.60	1,961.39	946.70	4,305.45	9,825.59	28,569.63
20 mph	4,435.21	395.02	1,950.78	863.67	1,366.24	663.19	7,906.01	18,276.96	35,857.09
25 mph	17,888.14	1,593.63	7,869.02	3,298.53	6,511.84	3,192.28	29,748.02	66,586.38	136,687.84
30 mph	18,028.11	1,606.21	7,930.52	3,428.57	5,490.95	2,694.14	22,454.93	50,643.12	112,276.55
35 mph	24,963.56	2,224.01	10,980.10	4,648.53	5,514.77	2,748.06	14,883.38	33,924.88	99,887.29
40 mph	6,935.78	618.14	3,050.56	1,768.87	3,235.41	1,605.07	13,448.45	30,484.12	61,146.39
45 mph	5,715.98	509.37	2,512.32	1,444.41	2,608.08	1,275.86	9,714.32	21,805.56	45,585.91
50 mph	6,177.69	550.55	2,714.59	1,594.38	2,917.81	1,423.39	8,730.68	19,205.25	43,314.35
55 mph	4,464.55	397.75	1,961.93	1,079.47	1,942.46	942.74	2,943.75	5,529.70	19,262.33
60 mph	6,999.97	624.43	3,083.44	1,421.67	2,394.13	1,151.20	120,779.49	226,831.38	363,285.71
65 mph	1,098.36	98.02	484.54	257.86	452.95	215.90	-	-	2,607.63
70 mph	15,008.61	1,335.52	6,601.94	5,606.20	10,902.93	5,198.98	-	-	44,654.18
STREX	418.96	37.81	189.18	332.82	28.39	9.43	27.37	0.30	1,044.28
total	126,874.54	11,303.10	55,811.64	28,504.51	48,796.79	23,953.87	243,649.85	500,983.80	**1,039,878.11**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	41.29	48.76	49.55	60.89	16.43	18.79	31.63	37.43
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	418.96	37.81	189.18	332.82	28.39	9.43	27.37	0.30
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	418.96	37.81	189.18	332.82	28.39	9.43	27.37	0.30

B.5 Mobile Source Emissions (Net) Mitigated

World Logistics Center
Mobile Emissions - 2021 (Net) - Mitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
7.13	186.64	76.61	1.16	1.55	17.20	11.32	30.06	1.48	4.22	4.41	10.11	1.13	16.30	4.22	120,911.48

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
1.30	34.06	13.98	0.21	0.28	3.14	2.07	5.49	0.27	0.77	0.81	1.85	0.21	2.97	0.77	22,066.35

World Logistics Center
Mobile Emissions - 2021 (Net) - Mitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	208.20	1.78	3.48	(5,306.33)	(45.41)	(88.79)
LDT1	15.66	0.01	0.08	(399.05)	(0.23)	(2.12)
LDT2	77.76	0.45	0.60	(1,981.92)	(11.53)	(15.39)
MDT	296.76	5.78	1.41	4,543.06	88.43	21.66
LHDT1	111.68	70.99	-	2,845.30	1,808.69	-
LHDT2	35.19	52.63	-	896.61	1,340.93	-
MHDT	53.35	257.37	-	2,401.26	11,583.85	-
HHDT	0.42	493.80	23.89	18.70	22,225.32	1,075.46

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	2,381.26	20.38	39.84	(7,687.58)	(65.79)	(128.63)
LDT1	179.08	0.10	0.95	(578.13)	(0.34)	(3.07)
LDT2	889.40	5.17	6.91	(2,871.32)	(16.70)	(22.29)
MDT	2,037.59	39.66	9.71	2,505.47	48.77	11.94
LHDT1	917.40	583.17	-	1,927.90	1,225.52	-
LHDT2	289.09	432.35	-	607.52	908.58	-
MHDT	422.39	2,037.62	-	1,978.88	9,546.24	-
HHDT	3.29	3,909.47	189.17	15.41	18,315.85	886.28

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	119.06	8.95	44.47	101.88	45.87	14.45	25.34	0.20	360.23
15 mph	47.63	3.58	17.79	40.75	18.35	5.78	8.45	0.07	142.39
20 mph	95.25	7.16	35.58	81.50	36.70	11.56	16.90	0.13	284.78
25 mph	476.25	35.82	177.88	407.52	183.48	57.82	92.92	0.72	1,432.41
30 mph	523.88	39.40	195.67	448.27	201.83	63.60	84.48	0.66	1,557.78
35 mph	428.63	32.23	160.09	366.77	165.13	52.04	38.01	0.30	1,243.20
40 mph	142.88	10.74	53.36	122.26	55.04	17.35	42.24	0.33	444.20
45 mph	119.06	8.95	44.47	101.88	45.87	14.45	33.79	0.26	368.75
50 mph	119.06	8.95	44.47	101.88	45.87	14.45	54.91	0.43	390.03
55 mph	95.25	7.16	35.58	81.50	36.70	11.56	12.67	0.10	280.52
60 mph	190.50	14.33	71.15	163.01	73.39	23.13	12.67	0.10	548.28
65 mph	23.81	1.79	8.89	20.38	9.17	2.89	-	-	66.94
70 mph	-	-	-	-	-	-	-	-	-
total	2,381.26	179.08	889.40	2,037.59	917.40	289.09	422.39	3.29	7,119.50

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(76.88)	(5.78)	(28.71)	25.05	19.28	6.08	-	-	(60.96)
15 mph	(76.88)	(5.78)	(28.71)	25.05	19.28	6.08	-	-	(60.96)
20 mph	(76.88)	(5.78)	(28.71)	25.05	19.28	6.08	39.58	0.31	(21.08)
25 mph	(153.75)	(11.56)	(57.43)	50.11	38.56	12.15	69.26	0.54	(52.12)
30 mph	(307.50)	(23.13)	(114.85)	100.22	77.12	24.30	118.73	0.92	(124.19)
35 mph	(691.88)	(52.03)	(258.42)	225.49	173.51	54.68	118.73	0.92	(429.00)
40 mph	(768.76)	(57.81)	(287.13)	250.55	192.79	60.75	108.84	0.85	(499.93)
45 mph	(615.01)	(46.25)	(229.71)	200.44	154.23	48.60	79.16	0.62	(407.92)
50 mph	(691.88)	(52.03)	(258.42)	225.49	173.51	54.68	39.58	0.31	(508.77)
55 mph	(384.38)	(28.91)	(143.57)	125.27	96.40	30.38	19.79	0.15	(284.86)
60 mph	(230.63)	(17.34)	(86.14)	75.16	57.84	18.23	1,385.22	10.79	1,213.12
65 mph	(76.88)	(5.78)	(28.71)	25.05	19.28	6.08	-	-	(60.96)
70 mph	(3,536.29)	(265.94)	(1,320.81)	1,152.52	886.84	279.46	-	-	(2,804.23)
total	(7,687.58)	(578.13)	(2,871.32)	2,505.47	1,927.90	607.52	1,978.88	15.41	(4,101.85)

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	7.66	2.41	3.41	0.04	13.51
15 mph	631.92	47.52	236.02	70.20	38.44	12.11	16.61	0.13	1,052.95
25 mph	-	-	-	-	73.00	23.00	72.67	0.57	169.24
35 mph	2,718.92	204.47	1,015.52	277.55	-	-	-	-	4,216.45
total	3,350.84	251.99	1,251.54	347.74	111.44	35.12	89.27	0.70	5,438.64

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	7.66	2.41	3.41	0.04	13.51
10 mph	42.19	3.17	15.76	126.93	65.15	20.53	25.34	0.20	299.27
15 mph	602.67	45.32	225.10	136.00	76.06	23.97	25.05	0.20	1,134.38
20 mph	18.37	1.38	6.86	106.56	55.98	17.64	56.47	0.44	263.70
25 mph	322.50	24.25	120.45	457.63	295.04	92.97	234.85	1.83	1,549.53
30 mph	216.37	16.27	80.82	548.49	278.94	87.90	203.21	1.58	1,433.59
35 mph	2,455.66	184.67	917.19	869.80	338.64	106.71	156.75	1.22	5,030.66
40 mph	(625.88)	(47.07)	(233.77)	372.80	247.83	78.10	151.08	1.18	(55.73)
45 mph	(495.94)	(37.30)	(185.24)	302.32	200.10	63.06	112.95	0.88	(39.17)
50 mph	(572.82)	(43.08)	(213.95)	327.37	219.38	69.13	94.49	0.74	(118.74)
55 mph	(289.13)	(21.74)	(107.99)	206.78	133.09	41.94	32.46	0.25	(4.34)
60 mph	(40.13)	(3.02)	(14.99)	238.17	131.23	41.35	1,397.89	10.88	1,761.39
65 mph	(53.06)	(3.99)	(19.82)	45.43	28.45	8.97	-	-	5.98
70 mph	(3,536.29)	(265.94)	(1,320.81)	1,152.52	886.84	279.46	-	-	(2,804.23)
total	(1,955.49)	(147.06)	(730.38)	4,890.80	2,956.74	931.73	2,490.54	19.39	8,456.28

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	1.02	0.01	0.26	1.98	29.16	21.62	122.26	234.57	410.87
15 mph	0.41	0.00	0.10	0.79	11.66	8.65	40.75	78.19	140.56
20 mph	0.82	0.00	0.21	1.59	23.33	17.29	81.50	156.38	281.12
25 mph	4.08	0.02	1.03	7.93	116.63	86.47	448.28	860.08	1,524.53
30 mph	4.48	0.02	1.14	8.73	128.30	95.12	407.52	781.89	1,427.20
35 mph	3.67	0.02	0.93	7.14	104.97	77.82	183.39	351.85	729.79
40 mph	1.22	0.01	0.31	2.38	34.99	25.94	203.76	390.95	659.56
45 mph	1.02	0.01	0.26	1.98	29.16	21.62	163.01	312.76	529.81
50 mph	1.02	0.01	0.26	1.98	29.16	21.62	264.89	508.23	827.16
55 mph	0.82	0.00	0.21	1.59	23.33	17.29	61.13	117.28	221.65
60 mph	1.63	0.01	0.41	3.17	46.65	34.59	61.13	117.28	264.88
65 mph	0.20	0.00	0.05	0.40	5.83	4.32	-	-	10.81
70 mph	-	-	-	-	-	-	-	-	-
total	20.38	0.10	5.17	39.66	583.17	432.35	2,037.62	3,909.47	7,027.93

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.66)	(0.00)	(0.17)	0.49	12.26	9.09	-	-	21.00
15 mph	(0.66)	(0.00)	(0.17)	0.49	12.26	9.09	-	-	21.00
20 mph	(0.66)	(0.00)	(0.17)	0.49	12.26	9.09	190.92	366.32	578.24
25 mph	(1.32)	(0.01)	(0.33)	0.98	24.51	18.17	334.12	641.05	1,017.17
30 mph	(2.63)	(0.01)	(0.67)	1.95	49.02	36.34	572.77	1,098.95	1,755.73
35 mph	(5.92)	(0.03)	(1.50)	4.39	110.30	81.77	572.77	1,098.95	1,860.73
40 mph	(6.58)	(0.03)	(1.67)	4.88	122.55	90.86	525.04	1,007.37	1,742.42
45 mph	(5.26)	(0.03)	(1.34)	3.90	98.04	72.69	381.85	732.63	1,282.49
50 mph	(5.92)	(0.03)	(1.50)	4.39	110.30	81.77	190.92	366.32	746.25
55 mph	(3.29)	(0.02)	(0.83)	2.44	61.28	45.43	95.46	183.16	383.62
60 mph	(1.97)	(0.01)	(0.50)	1.46	36.77	27.26	6,682.37	12,821.10	19,566.46
65 mph	(0.66)	(0.00)	(0.17)	0.49	12.26	9.09	-	-	21.00
70 mph	(30.26)	(0.16)	(7.68)	22.43	563.74	417.95	-	-	966.02
total	(65.79)	(0.34)	(16.70)	48.77	1,225.52	908.58	9,546.24	18,315.85	29,962.14

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	4.87	3.61	16.43	31.53	56.44
15 mph	5.41	0.03	1.37	1.37	24.43	18.11	80.11	153.70	284.53
25 mph	-	-	-	-	46.40	34.40	350.55	672.58	1,103.94
35 mph	23.27	0.12	5.91	5.40	-	-	-	-	34.69
total	28.68	0.15	7.28	6.77	70.84	52.52	430.66	826.28	1,423.16

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	4.87	3.61	16.43	31.53	56.44
10 mph	0.36	0.00	0.09	2.47	41.41	30.70	122.26	234.57	431.87
15 mph	5.16	0.03	1.31	2.65	48.35	35.85	120.86	231.89	446.09
20 mph	0.16	0.00	0.04	2.07	35.58	26.38	272.43	522.70	859.36
25 mph	2.76	0.01	0.70	8.91	187.55	139.05	1,132.94	2,173.72	3,645.64
30 mph	1.85	0.01	0.47	10.68	177.32	131.46	980.30	1,880.84	3,182.93
35 mph	21.01	0.11	5.33	16.93	215.27	159.60	756.16	1,450.80	2,625.21
40 mph	(5.36)	(0.03)	(1.36)	7.26	157.54	116.80	728.80	1,398.32	2,401.98
45 mph	(4.24)	(0.02)	(1.08)	5.88	127.20	94.30	544.86	1,045.39	1,812.30
50 mph	(4.90)	(0.03)	(1.24)	6.37	139.46	103.39	455.82	874.55	1,573.41
55 mph	(2.47)	(0.01)	(0.63)	4.02	84.60	62.72	156.59	300.44	605.27
60 mph	(0.34)	(0.00)	(0.09)	4.64	83.42	61.85	6,743.49	12,938.38	19,831.34
65 mph	(0.45)	(0.00)	(0.12)	0.88	18.09	13.41	-	-	31.81
70 mph	(30.26)	(0.16)	(7.68)	22.43	563.74	417.95	-	-	966.02
total	(16.73)	(0.09)	(4.25)	95.20	1,879.53	1,393.45	12,014.51	23,051.60	38,413.23

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	1.99	0.05	0.35	0.49	-	-	-	11.35	14.22
15 mph	0.80	0.02	0.14	0.19	-	-	-	3.78	4.93
20 mph	1.59	0.04	0.28	0.39	-	-	-	7.57	9.86
25 mph	7.97	0.19	1.38	1.94	-	-	-	41.62	53.10
30 mph	8.77	0.21	1.52	2.14	-	-	-	37.83	50.47
35 mph	7.17	0.17	1.24	1.75	-	-	-	17.03	27.36
40 mph	2.39	0.06	0.41	0.58	-	-	-	18.92	22.36
45 mph	1.99	0.05	0.35	0.49	-	-	-	15.13	18.00
50 mph	1.99	0.05	0.35	0.49	-	-	-	24.59	27.46
55 mph	1.59	0.04	0.28	0.39	-	-	-	5.68	7.97
60 mph	3.19	0.08	0.55	0.78	-	-	-	5.68	10.27
65 mph	0.40	0.01	0.07	0.10	-	-	-	-	0.57
70 mph	-	-	-	-	-	-	-	-	-
total	39.84	0.95	6.91	9.71	-	-	-	189.17	246.59

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(1.29)	(0.03)	(0.22)	0.12	-	-	-	-	(1.42)
15 mph	(1.29)	(0.03)	(0.22)	0.12	-	-	-	-	(1.42)
20 mph	(1.29)	(0.03)	(0.22)	0.12	-	-	-	17.73	16.31
25 mph	(2.57)	(0.06)	(0.45)	0.24	-	-	-	31.02	28.18
30 mph	(5.15)	(0.12)	(0.89)	0.48	-	-	-	53.18	47.50
35 mph	(11.58)	(0.28)	(2.01)	1.07	-	-	-	53.18	40.39
40 mph	(12.86)	(0.31)	(2.23)	1.19	-	-	-	48.75	34.54
45 mph	(10.29)	(0.25)	(1.78)	0.96	-	-	-	35.45	24.09
50 mph	(11.58)	(0.28)	(2.01)	1.07	-	-	-	17.73	4.94
55 mph	(6.43)	(0.15)	(1.11)	0.60	-	-	-	8.86	1.76
60 mph	(3.86)	(0.09)	(0.67)	0.36	-	-	-	620.40	616.14
65 mph	(1.29)	(0.03)	(0.22)	0.12	-	-	-	-	(1.42)
70 mph	(59.17)	(1.41)	(10.25)	5.49	-	-	-	-	(65.34)
total	(128.63)	(3.07)	(22.29)	11.94	-	-	-	886.28	744.23

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	1.53	1.53
15 mph	10.57	0.25	1.83	0.33	-	-	-	7.44	20.43
25 mph	-	-	-	-	-	-	-	32.55	32.55
35 mph	45.49	1.09	7.88	1.32	-	-	-	-	55.79
total	56.07	1.34	9.72	1.66	-	-	-	39.98	108.76

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	1.53	1.53
10 mph	0.71	0.02	0.12	0.61	-	-	-	11.35	12.80
15 mph	10.08	0.24	1.75	0.65	-	-	-	11.22	23.94
20 mph	0.31	0.01	0.05	0.51	-	-	-	25.29	26.17
25 mph	5.40	0.13	0.94	2.18	-	-	-	105.18	113.83
30 mph	3.62	0.09	0.63	2.61	-	-	-	91.01	97.96
35 mph	41.09	0.98	7.12	4.15	-	-	-	70.20	123.54
40 mph	(10.47)	(0.25)	(1.81)	1.78	-	-	-	67.66	56.90
45 mph	(8.30)	(0.20)	(1.44)	1.44	-	-	-	50.59	42.09
50 mph	(9.58)	(0.23)	(1.66)	1.56	-	-	-	42.32	32.40
55 mph	(4.84)	(0.12)	(0.84)	0.99	-	-	-	14.54	9.73
60 mph	(0.67)	(0.02)	(0.12)	1.14	-	-	-	626.07	626.40
65 mph	(0.89)	(0.02)	(0.15)	0.22	-	-	-	-	(0.85)
70 mph	(59.17)	(1.41)	(10.25)	5.49	-	-	-	-	(65.34)
total	61.20	1.46	10.61	10.70	-	-	-	314.26	1,099.58

World Logistics Center
Mobile Emissions - 2021 (Net) - Mitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	3054	330	0.21	641.4	625.6	5.4	10.5
	LDT1	15	225	330	0.21	47.3	47.0	0.0	0.2
	LDT2	15	1128	330	0.21	236.8	233.7	1.4	1.8
	MDT	15	340	330	0.21	71.4	69.7	1.4	0.3
	LHDT1	15	299	330	0.21	62.7	38.3	24.4	0.0
	LHDT2	15	144	330	0.21	30.1	12.1	18.1	0.0
	MHDT	15	457	330	0.21	96.0	16.5	79.5	0.0
	HHDT	15	762	330	0.21	160.0	0.1	152.5	7.4
Travel at Light Logistics	LDA	15	22	175	0.11	2.4	2.4	0.0	0.0
	LDT1	15	2	175	0.11	0.2	0.2	0.0	0.0
	LDT2	15	8	175	0.11	0.9	0.9	0.0	0.0
	MDT	15	2	175	0.11	0.2	0.2	0.0	0.0
	LHDT1	15	1	175	0.11	0.1	0.1	0.1	0.0
	LHDT2	15	1	175	0.11	0.1	0.0	0.0	0.0
	MHDT	15	1	175	0.11	0.2	0.0	0.1	0.0
	HHDT	15	2	175	0.11	0.3	0.0	0.3	0.0
Travel at Utility	LDA	15	25	100	0.06	1.5	1.5	0.0	0.0
	LDT1	15	2	100	0.06	0.1	0.1	0.0	0.0
	LDT2	15	9	100	0.06	0.6	0.5	0.0	0.0
	MDT	15	5	100	0.06	0.3	0.3	0.0	0.0
	LHDT1	15	1	100	0.06	0.0	0.0	0.0	0.0
	LHDT2	15	0	100	0.06	0.0	0.0	0.0	0.0
	MHDT	15	2	100	0.06	0.1	0.0	0.1	0.0
	HHDT	15	3	100	0.06	0.2	0.0	0.1	0.0
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	16	50	0.03	0.5	0.1	0.4	0.0
	HHDT	15	27	50	0.03	0.8	0.0	0.8	0.0
Travel at Convenience Store	LDA	15	76	50	0.03	2.3	2.2	0.0	0.0
	LDT1	15	6	50	0.03	0.2	0.2	0.0	0.0
	LDT2	15	28	50	0.03	0.8	0.8	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	11	50	0.03	0.3	0.3	0.0	0.0
	LDT1	15	1	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	4	50	0.03	0.1	0.1	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	631.9	47.5	236.0	70.2	38.4	12.1	16.6	0.1
Diesel	5.4	0.0	1.4	1.4	24.4	18.1	80.1	153.7
Electric/Natural Gas (HHDT Only)	10.6	0.3	1.8	0.3	0.0	0.0	0.0	7.4

World Logistics Center
Mobile Emissions - 2021 (Net) - Mitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	149	91	58	0	456.3	290.0	0.0
	LHDT2	5	72	29	43	0	143.8	215.0	0.0
	MHDT	5	229	39	189	0	196.2	946.4	0.0
	HHDT	5	381	0	363	18	1.5	1815.8	87.9
Travel at Light Logistics	LHDT1	5	1	0	0	0	1.8	1.2	0.0
	LHDT2	5	0	0	0	0	0.6	0.9	0.0
	MHDT	5	1	0	1	0	0.6	3.1	0.0
	HHDT	5	1	0	1	0	0.0	5.9	0.3
Travel at Utility	LHDT1	5	0	0	0	0	1.2	0.8	0.0
	LHDT2	5	0	0	0	0	0.4	0.6	0.0
	MHDT	5	1	0	1	0	0.7	3.2	0.0
	HHDT	5	1	0	1	0	0.0	6.1	0.3
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	8	1	7	0	6.9	33.4	0.0
	HHDT	5	13	0	13	1	0.1	64.0	3.1
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	7.7	2.4	3.4	0.0
Diesel	4.9	3.6	16.4	31.5
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	1.5

World Logistics Center
Mobile Emissions - 2021 (Net) - Mitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					18.2177	18.3279	26.8242	24.4585
10 mph	0.0577	0.1505	0.0917	0.1319	0.1437	0.1089	0.3391	3.1546
15 mph	0.0389	0.1030	0.0622	0.0907	0.0992	0.0744	0.2244	2.1322
20 mph	0.0275	0.0742	0.0444	0.0654	0.0726	0.0537	0.1591	1.5270
25 mph	0.0203	0.0561	0.0329	0.0485	0.0552	0.0399	0.1157	1.1856
30 mph	0.0157	0.0444	0.0257	0.0379	0.0442	0.0313	0.0887	0.9608
35 mph	0.0128	0.0370	0.0211	0.0309	0.0373	0.0259	0.0719	0.8238
40 mph	0.0112	0.0325	0.0184	0.0271	0.0335	0.0230	0.0636	0.7284
45 mph	0.0103	0.0298	0.0169	0.0250	0.0312	0.0211	0.0572	0.6899
50 mph	0.0099	0.0290	0.0164	0.0245	0.0311	0.0208	0.0577	0.6680
55 mph	0.0100	0.0291	0.0165	0.0247	0.0317	0.0209	0.0569	0.7031
60 mph	0.0106	0.0303	0.0174	0.0266	0.0346	0.0229	0.0641	0.7368
65 mph	0.0117	0.0332	0.0190	0.0287	0.0401	0.0264		
70 mph	0.0120	0.0396	0.0200	0.0284	0.0404	0.0234		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5109	2.3658
10 mph	0.1501	0.5790	0.1989	0.1350	0.5354	0.5372	0.0470	0.2366
15 mph	0.0817	0.4070	0.1007	0.0684	0.2960	0.2937	0.0276	0.1267
20 mph	0.0411	0.3003	0.0431	0.0295	0.1545	0.1502	0.0191	0.0591
25 mph	0.0279	0.2394	0.0274	0.0189	0.1097	0.1050	0.0147	0.0483
30 mph	0.0218	0.2011	0.0211	0.0146	0.0887	0.0843	0.0115	0.0379
35 mph	0.0178	0.1778	0.0172	0.0120	0.0760	0.0714	0.0092	0.0304
40 mph	0.0155	0.1627	0.0146	0.0102	0.0676	0.0631	0.0077	0.0253
45 mph	0.0141	0.1551	0.0128	0.0089	0.0626	0.0580	0.0068	0.0221
50 mph	0.0134	0.1551	0.0118	0.0082	0.0612	0.0562	0.0065	0.0200
55 mph	0.0130	0.1631	0.0110	0.0077	0.0613	0.0558	0.0069	0.0223
60 mph	0.0138	0.1771	0.0110	0.0077	0.0637	0.0582	0.0079	0.0258
65 mph	0.0146	0.2071	0.0117	0.0082	0.0747	0.0670		
70 mph	0.0135	0.2522	0.0151	0.0090	0.1037	0.0855		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.1249
10 mph								1.1266
15 mph								0.6837
20 mph								0.4220
25 mph								0.3125
30 mph								0.2413
35 mph								0.1875
40 mph								0.1472
45 mph								0.1177
50 mph								0.0967
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0151	0.0030	0.0090	0.0296	0.0145	0.0035	0.0189	0.0014	0.0951
15 mph	0.0041	0.0008	0.0024	0.0082	0.0040	0.0009	0.0042	0.0003	0.0249
20 mph	0.0058	0.0012	0.0035	0.0117	0.0059	0.0014	0.0059	0.0004	0.0358
25 mph	0.0213	0.0044	0.0129	0.0436	0.0223	0.0051	0.0237	0.0019	0.1353
30 mph	0.0182	0.0039	0.0111	0.0375	0.0197	0.0044	0.0165	0.0014	0.1126
35 mph	0.0121	0.0026	0.0074	0.0250	0.0136	0.0030	0.0060	0.0005	0.0703
40 mph	0.0035	0.0008	0.0022	0.0073	0.0041	0.0009	0.0059	0.0005	0.0251
45 mph	0.0027	0.0006	0.0017	0.0056	0.0032	0.0007	0.0043	0.0004	0.0191
50 mph	0.0026	0.0006	0.0016	0.0055	0.0031	0.0007	0.0070	0.0006	0.0217
55 mph	0.0021	0.0005	0.0013	0.0044	0.0026	0.0005	0.0016	0.0002	0.0131
60 mph	0.0045	0.0010	0.0027	0.0096	0.0056	0.0012	0.0018	0.0002	0.0264
65 mph	0.0006	0.0001	0.0004	0.0013	0.0008	0.0002	-	-	0.0034
70 mph	-	-	-	-	-	-	-	-	-
total	0.0926	0.0194	0.0562	0.1893	0.0994	0.0223	0.0959	0.0078	0.5828

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0098)	(0.0019)	(0.0058)	0.0073	0.0061	0.0015	-	-	(0.0026)
15 mph	(0.0066)	(0.0013)	(0.0039)	0.0050	0.0042	0.0010	-	-	(0.0016)
20 mph	(0.0047)	(0.0009)	(0.0028)	0.0036	0.0031	0.0007	0.0139	0.0010	0.0139
25 mph	(0.0069)	(0.0014)	(0.0042)	0.0054	0.0047	0.0011	0.0177	0.0014	0.0177
30 mph	(0.0107)	(0.0023)	(0.0065)	0.0084	0.0075	0.0017	0.0232	0.0020	0.0233
35 mph	(0.0196)	(0.0042)	(0.0120)	0.0154	0.0143	0.0031	0.0188	0.0017	0.0175
40 mph	(0.0189)	(0.0041)	(0.0117)	0.0150	0.0142	0.0031	0.0153	0.0014	0.0142
45 mph	(0.0139)	(0.0030)	(0.0086)	0.0111	0.0106	0.0023	0.0100	0.0009	0.0094
50 mph	(0.0152)	(0.0033)	(0.0094)	0.0122	0.0119	0.0025	0.0050	0.0005	0.0042
55 mph	(0.0085)	(0.0019)	(0.0052)	0.0068	0.0067	0.0014	0.0025	0.0002	0.0021
60 mph	(0.0054)	(0.0012)	(0.0033)	0.0044	0.0044	0.0009	0.1957	0.0175	0.2131
65 mph	(0.0020)	(0.0004)	(0.0012)	0.0016	0.0017	0.0004	-	-	0.0000
70 mph	(0.0932)	(0.0232)	(0.0582)	0.0722	0.0790	0.0144	-	-	(0.0089)
total	(0.2152)	(0.0493)	(0.1328)	0.1683	0.1685	0.0340	0.3021	0.0266	0.3022

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3075	0.0975	0.2015	0.0020	0.6085
15 mph	0.0541	0.0108	0.0324	0.0140	0.0084	0.0020	0.0082	0.0006	0.1306
25 mph	-	-	-	-	0.0089	0.0020	0.0185	0.0015	0.0309
35 mph	0.0769	0.0167	0.0472	0.0189	-	-	-	-	0.1597
total	0.1310	0.0275	0.0796	0.0330	0.3248	0.1015	0.2282	0.0041	0.9297

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3075	0.0975	0.2015	0.0020	0.6085
10 mph	0.0054	0.0011	0.0032	0.0369	0.0206	0.0049	0.0189	0.0014	0.0924
15 mph	0.0516	0.0103	0.0309	0.0272	0.0166	0.0039	0.0124	0.0009	0.1539
20 mph	0.0011	0.0002	0.0007	0.0154	0.0090	0.0021	0.0198	0.0015	0.0497
25 mph	0.0144	0.0030	0.0088	0.0490	0.0359	0.0082	0.0599	0.0048	0.1839
30 mph	0.0075	0.0016	0.0046	0.0458	0.0272	0.0061	0.0398	0.0034	0.1359
35 mph	0.0694	0.0151	0.0426	0.0593	0.0278	0.0061	0.0249	0.0022	0.2475
40 mph	(0.0154)	(0.0034)	(0.0095)	0.0223	0.0183	0.0040	0.0212	0.0019	0.0393
45 mph	(0.0112)	(0.0024)	(0.0069)	0.0167	0.0138	0.0029	0.0142	0.0013	0.0284
50 mph	(0.0126)	(0.0028)	(0.0077)	0.0177	0.0151	0.0032	0.0120	0.0011	0.0259
55 mph	(0.0064)	(0.0014)	(0.0039)	0.0113	0.0093	0.0019	0.0041	0.0004	0.0152
60 mph	(0.0009)	(0.0002)	(0.0006)	0.0140	0.0100	0.0021	0.1975	0.0177	0.2395
65 mph	(0.0014)	(0.0003)	(0.0008)	0.0029	0.0025	0.0005	-	-	0.0034
70 mph	(0.0932)	(0.0232)	(0.0582)	0.0722	0.0790	0.0144	-	-	(0.0089)
total	0.0084	(0.0024)	0.0030	0.3906	0.5928	0.1578	0.6262	0.0385	1.8147

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0003	0.0000	0.0001	0.0006	0.0344	0.0256	0.0127	0.1224	0.1961
15 mph	0.0001	0.0000	0.0000	0.0001	0.0076	0.0056	0.0025	0.0218	0.0378
20 mph	0.0001	0.0000	0.0000	0.0001	0.0079	0.0057	0.0034	0.0204	0.0377
25 mph	0.0003	0.0000	0.0001	0.0003	0.0282	0.0200	0.0145	0.0917	0.1551
30 mph	0.0002	0.0000	0.0001	0.0003	0.0251	0.0177	0.0104	0.0654	0.1191
35 mph	0.0001	0.0000	0.0000	0.0002	0.0176	0.0122	0.0037	0.0236	0.0575
40 mph	0.0000	0.0000	0.0000	0.0001	0.0052	0.0036	0.0035	0.0218	0.0342
45 mph	0.0000	0.0000	0.0000	0.0000	0.0040	0.0028	0.0024	0.0153	0.0246
50 mph	0.0000	0.0000	0.0000	0.0000	0.0039	0.0027	0.0038	0.0224	0.0329
55 mph	0.0000	0.0000	0.0000	0.0000	0.0032	0.0021	0.0009	0.0058	0.0120
60 mph	0.0000	0.0000	0.0000	0.0001	0.0066	0.0044	0.0011	0.0067	0.0188
65 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0006	-	-	0.0016
70 mph	-	-	-	-	-	-	-	-	-
total	0.0013	0.0001	0.0003	0.0018	0.1447	0.1031	0.0589	0.4172	0.7275

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0145	0.0108	-	-	0.0251
15 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0080	0.0059	-	-	0.0138
20 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0042	0.0030	0.0080	0.0478	0.0629
25 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0059	0.0042	0.0108	0.0683	0.0892
30 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0096	0.0068	0.0146	0.0919	0.1227
35 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0185	0.0129	0.0117	0.0737	0.1166
40 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0183	0.0126	0.0089	0.0562	0.0958
45 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0135	0.0093	0.0057	0.0357	0.0641
50 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0149	0.0101	0.0027	0.0162	0.0438
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0083	0.0056	0.0014	0.0090	0.0242
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0052	0.0035	0.1159	0.7292	0.8537
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0020	0.0013	-	-	0.0033
70 mph	(0.0009)	(0.0001)	(0.0003)	0.0004	0.1289	0.0788	-	-	0.2069
total	(0.0025)	(0.0002)	(0.0007)	0.0013	0.2517	0.1648	0.1798	1.1280	1.7222

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0340	0.0252	0.0185	0.1645	0.2423
15 mph	0.0010	0.0000	0.0003	0.0002	0.0159	0.0117	0.0049	0.0429	0.0770
25 mph	-	-	-	-	0.0112	0.0080	0.0113	0.0717	0.1022
35 mph	0.0009	0.0000	0.0002	0.0001	-	-	-	-	0.0013
total	0.0019	0.0001	0.0005	0.0003	0.0612	0.0449	0.0347	0.2791	0.4228

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0340	0.0252	0.0185	0.1645	0.2423
10 mph	0.0001	0.0000	0.0000	0.0007	0.0489	0.0364	0.0127	0.1224	0.2212
15 mph	0.0009	0.0000	0.0003	0.0004	0.0316	0.0232	0.0074	0.0648	0.1286
20 mph	0.0000	0.0000	0.0000	0.0001	0.0121	0.0087	0.0115	0.0682	0.1006
25 mph	0.0002	0.0000	0.0000	0.0004	0.0454	0.0322	0.0366	0.2317	0.3465
30 mph	0.0001	0.0000	0.0000	0.0003	0.0347	0.0244	0.0249	0.1573	0.2418
35 mph	0.0008	0.0000	0.0002	0.0004	0.0361	0.0251	0.0154	0.0973	0.1754
40 mph	(0.0002)	(0.0000)	(0.0000)	0.0002	0.0235	0.0162	0.0123	0.0780	0.1300
45 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0176	0.0121	0.0081	0.0510	0.0887
50 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0188	0.0128	0.0066	0.0386	0.0768
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0114	0.0077	0.0024	0.0148	0.0362
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0117	0.0079	0.1170	0.7358	0.8725
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0030	0.0020	-	-	0.0050
70 mph	(0.0009)	(0.0001)	(0.0003)	0.0004	0.1289	0.0788	-	-	0.2069
total	0.0007	(0.0000)	0.0002	0.0034	0.4576	0.3129	0.2733	1.8243	2.8725

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0282	0.0282
15 mph								0.0057	0.0057
20 mph								0.0070	0.0070
25 mph								0.0287	0.0287
30 mph								0.0201	0.0201
35 mph								0.0070	0.0070
40 mph								0.0061	0.0061
45 mph								0.0039	0.0039
50 mph								0.0052	0.0052
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.1121	0.1121

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0165	0.0165
25 mph								0.0214	0.0214
30 mph								0.0283	0.0283
35 mph								0.0220	0.0220
40 mph								0.0158	0.0158
45 mph								0.0092	0.0092
50 mph								0.0038	0.0038
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0882	0.0882

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0004	0.0004
15 mph								0.0112	0.0112
25 mph								0.0224	0.0224
35 mph								-	-
total	-	-	-	-	-	-	-	0.0341	0.0341

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0004	0.0004
10 mph								0.0282	0.0282
15 mph								0.0169	0.0169
20 mph								0.0235	0.0235
25 mph								0.0725	0.0725
30 mph								0.0484	0.0484
35 mph								0.0290	0.0290
40 mph								0.0220	0.0220
45 mph								0.0131	0.0131
50 mph								0.0090	0.0090
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.2631	0.2631

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3458	1.0528	0.5785	0.6264	0.9954	0.9083	0.5413	1.3759
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1587	0.0363	0.0992	0.4099	0.2451	0.0705	0.0637	0.0013
Electric/NG	-	-	-	-	-	-	-	-
Total	**0.1587**	**0.0363**	**0.0992**	**0.4099**	**0.2451**	**0.0705**	**0.0637**	**0.0013**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.5553	1.2831	0.7584	0.8793	0.0976	0.0873	0.0743	0.1754
Electric/NG	0.0312	0.0309	0.0312	0.0313	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1275	0.0221	0.0650	0.2877	0.0120	0.0034	0.0044	0.0001
Electric/NG	0.0001	0.0000	0.0000	0.0000	-	-	-	-
Total	0.1276	0.0222	0.0650	0.2877	0.0120	0.0034	0.0044	0.0001

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2654	0.4337	0.3638	0.4691	0.1346	0.1306	0.2247	0.0012
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1218	0.0150	0.0624	0.3069	0.0331	0.0101	0.0264	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1218	0.0150	0.0624	0.3069	0.0331	0.0101	0.0264	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3416	0.1227	0.2200	0.1669	0.8512
10 mph	0.0055	0.0011	0.0032	0.0377	0.0695	0.0413	0.0316	0.1520	0.3418
15 mph	0.0526	0.0103	0.0312	0.0276	0.0482	0.0271	0.0198	0.0826	0.2994
20 mph	0.0011	0.0002	0.0007	0.0155	0.0211	0.0108	0.0313	0.0932	0.1739
25 mph	0.0146	0.0030	0.0088	0.0493	0.0813	0.0404	0.0965	0.3090	0.6029
30 mph	0.0076	0.0016	0.0046	0.0462	0.0619	0.0305	0.0647	0.2091	0.4262
35 mph	0.0703	0.0151	0.0428	0.0598	0.0639	0.0312	0.0402	0.1286	0.4519
40 mph	(0.0156)	(0.0034)	(0.0095)	0.0224	0.0418	0.0202	0.0335	0.1018	0.1913
45 mph	(0.0114)	(0.0025)	(0.0069)	0.0168	0.0313	0.0150	0.0224	0.0655	0.1302
50 mph	(0.0127)	(0.0028)	(0.0078)	0.0178	0.0339	0.0160	0.0186	0.0487	0.1117
55 mph	(0.0065)	(0.0014)	(0.0039)	0.0113	0.0207	0.0096	0.0064	0.0151	0.0515
60 mph	(0.0010)	(0.0002)	(0.0006)	0.0141	0.0217	0.0100	0.3144	0.7535	1.1120
65 mph	(0.0014)	(0.0003)	(0.0008)	0.0029	0.0055	0.0025	-	-	0.0084
70 mph	(0.0941)	(0.0233)	(0.0585)	0.0727	0.2079	0.0933	-	-	0.1980
RL + HS	0.1587	0.0363	0.0992	0.4099	0.2451	0.0705	0.0637	0.0013	1.0847
RL + DIURN	0.1276	0.0222	0.0650	0.2877	0.0120	0.0034	0.0044	0.0001	0.5224
STREX	0.1218	0.0150	0.0624	0.3069	0.0331	0.0101	0.0264	0.0000	0.5758
total	0.4172	0.0710	0.2298	1.3986	1.3407	0.5547	0.9940	2.1273	**7.1333**

World Logistics Center
Mobile Emissions - 2021 (Net) - Mitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.5899	1.5995	2.3860	38.8493
10 mph	0.0807	0.2412	0.1725	0.2171	0.3257	0.3507	0.8827	7.1413
15 mph	0.0709	0.2061	0.1495	0.1899	0.2910	0.3121	0.7722	6.4109
20 mph	0.0636	0.1815	0.1328	0.1701	0.2677	0.2847	0.6969	5.9198
25 mph	0.0575	0.1630	0.1192	0.1535	0.2493	0.2602	0.6225	5.6676
30 mph	0.0531	0.1502	0.1094	0.1416	0.2364	0.2430	0.5666	5.4716
35 mph	0.0497	0.1417	0.1022	0.1327	0.2277	0.2300	0.5243	5.3792
40 mph	0.0475	0.1365	0.0978	0.1276	0.2221	0.2220	0.5067	5.2777
45 mph	0.0461	0.1333	0.0950	0.1248	0.2177	0.2152	0.4806	5.2741
50 mph	0.0457	0.1357	0.0954	0.1255	0.2211	0.2151	0.4915	5.3027
55 mph	0.0463	0.1402	0.0971	0.1278	0.2244	0.2162	0.4816	5.4728
60 mph	0.0487	0.1503	0.1032	0.1363	0.2357	0.2289	0.5227	5.5990
65 mph	0.0505	0.1621	0.1079	0.1419	0.2484	0.2402		
70 mph	0.0504	0.1889	0.1110	0.1442	0.2706	0.2299		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					61.1639	61.3945	29.7832	28.8904
10 mph	0.1576	0.8775	0.1386	0.1247	1.6313	1.5092	4.5519	10.1164
15 mph	0.1310	0.9079	0.1000	0.0934	1.5606	1.4384	3.2650	7.2083
20 mph	0.1133	0.9436	0.0737	0.0725	1.5563	1.4280	2.6258	5.1033
25 mph	0.1052	0.9846	0.0619	0.0642	1.6294	1.4719	2.0695	4.3574
30 mph	0.1017	1.0284	0.0562	0.0607	1.7100	1.5314	1.5728	3.3429
35 mph	0.0994	1.0743	0.0529	0.0595	1.8201	1.6073	1.1806	2.5504
40 mph	0.0999	1.1198	0.0510	0.0587	1.9127	1.6798	0.8938	1.9805
45 mph	0.1014	1.1654	0.0495	0.0582	1.9990	1.7466	0.7111	1.6255
50 mph	0.1042	1.2121	0.0499	0.0591	2.1273	1.8519	0.6364	1.4498
55 mph	0.1055	1.2634	0.0495	0.0597	2.1985	1.9098	0.6651	1.6156
60 mph	0.1098	1.3100	0.0497	0.0604	2.2253	1.9492	0.8042	1.8369
65 mph	0.1096	1.3617	0.0511	0.0634	2.4535	2.1207		
70 mph	0.1083	1.4124	0.0697	0.0765	3.4000	2.7075		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								39.6781
10 mph								6.5506
15 mph								4.9171
20 mph								3.8993
25 mph								3.4402
30 mph								3.1663
35 mph								2.9571
40 mph								2.7961
45 mph								2.6746
50 mph								2.5874
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0212	0.0048	0.0169	0.0488	0.0329	0.0112	0.0493	0.0031	0.1882
15 mph	0.0074	0.0016	0.0059	0.0171	0.0118	0.0040	0.0144	0.0009	0.0631
20 mph	0.0133	0.0029	0.0104	0.0306	0.0217	0.0073	0.0260	0.0017	0.1138
25 mph	0.0604	0.0129	0.0467	0.1380	0.1009	0.0332	0.1276	0.0090	0.5286
30 mph	0.0613	0.0130	0.0472	0.1400	0.1052	0.0341	0.1055	0.0079	0.5143
35 mph	0.0470	0.0101	0.0361	0.1073	0.0829	0.0264	0.0440	0.0035	0.3572
40 mph	0.0150	0.0032	0.0115	0.0344	0.0270	0.0085	0.0472	0.0038	0.1506
45 mph	0.0121	0.0026	0.0093	0.0280	0.0220	0.0069	0.0358	0.0031	0.1198
50 mph	0.0120	0.0027	0.0093	0.0282	0.0224	0.0069	0.0595	0.0050	0.1459
55 mph	0.0097	0.0022	0.0076	0.0230	0.0182	0.0055	0.0135	0.0012	0.0808
60 mph	0.0205	0.0047	0.0162	0.0490	0.0381	0.0117	0.0146	0.0012	0.1560
65 mph	0.0027	0.0006	0.0021	0.0064	0.0050	0.0015	-	-	0.0183
70 mph	-	-	-	-	-	-	-	-	-
total	0.2825	0.0614	0.2193	0.6506	0.4880	0.1570	0.5373	0.0405	2.4367

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0137)	(0.0031)	(0.0109)	0.0120	0.0138	0.0047	-	-	0.0029
15 mph	(0.0120)	(0.0026)	(0.0095)	0.0105	0.0124	0.0042	-	-	0.0029
20 mph	(0.0108)	(0.0023)	(0.0084)	0.0094	0.0114	0.0038	0.0608	0.0040	0.0679
25 mph	(0.0195)	(0.0042)	(0.0151)	0.0170	0.0212	0.0070	0.0951	0.0067	0.1082
30 mph	(0.0360)	(0.0077)	(0.0277)	0.0313	0.0402	0.0130	0.1483	0.0112	0.1727
35 mph	(0.0758)	(0.0163)	(0.0582)	0.0660	0.0871	0.0277	0.1373	0.0110	0.1788
40 mph	(0.0805)	(0.0174)	(0.0619)	0.0705	0.0944	0.0297	0.1216	0.0099	0.1663
45 mph	(0.0625)	(0.0136)	(0.0481)	0.0551	0.0740	0.0231	0.0839	0.0072	0.1191
50 mph	(0.0698)	(0.0156)	(0.0543)	0.0624	0.0846	0.0259	0.0429	0.0036	0.0797
55 mph	(0.0392)	(0.0089)	(0.0307)	0.0353	0.0477	0.0145	0.0210	0.0019	0.0414
60 mph	(0.0248)	(0.0057)	(0.0196)	0.0226	0.0301	0.0092	1.5966	0.1332	1.7414
65 mph	(0.0086)	(0.0021)	(0.0068)	0.0078	0.0106	0.0032	-	-	0.0042
70 mph	(0.3930)	(0.1108)	(0.3234)	0.3666	0.5291	0.1417	-	-	0.2102
total	(0.8461)	(0.2102)	(0.6747)	0.7664	1.0566	0.3077	2.3074	0.1885	2.8957

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0268	0.0085	0.0179	0.0032	0.0564
15 mph	0.0988	0.0216	0.0778	0.0294	0.0247	0.0083	0.0283	0.0018	0.2907
25 mph	-	-	-	-	0.0401	0.0132	0.0997	0.0071	0.1601
35 mph	0.2979	0.0639	0.2288	0.0812	-	-	-	-	0.6718
total	0.3967	0.0855	0.3066	0.1106	0.0916	0.0300	0.1459	0.0121	1.1791

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0268	0.0085	0.0179	0.0032	0.0564
10 mph	0.0075	0.0017	0.0060	0.0608	0.0468	0.0159	0.0493	0.0031	0.1910
15 mph	0.0942	0.0206	0.0742	0.0570	0.0488	0.0165	0.0427	0.0028	0.3567
20 mph	0.0026	0.0006	0.0020	0.0400	0.0330	0.0111	0.0868	0.0057	0.1818
25 mph	0.0409	0.0087	0.0317	0.1549	0.1622	0.0533	0.3224	0.0229	0.7970
30 mph	0.0253	0.0054	0.0195	0.1713	0.1454	0.0471	0.2539	0.0191	0.6869
35 mph	0.2691	0.0577	0.2066	0.2545	0.1701	0.0541	0.1812	0.0145	1.2078
40 mph	(0.0655)	(0.0142)	(0.0504)	0.1049	0.1213	0.0382	0.1688	0.0137	0.3169
45 mph	(0.0504)	(0.0110)	(0.0388)	0.0832	0.0961	0.0299	0.1197	0.0102	0.2389
50 mph	(0.0578)	(0.0129)	(0.0450)	0.0906	0.1069	0.0328	0.1024	0.0086	0.2256
55 mph	(0.0295)	(0.0067)	(0.0231)	0.0583	0.0658	0.0200	0.0345	0.0031	0.1223
60 mph	(0.0043)	(0.0010)	(0.0034)	0.0716	0.0682	0.0209	1.6112	0.1344	1.8975
65 mph	(0.0059)	(0.0014)	(0.0047)	0.0142	0.0156	0.0047	-	-	0.0225
70 mph	(0.3930)	(0.1108)	(0.3234)	0.3666	0.5291	0.1417	-	-	0.2102
total	(0.1668)	(0.0633)	(0.1488)	1.5276	1.6363	0.4947	2.9907	0.2411	6.5115

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0004	0.0000	0.0001	0.0005	0.1049	0.0719	1.2271	5.2325	6.6374
15 mph	0.0001	0.0000	0.0000	0.0002	0.0401	0.0274	0.2934	1.2428	1.6040
20 mph	0.0002	0.0000	0.0000	0.0003	0.0800	0.0545	0.4719	1.7597	2.3666
25 mph	0.0009	0.0000	0.0001	0.0011	0.4191	0.2806	2.0456	8.2637	11.0112
30 mph	0.0010	0.0001	0.0001	0.0012	0.4838	0.3212	1.4133	5.7635	7.9841
35 mph	0.0008	0.0000	0.0001	0.0009	0.4213	0.2758	0.4774	1.9787	3.1551
40 mph	0.0003	0.0000	0.0000	0.0003	0.1476	0.0961	0.4016	1.7073	2.3531
45 mph	0.0002	0.0000	0.0000	0.0003	0.1285	0.0833	0.2556	1.1210	1.5889
50 mph	0.0002	0.0000	0.0000	0.0003	0.1368	0.0883	0.3717	1.6247	2.2220
55 mph	0.0002	0.0000	0.0000	0.0002	0.1131	0.0728	0.0897	0.4178	0.6938
60 mph	0.0004	0.0000	0.0000	0.0004	0.2289	0.1487	0.1084	0.4750	0.9619
65 mph	0.0000	0.0000	0.0000	0.0001	0.0315	0.0202	-	-	0.0519
70 mph	-	-	-	-	-	-	-	-	-
total	0.0048	0.0002	0.0007	0.0057	2.3356	1.5408	7.1556	29.5866	40.6301

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0441	0.0302	-	-	0.0742
15 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0422	0.0288	-	-	0.0709
20 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0421	0.0286	1.1054	4.1221	5.2980
25 mph	(0.0003)	(0.0000)	(0.0000)	0.0001	0.0881	0.0590	1.5247	6.1593	7.8307
30 mph	(0.0006)	(0.0000)	(0.0001)	0.0003	0.1848	0.1227	1.9864	8.1006	10.3941
35 mph	(0.0013)	(0.0001)	(0.0002)	0.0006	0.4427	0.2898	1.4911	6.1801	8.4027
40 mph	(0.0014)	(0.0001)	(0.0002)	0.0006	0.5169	0.3365	1.0348	4.3992	6.2863
45 mph	(0.0012)	(0.0001)	(0.0001)	0.0005	0.4321	0.2799	0.5988	2.6260	3.9359
50 mph	(0.0014)	(0.0001)	(0.0002)	0.0006	0.5174	0.3339	0.2679	1.1711	2.2892
55 mph	(0.0008)	(0.0000)	(0.0001)	0.0003	0.2971	0.1913	0.1400	0.6525	1.2803
60 mph	(0.0005)	(0.0000)	(0.0001)	0.0002	0.1804	0.1172	11.8492	51.9296	64.0760
65 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0663	0.0425	-	-	0.1087
70 mph	(0.0072)	(0.0005)	(0.0012)	0.0038	4.2263	2.4952	-	-	6.7164
total	(0.0154)	(0.0009)	(0.0023)	0.0074	7.0803	4.3557	19.9982	85.3403	116.7633

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.6563	0.4884	1.0792	2.0085	4.2325
15 mph	0.0016	0.0001	0.0003	0.0003	0.0841	0.0575	0.5767	2.4429	3.1634
25 mph	-	-	-	-	0.1667	0.1117	1.5996	6.4622	8.3402
35 mph	0.0051	0.0003	0.0007	0.0007	-	-	-	-	0.0068
total	0.0067	0.0003	0.0010	0.0010	0.9071	0.6575	3.2556	10.9136	15.7428

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.6563	0.4884	1.0792	2.0085	4.2325
10 mph	0.0001	0.0000	0.0000	0.0007	0.1490	0.1022	1.2271	5.2325	6.7115
15 mph	0.0015	0.0001	0.0003	0.0005	0.1664	0.1137	0.8701	3.6857	4.8382
20 mph	0.0000	0.0000	0.0000	0.0003	0.1221	0.0831	1.5773	5.8818	7.6646
25 mph	0.0006	0.0000	0.0001	0.0013	0.6738	0.4513	5.1699	20.8851	27.1822
30 mph	0.0004	0.0000	0.0001	0.0014	0.6686	0.4439	3.3997	13.8640	18.3782
35 mph	0.0046	0.0003	0.0006	0.0022	0.8639	0.5656	1.9685	8.1588	11.5645
40 mph	(0.0012)	(0.0001)	(0.0002)	0.0009	0.6645	0.4326	1.4363	6.1065	8.6395
45 mph	(0.0009)	(0.0001)	(0.0001)	0.0008	0.5607	0.3632	0.8544	3.7470	5.5248
50 mph	(0.0011)	(0.0001)	(0.0001)	0.0008	0.6541	0.4222	0.6396	2.7958	4.5112
55 mph	(0.0006)	(0.0000)	(0.0001)	0.0005	0.4101	0.2641	0.2297	1.0703	1.9741
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0006	0.4093	0.2658	11.9576	52.4046	65.0379
65 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0979	0.0627	-	-	0.1605
70 mph	(0.0072)	(0.0005)	(0.0012)	0.0038	4.2263	2.4952	-	-	6.7164
total	(0.0039)	(0.0004)	(0.0006)	0.0140	10.3231	6.5541	30.4093	125.8406	173.1362

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1639	0.1639
15 mph								0.0410	0.0410
20 mph								0.0651	0.0651
25 mph								0.3157	0.3157
30 mph								0.2641	0.2641
35 mph								0.1110	0.1110
40 mph								0.1166	0.1166
45 mph								0.0893	0.0893
50 mph								0.1403	0.1403
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.3071	1.3071

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.1524	0.1524
25 mph								0.2353	0.2353
30 mph								0.3713	0.3713
35 mph								0.3467	0.3467
40 mph								0.3005	0.3005
45 mph								0.2091	0.2091
50 mph								0.1011	0.1011
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.1057	1.1057

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.1335	0.1335
15 mph								0.0806	0.0806
25 mph								0.2469	0.2469
35 mph								-	-
total	-	-	-	-	-	-	-	0.4610	0.4610

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.1335	0.1335
10 mph								0.1639	0.1639
15 mph								0.1217	0.1217
20 mph								0.2175	0.2175
25 mph								0.7979	0.7979
30 mph								0.6354	0.6354
35 mph								0.4577	0.4577
40 mph								0.4172	0.4172
45 mph								0.2983	0.2983
50 mph								0.2414	0.2414
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.4845	3.4845

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.6832	0.4969	1.0971	2.1452	4.4224
10 mph	0.0076	0.0017	0.0060	0.0614	0.1958	0.1181	1.2764	5.3995	7.0665
15 mph	0.0957	0.0206	0.0745	0.0575	0.2152	0.1302	0.9128	3.8101	5.3166
20 mph	0.0026	0.0006	0.0020	0.0403	0.1551	0.0941	1.6641	6.1050	8.0638
25 mph	0.0415	0.0087	0.0318	0.1562	0.8360	0.5046	5.4922	21.7058	28.7770
30 mph	0.0257	0.0054	0.0196	0.1727	0.8140	0.4910	3.6536	14.5185	19.7005
35 mph	0.2737	0.0580	0.2073	0.2567	1.0340	0.6197	2.1497	8.6310	13.2300
40 mph	(0.0667)	(0.0142)	(0.0506)	0.1058	0.7858	0.4709	1.6051	6.5374	9.3735
45 mph	(0.0513)	(0.0110)	(0.0389)	0.0839	0.6567	0.3931	0.9741	4.0555	6.0621
50 mph	(0.0589)	(0.0130)	(0.0451)	0.0914	0.7611	0.4550	0.7420	3.0458	4.9783
55 mph	(0.0301)	(0.0068)	(0.0232)	0.0588	0.4760	0.2841	0.2641	1.0734	2.0964
60 mph	(0.0044)	(0.0010)	(0.0034)	0.0722	0.4775	0.2867	13.5687	52.5390	66.9353
65 mph	(0.0060)	(0.0014)	(0.0047)	0.0143	0.1134	0.0675	-	-	0.1830
70 mph	(0.4002)	(0.1113)	(0.3245)	0.3703	4.7554	2.6369	-	-	6.9266
STREX	0.0947	0.0104	0.0573	0.2660	0.1291	0.0412	0.8972	2.0101	3.5060
total	(0.0760)	(0.0533)	(0.0921)	1.8077	12.0884	7.0900	34.2972	131.5763	**186.6382**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2063	0.3001	0.3344	0.4065	0.5241	0.5312	0.3664	0.6989
Diesel	-	-	-	-	-	-	1.5050	1.8455
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0947	0.0104	0.0573	0.2660	0.1291	0.0412	0.0431	0.0006
Diesel	-	-	-	-	-	-	0.8541	2.0094
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0947	0.0104	0.0573	0.2660	0.1291	0.0412	0.8972	2.0101

World Logistics Center
Mobile Emissions - 2021 (Net) - Mitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					153.7752	154.0836	383.7727	466.4531
10 mph	1.3459	2.9249	1.9338	2.4400	2.0081	1.4161	3.9641	78.6498
15 mph	1.2218	2.5793	1.7361	2.1467	1.6087	1.1902	3.4228	66.4163
20 mph	1.1122	2.3040	1.5694	1.9117	1.3502	1.0332	3.0571	57.8328
25 mph	1.0129	2.0762	1.4200	1.7058	1.1589	0.8964	2.6891	51.7873
30 mph	0.9258	1.8883	1.2922	1.5404	1.0265	0.7979	2.3919	46.9977
35 mph	0.8487	1.7370	1.1819	1.4023	0.9380	0.7232	2.1526	43.4156
40 mph	0.7872	1.6166	0.5885	1.3038	0.8903	0.6806	2.0244	40.7128
45 mph	0.7352	1.5120	1.0247	1.2270	0.8615	0.6437	1.8551	38.9334
50 mph	0.6891	1.4440	0.9667	1.1720	0.8776	0.6330	1.8296	37.6881
55 mph	0.6427	1.3693	0.9057	1.1185	0.9036	0.6212	1.7027	37.6234
60 mph	0.5942	1.2906	0.8441	1.0866	0.9932	0.6562	1.7534	38.2788
65 mph	0.5528	1.2464	0.7927	1.0505	1.1585	0.7257		
70 mph	0.5233	1.3398	0.7701	0.9821	1.1567	0.6006		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	21.0240	33.6172
10 mph	2.3971	2.8642	1.6451	2.4635	2.0509	2.0792	0.4940	1.6583
15 mph	1.2130	1.9992	0.8165	1.2163	1.1618	1.1594	0.2721	0.8963
20 mph	0.5206	1.4690	0.3320	0.4907	0.6427	0.6239	0.1828	0.5082
25 mph	0.3332	1.2003	0.2057	0.3037	0.4792	0.4562	0.1392	0.4091
30 mph	0.2596	1.0466	0.1581	0.2338	0.4037	0.3807	0.1064	0.3126
35 mph	0.2130	0.9652	0.1282	0.1902	0.3635	0.3379	0.0800	0.2359
40 mph	0.1837	0.9319	0.1085	0.1605	0.3418	0.3148	0.0599	0.1777
45 mph	0.1654	0.9448	0.0950	0.1398	0.3374	0.3076	0.0458	0.1364
50 mph	0.1553	1.0104	0.0867	0.1263	0.3555	0.3209	0.0377	0.1102
55 mph	0.1511	1.1436	0.0814	0.1176	0.3862	0.3456	0.0354	0.1057
60 mph	0.1608	1.3495	0.0823	0.1177	0.4373	0.3918	0.0392	0.1128
65 mph	0.1773	1.7119	0.0894	0.1276	0.5668	0.4998		
70 mph	0.1800	2.0907	0.1134	0.1453	0.8560	0.6994		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								31.3404
10 mph								32.7062
15 mph								23.0164
20 mph								16.6392
25 mph								12.2018
30 mph								9.0032
35 mph								6.6462
40 mph								4.9096
45 mph								3.6305
50 mph								2.6890
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.3534	0.0577	0.1896	0.5481	0.2031	0.0451	0.2215	0.0342	1.6528
15 mph	0.1283	0.0204	0.0681	0.1929	0.0651	0.0152	0.0638	0.0096	0.5633
20 mph	0.2336	0.0364	0.1231	0.3436	0.1093	0.0263	0.1139	0.0168	1.0029
25 mph	1.0637	0.1640	0.5569	1.5328	0.4688	0.1143	0.5510	0.0826	4.5342
30 mph	1.0694	0.1640	0.5575	1.5226	0.4568	0.1119	0.4456	0.0682	4.3959
35 mph	0.8021	0.1235	0.4172	1.1340	0.3415	0.0830	0.1804	0.0283	3.1101
40 mph	0.2480	0.0383	0.0693	0.3515	0.1081	0.0260	0.1885	0.0295	1.0592
45 mph	0.1930	0.0299	0.1005	0.2756	0.0871	0.0205	0.1382	0.0226	0.8674
50 mph	0.1809	0.0285	0.0948	0.2633	0.0888	0.0202	0.2215	0.0355	0.9335
55 mph	0.1350	0.0216	0.0710	0.2010	0.0731	0.0158	0.0476	0.0082	0.5734
60 mph	0.2496	0.0408	0.1324	0.3906	0.1607	0.0335	0.0490	0.0083	1.0649
65 mph	0.0290	0.0049	0.0155	0.0472	0.0234	0.0046	-	-	0.1247
70 mph	-	-	-	-	-	-	-	-	-
total	4.6860	0.7300	2.3960	6.8032	2.1859	0.5165	2.2210	0.3439	19.8824

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.2282)	(0.0373)	(0.1224)	0.1348	0.0854	0.0190	-	-	(0.1487)
15 mph	(0.2071)	(0.0329)	(0.1099)	0.1186	0.0684	0.0159	-	-	(0.1470)
20 mph	(0.1885)	(0.0294)	(0.0994)	0.1056	0.0574	0.0138	0.2668	0.0393	0.1657
25 mph	(0.3434)	(0.0529)	(0.1798)	0.1885	0.0985	0.0240	0.4107	0.0616	0.2071
30 mph	(0.6277)	(0.0963)	(0.3272)	0.3404	0.1746	0.0428	0.6262	0.0958	0.2285
35 mph	(1.2948)	(0.1993)	(0.6734)	0.6972	0.3589	0.0872	0.5636	0.0885	(0.3722)
40 mph	(1.3344)	(0.2061)	(0.3726)	0.7203	0.3785	0.0912	0.4858	0.0761	(0.1613)
45 mph	(0.9970)	(0.1542)	(0.5190)	0.5423	0.2930	0.0690	0.3238	0.0529	(0.3892)
50 mph	(1.0513)	(0.1657)	(0.5509)	0.5827	0.3358	0.0763	0.1597	0.0256	(0.5877)
55 mph	(0.5448)	(0.0873)	(0.2867)	0.3090	0.1921	0.0416	0.0743	0.0128	(0.2890)
60 mph	(0.3022)	(0.0494)	(0.1603)	0.1801	0.1267	0.0264	5.3555	0.9104	6.0871
65 mph	(0.0937)	(0.0159)	(0.0502)	0.0580	0.0492	0.0097	-	-	(0.0428)
70 mph	(4.0801)	(0.7857)	(2.2427)	2.4958	2.2619	0.3701	-	-	(1.9807)
total	(11.2931)	(1.9122)	(5.6946)	6.4733	4.4802	0.8870	8.2663	1.3630	2.5698

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.5959	0.8196	2.8827	0.0381	6.3362
15 mph	1.7025	0.2703	0.9035	0.3323	0.1363	0.0318	0.1253	0.0189	3.5209
25 mph	-	-	-	-	0.1865	0.0455	0.4309	0.0646	0.7275
35 mph	5.0883	0.7831	2.6465	0.8582	-	-	-	-	9.3760
total	6.7907	1.0534	3.5500	1.1905	2.9187	0.8969	3.4389	0.1216	19.9607

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.5959	0.8196	2.8827	0.0381	6.3362
10 mph	0.1252	0.0205	0.0672	0.6829	0.2885	0.0641	0.2215	0.0342	1.5041
15 mph	1.6236	0.2578	0.8617	0.6438	0.2698	0.0629	0.1891	0.0286	3.9373
20 mph	0.0451	0.0070	0.0237	0.4492	0.1667	0.0402	0.3807	0.0561	1.1686
25 mph	0.7203	0.1110	0.3771	1.7213	0.7539	0.1838	1.3925	0.2088	5.4688
30 mph	0.4417	0.0678	0.2303	1.8630	0.6314	0.1547	1.0718	0.1640	4.6244
35 mph	4.5956	0.7073	2.3902	2.6895	0.7004	0.1702	0.7440	0.1168	12.1140
40 mph	(1.0864)	(0.1678)	(0.3034)	1.0718	0.4865	0.1172	0.6744	0.1056	0.8979
45 mph	(0.8039)	(0.1243)	(0.4185)	0.8179	0.3801	0.0895	0.4620	0.0755	0.4782
50 mph	(0.8704)	(0.1372)	(0.4561)	0.8460	0.4245	0.0965	0.3812	0.0611	0.3458
55 mph	(0.4098)	(0.0656)	(0.2157)	0.5100	0.2652	0.0574	0.1219	0.0210	0.2844
60 mph	(0.0526)	(0.0086)	(0.0279)	0.5707	0.2874	0.0598	5.4044	0.9187	7.1520
65 mph	(0.0647)	(0.0110)	(0.0346)	0.1052	0.0727	0.0143	-	-	0.0820
70 mph	(4.0801)	(0.7857)	(2.2427)	2.4958	2.2619	0.3701	-	-	(1.9807)
total	0.1837	(0.1288)	0.2514	14.4669	9.5849	2.3003	13.9262	1.8285	42.4130

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0054	0.0000	0.0009	0.0108	0.1319	0.0991	0.1332	0.8577	1.2390
15 mph	0.0011	0.0000	0.0002	0.0021	0.0299	0.0221	0.0245	0.1545	0.2344
20 mph	0.0009	0.0000	0.0002	0.0017	0.0331	0.0238	0.0329	0.1753	0.2678
25 mph	0.0030	0.0001	0.0005	0.0053	0.1232	0.0870	0.1376	0.7758	1.1324
30 mph	0.0026	0.0001	0.0004	0.0045	0.1142	0.0798	0.0956	0.5389	0.8361
35 mph	0.0017	0.0000	0.0003	0.0030	0.0841	0.0580	0.0324	0.1830	0.3625
40 mph	0.0005	0.0000	0.0001	0.0008	0.0264	0.0180	0.0269	0.1531	0.2259
45 mph	0.0004	0.0000	0.0001	0.0006	0.0217	0.0147	0.0165	0.0941	0.1479
50 mph	0.0003	0.0000	0.0000	0.0006	0.0229	0.0153	0.0220	0.1235	0.1847
55 mph	0.0003	0.0000	0.0000	0.0004	0.0199	0.0132	0.0048	0.0273	0.0659
60 mph	0.0006	0.0000	0.0001	0.0008	0.0450	0.0299	0.0053	0.0292	0.1108
65 mph	0.0001	0.0000	0.0000	0.0001	0.0073	0.0048	-	-	0.0123
70 mph	-	-	-	-	-	-	-	-	-
total	0.0168	0.0003	0.0027	0.0308	0.6594	0.4656	0.5315	3.1125	4.8196

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0035)	(0.0000)	(0.0006)	0.0026	0.0554	0.0417	-	-	0.0956
15 mph	(0.0018)	(0.0000)	(0.0003)	0.0013	0.0314	0.0232	-	-	0.0539
20 mph	(0.0008)	(0.0000)	(0.0001)	0.0005	0.0174	0.0125	0.0770	0.4105	0.5170
25 mph	(0.0010)	(0.0000)	(0.0002)	0.0007	0.0259	0.0183	0.1025	0.5782	0.7245
30 mph	(0.0015)	(0.0000)	(0.0002)	0.0010	0.0436	0.0305	0.1344	0.7574	0.9652
35 mph	(0.0028)	(0.0001)	(0.0004)	0.0018	0.0884	0.0609	0.1011	0.5716	0.8205
40 mph	(0.0027)	(0.0001)	(0.0004)	0.0017	0.0924	0.0631	0.0694	0.3946	0.6180
45 mph	(0.0019)	(0.0001)	(0.0003)	0.0012	0.0729	0.0493	0.0386	0.2204	0.3801
50 mph	(0.0020)	(0.0001)	(0.0003)	0.0012	0.0864	0.0579	0.0159	0.0890	0.2481
55 mph	(0.0011)	(0.0000)	(0.0001)	0.0006	0.0522	0.0346	0.0075	0.0427	0.1363
60 mph	(0.0007)	(0.0000)	(0.0001)	0.0004	0.0355	0.0235	0.5779	3.1902	3.8267
65 mph	(0.0003)	(0.0000)	(0.0000)	0.0001	0.0153	0.0100	-	-	0.0252
70 mph	(0.0120)	(0.0007)	(0.0019)	0.0072	1.0640	0.6446	-	-	1.7011
total	(0.0319)	(0.0012)	(0.0050)	0.0205	1.6808	1.0701	1.1242	6.2547	10.1122

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2822	0.2092	0.7618	2.3372	3.5904
15 mph	0.0145	0.0001	0.0025	0.0037	0.0626	0.0463	0.0481	0.3038	0.4814
25 mph	-	-	-	-	0.0490	0.0346	0.1076	0.6067	0.7979
35 mph	0.0109	0.0003	0.0017	0.0023	-	-	-	-	0.0151
total	0.0254	0.0004	0.0041	0.0059	0.3938	0.2901	0.9175	3.2476	4.8849

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2822	0.2092	0.7618	2.3372	3.5904
10 mph	0.0019	0.0000	0.0003	0.0134	0.1873	0.1408	0.1332	0.8577	1.3346
15 mph	0.0138	0.0001	0.0024	0.0071	0.1239	0.0916	0.0725	0.4583	0.7697
20 mph	0.0002	0.0000	0.0000	0.0022	0.0504	0.0363	0.1098	0.5858	0.7848
25 mph	0.0020	0.0000	0.0003	0.0060	0.1982	0.1399	0.3477	1.9607	2.6547
30 mph	0.0011	0.0000	0.0002	0.0055	0.1579	0.1103	0.2300	1.2963	1.8013
35 mph	0.0099	0.0002	0.0015	0.0071	0.1725	0.1189	0.1334	0.7546	1.1981
40 mph	(0.0022)	(0.0001)	(0.0003)	0.0026	0.1187	0.0811	0.0963	0.5477	0.8439
45 mph	(0.0015)	(0.0000)	(0.0002)	0.0018	0.0946	0.0640	0.0550	0.3145	0.5281
50 mph	(0.0017)	(0.0001)	(0.0002)	0.0018	0.1093	0.0732	0.0379	0.2126	0.4327
55 mph	(0.0008)	(0.0000)	(0.0001)	0.0010	0.0721	0.0478	0.0122	0.0701	0.2022
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0012	0.0804	0.0534	0.5832	3.2193	3.9375
65 mph	(0.0002)	(0.0000)	(0.0000)	0.0002	0.0226	0.0148	-	-	0.0374
70 mph	(0.0120)	(0.0007)	(0.0019)	0.0072	1.0640	0.6446	-	-	1.7011
total	0.0103	(0.0005)	0.0018	0.0572	2.7341	1.8258	2.5731	12.6147	19.8166

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.8186	0.8186
15 mph								0.1920	0.1920
20 mph								0.2776	0.2776
25 mph								1.1197	1.1197
30 mph								0.7511	0.7511
35 mph								0.2495	0.2495
40 mph								0.2048	0.2048
45 mph								0.1212	0.1212
50 mph								0.1458	0.1458
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.8803	3.8803

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.6503	0.6503
25 mph								0.8346	0.8346
30 mph								1.0557	1.0557
35 mph								0.7793	0.7793
40 mph								0.5277	0.5277
45 mph								0.2838	0.2838
50 mph								0.1051	0.1051
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.3199	3.3199

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.1054	0.1054
15 mph								0.3775	0.3775
25 mph								0.8756	0.8756
35 mph								-	-
total	-	-	-	-	-	-	-	1.3585	1.3585

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.1054	0.1054
10 mph								0.8186	0.8186
15 mph								0.5695	0.5695
20 mph								0.9280	0.9280
25 mph								2.8299	2.8299
30 mph								1.8068	1.8068
35 mph								1.0288	1.0288
40 mph								0.7325	0.7325
45 mph								0.4050	0.4050
50 mph								0.2509	0.2509
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	9.4753	9.4753

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.8781	1.0289	3.6445	2.4807	10.0321
10 mph	0.1271	0.0205	0.0675	0.6963	0.4758	0.2049	0.3547	1.7105	3.6572
15 mph	1.6374	0.2579	0.8641	0.6509	0.3937	0.1545	0.2616	1.0563	5.2764
20 mph	0.0452	0.0070	0.0238	0.4514	0.2171	0.0765	0.4905	1.5698	2.8813
25 mph	0.7223	0.1111	0.3775	1.7272	0.9521	0.3236	1.7403	4.9994	10.9535
30 mph	0.4427	0.0678	0.2304	1.8685	0.7892	0.2650	1.3018	3.2671	8.2325
35 mph	4.6055	0.7075	2.3917	2.6966	0.8729	0.2891	0.8774	1.9002	14.3409
40 mph	(1.0886)	(0.1678)	(0.3037)	1.0744	0.6053	0.1983	0.7706	1.3858	2.4743
45 mph	(0.8055)	(0.1244)	(0.4187)	0.8197	0.4748	0.1535	0.5170	0.7949	1.4113
50 mph	(0.8721)	(0.1372)	(0.4563)	0.8478	0.5338	0.1696	0.4191	0.5247	1.0295
55 mph	(0.4106)	(0.0657)	(0.2158)	0.5110	0.3372	0.1052	0.1341	0.0910	0.4866
60 mph	(0.0527)	(0.0086)	(0.0279)	0.5719	0.3678	0.1133	5.9877	4.1381	11.0895
65 mph	(0.0649)	(0.0110)	(0.0347)	0.1055	0.0953	0.0291	-	-	0.1194
70 mph	(4.0921)	(0.7864)	(2.2447)	2.5030	3.3259	1.0147	-	-	(0.2796)
STREX	1.0137	0.0831	0.4849	2.2013	0.4384	0.1364	0.5437	0.0044	4.9058
total	1.2076	(0.0462)	0.7381	16.7254	12.7574	4.2626	17.0430	23.9229	**76.6108**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.2080	2.4077	2.8278	3.3641	1.7803	1.7574	4.6216	4.7964
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.0137	0.0831	0.4849	2.2013	0.4384	0.1364	0.5437	0.0044
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	1.0137	0.0831	0.4849	2.2013	0.4384	0.1364	0.5437	0.0044

World Logistics Center
Mobile Emissions - 2021 (Net) - Mitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0569	0.0569	0.1445	0.2468
10 mph	0.0052	0.0060	0.0066	0.0080	0.0152	0.0175	0.0318	0.0401
15 mph	0.0042	0.0049	0.0054	0.0065	0.0124	0.0143	0.0260	0.0328
20 mph	0.0035	0.0041	0.0045	0.0054	0.0103	0.0119	0.0216	0.0273
25 mph	0.0030	0.0035	0.0038	0.0047	0.0088	0.0101	0.0185	0.0234
30 mph	0.0027	0.0031	0.0034	0.0041	0.0078	0.0090	0.0164	0.0207
35 mph	0.0025	0.0029	0.0031	0.0038	0.0073	0.0084	0.0152	0.0192
40 mph	0.0024	0.0028	0.0030	0.0037	0.0070	0.0081	0.0147	0.0186
45 mph	0.0024	0.0028	0.0031	0.0037	0.0071	0.0081	0.0148	0.0186
50 mph	0.0025	0.0029	0.0031	0.0039	0.0073	0.0084	0.0152	0.0191
55 mph	0.0026	0.0030	0.0033	0.0040	0.0076	0.0087	0.0158	0.0199
60 mph	0.0027	0.0031	0.0034	0.0041	0.0079	0.0090	0.0164	0.0207
65 mph	0.0027	0.0032	0.0035	0.0043	0.0081	0.0093		
70 mph	0.0028	0.0032	0.0035	0.0043	0.0082	0.0094		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0366	0.0587	0.0621	0.0574
10 mph	0.0041	0.0086	0.0056	0.0070	0.0095	0.0107	0.0188	0.0331
15 mph	0.0034	0.0071	0.0047	0.0059	0.0062	0.0071	0.0150	0.0237
20 mph	0.0028	0.0058	0.0038	0.0049	0.0053	0.0060	0.0127	0.0193
25 mph	0.0023	0.0049	0.0032	0.0042	0.0047	0.0054	0.0112	0.0168
30 mph	0.0020	0.0042	0.0028	0.0036	0.0043	0.0049	0.0100	0.0148
35 mph	0.0018	0.0038	0.0025	0.0033	0.0043	0.0049	0.0090	0.0138
40 mph	0.0017	0.0035	0.0023	0.0031	0.0042	0.0047	0.0084	0.0126
45 mph	0.0017	0.0034	0.0023	0.0030	0.0041	0.0045	0.0080	0.0119
50 mph	0.0017	0.0034	0.0023	0.0030	0.0043	0.0047	0.0078	0.0114
55 mph	0.0017	0.0036	0.0024	0.0031	0.0045	0.0049	0.0079	0.0116
60 mph	0.0019	0.0039	0.0026	0.0034	0.0045	0.0049	0.0083	0.0121
65 mph	0.0021	0.0043	0.0029	0.0038	0.0046	0.0049		
70 mph	0.0023	0.0045	0.0031	0.0042	0.0046	0.0050		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0014	0.0001	0.0006	0.0018	0.0015	0.0006	0.0018	0.0000	0.0078
15 mph	0.0004	0.0000	0.0002	0.0006	0.0005	0.0002	0.0005	0.0000	0.0025
20 mph	0.0007	0.0001	0.0003	0.0010	0.0008	0.0003	0.0008	0.0000	0.0041
25 mph	0.0032	0.0003	0.0015	0.0042	0.0036	0.0013	0.0038	0.0000	0.0178
30 mph	0.0031	0.0003	0.0015	0.0041	0.0035	0.0013	0.0031	0.0000	0.0167
35 mph	0.0023	0.0002	0.0011	0.0031	0.0026	0.0010	0.0013	0.0000	0.0117
40 mph	0.0008	0.0001	0.0004	0.0010	0.0009	0.0003	0.0014	0.0000	0.0047
45 mph	0.0006	0.0001	0.0003	0.0008	0.0007	0.0003	0.0011	0.0000	0.0039
50 mph	0.0007	0.0001	0.0003	0.0009	0.0007	0.0003	0.0018	0.0000	0.0047
55 mph	0.0005	0.0000	0.0003	0.0007	0.0006	0.0002	0.0004	0.0000	0.0028
60 mph	0.0011	0.0001	0.0005	0.0015	0.0013	0.0005	0.0005	0.0000	0.0054
65 mph	0.0001	0.0000	0.0001	0.0002	0.0002	0.0001	-	-	0.0006
70 mph	-	-	-	-	-	-	-	-	-
total	0.0150	0.0013	0.0071	0.0198	0.0169	0.0061	0.0164	0.0002	0.0829

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0009)	(0.0001)	(0.0004)	0.0004	0.0006	0.0002	-	-	(0.0000)
15 mph	(0.0007)	(0.0001)	(0.0003)	0.0004	0.0005	0.0002	-	-	(0.0000)
20 mph	(0.0006)	(0.0001)	(0.0003)	0.0003	0.0004	0.0002	0.0019	0.0000	0.0019
25 mph	(0.0010)	(0.0001)	(0.0005)	0.0005	0.0008	0.0003	0.0028	0.0000	0.0028
30 mph	(0.0018)	(0.0002)	(0.0009)	0.0009	0.0013	0.0005	0.0043	0.0000	0.0042
35 mph	(0.0038)	(0.0003)	(0.0018)	0.0019	0.0028	0.0010	0.0040	0.0000	0.0038
40 mph	(0.0041)	(0.0004)	(0.0019)	0.0021	0.0030	0.0011	0.0035	0.0000	0.0033
45 mph	(0.0033)	(0.0003)	(0.0015)	0.0017	0.0024	0.0009	0.0026	0.0000	0.0024
50 mph	(0.0038)	(0.0003)	(0.0018)	0.0019	0.0028	0.0010	0.0013	0.0000	0.0011
55 mph	(0.0022)	(0.0002)	(0.0010)	0.0011	0.0016	0.0006	0.0007	0.0000	0.0006
60 mph	(0.0014)	(0.0001)	(0.0006)	0.0007	0.0010	0.0004	0.0502	0.0005	0.0506
65 mph	(0.0005)	(0.0000)	(0.0002)	0.0002	0.0003	0.0001	-	-	(0.0000)
70 mph	(0.0215)	(0.0019)	(0.0102)	0.0110	0.0161	0.0058	-	-	(0.0006)
total	(0.0454)	(0.0040)	(0.0215)	0.0231	0.0337	0.0122	0.0713	0.0007	0.0701

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0010	0.0003	0.0011	0.0000	0.0024
15 mph	0.0059	0.0005	0.0028	0.0010	0.0011	0.0004	0.0010	0.0000	0.0126
25 mph	-	-	-	-	0.0014	0.0005	0.0030	0.0000	0.0049
35 mph	0.0149	0.0013	0.0070	0.0024	-	-	-	-	0.0256
total	0.0208	0.0018	0.0098	0.0034	0.0034	0.0012	0.0050	0.0001	0.0455

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0010	0.0003	0.0011	0.0000	0.0024
10 mph	0.0005	0.0000	0.0002	0.0022	0.0022	0.0008	0.0018	0.0000	0.0078
15 mph	0.0056	0.0005	0.0027	0.0020	0.0021	0.0008	0.0014	0.0000	0.0150
20 mph	0.0001	0.0000	0.0001	0.0013	0.0013	0.0005	0.0027	0.0000	0.0060
25 mph	0.0021	0.0002	0.0010	0.0047	0.0057	0.0021	0.0096	0.0001	0.0255
30 mph	0.0013	0.0001	0.0006	0.0050	0.0048	0.0017	0.0073	0.0001	0.0210
35 mph	0.0134	0.0012	0.0064	0.0074	0.0054	0.0020	0.0052	0.0001	0.0410
40 mph	(0.0033)	(0.0003)	(0.0016)	0.0031	0.0038	0.0014	0.0049	0.0000	0.0081
45 mph	(0.0026)	(0.0002)	(0.0012)	0.0025	0.0031	0.0011	0.0037	0.0000	0.0063
50 mph	(0.0031)	(0.0003)	(0.0015)	0.0028	0.0035	0.0013	0.0032	0.0000	0.0059
55 mph	(0.0016)	(0.0001)	(0.0008)	0.0018	0.0022	0.0008	0.0011	0.0000	0.0034
60 mph	(0.0002)	(0.0000)	(0.0001)	0.0022	0.0023	0.0008	0.0506	0.0005	0.0561
65 mph	(0.0003)	(0.0000)	(0.0002)	0.0004	0.0005	0.0002	-	-	0.0006
70 mph	(0.0215)	(0.0019)	(0.0102)	0.0110	0.0161	0.0058	-	-	(0.0006)
total	(0.0097)	(0.0009)	(0.0046)	0.0463	0.0541	0.0195	0.0926	0.0009	0.1984

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0005	0.0051	0.0171	0.0234
15 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0001	0.0013	0.0041	0.0057
20 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	0.0023	0.0067	0.0095
25 mph	0.0000	0.0000	0.0000	0.0001	0.0012	0.0010	0.0111	0.0318	0.0452
30 mph	0.0000	0.0000	0.0000	0.0001	0.0012	0.0010	0.0090	0.0256	0.0369
35 mph	0.0000	0.0000	0.0000	0.0001	0.0010	0.0008	0.0037	0.0107	0.0163
40 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0038	0.0109	0.0153
45 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	0.0029	0.0082	0.0116
50 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	0.0046	0.0128	0.0179
55 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0011	0.0030	0.0045
60 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0004	0.0011	0.0031	0.0051
65 mph	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	-	-	0.0001
70 mph	-	-	-	-	-	-	-	-	-
total	0.0001	0.0000	0.0000	0.0003	0.0061	0.0051	0.0458	0.1340	0.1914

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0003	0.0002	-	-	0.0005
15 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0002	0.0001	-	-	0.0003
20 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0001	0.0001	0.0054	0.0156	0.0212
25 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0003	0.0002	0.0083	0.0237	0.0324
30 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0005	0.0004	0.0126	0.0360	0.0494
35 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0010	0.0009	0.0114	0.0334	0.0468
40 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0011	0.0009	0.0097	0.0280	0.0398
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0009	0.0007	0.0067	0.0193	0.0276
50 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0010	0.0008	0.0033	0.0092	0.0144
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0006	0.0005	0.0017	0.0047	0.0075
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0004	0.0003	0.1227	0.3428	0.4661
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0001	0.0001	-	-	0.0002
70 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0058	0.0046	-	-	0.0103
total	(0.0003)	(0.0000)	(0.0001)	0.0004	0.0122	0.0099	0.1817	0.5127	0.7166

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0005	0.0023	0.0040	0.0071
15 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0026	0.0080	0.0114
25 mph	-	-	-	-	0.0005	0.0004	0.0087	0.0249	0.0344
35 mph	0.0001	0.0000	0.0000	0.0000	-	-	-	-	0.0002
total	0.0001	0.0000	0.0000	0.0001	0.0012	0.0012	0.0136	0.0369	0.0531

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0005	0.0023	0.0040	0.0071
10 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0007	0.0051	0.0171	0.0238
15 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0006	0.0040	0.0121	0.0174
20 mph	0.0000	0.0000	0.0000	0.0000	0.0004	0.0004	0.0077	0.0223	0.0307
25 mph	0.0000	0.0000	0.0000	0.0001	0.0019	0.0017	0.0280	0.0804	0.1121
30 mph	0.0000	0.0000	0.0000	0.0001	0.0017	0.0014	0.0216	0.0615	0.0863
35 mph	0.0001	0.0000	0.0000	0.0001	0.0020	0.0017	0.0151	0.0441	0.0632
40 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0014	0.0012	0.0135	0.0389	0.0551
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0011	0.0009	0.0096	0.0275	0.0391
50 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0013	0.0011	0.0079	0.0220	0.0323
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0008	0.0007	0.0027	0.0077	0.0120
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0008	0.0007	0.1238	0.3459	0.4713
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0002	0.0001	-	-	0.0003
70 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0058	0.0046	-	-	0.0103
total	(0.0001)	(0.0000)	(0.0000)	0.0008	0.0195	0.0162	0.2411	0.6836	0.9610

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	
45 mph									-	
50 mph									-	
55 mph									-	
60 mph									-	
65 mph									-	
70 mph									-	
total	-	-	-	-	-	-	-	-	-	

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
15 mph									-	-
25 mph									-	-
35 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0014	0.0008	0.0033	0.0040	0.0095
10 mph	0.0005	0.0000	0.0002	0.0023	0.0031	0.0015	0.0068	0.0171	0.0316
15 mph	0.0057	0.0005	0.0027	0.0020	0.0027	0.0013	0.0054	0.0121	0.0325
20 mph	0.0001	0.0000	0.0001	0.0013	0.0017	0.0008	0.0103	0.0223	0.0367
25 mph	0.0022	0.0002	0.0010	0.0048	0.0077	0.0037	0.0376	0.0805	0.1376
30 mph	0.0013	0.0001	0.0006	0.0051	0.0065	0.0032	0.0289	0.0616	0.1073
35 mph	0.0135	0.0012	0.0064	0.0075	0.0075	0.0037	0.0203	0.0442	0.1042
40 mph	(0.0033)	(0.0003)	(0.0016)	0.0031	0.0053	0.0026	0.0184	0.0390	0.0631
45 mph	(0.0027)	(0.0002)	(0.0013)	0.0025	0.0043	0.0021	0.0132	0.0275	0.0455
50 mph	(0.0032)	(0.0003)	(0.0015)	0.0028	0.0048	0.0023	0.0110	0.0221	0.0381
55 mph	(0.0017)	(0.0001)	(0.0008)	0.0019	0.0031	0.0015	0.0039	0.0077	0.0154
60 mph	(0.0002)	(0.0000)	(0.0001)	0.0022	0.0031	0.0015	0.1744	0.3464	0.5273
65 mph	(0.0003)	(0.0000)	(0.0002)	0.0004	0.0007	0.0003	-	-	0.0010
70 mph	(0.0216)	(0.0019)	(0.0102)	0.0112	0.0219	0.0104	-	-	0.0097
STREX	0.0003	0.0000	0.0001	0.0006	0.0000	0.0000	0.0000	0.0000	0.0011
total	(0.0095)	(0.0008)	(0.0045)	0.0477	0.0737	0.0357	0.3338	0.6845	**1.1605**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0006	0.0007	0.0007	0.0009	0.0002	0.0002	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0003	0.0000	0.0001	0.0006	0.0000	0.0000	0.0000	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0003	0.0000	0.0001	0.0006	0.0000	0.0000	0.0000	0.0000

World Logistics Center
Mobile Emissions - 2021 (Net) - Mitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0413	0.0374	0.0342	0.0535
10 mph	0.0064	0.0100	0.0067	0.0071	0.0053	0.0048	0.0045	0.0071
15 mph	0.0042	0.0067	0.0045	0.0047	0.0036	0.0032	0.0030	0.0048
20 mph	0.0030	0.0048	0.0032	0.0034	0.0025	0.0023	0.0021	0.0035
25 mph	0.0022	0.0036	0.0023	0.0025	0.0019	0.0017	0.0015	0.0027
30 mph	0.0017	0.0028	0.0018	0.0019	0.0015	0.0013	0.0012	0.0022
35 mph	0.0014	0.0023	0.0015	0.0016	0.0012	0.0011	0.0010	0.0019
40 mph	0.0012	0.0020	0.0013	0.0014	0.0011	0.0009	0.0009	0.0017
45 mph	0.0011	0.0018	0.0012	0.0012	0.0010	0.0008	0.0008	0.0016
50 mph	0.0011	0.0018	0.0011	0.0012	0.0010	0.0008	0.0008	0.0015
55 mph	0.0011	0.0018	0.0012	0.0012	0.0010	0.0008	0.0008	0.0016
60 mph	0.0012	0.0019	0.0012	0.0013	0.0010	0.0009	0.0008	0.0017
65 mph	0.0013	0.0021	0.0014	0.0013	0.0012	0.0010		
70 mph	0.0014	0.0024	0.0015	0.0015	0.0013	0.0011		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.8043	0.8177	0.0073	0.0101
10 mph	0.0311	0.4047	0.0184	0.0141	0.0449	0.0467	0.0045	0.0162
15 mph	0.0237	0.2936	0.0144	0.0112	0.0335	0.0355	0.0036	0.0120
20 mph	0.0185	0.2241	0.0115	0.0090	0.0263	0.0282	0.0031	0.0076
25 mph	0.0146	0.1807	0.0094	0.0074	0.0217	0.0232	0.0029	0.0080
30 mph	0.0120	0.1526	0.0080	0.0064	0.0187	0.0199	0.0031	0.0084
35 mph	0.0102	0.1356	0.0071	0.0056	0.0168	0.0178	0.0037	0.0098
40 mph	0.0093	0.1244	0.0066	0.0052	0.0155	0.0163	0.0046	0.0121
45 mph	0.0088	0.1189	0.0062	0.0049	0.0147	0.0154	0.0058	0.0153
50 mph	0.0087	0.1191	0.0061	0.0047	0.0146	0.0152	0.0074	0.0191
55 mph	0.0087	0.1255	0.0060	0.0047	0.0148	0.0152	0.0094	0.0249
60 mph	0.0095	0.1363	0.0062	0.0048	0.0154	0.0158	0.0117	0.0300
65 mph	0.0100	0.1601	0.0067	0.0051	0.0177	0.0178		
70 mph	0.0090	0.1982	0.0091	0.0056	0.0239	0.0214		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0878
10 mph								0.0111
15 mph								0.0089
20 mph								0.0073
25 mph								0.0066
30 mph								0.0061
35 mph								0.0059
40 mph								0.0058
45 mph								0.0060
50 mph								0.0063
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0017	0.0002	0.0007	0.0016	0.0005	0.0002	0.0003	0.0000	0.0051
15 mph	0.0004	0.0001	0.0002	0.0004	0.0001	0.0000	0.0001	0.0000	0.0013
20 mph	0.0006	0.0001	0.0002	0.0006	0.0002	0.0001	0.0001	0.0000	0.0019
25 mph	0.0023	0.0003	0.0009	0.0022	0.0008	0.0002	0.0003	0.0000	0.0070
30 mph	0.0020	0.0002	0.0008	0.0019	0.0007	0.0002	0.0002	0.0000	0.0060
35 mph	0.0013	0.0002	0.0005	0.0013	0.0004	0.0001	0.0001	0.0000	0.0039
40 mph	0.0004	0.0000	0.0002	0.0004	0.0001	0.0000	0.0001	0.0000	0.0012
45 mph	0.0003	0.0000	0.0001	0.0003	0.0001	0.0000	0.0001	0.0000	0.0009
50 mph	0.0003	0.0000	0.0001	0.0003	0.0001	0.0000	0.0001	0.0000	0.0009
55 mph	0.0002	0.0000	0.0001	0.0002	0.0001	0.0000	0.0000	0.0000	0.0007
60 mph	0.0005	0.0001	0.0002	0.0005	0.0002	0.0000	0.0000	0.0000	0.0015
65 mph	0.0001	0.0000	0.0000	0.0001	0.0000	0.0000	-	-	0.0002
70 mph	-	-	-	-	-	-	-	-	-
total	0.0101	0.0012	0.0040	0.0097	0.0033	0.0009	0.0013	0.0000	0.0306

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0011)	(0.0001)	(0.0004)	0.0004	0.0002	0.0001	-	-	(0.0010)
15 mph	(0.0007)	(0.0001)	(0.0003)	0.0003	0.0002	0.0000	-	-	(0.0006)
20 mph	(0.0005)	(0.0001)	(0.0002)	0.0002	0.0001	0.0000	0.0002	0.0000	(0.0003)
25 mph	(0.0007)	(0.0001)	(0.0003)	0.0003	0.0002	0.0000	0.0002	0.0000	(0.0004)
30 mph	(0.0012)	(0.0001)	(0.0005)	0.0004	0.0003	0.0001	0.0003	0.0000	(0.0007)
35 mph	(0.0021)	(0.0003)	(0.0008)	0.0008	0.0005	0.0001	0.0003	0.0000	(0.0016)
40 mph	(0.0021)	(0.0003)	(0.0008)	0.0008	0.0005	0.0001	0.0002	0.0000	(0.0016)
45 mph	(0.0015)	(0.0002)	(0.0006)	0.0006	0.0003	0.0001	0.0001	0.0000	(0.0012)
50 mph	(0.0016)	(0.0002)	(0.0007)	0.0006	0.0004	0.0001	0.0001	0.0000	(0.0014)
55 mph	(0.0009)	(0.0001)	(0.0004)	0.0003	0.0002	0.0001	0.0000	0.0000	(0.0008)
60 mph	(0.0006)	(0.0001)	(0.0002)	0.0002	0.0001	0.0000	0.0026	0.0000	0.0021
65 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0001	0.0000	-	-	(0.0002)
70 mph	(0.0110)	(0.0014)	(0.0044)	0.0038	0.0025	0.0007	-	-	(0.0097)
total	(0.0243)	(0.0030)	(0.0096)	0.0087	0.0054	0.0015	0.0040	0.0001	(0.0173)

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0007	0.0002	0.0003	0.0000	0.0012
15 mph	0.0059	0.0007	0.0023	0.0007	0.0003	0.0001	0.0001	0.0000	0.0102
25 mph	-	-	-	-	0.0003	0.0001	0.0002	0.0000	0.0006
35 mph	0.0084	0.0010	0.0033	0.0010	-	-	-	-	0.0138
total	0.0143	0.0017	0.0057	0.0017	0.0013	0.0004	0.0006	0.0000	0.0257

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0007	0.0002	0.0003	0.0000	0.0012
10 mph	0.0006	0.0001	0.0002	0.0020	0.0008	0.0002	0.0003	0.0000	0.0041
15 mph	0.0056	0.0007	0.0022	0.0014	0.0006	0.0002	0.0002	0.0000	0.0109
20 mph	0.0001	0.0000	0.0000	0.0008	0.0003	0.0001	0.0003	0.0000	0.0016
25 mph	0.0016	0.0002	0.0006	0.0025	0.0012	0.0003	0.0008	0.0000	0.0072
30 mph	0.0008	0.0001	0.0003	0.0023	0.0009	0.0003	0.0005	0.0000	0.0053
35 mph	0.0076	0.0009	0.0030	0.0030	0.0009	0.0003	0.0003	0.0000	0.0161
40 mph	(0.0017)	(0.0002)	(0.0007)	0.0011	0.0006	0.0002	0.0003	0.0000	(0.0004)
45 mph	(0.0012)	(0.0002)	(0.0005)	0.0008	0.0004	0.0001	0.0002	0.0000	(0.0003)
50 mph	(0.0014)	(0.0002)	(0.0005)	0.0009	0.0005	0.0001	0.0002	0.0000	(0.0004)
55 mph	(0.0007)	(0.0001)	(0.0003)	0.0006	0.0003	0.0001	0.0001	0.0000	(0.0001)
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0007	0.0003	0.0001	0.0026	0.0000	0.0036
65 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0001	0.0000	-	-	(0.0000)
70 mph	(0.0110)	(0.0014)	(0.0044)	0.0038	0.0025	0.0007	-	-	(0.0097)
total	0.0001	(0.0000)	0.0001	0.0201	0.0100	0.0028	0.0059	0.0001	0.0390

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0001	0.0029	0.0022	0.0012	0.0084	0.0149
15 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0007	0.0003	0.0021	0.0040
20 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0011	0.0006	0.0026	0.0057
25 mph	0.0001	0.0000	0.0000	0.0001	0.0056	0.0044	0.0029	0.0151	0.0283
30 mph	0.0001	0.0000	0.0000	0.0001	0.0053	0.0042	0.0028	0.0145	0.0270
35 mph	0.0001	0.0000	0.0000	0.0001	0.0039	0.0030	0.0015	0.0076	0.0162
40 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0009	0.0021	0.0104	0.0147
45 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0007	0.0021	0.0106	0.0144
50 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0007	0.0043	0.0214	0.0274
55 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	0.0013	0.0064	0.0091
60 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0012	0.0016	0.0078	0.0122
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0006	0.0000	0.0001	0.0006	0.0255	0.0200	0.0206	0.1068	0.1742

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0012	0.0009	-	-	0.0021
15 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0009	0.0007	-	-	0.0016
20 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0007	0.0006	0.0013	0.0061	0.0087
25 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0012	0.0009	0.0022	0.0112	0.0155
30 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0020	0.0016	0.0039	0.0204	0.0279
35 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0041	0.0032	0.0046	0.0237	0.0355
40 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0042	0.0033	0.0053	0.0269	0.0395
45 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0032	0.0025	0.0049	0.0247	0.0352
50 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0036	0.0027	0.0031	0.0154	0.0247
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0020	0.0015	0.0020	0.0101	0.0155
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0012	0.0010	0.1719	0.8494	1.0235
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0005	0.0004	-	-	0.0008
70 mph	(0.0006)	(0.0001)	(0.0002)	0.0003	0.0297	0.0198	-	-	0.0490
total	(0.0014)	(0.0001)	(0.0003)	0.0006	0.0545	0.0390	0.1992	0.9879	1.2794

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0086	0.0065	0.0003	0.0007	0.0161
15 mph	0.0003	0.0000	0.0000	0.0000	0.0018	0.0014	0.0006	0.0041	0.0083
25 mph	-	-	-	-	0.0022	0.0018	0.0023	0.0118	0.0180
35 mph	0.0005	0.0000	0.0001	0.0001	-	-	-	-	0.0007
total	0.0008	0.0001	0.0001	0.0001	0.0127	0.0097	0.0032	0.0166	0.0432

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0086	0.0065	0.0003	0.0007	0.0161
10 mph	0.0000	0.0000	0.0000	0.0001	0.0041	0.0032	0.0012	0.0084	0.0170
15 mph	0.0003	0.0000	0.0000	0.0001	0.0036	0.0028	0.0010	0.0061	0.0139
20 mph	0.0000	0.0000	0.0000	0.0000	0.0021	0.0016	0.0019	0.0087	0.0143
25 mph	0.0001	0.0000	0.0000	0.0001	0.0090	0.0071	0.0073	0.0381	0.0618
30 mph	0.0000	0.0000	0.0000	0.0001	0.0073	0.0058	0.0067	0.0349	0.0549
35 mph	0.0005	0.0000	0.0001	0.0002	0.0080	0.0063	0.0061	0.0313	0.0524
40 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0054	0.0042	0.0073	0.0373	0.0542
45 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0041	0.0032	0.0070	0.0353	0.0495
50 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0045	0.0035	0.0074	0.0368	0.0521
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0028	0.0021	0.0032	0.0165	0.0246
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0028	0.0022	0.1735	0.8572	1.0357
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0007	0.0005	-	-	0.0012
70 mph	(0.0006)	(0.0001)	(0.0002)	0.0003	0.0297	0.0198	-	-	0.0490
total	(0.0000)	(0.0000)	(0.0001)	0.0013	0.0927	0.0687	0.2230	1.1113	1.4967

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0003	0.0003
15 mph								0.0001	0.0001
20 mph								0.0001	0.0001
25 mph								0.0006	0.0006
30 mph								0.0005	0.0005
35 mph								0.0002	0.0002
40 mph								0.0002	0.0002
45 mph								0.0002	0.0002
50 mph								0.0003	0.0003
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0026	0.0026

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0003	0.0003
25 mph								0.0004	0.0004
30 mph								0.0007	0.0007
35 mph								0.0007	0.0007
40 mph								0.0006	0.0006
45 mph								0.0005	0.0005
50 mph								0.0002	0.0002
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0021	0.0021

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
15 mph								0.0001	0.0001
25 mph								0.0005	0.0005
35 mph								-	-
total	-	-	-	-	-	-	-	0.0009	0.0009

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
10 mph								0.0003	0.0003
15 mph								0.0002	0.0002
20 mph								0.0004	0.0004
25 mph								0.0015	0.0015
30 mph								0.0012	0.0012
35 mph								0.0009	0.0009
40 mph								0.0009	0.0009
45 mph								0.0007	0.0007
50 mph								0.0006	0.0006
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0070	0.0070

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0093	0.0067	0.0005	0.0010	0.0176
10 mph	0.0006	0.0001	0.0002	0.0021	0.0049	0.0034	0.0015	0.0087	0.0214
15 mph	0.0059	0.0007	0.0023	0.0015	0.0042	0.0030	0.0011	0.0063	0.0250
20 mph	0.0001	0.0000	0.0000	0.0008	0.0024	0.0017	0.0021	0.0091	0.0164
25 mph	0.0017	0.0002	0.0006	0.0026	0.0102	0.0075	0.0081	0.0397	0.0706
30 mph	0.0009	0.0001	0.0003	0.0025	0.0082	0.0060	0.0073	0.0361	0.0614
35 mph	0.0081	0.0010	0.0031	0.0032	0.0089	0.0065	0.0064	0.0322	0.0694
40 mph	(0.0018)	(0.0002)	(0.0007)	0.0012	0.0060	0.0044	0.0076	0.0382	0.0546
45 mph	(0.0013)	(0.0002)	(0.0005)	0.0009	0.0046	0.0033	0.0072	0.0359	0.0499
50 mph	(0.0015)	(0.0002)	(0.0006)	0.0009	0.0050	0.0036	0.0076	0.0374	0.0523
55 mph	(0.0007)	(0.0001)	(0.0003)	0.0006	0.0030	0.0022	0.0033	0.0165	0.0245
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0007	0.0031	0.0022	0.1761	0.8572	1.0393
65 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0008	0.0005	-	-	0.0012
70 mph	(0.0116)	(0.0015)	(0.0045)	0.0041	0.0322	0.0204	-	-	0.0392
STREX	0.0009	0.0001	0.0003	0.0014	0.0001	0.0000	0.0001	0.0000	0.0029
total	0.0010	0.0000	0.0003	0.0227	0.1028	0.0715	0.2289	1.1183	**1.5456**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0020	0.0029	0.0020	0.0021	0.0005	0.0004	0.0005	0.0019
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0009	0.0001	0.0003	0.0014	0.0001	0.0000	0.0001	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0009	0.0001	0.0003	0.0014	0.0001	0.0000	0.0001	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2350	0.0177	0.0878	0.2011	0.1708	0.0619	0.1326	0.0006
Diesel	0.0020	0.0000	0.0005	0.0039	0.1137	0.0965	0.6395	0.8294
Electric/NG	0.0039	0.0001	0.0007	0.0010	-	-	-	0.0408
Total	0.2409	0.0178	0.0890	0.2059	0.2845	0.1584	0.7721	0.8707

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	(0.7586)	(0.0570)	(0.2833)	0.2472	0.3590	0.1302	0.6211	0.0028
Diesel	(0.0065)	(0.0000)	(0.0016)	0.0048	0.2390	0.2027	2.9962	3.8856
Electric/NG	(0.0127)	(0.0003)	(0.0022)	0.0012	-	-	-	0.1910
Total	(0.7777)	(0.0574)	(0.2872)	0.2532	0.5979	0.3329	3.6173	4.0794

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3306	0.0249	0.1235	0.0343	0.0207	0.0075	0.0280	0.0001
Diesel	0.0028	0.0000	0.0007	0.0007	0.0138	0.0117	0.1352	0.1753
Electric/NG	0.0055	0.0001	0.0010	0.0002	-	-	-	0.0086
Total	0.3390	0.0250	0.1252	0.0351	0.0346	0.0192	0.1632	0.1840

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	(0.1930)	(0.0145)	(0.0721)	0.4826	0.5505	0.1997	0.7817	0.0035	1.7384
Diesel	(0.0017)	(0.0000)	(0.0004)	0.0094	0.3665	0.3109	3.7709	4.8902	9.3458
Electric/NG	(0.0032)	(0.0001)	(0.0006)	0.0023	-	-	-	0.2404	0.2388
Total	(0.1978)	(0.0146)	(0.0730)	0.4943	0.9170	0.5105	4.5526	5.1341	**11.3231**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	6.5029
Internal	10.6928
Total	**17.1958**

World Logistics Center
Mobile Emissions - 2021 (Net) - Mitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0380	0.0343	0.0315	0.0496
10 mph	0.0058	0.0092	0.0062	0.0065	0.0049	0.0044	0.0041	0.0066
15 mph	0.0039	0.0062	0.0041	0.0044	0.0033	0.0030	0.0027	0.0045
20 mph	0.0027	0.0044	0.0029	0.0031	0.0023	0.0021	0.0019	0.0032
25 mph	0.0020	0.0033	0.0022	0.0023	0.0017	0.0015	0.0014	0.0025
30 mph	0.0016	0.0026	0.0017	0.0018	0.0014	0.0012	0.0011	0.0020
35 mph	0.0013	0.0021	0.0014	0.0014	0.0011	0.0010	0.0009	0.0018
40 mph	0.0011	0.0018	0.0012	0.0013	0.0010	0.0009	0.0008	0.0016
45 mph	0.0010	0.0017	0.0011	0.0011	0.0009	0.0008	0.0007	0.0015
50 mph	0.0010	0.0016	0.0011	0.0011	0.0009	0.0008	0.0007	0.0014
55 mph	0.0010	0.0016	0.0011	0.0011	0.0009	0.0008	0.0007	0.0015
60 mph	0.0011	0.0017	0.0011	0.0012	0.0010	0.0008	0.0008	0.0016
65 mph	0.0012	0.0019	0.0013	0.0013	0.0011	0.0010		
70 mph	0.0013	0.0022	0.0014	0.0014	0.0012	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7695	0.7823	0.0070	0.0096
10 mph	0.0297	0.3872	0.0176	0.0135	0.0429	0.0446	0.0043	0.0155
15 mph	0.0227	0.2809	0.0138	0.0107	0.0320	0.0340	0.0035	0.0115
20 mph	0.0177	0.2144	0.0110	0.0086	0.0252	0.0270	0.0030	0.0072
25 mph	0.0139	0.1729	0.0090	0.0071	0.0208	0.0222	0.0028	0.0076
30 mph	0.0115	0.1460	0.0077	0.0061	0.0179	0.0191	0.0030	0.0080
35 mph	0.0098	0.1297	0.0068	0.0054	0.0161	0.0170	0.0035	0.0094
40 mph	0.0089	0.1191	0.0063	0.0049	0.0148	0.0156	0.0044	0.0116
45 mph	0.0084	0.1137	0.0059	0.0046	0.0141	0.0148	0.0056	0.0146
50 mph	0.0083	0.1139	0.0058	0.0045	0.0140	0.0145	0.0071	0.0182
55 mph	0.0084	0.1201	0.0058	0.0044	0.0141	0.0145	0.0089	0.0238
60 mph	0.0090	0.1304	0.0060	0.0046	0.0147	0.0152	0.0112	0.0287
65 mph	0.0095	0.1531	0.0064	0.0049	0.0170	0.0170		
70 mph	0.0087	0.1896	0.0087	0.0054	0.0229	0.0205		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0840
10 mph								0.0106
15 mph								0.0085
20 mph								0.0070
25 mph								0.0063
30 mph								0.0059
35 mph								0.0056
40 mph								0.0056
45 mph								0.0057
50 mph								0.0060
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0015	0.0002	0.0006	0.0015	0.0005	0.0001	0.0002	0.0000	0.0047
15 mph	0.0004	0.0000	0.0002	0.0004	0.0001	0.0000	0.0001	0.0000	0.0012
20 mph	0.0006	0.0001	0.0002	0.0006	0.0002	0.0001	0.0001	0.0000	0.0017
25 mph	0.0021	0.0003	0.0008	0.0020	0.0007	0.0002	0.0003	0.0000	0.0065
30 mph	0.0018	0.0002	0.0007	0.0017	0.0006	0.0002	0.0002	0.0000	0.0055
35 mph	0.0012	0.0002	0.0005	0.0012	0.0004	0.0001	0.0001	0.0000	0.0036
40 mph	0.0004	0.0000	0.0001	0.0003	0.0001	0.0000	0.0001	0.0000	0.0011
45 mph	0.0003	0.0000	0.0001	0.0003	0.0001	0.0000	0.0001	0.0000	0.0008
50 mph	0.0003	0.0000	0.0001	0.0002	0.0001	0.0000	0.0001	0.0000	0.0008
55 mph	0.0002	0.0000	0.0001	0.0002	0.0001	0.0000	0.0000	0.0000	0.0006
60 mph	0.0005	0.0001	0.0002	0.0004	0.0002	0.0000	0.0000	0.0000	0.0013
65 mph	0.0001	0.0000	0.0000	0.0001	0.0000	0.0000	-	-	0.0002
70 mph	-	-	-	-	-	-	-	-	-
total	0.0093	0.0011	0.0037	0.0089	0.0031	0.0009	0.0012	0.0000	0.0282

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0010)	(0.0001)	(0.0004)	0.0004	0.0002	0.0001	-	-	(0.0009)
15 mph	(0.0007)	(0.0001)	(0.0003)	0.0002	0.0001	0.0000	-	-	(0.0006)
20 mph	(0.0005)	(0.0001)	(0.0002)	0.0002	0.0001	0.0000	0.0002	0.0000	(0.0002)
25 mph	(0.0007)	(0.0001)	(0.0003)	0.0003	0.0001	0.0000	0.0002	0.0000	(0.0004)
30 mph	(0.0011)	(0.0001)	(0.0004)	0.0004	0.0002	0.0001	0.0003	0.0000	(0.0006)
35 mph	(0.0020)	(0.0002)	(0.0008)	0.0007	0.0004	0.0001	0.0002	0.0000	(0.0015)
40 mph	(0.0019)	(0.0002)	(0.0008)	0.0007	0.0004	0.0001	0.0002	0.0000	(0.0015)
45 mph	(0.0014)	(0.0002)	(0.0006)	0.0005	0.0003	0.0001	0.0001	0.0000	(0.0011)
50 mph	(0.0015)	(0.0002)	(0.0006)	0.0006	0.0003	0.0001	0.0001	0.0000	(0.0013)
55 mph	(0.0009)	(0.0001)	(0.0003)	0.0003	0.0002	0.0001	0.0000	0.0000	(0.0007)
60 mph	(0.0005)	(0.0001)	(0.0002)	0.0002	0.0001	0.0000	0.0024	0.0000	0.0019
65 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0000	0.0000	-	-	(0.0002)
70 mph	(0.0101)	(0.0013)	(0.0040)	0.0035	0.0023	0.0006	-	-	(0.0089)
total	(0.0224)	(0.0028)	(0.0089)	0.0080	0.0050	0.0013	0.0037	0.0001	(0.0159)

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0006	0.0002	0.0002	0.0000	0.0011
15 mph	0.0054	0.0006	0.0022	0.0007	0.0003	0.0001	0.0001	0.0000	0.0094
25 mph	-	-	-	-	0.0003	0.0001	0.0002	0.0000	0.0006
35 mph	0.0077	0.0010	0.0031	0.0009	-	-	-	-	0.0127
total	0.0132	0.0016	0.0052	0.0016	0.0012	0.0003	0.0006	0.0000	0.0237

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0006	0.0002	0.0002	0.0000	0.0011
10 mph	0.0005	0.0001	0.0002	0.0018	0.0007	0.0002	0.0002	0.0000	0.0038
15 mph	0.0052	0.0006	0.0021	0.0013	0.0006	0.0002	0.0002	0.0000	0.0100
20 mph	0.0001	0.0000	0.0000	0.0007	0.0003	0.0001	0.0002	0.0000	0.0015
25 mph	0.0014	0.0002	0.0006	0.0023	0.0011	0.0003	0.0007	0.0000	0.0067
30 mph	0.0008	0.0001	0.0003	0.0021	0.0008	0.0002	0.0005	0.0000	0.0048
35 mph	0.0070	0.0009	0.0028	0.0028	0.0008	0.0002	0.0003	0.0000	0.0148
40 mph	(0.0015)	(0.0002)	(0.0006)	0.0010	0.0005	0.0001	0.0003	0.0000	(0.0004)
45 mph	(0.0011)	(0.0001)	(0.0004)	0.0008	0.0004	0.0001	0.0002	0.0000	(0.0003)
50 mph	(0.0013)	(0.0002)	(0.0005)	0.0008	0.0004	0.0001	0.0001	0.0000	(0.0004)
55 mph	(0.0006)	(0.0001)	(0.0003)	0.0005	0.0003	0.0001	0.0001	0.0000	(0.0001)
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0006	0.0003	0.0001	0.0024	0.0000	0.0033
65 mph	(0.0001)	(0.0000)	(0.0001)	0.0001	0.0001	0.0000	-	-	0.0000
70 mph	(0.0101)	(0.0013)	(0.0040)	0.0035	0.0023	0.0006	-	-	(0.0089)
total	0.0001	(0.0000)	0.0001	0.0185	0.0092	0.0025	0.0054	0.0001	0.0359

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0001	0.0028	0.0021	0.0012	0.0080	0.0142
15 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	0.0003	0.0020	0.0038
20 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0010	0.0005	0.0025	0.0054
25 mph	0.0001	0.0000	0.0000	0.0001	0.0053	0.0042	0.0028	0.0144	0.0271
30 mph	0.0001	0.0000	0.0000	0.0001	0.0051	0.0040	0.0027	0.0139	0.0259
35 mph	0.0001	0.0000	0.0000	0.0001	0.0037	0.0029	0.0014	0.0073	0.0155
40 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0009	0.0020	0.0100	0.0140
45 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0007	0.0020	0.0101	0.0137
50 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0007	0.0041	0.0205	0.0262
55 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0006	0.0012	0.0062	0.0087
60 mph	0.0000	0.0000	0.0000	0.0000	0.0015	0.0012	0.0015	0.0074	0.0117
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0006	0.0000	0.0001	0.0006	0.0244	0.0191	0.0197	0.1022	0.1666

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0012	0.0009	-	-	0.0020
15 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0009	0.0007	-	-	0.0015
20 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0007	0.0005	0.0012	0.0059	0.0083
25 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0011	0.0009	0.0021	0.0108	0.0148
30 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0019	0.0015	0.0038	0.0195	0.0267
35 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0039	0.0031	0.0044	0.0227	0.0340
40 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0040	0.0031	0.0051	0.0257	0.0378
45 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0030	0.0024	0.0047	0.0236	0.0337
50 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0034	0.0026	0.0030	0.0147	0.0237
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0019	0.0015	0.0019	0.0096	0.0148
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0012	0.0009	0.1645	0.8127	0.9792
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0005	0.0003	-	-	0.0008
70 mph	(0.0006)	(0.0001)	(0.0001)	0.0003	0.0285	0.0189	-	-	0.0468
total	(0.0014)	(0.0001)	(0.0003)	0.0006	0.0521	0.0373	0.1906	0.9452	1.2240

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0083	0.0062	0.0003	0.0007	0.0154
15 mph	0.0003	0.0000	0.0000	0.0000	0.0017	0.0014	0.0006	0.0039	0.0079
25 mph	-	-	-	-	0.0021	0.0017	0.0022	0.0113	0.0173
35 mph	0.0005	0.0000	0.0001	0.0001	-	-	-	-	0.0007
total	0.0008	0.0001	0.0001	0.0001	0.0121	0.0093	0.0030	0.0158	0.0413

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0083	0.0062	0.0003	0.0007	0.0154
10 mph	0.0000	0.0000	0.0000	0.0001	0.0039	0.0030	0.0012	0.0080	0.0162
15 mph	0.0003	0.0000	0.0000	0.0001	0.0034	0.0027	0.0009	0.0059	0.0133
20 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0016	0.0018	0.0084	0.0137
25 mph	0.0001	0.0000	0.0000	0.0001	0.0086	0.0068	0.0070	0.0365	0.0591
30 mph	0.0000	0.0000	0.0000	0.0001	0.0070	0.0055	0.0065	0.0334	0.0525
35 mph	0.0005	0.0000	0.0001	0.0002	0.0076	0.0060	0.0058	0.0299	0.0501
40 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0051	0.0040	0.0070	0.0357	0.0518
45 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0039	0.0031	0.0067	0.0337	0.0474
50 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0043	0.0033	0.0071	0.0352	0.0499
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0026	0.0020	0.0031	0.0158	0.0235
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0027	0.0021	0.1660	0.8201	0.9909
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0007	0.0005	-	-	0.0012
70 mph	(0.0006)	(0.0001)	(0.0001)	0.0003	0.0285	0.0189	-	-	0.0468
total	(0.0000)	(0.0000)	(0.0001)	0.0012	0.0886	0.0657	0.2133	1.0632	1.4319

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0003	0.0003
15 mph								0.0001	0.0001
20 mph								0.0001	0.0001
25 mph								0.0006	0.0006
30 mph								0.0005	0.0005
35 mph								0.0002	0.0002
40 mph								0.0002	0.0002
45 mph								0.0002	0.0002
50 mph								0.0003	0.0003
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0025	0.0025

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0003	0.0003
25 mph								0.0004	0.0004
30 mph								0.0007	0.0007
35 mph								0.0007	0.0007
40 mph								0.0006	0.0006
45 mph								0.0004	0.0004
50 mph								0.0002	0.0002
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0020	0.0020

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
15 mph								0.0001	0.0001
25 mph								0.0005	0.0005
35 mph								-	-
total	-	-	-	-	-	-	-	0.0009	0.0009

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
10 mph								0.0003	0.0003
15 mph								0.0002	0.0002
20 mph								0.0004	0.0004
25 mph								0.0015	0.0015
30 mph								0.0012	0.0012
35 mph								0.0009	0.0009
40 mph								0.0008	0.0008
45 mph								0.0006	0.0006
50 mph								0.0006	0.0006
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0067	0.0067

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0089	0.0064	0.0005	0.0010	0.0168
10 mph	0.0006	0.0001	0.0002	0.0019	0.0046	0.0032	0.0014	0.0083	0.0203
15 mph	0.0054	0.0006	0.0021	0.0014	0.0040	0.0028	0.0011	0.0061	0.0235
20 mph	0.0001	0.0000	0.0000	0.0008	0.0023	0.0017	0.0020	0.0087	0.0156
25 mph	0.0015	0.0002	0.0006	0.0024	0.0097	0.0071	0.0077	0.0379	0.0673
30 mph	0.0008	0.0001	0.0003	0.0023	0.0078	0.0058	0.0070	0.0345	0.0585
35 mph	0.0074	0.0009	0.0029	0.0030	0.0085	0.0062	0.0062	0.0308	0.0658
40 mph	(0.0017)	(0.0002)	(0.0006)	0.0011	0.0057	0.0042	0.0073	0.0365	0.0523
45 mph	(0.0012)	(0.0001)	(0.0005)	0.0008	0.0043	0.0032	0.0069	0.0344	0.0478
50 mph	(0.0013)	(0.0002)	(0.0005)	0.0009	0.0047	0.0034	0.0073	0.0358	0.0500
55 mph	(0.0007)	(0.0001)	(0.0003)	0.0006	0.0029	0.0021	0.0031	0.0158	0.0234
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0007	0.0030	0.0021	0.1684	0.8201	0.9942
65 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0007	0.0005	-	-	0.0012
70 mph	(0.0107)	(0.0013)	(0.0042)	0.0038	0.0308	0.0195	-	-	0.0379
STREX	0.0008	0.0001	0.0003	0.0013	0.0001	0.0000	0.0001	0.0000	0.0027
total	0.0009	0.0000	0.0003	0.0210	0.0980	0.0683	0.2188	1.0699	**1.4772**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0018	0.0027	0.0018	0.0020	0.0004	0.0003	0.0005	0.0018
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0008	0.0001	0.0003	0.0013	0.0001	0.0000	0.0001	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0008	0.0001	0.0003	0.0013	0.0001	0.0000	0.0001	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0932	0.0070	0.0348	0.0797	0.0703	0.0256	0.0548	0.0002
Diesel	0.0008	0.0000	0.0002	0.0016	0.0460	0.0393	0.2645	0.3009
Electric/NG	0.0016	0.0000	0.0003	0.0004	-	-	-	0.0148
Total	0.0956	0.0071	0.0353	0.0817	0.1163	0.0649	0.3193	0.3159

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	(0.3009)	(0.0226)	(0.1124)	0.0981	0.1478	0.0539	0.2568	0.0011
Diesel	(0.0026)	(0.0000)	(0.0007)	0.0019	0.0966	0.0826	1.2390	1.4097
Electric/NG	(0.0050)	(0.0001)	(0.0009)	0.0005	-	-	-	0.0693
Total	(0.3085)	(0.0228)	(0.1139)	0.1004	0.2444	0.1365	1.4958	1.4800

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1311	0.0099	0.0490	0.0136	0.0085	0.0031	0.0116	0.0000
Diesel	0.0011	0.0000	0.0003	0.0003	0.0056	0.0048	0.0559	0.0636
Electric/NG	0.0022	0.0001	0.0004	0.0001	-	-	-	0.0031
Total	0.1345	0.0099	0.0496	0.0139	0.0141	0.0079	0.0675	0.0668

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	(0.0765)	(0.0058)	(0.0286)	0.1914	0.2266	0.0826	0.3232	0.0013	0.7144
Diesel	(0.0007)	(0.0000)	(0.0002)	0.0037	0.1482	0.1267	1.5593	1.7742	3.6112
Electric/NG	(0.0013)	(0.0000)	(0.0002)	0.0009	-	-	-	0.0872	0.0866
Total	(0.0785)	(0.0058)	(0.0290)	0.1961	0.3748	0.2093	1.8826	1.8627	**4.4122**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	1.5962
Internal	2.6246
Total	**4.2208**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0069	0.0049	0.0004	0.0007	0.0129
10 mph	0.0004	0.0000	0.0001	0.0012	0.0036	0.0025	0.0011	0.0064	0.0153
15 mph	0.0035	0.0004	0.0013	0.0009	0.0031	0.0022	0.0008	0.0047	0.0169
20 mph	0.0001	0.0000	0.0000	0.0005	0.0017	0.0013	0.0016	0.0067	0.0119
25 mph	0.0010	0.0001	0.0004	0.0016	0.0075	0.0055	0.0060	0.0292	0.0512
30 mph	0.0005	0.0001	0.0002	0.0015	0.0060	0.0044	0.0054	0.0266	0.0446
35 mph	0.0048	0.0006	0.0018	0.0019	0.0065	0.0048	0.0047	0.0237	0.0488
40 mph	(0.0011)	(0.0001)	(0.0004)	0.0007	0.0044	0.0032	0.0056	0.0281	0.0404
45 mph	(0.0008)	(0.0001)	(0.0003)	0.0005	0.0033	0.0024	0.0053	0.0265	0.0369
50 mph	(0.0009)	(0.0001)	(0.0003)	0.0006	0.0036	0.0026	0.0056	0.0275	0.0387
55 mph	(0.0004)	(0.0001)	(0.0002)	0.0004	0.0022	0.0016	0.0024	0.0121	0.0181
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0004	0.0023	0.0016	0.1297	0.6315	0.7655
65 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0006	0.0004	-	-	0.0009
70 mph	(0.0068)	(0.0009)	(0.0027)	0.0024	0.0237	0.0150	-	-	0.0308
total	0.0000	(0.0000)	(0.0000)	0.0126	0.0754	0.0526	0.1684	0.8239	1.1328

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2021 (Net) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	325	2.40	0.32	0.0005	0.15	0.0019	0.62
2	L	457	2.40	0.32	0.0005	0.21	0.0019	0.87
3	L	433	2.40	0.32	0.0005	0.20	0.0019	0.83
5	L	701	2.40	0.32	0.0005	0.33	0.0019	1.33
6	L	1,405	2.40	0.32	0.0005	0.66	0.0019	2.68
8	L	1,047	2.40	0.32	0.0005	0.49	0.0019	1.99
11	L	(211)	2.40	0.32	0.0005	(0.10)	0.0019	(0.40)
12	L	(322)	2.40	0.32	0.0005	(0.15)	0.0019	(0.61)
14	L	(172)	2.40	0.32	0.0005	(0.08)	0.0019	(0.33)
18	L	182	2.40	0.32	0.0005	0.09	0.0019	0.35
19	L	867	2.40	0.32	0.0005	0.41	0.0019	1.65
21	L	446	2.40	0.32	0.0005	0.21	0.0019	0.85
24	L	1,002	2.40	0.32	0.0005	0.47	0.0019	1.91
30	L	(984)	2.40	0.32	0.0005	(0.46)	0.0019	(1.88)
29	L	471	2.40	0.32	0.0005	0.22	0.0019	0.90
31	L	(34)	2.40	0.32	0.0005	(0.02)	0.0019	(0.06)
TOTAL						2.62		10.69

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2021 (Net) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	14,394	2.40	0.032	0.0001	0.83	0.0002	3.37
Freeway	F	26,605	2.40	0.015	0.0000	0.77	0.0001	3.13
TOTAL		40,999				1.60		6.50

World Logistics Center
Mobile Emissions - 2021 (Net) - Mitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0082	0.0167	0.0130	0.0159	0.0204	0.0227	0.0427	0.2442
15 mph	0.0072	0.0144	0.0113	0.0139	0.0181	0.0201	0.0374	0.2178
20 mph	0.0065	0.0127	0.0101	0.0124	0.0165	0.0182	0.0337	0.1987
25 mph	0.0059	0.0115	0.0091	0.0112	0.0153	0.0166	0.0302	0.1867
30 mph	0.0055	0.0106	0.0084	0.0104	0.0144	0.0155	0.0276	0.1777
35 mph	0.0051	0.0100	0.0079	0.0098	0.0138	0.0146	0.0256	0.1720
40 mph	0.0049	0.0096	0.0076	0.0094	0.0133	0.0141	0.0247	0.1669
45 mph	0.0048	0.0094	0.0073	0.0091	0.0130	0.0136	0.0235	0.1650
50 mph	0.0047	0.0095	0.0073	0.0091	0.0131	0.0136	0.0238	0.1649
55 mph	0.0048	0.0098	0.0074	0.0093	0.0133	0.0137	0.0235	0.1691
60 mph	0.0050	0.0104	0.0078	0.0098	0.0139	0.0144	0.0252	0.1735
65 mph	0.0052	0.0111	0.0082	0.0103	0.0146	0.0151	0.0267	0.1790
70 mph	0.0053	0.0130	0.0086	0.0108	0.0161	0.0149	0.0302	0.1881

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0687	0.1425	0.0933	0.1163	0.1587	0.1775	0.3101	0.4697
15 mph	0.0565	0.1184	0.0774	0.0985	0.1034	0.1179	0.2445	0.3669
20 mph	0.0463	0.0972	0.0636	0.0818	0.0881	0.1006	0.2090	0.3089
25 mph	0.0388	0.0813	0.0533	0.0693	0.0783	0.0897	0.1825	0.2673
30 mph	0.0336	0.0700	0.0461	0.0600	0.0711	0.0810	0.1604	0.2348
35 mph	0.0304	0.0629	0.0416	0.0546	0.0713	0.0811	0.1433	0.2100
40 mph	0.0284	0.0586	0.0388	0.0511	0.0694	0.0782	0.1313	0.1927
45 mph	0.0275	0.0565	0.0374	0.0491	0.0677	0.0752	0.1244	0.1827
50 mph	0.0276	0.0566	0.0375	0.0494	0.0711	0.0781	0.1225	0.1788
55 mph	0.0288	0.0591	0.0392	0.0521	0.0742	0.0808	0.1258	0.1856
60 mph	0.0313	0.0641	0.0424	0.0564	0.0749	0.0810	0.1342	0.1958
65 mph	0.0351	0.0715	0.0477	0.0635	0.0761	0.0814	0.1476	0.2122
70 mph	0.0381	0.0748	0.0511	0.0692	0.0771	0.0824	0.1485	0.2140

*US EPA Emission Factors for Greenhouse Gas Inventories. (idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								1.0055
15 mph								0.8437
20 mph								0.7353
25 mph								0.6761
30 mph								0.6380
35 mph								0.6079
40 mph								0.5832
45 mph								0.5627
50 mph								0.5453
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0022	0.0003	0.0013	0.0036	0.0021	0.0007	0.0024	0.0001	0.0126
15 mph	0.0008	0.0001	0.0004	0.0012	0.0007	0.0003	0.0007	0.0000	0.0043
20 mph	0.0014	0.0002	0.0008	0.0022	0.0013	0.0005	0.0013	0.0001	0.0077
25 mph	0.0062	0.0009	0.0036	0.0101	0.0062	0.0021	0.0062	0.0003	0.0356
30 mph	0.0063	0.0009	0.0036	0.0103	0.0064	0.0022	0.0051	0.0003	0.0351
35 mph	0.0049	0.0007	0.0028	0.0079	0.0050	0.0017	0.0021	0.0001	0.0252
40 mph	0.0015	0.0002	0.0009	0.0025	0.0016	0.0005	0.0023	0.0001	0.0098
45 mph	0.0012	0.0002	0.0007	0.0020	0.0013	0.0004	0.0017	0.0001	0.0078
50 mph	0.0012	0.0002	0.0007	0.0020	0.0013	0.0004	0.0029	0.0002	0.0090
55 mph	0.0010	0.0002	0.0006	0.0017	0.0011	0.0003	0.0007	0.0000	0.0055
60 mph	0.0021	0.0003	0.0012	0.0035	0.0023	0.0007	0.0007	0.0000	0.0109
65 mph	0.0003	0.0000	0.0002	0.0005	0.0003	0.0001	-	-	0.0013
70 mph	-	-	-	-	-	-	-	-	-
total	0.0290	0.0043	0.0168	0.0476	0.0296	0.0100	0.0261	0.0013	0.1648

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0014)	(0.0002)	(0.0008)	0.0009	0.0009	0.0003	-	-	(0.0004)
15 mph	(0.0012)	(0.0002)	(0.0007)	0.0008	0.0008	0.0003	-	-	(0.0003)
20 mph	(0.0011)	(0.0002)	(0.0006)	0.0007	0.0007	0.0002	0.0029	0.0001	0.0028
25 mph	(0.0020)	(0.0003)	(0.0012)	0.0012	0.0013	0.0004	0.0046	0.0002	0.0044
30 mph	(0.0037)	(0.0005)	(0.0021)	0.0023	0.0024	0.0008	0.0072	0.0004	0.0068
35 mph	(0.0078)	(0.0012)	(0.0045)	0.0049	0.0053	0.0018	0.0067	0.0004	0.0054
40 mph	(0.0083)	(0.0012)	(0.0048)	0.0052	0.0057	0.0019	0.0059	0.0003	0.0046
45 mph	(0.0064)	(0.0010)	(0.0037)	0.0040	0.0044	0.0015	0.0041	0.0002	0.0031
50 mph	(0.0072)	(0.0011)	(0.0042)	0.0045	0.0050	0.0016	0.0021	0.0001	0.0009
55 mph	(0.0040)	(0.0006)	(0.0023)	0.0026	0.0028	0.0009	0.0010	0.0001	0.0004
60 mph	(0.0025)	(0.0004)	(0.0015)	0.0016	0.0018	0.0006	0.0771	0.0041	0.0808
65 mph	(0.0009)	(0.0001)	(0.0005)	0.0006	0.0006	0.0002	-	-	(0.0002)
70 mph	(0.0417)	(0.0076)	(0.0249)	0.0273	0.0315	0.0092	-	-	(0.0062)
total	(0.0884)	(0.0146)	(0.0519)	0.0565	0.0632	0.0197	0.1117	0.0059	0.1022

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0002	0.0001	0.0001	0.0000	0.0004
15 mph	0.0101	0.0015	0.0059	0.0021	0.0015	0.0005	0.0014	0.0001	0.0231
25 mph	-	-	-	-	0.0025	0.0008	0.0048	0.0002	0.0084
35 mph	0.0308	0.0045	0.0177	0.0060	-	-	-	-	0.0590
total	0.0409	0.0060	0.0236	0.0081	0.0042	0.0015	0.0063	0.0003	0.0909

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0002	0.0001	0.0001	0.0000	0.0004
10 mph	0.0008	0.0001	0.0005	0.0045	0.0029	0.0010	0.0024	0.0001	0.0122
15 mph	0.0096	0.0014	0.0056	0.0042	0.0030	0.0011	0.0021	0.0001	0.0271
20 mph	0.0003	0.0000	0.0002	0.0029	0.0020	0.0007	0.0042	0.0002	0.0105
25 mph	0.0042	0.0006	0.0024	0.0113	0.0099	0.0034	0.0156	0.0008	0.0483
30 mph	0.0026	0.0004	0.0015	0.0126	0.0089	0.0030	0.0123	0.0006	0.0419
35 mph	0.0278	0.0041	0.0160	0.0187	0.0103	0.0034	0.0088	0.0005	0.0897
40 mph	(0.0068)	(0.0010)	(0.0039)	0.0077	0.0073	0.0024	0.0082	0.0004	0.0144
45 mph	(0.0052)	(0.0008)	(0.0030)	0.0061	0.0057	0.0019	0.0058	0.0003	0.0109
50 mph	(0.0059)	(0.0009)	(0.0034)	0.0066	0.0064	0.0021	0.0050	0.0003	0.0099
55 mph	(0.0030)	(0.0005)	(0.0018)	0.0042	0.0039	0.0013	0.0017	0.0001	0.0059
60 mph	(0.0004)	(0.0001)	(0.0003)	0.0051	0.0040	0.0013	0.0778	0.0042	0.0917
65 mph	(0.0006)	(0.0001)	(0.0004)	0.0010	0.0009	0.0003	-	-	0.0012
70 mph	(0.0417)	(0.0076)	(0.0249)	0.0273	0.0315	0.0092	-	-	(0.0062)
total	(0.0184)	(0.0043)	(0.0115)	0.1122	0.0971	0.0312	0.1441	0.0075	0.3579

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0002	0.0000	0.0001	0.0005	0.0102	0.0085	0.0836	0.2429	0.3459
15 mph	0.0001	0.0000	0.0000	0.0002	0.0027	0.0022	0.0220	0.0633	0.0904
20 mph	0.0001	0.0000	0.0000	0.0003	0.0045	0.0038	0.0376	0.1065	0.1528
25 mph	0.0003	0.0000	0.0001	0.0012	0.0201	0.0171	0.1804	0.5070	0.7263
30 mph	0.0003	0.0000	0.0001	0.0012	0.0201	0.0170	0.1441	0.4048	0.5876
35 mph	0.0002	0.0000	0.0001	0.0009	0.0165	0.0139	0.0579	0.1630	0.2525
40 mph	0.0001	0.0000	0.0000	0.0003	0.0054	0.0045	0.0590	0.1661	0.2353
45 mph	0.0001	0.0000	0.0000	0.0002	0.0044	0.0036	0.0447	0.1260	0.1789
50 mph	0.0001	0.0000	0.0000	0.0002	0.0046	0.0037	0.0716	0.2003	0.2805
55 mph	0.0001	0.0000	0.0000	0.0002	0.0038	0.0031	0.0170	0.0480	0.0721
60 mph	0.0001	0.0000	0.0000	0.0004	0.0077	0.0062	0.0181	0.0506	0.0831
65 mph	0.0000	0.0000	0.0000	0.0001	0.0010	0.0008	-	-	0.0018
70 mph	-	-	-	-	-	-	-	-	-
total	0.0016	0.0000	0.0006	0.0055	0.1009	0.0844	0.7359	2.0785	3.0074

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0043	0.0036	-	-	0.0078
15 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0028	0.0024	-	-	0.0052
20 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0024	0.0020	0.0880	0.2495	0.3419
25 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0042	0.0036	0.1345	0.3779	0.5202
30 mph	(0.0002)	(0.0000)	(0.0001)	0.0003	0.0077	0.0065	0.2025	0.5689	0.7856
35 mph	(0.0004)	(0.0000)	(0.0001)	0.0005	0.0173	0.0146	0.1810	0.5090	0.7219
40 mph	(0.0004)	(0.0000)	(0.0001)	0.0005	0.0188	0.0157	0.1520	0.4281	0.6145
45 mph	(0.0003)	(0.0000)	(0.0001)	0.0004	0.0146	0.0121	0.1047	0.2951	0.4265
50 mph	(0.0004)	(0.0000)	(0.0001)	0.0005	0.0173	0.0141	0.0516	0.1444	0.2273
55 mph	(0.0002)	(0.0000)	(0.0001)	0.0003	0.0100	0.0081	0.0265	0.0750	0.1196
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0002	0.0061	0.0049	1.9769	5.5340	7.5219
65 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0021	0.0016	-	-	0.0037
70 mph	(0.0025)	(0.0000)	(0.0009)	0.0034	0.0958	0.0760	-	-	0.1718
total	(0.0050)	(0.0001)	(0.0017)	0.0067	0.2034	0.1650	2.9177	8.1818	11.4678

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0001	0.0000	0.0002	0.0003	0.0006
15 mph	0.0007	0.0000	0.0002	0.0003	0.0056	0.0047	0.0432	0.1244	0.1790
25 mph	-	-	-	-	0.0080	0.0068	0.1411	0.3965	0.5524
35 mph	0.0016	0.0000	0.0005	0.0006	-	-	-	-	0.0028
total	0.0022	0.0000	0.0008	0.0009	0.0136	0.0116	0.1845	0.5211	0.7348

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0001	0.0000	0.0002	0.0003	0.0006
10 mph	0.0001	0.0000	0.0000	0.0006	0.0145	0.0120	0.0836	0.2429	0.3538
15 mph	0.0006	0.0000	0.0002	0.0006	0.0110	0.0093	0.0652	0.1876	0.2746
20 mph	0.0000	0.0000	0.0000	0.0004	0.0069	0.0058	0.1255	0.3560	0.4947
25 mph	0.0002	0.0000	0.0001	0.0014	0.0324	0.0275	0.4560	1.2813	1.7989
30 mph	0.0001	0.0000	0.0000	0.0014	0.0278	0.0235	0.3466	0.9737	1.3732
35 mph	0.0014	0.0000	0.0005	0.0020	0.0338	0.0285	0.2389	0.6719	0.9771
40 mph	(0.0003)	(0.0000)	(0.0001)	0.0008	0.0241	0.0201	0.2110	0.5943	0.8499
45 mph	(0.0003)	(0.0000)	(0.0001)	0.0006	0.0190	0.0156	0.1494	0.4211	0.6055
50 mph	(0.0003)	(0.0000)	(0.0001)	0.0007	0.0219	0.0178	0.1231	0.3447	0.5078
55 mph	(0.0002)	(0.0000)	(0.0001)	0.0005	0.0139	0.0112	0.0434	0.1230	0.1917
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0006	0.0138	0.0110	1.9950	5.5846	7.6050
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0030	0.0024	-	-	0.0055
70 mph	(0.0025)	(0.0000)	(0.0009)	0.0034	0.0958	0.0760	-	-	0.1718
total	(0.0012)	(0.0000)	(0.0004)	0.0131	0.3180	0.2609	3.8380	10.7814	15.2099

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0252	0.0252
15 mph								0.0070	0.0070
20 mph								0.0123	0.0123
25 mph								0.0620	0.0620
30 mph								0.0532	0.0532
35 mph								0.0228	0.0228
40 mph								0.0243	0.0243
45 mph								0.0188	0.0188
50 mph								0.0296	0.0296
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.2552	0.2552

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0287	0.0287
25 mph								0.0462	0.0462
30 mph								0.0748	0.0748
35 mph								0.0713	0.0713
40 mph								0.0627	0.0627
45 mph								0.0440	0.0440
50 mph								0.0213	0.0213
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.2211	0.2211

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0000	0.0000
15 mph								0.0138	0.0138
25 mph								0.0485	0.0485
35 mph								-	-
total	-	-	-	-	-	-	-	0.0624	0.0624

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0000	0.0000
10 mph								0.0252	0.0252
15 mph								0.0209	0.0209
20 mph								0.0410	0.0410
25 mph								0.1568	0.1568
30 mph								0.1280	0.1280
35 mph								0.0941	0.0941
40 mph								0.0870	0.0870
45 mph								0.0628	0.0628
50 mph								0.0509	0.0509
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.6667	0.6667

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0003	0.0001	0.0003	0.0004	0.0010
10 mph	0.0008	0.0001	0.0005	0.0051	0.0174	0.0130	0.0860	0.2682	0.3912
15 mph	0.0103	0.0014	0.0059	0.0047	0.0141	0.0104	0.0672	0.2086	0.3225
20 mph	0.0003	0.0000	0.0002	0.0033	0.0090	0.0066	0.1297	0.3972	0.5462
25 mph	0.0044	0.0006	0.0025	0.0127	0.0423	0.0309	0.4717	1.4388	2.0040
30 mph	0.0027	0.0004	0.0015	0.0140	0.0367	0.0265	0.3590	1.1023	1.5431
35 mph	0.0293	0.0041	0.0165	0.0208	0.0441	0.0320	0.2477	0.7665	1.1609
40 mph	(0.0071)	(0.0010)	(0.0040)	0.0085	0.0314	0.0226	0.2192	0.6817	0.9513
45 mph	(0.0055)	(0.0008)	(0.0031)	0.0067	0.0247	0.0175	0.1553	0.4842	0.6791
50 mph	(0.0062)	(0.0009)	(0.0035)	0.0073	0.0282	0.0199	0.1281	0.3959	0.5686
55 mph	(0.0032)	(0.0005)	(0.0018)	0.0047	0.0178	0.0124	0.0451	0.1231	0.1976
60 mph	(0.0005)	(0.0001)	(0.0003)	0.0057	0.0178	0.0124	2.0728	5.5888	7.6967
65 mph	(0.0006)	(0.0001)	(0.0004)	0.0012	0.0040	0.0027	-	-	0.0067
70 mph	(0.0443)	(0.0076)	(0.0258)	0.0308	0.1274	0.0852	-	-	0.1656
STREX	0.0123	0.0011	0.0060	0.0250	0.0104	0.0032	0.0034	0.0000	0.0613
total	(0.0073)	(0.0032)	(0.0059)	0.1503	0.4254	0.2953	3.9855	11.4557	**16.2958**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0267	0.0306	0.0349	0.0381	0.0421	0.0416	0.0288	0.0197
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0123	0.0011	0.0060	0.0250	0.0104	0.0032	0.0034	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0123	0.0011	0.0060	0.0250	0.0104	0.0032	0.0034	0.0000

World Logistics Center
Mobile Emissions - 2021 (Net) - Mitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					2.3801	2.3940	3.3301	4.3649
10 mph	0.0141	0.0331	0.0214	0.0285	0.0297	0.0244	0.0686	0.5596
15 mph	0.0095	0.0225	0.0144	0.0194	0.0203	0.0166	0.0453	0.3755
20 mph	0.0067	0.0162	0.0103	0.0139	0.0148	0.0119	0.0320	0.2671
25 mph	0.0049	0.0122	0.0076	0.0103	0.0112	0.0088	0.0233	0.2053
30 mph	0.0038	0.0097	0.0059	0.0080	0.0089	0.0069	0.0178	0.1649
35 mph	0.0031	0.0081	0.0049	0.0066	0.0075	0.0057	0.0144	0.1403
40 mph	0.0027	0.0071	0.0042	0.0057	0.0067	0.0050	0.0127	0.1235
45 mph	0.0025	0.0065	0.0039	0.0053	0.0062	0.0046	0.0114	0.1162
50 mph	0.0024	0.0063	0.0038	0.0051	0.0062	0.0045	0.0115	0.1129
55 mph	0.0024	0.0063	0.0038	0.0052	0.0063	0.0046	0.0113	0.1180
60 mph	0.0026	0.0065	0.0040	0.0055	0.0068	0.0050	0.0127	0.1239
65 mph	0.0028	0.0072	0.0044	0.0060	0.0079	0.0057		
70 mph	0.0030	0.0087	0.0047	0.0062	0.0080	0.0052		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0237	0.1099
10 mph	0.0070	0.0269	0.0092	0.0063	0.0249	0.0250	0.0022	0.0110
15 mph	0.0038	0.0189	0.0047	0.0032	0.0137	0.0136	0.0013	0.0059
20 mph	0.0019	0.0139	0.0020	0.0014	0.0072	0.0070	0.0009	0.0027
25 mph	0.0013	0.0111	0.0013	0.0009	0.0051	0.0049	0.0007	0.0022
30 mph	0.0010	0.0093	0.0010	0.0007	0.0041	0.0039	0.0005	0.0018
35 mph	0.0008	0.0083	0.0008	0.0006	0.0035	0.0033	0.0004	0.0014
40 mph	0.0007	0.0076	0.0007	0.0005	0.0031	0.0029	0.0004	0.0012
45 mph	0.0007	0.0072	0.0006	0.0004	0.0029	0.0027	0.0003	0.0010
50 mph	0.0006	0.0072	0.0005	0.0004	0.0028	0.0026	0.0003	0.0009
55 mph	0.0006	0.0076	0.0005	0.0004	0.0028	0.0026	0.0003	0.0010
60 mph	0.0006	0.0082	0.0005	0.0004	0.0030	0.0027	0.0004	0.0011
65 mph	0.0007	0.0096	0.0005	0.0004	0.0035	0.0031		
70 mph	0.0006	0.0117	0.0007	0.0004	0.0048	0.0040		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								2.0880
10 mph								13.8852
15 mph								9.1611
20 mph								6.2185
25 mph								4.5754
30 mph								3.4337
35 mph								2.5849
40 mph								1.9560
45 mph								1.4931
50 mph								1.1567
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0037	0.0007	0.0021	0.0064	0.0030	0.0008	0.0038	0.0002	0.0207
15 mph	0.0010	0.0002	0.0006	0.0017	0.0008	0.0002	0.0008	0.0001	0.0054
20 mph	0.0014	0.0003	0.0008	0.0025	0.0012	0.0003	0.0012	0.0001	0.0077
25 mph	0.0052	0.0010	0.0030	0.0092	0.0045	0.0011	0.0048	0.0003	0.0291
30 mph	0.0044	0.0008	0.0026	0.0079	0.0040	0.0010	0.0033	0.0002	0.0242
35 mph	0.0030	0.0006	0.0017	0.0053	0.0027	0.0007	0.0012	0.0001	0.0152
40 mph	0.0009	0.0002	0.0005	0.0015	0.0008	0.0002	0.0012	0.0001	0.0053
45 mph	0.0007	0.0001	0.0004	0.0012	0.0006	0.0001	0.0009	0.0001	0.0040
50 mph	0.0006	0.0001	0.0004	0.0012	0.0006	0.0001	0.0014	0.0001	0.0046
55 mph	0.0005	0.0001	0.0003	0.0009	0.0005	0.0001	0.0003	0.0000	0.0028
60 mph	0.0011	0.0002	0.0006	0.0020	0.0011	0.0003	0.0004	0.0000	0.0056
65 mph	0.0001	0.0000	0.0001	0.0003	0.0002	0.0000	-	-	0.0007
70 mph	-	-	-	-	-	-	-	-	-
total	0.0225	0.0042	0.0130	0.0402	0.0201	0.0049	0.0193	0.0013	0.1256

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0024)	(0.0004)	(0.0014)	0.0016	0.0013	0.0003	-	-	(0.0010)
15 mph	(0.0016)	(0.0003)	(0.0009)	0.0011	0.0009	0.0002	-	-	(0.0006)
20 mph	(0.0011)	(0.0002)	(0.0006)	0.0008	0.0006	0.0002	0.0028	0.0002	0.0025
25 mph	(0.0017)	(0.0003)	(0.0010)	0.0011	0.0010	0.0002	0.0036	0.0002	0.0032
30 mph	(0.0026)	(0.0005)	(0.0015)	0.0018	0.0015	0.0004	0.0047	0.0003	0.0041
35 mph	(0.0048)	(0.0009)	(0.0028)	0.0033	0.0029	0.0007	0.0038	0.0003	0.0024
40 mph	(0.0046)	(0.0009)	(0.0027)	0.0032	0.0028	0.0007	0.0031	0.0002	0.0018
45 mph	(0.0034)	(0.0007)	(0.0020)	0.0023	0.0021	0.0005	0.0020	0.0002	0.0011
50 mph	(0.0037)	(0.0007)	(0.0022)	0.0026	0.0024	0.0005	0.0010	0.0001	(0.0000)
55 mph	(0.0021)	(0.0004)	(0.0012)	0.0014	0.0013	0.0003	0.0005	0.0000	(0.0001)
60 mph	(0.0013)	(0.0003)	(0.0008)	0.0009	0.0009	0.0002	0.0388	0.0029	0.0414
65 mph	(0.0005)	(0.0001)	(0.0003)	0.0003	0.0003	0.0001	-	-	(0.0001)
70 mph	(0.0232)	(0.0051)	(0.0136)	0.0158	0.0157	0.0032	-	-	(0.0071)
total	(0.0528)	(0.0108)	(0.0308)	0.0362	0.0336	0.0075	0.0602	0.0045	0.0476

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0402	0.0127	0.0250	0.0004	0.0783
15 mph	0.0132	0.0024	0.0075	0.0030	0.0017	0.0004	0.0017	0.0001	0.0300
25 mph	-	-	-	-	0.0018	0.0004	0.0037	0.0003	0.0062
35 mph	0.0187	0.0036	0.0109	0.0040	-	-	-	-	0.0373
total	0.0319	0.0060	0.0184	0.0070	0.0437	0.0136	0.0304	0.0007	0.1518

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0402	0.0127	0.0250	0.0004	0.0783
10 mph	0.0013	0.0002	0.0007	0.0080	0.0043	0.0011	0.0038	0.0002	0.0197
15 mph	0.0126	0.0023	0.0072	0.0058	0.0034	0.0009	0.0025	0.0002	0.0348
20 mph	0.0003	0.0000	0.0002	0.0033	0.0018	0.0005	0.0040	0.0003	0.0103
25 mph	0.0035	0.0007	0.0020	0.0104	0.0073	0.0018	0.0121	0.0008	0.0385
30 mph	0.0018	0.0003	0.0011	0.0097	0.0055	0.0013	0.0080	0.0006	0.0283
35 mph	0.0169	0.0033	0.0098	0.0126	0.0056	0.0013	0.0050	0.0004	0.0549
40 mph	(0.0037)	(0.0007)	(0.0022)	0.0047	0.0036	0.0009	0.0042	0.0003	0.0071
45 mph	(0.0027)	(0.0005)	(0.0016)	0.0035	0.0027	0.0006	0.0029	0.0002	0.0051
50 mph	(0.0031)	(0.0006)	(0.0018)	0.0037	0.0030	0.0007	0.0024	0.0002	0.0045
55 mph	(0.0016)	(0.0003)	(0.0009)	0.0024	0.0018	0.0004	0.0008	0.0001	0.0027
60 mph	(0.0002)	(0.0000)	(0.0001)	0.0029	0.0020	0.0005	0.0392	0.0030	0.0471
65 mph	(0.0003)	(0.0001)	(0.0002)	0.0006	0.0005	0.0001	-	-	0.0006
70 mph	(0.0232)	(0.0051)	(0.0136)	0.0158	0.0157	0.0032	-	-	(0.0071)
total	0.0016	(0.0006)	0.0006	0.0834	0.0974	0.0261	0.1098	0.0066	0.3249

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0012	0.0006	0.0057	0.0091
15 mph	0.0000	0.0000	0.0000	0.0000	0.0004	0.0003	0.0001	0.0010	0.0018
20 mph	0.0000	0.0000	0.0000	0.0000	0.0004	0.0003	0.0002	0.0009	0.0018
25 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0009	0.0007	0.0043	0.0072
30 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0008	0.0005	0.0030	0.0055
35 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	0.0002	0.0011	0.0027
40 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0010	0.0016
45 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0001	0.0001	0.0007	0.0011
50 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0001	0.0002	0.0010	0.0015
55 mph	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0000	0.0003	0.0006
60 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	0.0000	0.0003	0.0008
65 mph	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-	-	0.0001
70 mph	-	-	-	-	-	-	-	-	-
total	0.0001	0.0000	0.0000	0.0001	0.0067	0.0048	0.0027	0.0194	0.0338

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0007	0.0005	-	-	0.0012
15 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0004	0.0003	-	-	0.0006
20 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0002	0.0001	0.0004	0.0022	0.0029
25 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0003	0.0002	0.0005	0.0032	0.0041
30 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0004	0.0003	0.0007	0.0043	0.0057
35 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0009	0.0006	0.0005	0.0034	0.0054
40 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0008	0.0006	0.0004	0.0026	0.0044
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0006	0.0004	0.0003	0.0017	0.0030
50 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0007	0.0005	0.0001	0.0008	0.0020
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0004	0.0003	0.0001	0.0004	0.0011
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0002	0.0002	0.0054	0.0308	0.0366
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0001	0.0001	-	-	0.0002
70 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0060	0.0037	-	-	0.0096
total	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0117	0.0077	0.0083	0.0494	0.0770

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0016	0.0012	0.0009	0.0076	0.0113
15 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0002	0.0020	0.0036
25 mph	-	-	-	-	0.0005	0.0004	0.0005	0.0033	0.0047
35 mph	0.0000	0.0000	0.0000	0.0000	-	-	-	-	0.0001
total	0.0001	0.0000	0.0000	0.0000	0.0028	0.0021	0.0016	0.0130	0.0196

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0016	0.0012	0.0009	0.0076	0.0113
10 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0017	0.0006	0.0057	0.0103
15 mph	0.0000	0.0000	0.0000	0.0000	0.0015	0.0011	0.0003	0.0030	0.0060
20 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	0.0005	0.0032	0.0047
25 mph	0.0000	0.0000	0.0000	0.0000	0.0021	0.0015	0.0017	0.0108	0.0161
30 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0011	0.0012	0.0073	0.0112
35 mph	0.0000	0.0000	0.0000	0.0000	0.0017	0.0012	0.0007	0.0045	0.0081
40 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0011	0.0008	0.0006	0.0036	0.0060
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0008	0.0006	0.0004	0.0024	0.0041
50 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0009	0.0006	0.0003	0.0018	0.0036
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0005	0.0004	0.0001	0.0007	0.0017
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0005	0.0004	0.0054	0.0311	0.0375
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0001	0.0001	-	-	0.0002
70 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0060	0.0037	-	-	0.0096
total	0.0000	(0.0000)	0.0000	0.0002	0.0213	0.0145	0.0127	0.0817	0.1304

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.3475	0.3475
15 mph								0.0764	0.0764
20 mph								0.1038	0.1038
25 mph								0.4199	0.4199
30 mph								0.2865	0.2865
35 mph								0.0970	0.0970
40 mph								0.0816	0.0816
45 mph								0.0498	0.0498
50 mph								0.0627	0.0627
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.5252	1.5252

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.2431	0.2431
25 mph								0.3130	0.3130
30 mph								0.4026	0.4026
35 mph								0.3031	0.3031
40 mph								0.2102	0.2102
45 mph								0.1167	0.1167
50 mph								0.0452	0.0452
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.2617	1.2617

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0070	0.0070
15 mph								0.1502	0.1502
25 mph								0.3283	0.3283
35 mph								-	-
total	-	-	-	-	-	-	-	0.4856	0.4856

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0070	0.0070
10 mph								0.3475	0.3475
15 mph								0.2267	0.2267
20 mph								0.3468	0.3468
25 mph								1.0612	1.0612
30 mph								0.6891	0.6891
35 mph								0.4001	0.4001
40 mph								0.2918	0.2918
45 mph								0.1665	0.1665
50 mph								0.1079	0.1079
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.6447	3.6447

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0418	0.0139	0.0259	0.0150	0.0966
10 mph	0.0013	0.0002	0.0007	0.0080	0.0065	0.0028	0.0044	0.3534	0.3775
15 mph	0.0126	0.0023	0.0072	0.0058	0.0049	0.0020	0.0028	0.2298	0.2674
20 mph	0.0003	0.0000	0.0002	0.0033	0.0024	0.0009	0.0045	0.3502	0.3618
25 mph	0.0035	0.0007	0.0020	0.0104	0.0094	0.0033	0.0138	1.0728	1.1158
30 mph	0.0018	0.0003	0.0011	0.0097	0.0071	0.0025	0.0091	0.6970	0.7286
35 mph	0.0169	0.0033	0.0098	0.0126	0.0073	0.0025	0.0057	0.4050	0.4632
40 mph	(0.0038)	(0.0007)	(0.0022)	0.0047	0.0047	0.0016	0.0048	0.2958	0.3050
45 mph	(0.0027)	(0.0005)	(0.0016)	0.0035	0.0036	0.0012	0.0032	0.1691	0.1758
50 mph	(0.0031)	(0.0006)	(0.0018)	0.0037	0.0039	0.0013	0.0027	0.1099	0.1160
55 mph	(0.0016)	(0.0003)	(0.0009)	0.0024	0.0024	0.0008	0.0009	0.0008	0.0044
60 mph	(0.0002)	(0.0000)	(0.0001)	0.0029	0.0025	0.0008	0.0446	0.0341	0.0845
65 mph	(0.0003)	(0.0001)	(0.0002)	0.0006	0.0006	0.0002	-	-	0.0009
70 mph	(0.0232)	(0.0051)	(0.0136)	0.0158	0.0217	0.0069	-	-	0.0025
STREX	0.0263	0.0029	0.0130	0.0608	0.0066	0.0021	0.0048	0.0000	0.1165
total	0.0279	0.0023	0.0137	0.1444	0.1253	0.0427	0.1274	3.7329	**4.2165**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0572	0.0839	0.0761	0.0930	0.0268	0.0265	0.0412	0.0002
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0263	0.0029	0.0130	0.0608	0.0066	0.0021	0.0048	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0263	0.0029	0.0130	0.0608	0.0066	0.0021	0.0048	0.0000

World Logistics Center
Mobile Emissions - 2021 (Net) - Mitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,612.32	5,379.12	13,760.96	24,934.94
10 mph	523.46	609.21	662.93	808.65	1,537.23	1,766.50	3,210.75	4,050.64
15 mph	428.27	498.13	542.06	660.88	1,256.13	1,443.22	2,625.64	3,316.01
20 mph	356.10	414.21	450.70	549.49	1,044.08	1,199.73	2,181.47	2,759.91
25 mph	304.59	354.45	385.51	470.38	892.57	1,025.64	1,865.22	2,361.51
30 mph	270.31	314.71	342.17	417.92	792.19	910.31	1,655.76	2,095.62
35 mph	250.63	291.99	317.32	388.10	734.61	844.17	1,534.96	1,941.29
40 mph	242.88	282.96	307.46	376.09	711.14	817.22	1,485.66	1,877.00
45 mph	244.18	284.25	308.91	377.73	713.69	820.16	1,490.89	1,879.61
50 mph	251.63	292.95	318.26	389.41	734.86	844.13	1,534.32	1,932.67
55 mph	261.42	304.35	330.71	404.96	765.13	878.82	1,595.53	2,010.34
60 mph	268.92	313.33	340.87	417.90	796.03	914.28	1,660.46	2,091.61
65 mph	275.72	321.88	350.06	429.82	820.57	942.04		
70 mph	278.11	327.61	353.03	438.17	832.61	952.33		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,833.91	6,152.93	6,230.31	5,972.10
10 mph	436.86	906.56	593.31	739.75	1,009.94	1,129.21	1,972.79	2,988.25
15 mph	359.43	753.11	492.11	626.90	657.99	750.04	1,555.42	2,334.39
20 mph	294.85	618.63	404.31	520.71	560.79	639.71	1,329.60	1,965.03
25 mph	247.08	517.03	339.02	441.09	497.94	570.67	1,161.34	1,700.69
30 mph	213.96	445.41	293.15	381.64	452.63	515.14	1,020.15	1,493.59
35 mph	193.36	399.86	264.52	347.07	453.50	516.05	911.56	1,336.22
40 mph	180.94	372.74	246.86	324.80	441.48	497.62	835.35	1,226.17
45 mph	174.79	359.59	238.03	312.53	430.86	478.57	791.20	1,162.28
50 mph	175.32	360.07	238.32	314.25	452.13	496.70	779.36	1,137.27
55 mph	183.40	376.04	249.15	331.76	472.33	513.96	800.37	1,180.80
60 mph	198.89	407.93	269.94	359.06	476.36	515.10	853.57	1,245.35
65 mph	223.52	454.92	303.14	404.22	484.04	518.01		
70 mph	242.35	475.86	324.78	440.29	490.54	524.32		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								6,143.88
10 mph								4,932.42
15 mph								4,138.80
20 mph								3,607.19
25 mph								3,316.36
30 mph								3,129.62
35 mph								2,981.83
40 mph								2,861.05
45 mph								2,760.18
50 mph								2,674.71
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	137.43	12.03	65.01	181.66	155.48	56.30	179.42	1.76	789.09
15 mph	44.97	3.93	21.26	59.39	50.82	18.40	48.91	0.48	248.16
20 mph	74.79	6.54	35.36	98.75	84.48	30.59	81.27	0.80	412.58
25 mph	319.87	27.99	151.21	422.68	361.11	130.76	382.18	3.77	1,799.56
30 mph	312.24	27.34	147.63	413.08	352.55	127.66	308.42	3.04	1,691.97
35 mph	236.87	20.75	112.01	313.86	267.48	96.86	128.66	1.27	1,177.78
40 mph	76.52	6.70	36.18	101.38	86.31	31.26	138.37	1.36	478.08
45 mph	64.10	5.61	30.29	84.85	72.19	26.14	111.08	1.09	395.36
50 mph	66.06	5.78	31.21	87.48	74.33	26.90	185.77	1.82	479.36
55 mph	54.91	4.81	25.94	72.78	61.91	22.41	44.58	0.44	287.77
60 mph	112.96	9.90	53.48	150.21	128.82	46.62	46.39	0.46	548.84
65 mph	14.48	1.27	6.87	19.31	16.60	6.00	-	-	64.53
70 mph	-	-	-	-	-	-	-	-	-
total	1,515.20	132.66	716.44	2,005.43	1,712.08	619.91	1,655.07	16.28	8,373.08

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(88.73)	(7.77)	(41.97)	44.67	65.35	23.66	-	-	(4.78)
15 mph	(72.60)	(6.35)	(34.32)	36.51	53.40	19.33	-	-	(4.02)
20 mph	(60.36)	(5.28)	(28.53)	30.36	44.38	16.07	190.37	1.88	188.88
25 mph	(103.26)	(9.04)	(48.82)	51.97	75.89	27.48	284.86	2.81	281.89
30 mph	(183.28)	(16.05)	(86.66)	92.35	134.71	48.78	433.49	4.27	427.61
35 mph	(382.36)	(33.50)	(180.81)	192.97	281.06	101.78	401.86	3.96	384.95
40 mph	(411.72)	(36.07)	(194.66)	207.77	302.31	109.47	356.54	3.51	337.15
45 mph	(331.12)	(28.99)	(156.47)	166.94	242.71	87.89	260.21	2.55	243.74
50 mph	(383.88)	(33.61)	(181.35)	193.62	281.15	101.77	133.90	1.31	112.91
55 mph	(221.57)	(19.40)	(104.69)	111.86	162.63	58.86	69.62	0.68	58.00
60 mph	(136.76)	(11.98)	(64.74)	69.26	101.52	36.74	5,071.70	49.74	5,115.49
65 mph	(46.74)	(4.10)	(22.16)	23.75	34.88	12.62	-	-	(1.76)
70 mph	(2,168.59)	(192.11)	(1,028.15)	1,113.52	1,628.14	586.83	-	-	(60.36)
total	(4,590.97)	(404.25)	(2,173.33)	2,335.56	3,408.13	1,231.29	7,202.56	70.72	7,079.70

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	77.86	28.61	103.36	2.04	211.87
15 mph	596.74	52.20	282.11	102.29	106.46	38.55	96.14	0.95	1,275.43
25 mph	-	-	-	-	143.67	52.02	298.86	2.95	497.51
35 mph	1,502.57	131.65	710.54	237.51	-	-	-	-	2,582.27
total	2,099.31	183.84	992.65	339.80	328.00	119.18	498.37	5.93	4,567.08

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	77.86	28.61	103.36	2.04	211.87
10 mph	48.69	4.26	23.03	226.33	220.83	79.97	179.42	1.76	784.30
15 mph	569.12	49.78	269.05	198.19	210.68	76.28	145.05	1.43	1,519.57
20 mph	14.43	1.26	6.82	129.11	128.87	46.66	271.64	2.68	601.47
25 mph	216.60	18.96	102.39	474.65	580.67	210.26	965.90	9.52	2,578.95
30 mph	128.96	11.29	60.98	505.43	487.26	176.44	741.91	7.31	2,119.58
35 mph	1,357.08	118.90	641.74	744.34	548.54	198.64	530.52	5.22	4,144.99
40 mph	(335.20)	(29.37)	(158.48)	309.16	388.62	140.73	494.91	4.87	815.24
45 mph	(267.02)	(23.38)	(126.17)	251.80	314.90	114.03	371.30	3.64	639.10
50 mph	(317.82)	(27.83)	(150.14)	281.10	355.48	128.67	319.67	3.14	592.27
55 mph	(166.67)	(14.59)	(78.75)	184.64	224.54	81.27	114.20	1.12	345.77
60 mph	(23.79)	(2.08)	(11.26)	219.47	230.34	83.37	5,118.10	50.20	5,664.33
65 mph	(32.26)	(2.83)	(15.30)	43.06	51.48	18.62	-	-	62.77
70 mph	(2,168.59)	(192.11)	(1,028.15)	1,113.52	1,628.14	586.83	-	-	(60.36)
total	(976.46)	(87.74)	(464.25)	4,680.79	5,448.21	1,970.39	9,355.99	92.93	20,019.86

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.98	0.01	0.34	3.23	64.93	53.83	531.82	1,545.59	2,200.73
15 mph	0.32	0.00	0.11	1.10	16.92	14.30	139.77	402.47	574.99
20 mph	0.53	0.01	0.18	1.82	28.84	24.39	238.95	677.57	972.31
25 mph	2.22	0.02	0.77	7.71	128.06	108.81	1,147.92	3,225.32	4,620.85
30 mph	2.12	0.02	0.74	7.34	128.05	108.04	916.69	2,575.06	3,738.06
35 mph	1.56	0.02	0.54	5.46	104.97	88.55	368.60	1,036.68	1,606.39
40 mph	0.49	0.01	0.17	1.70	34.06	28.46	375.32	1,057.01	1,497.22
45 mph	0.39	0.00	0.14	1.37	27.70	22.81	284.38	801.54	1,138.34
50 mph	0.39	0.00	0.14	1.37	29.07	23.68	455.21	1,274.48	1,784.35
55 mph	0.33	0.00	0.11	1.16	24.29	19.60	107.88	305.37	458.75
60 mph	0.71	0.01	0.25	2.51	49.00	39.29	115.05	322.06	528.88
65 mph	0.10	0.00	0.03	0.35	6.22	4.94	-	-	11.65
70 mph	-	-	-	-	-	-	-	-	-
total	10.15	0.11	3.52	35.14	642.13	536.70	4,681.60	13,223.16	19,132.52

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.63)	(0.01)	(0.22)	0.80	27.29	22.62	-	-	49.85
15 mph	(0.52)	(0.01)	(0.18)	0.67	17.78	15.03	-	-	32.77
20 mph	(0.43)	(0.00)	(0.15)	0.56	15.15	12.82	559.75	1,587.22	2,174.91
25 mph	(0.72)	(0.01)	(0.25)	0.95	26.91	22.87	855.59	2,403.97	3,309.31
30 mph	(1.24)	(0.01)	(0.43)	1.64	48.93	41.28	1,288.41	3,619.25	4,997.82
35 mph	(2.52)	(0.03)	(0.88)	3.36	110.29	93.05	1,151.26	3,237.90	4,592.44
40 mph	(2.62)	(0.03)	(0.91)	3.49	119.30	99.70	967.11	2,723.64	3,909.68
45 mph	(2.03)	(0.02)	(0.70)	2.69	93.14	76.70	666.17	1,877.61	2,713.56
50 mph	(2.29)	(0.02)	(0.79)	3.04	109.96	89.56	328.10	918.61	1,446.17
55 mph	(1.33)	(0.01)	(0.46)	1.78	63.82	51.48	168.47	476.88	760.64
60 mph	(0.87)	(0.01)	(0.30)	1.16	38.62	30.96	12,576.96	35,206.69	47,853.21
65 mph	(0.32)	(0.00)	(0.11)	0.43	13.08	10.38	-	-	23.45
70 mph	(16.17)	(0.16)	(5.50)	21.78	609.77	483.20	-	-	1,092.91
total	(31.70)	(0.33)	(10.87)	42.36	1,294.05	1,049.64	18,561.83	52,051.76	72,956.74

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	41.14	48.95	225.76	415.20	731.05
15 mph	4.29	0.05	1.49	1.89	35.45	29.96	274.75	791.14	1,139.00
25 mph	-	-	-	-	50.95	43.29	897.67	2,522.18	3,514.09
35 mph	9.92	0.11	3.44	4.13	-	-	-	-	17.60
total	14.21	0.15	4.93	6.02	127.54	122.20	1,398.17	3,728.52	5,401.74

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	41.14	48.95	225.76	415.20	731.05
10 mph	0.35	0.00	0.12	4.03	92.22	76.45	531.82	1,545.59	2,250.58
15 mph	4.09	0.04	1.42	3.66	70.15	59.29	414.51	1,193.60	1,746.77
20 mph	0.10	0.00	0.04	2.38	44.00	37.21	798.70	2,264.79	3,147.22
25 mph	1.50	0.02	0.52	8.66	205.92	174.96	2,901.18	8,151.47	11,444.25
30 mph	0.87	0.01	0.30	8.98	176.97	149.32	2,205.11	6,194.31	8,735.88
35 mph	8.96	0.10	3.11	12.96	215.26	181.60	1,519.87	4,274.58	6,216.43
40 mph	(2.14)	(0.02)	(0.74)	5.20	153.36	128.16	1,342.43	3,780.65	5,406.90
45 mph	(1.64)	(0.02)	(0.57)	4.06	120.85	99.52	950.56	2,679.15	3,851.90
50 mph	(1.89)	(0.02)	(0.65)	4.42	139.03	113.24	783.31	2,193.09	3,230.52
55 mph	(1.00)	(0.01)	(0.35)	2.94	88.11	71.08	276.35	782.25	1,219.39
60 mph	(0.15)	(0.00)	(0.05)	3.67	87.62	70.24	12,692.01	35,528.75	48,382.09
65 mph	(0.22)	(0.00)	(0.08)	0.79	19.30	15.32	-	-	35.11
70 mph	(16.17)	(0.16)	(5.50)	21.78	609.77	483.20	-	-	1,092.91
total	(7.34)	(0.07)	(2.42)	83.53	2,063.72	1,708.55	24,641.60	69,003.44	97,491.00

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								123.45	123.45
15 mph								34.53	34.53
20 mph								60.19	60.19
25 mph								304.34	304.34
30 mph								261.09	261.09
35 mph								111.94	111.94
40 mph								119.34	119.34
45 mph								92.11	92.11
50 mph								145.04	145.04
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1,252.03	1,252.03

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								140.99	140.99
25 mph								226.84	226.84
30 mph								366.96	366.96
35 mph								349.64	349.64
40 mph								307.52	307.52
45 mph								215.76	215.76
50 mph								104.54	104.54
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1,084.42	1,084.42

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								20.67	20.67
15 mph								67.87	67.87
25 mph								237.99	237.99
35 mph								-	-
total	-	-	-	-	-	-	-	326.53	326.53

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								20.67	20.67
10 mph								123.45	123.45
15 mph								102.40	102.40
20 mph								201.17	201.17
25 mph								769.16	769.16
30 mph								628.06	628.06
35 mph								461.58	461.58
40 mph								426.86	426.86
45 mph								307.87	307.87
50 mph								249.58	249.58
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3,290.80	3,290.80

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	119.00	77.56	329.12	437.90	963.59
10 mph	49.04	4.27	23.15	230.36	313.05	156.42	711.24	1,670.80	3,158.33
15 mph	573.20	49.83	270.47	201.85	280.83	135.56	559.56	1,297.43	3,368.74
20 mph	14.53	1.26	6.86	131.49	172.86	83.87	1,070.34	2,468.64	3,949.86
25 mph	218.10	18.97	102.92	483.31	786.59	385.22	3,867.08	8,930.16	14,792.36
30 mph	129.84	11.30	61.28	514.42	664.23	325.76	2,947.02	6,829.67	11,483.52
35 mph	1,366.04	118.99	644.85	757.30	763.80	380.24	2,050.39	4,741.39	10,823.00
40 mph	(337.33)	(29.39)	(159.22)	314.36	541.98	268.89	1,837.33	4,212.38	6,648.99
45 mph	(268.66)	(23.39)	(126.74)	255.85	435.75	213.55	1,321.86	2,990.67	4,798.88
50 mph	(319.72)	(27.85)	(150.80)	285.51	494.51	241.91	1,102.98	2,445.81	4,072.36
55 mph	(167.67)	(14.60)	(79.09)	187.59	312.65	152.35	390.56	783.37	1,565.16
60 mph	(23.94)	(2.09)	(11.32)	223.14	317.96	153.61	17,810.11	35,578.95	54,046.43
65 mph	(32.48)	(2.83)	(15.38)	43.84	70.79	33.94	-	-	97.88
70 mph	(2,184.76)	(192.28)	(1,033.65)	1,135.29	2,237.91	1,070.04	-	-	1,032.56
STREX	25.79	2.28	12.44	58.23	4.71	1.68	4.65	0.05	109.82
total	(958.01)	(85.53)	(454.23)	4,822.55	7,516.63	3,680.61	34,002.24	72,387.22	**120,911.48**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	56.18	66.02	72.53	88.99	19.11	21.61	39.50	55.22
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	25.79	2.28	12.44	58.23	4.71	1.68	4.65	0.05
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	25.79	2.28	12.44	58.23	4.71	1.68	4.65	0.05

World Logistics Center
Mobile Emissions - 2022 (Net) - Mitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
13.18	362.26	143.58	2.26	3.05	34.39	22.65	60.09	2.92	8.44	8.82	20.18	2.24	32.03	8.43	237,684.21

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
2.40	66.11	26.20	0.41	0.56	6.28	4.13	10.97	0.53	1.54	1.61	3.68	0.41	5.85	1.54	43,377.37

World Logistics Center
Mobile Emissions - 2022 (Net) - Mitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	415.08	3.74	8.12	(10,578.82)	(95.38)	(206.84)
LDT1	31.26	0.02	0.23	(796.58)	(0.42)	(5.81)
LDT2	155.09	0.98	1.56	(3,952.71)	(25.10)	(39.86)
MDT	591.00	12.52	4.38	9,047.63	191.62	67.05
LHDT1	218.02	147.32	-	5,554.65	3,753.34	-
LHDT2	68.07	107.58	-	1,734.27	2,740.83	-
MHDT	106.52	514.91	-	4,794.57	23,175.67	-
HHDT	0.77	985.70	49.74	34.77	44,365.52	2,238.66

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	4,747.33	42.80	92.82	(15,326.16)	(138.19)	(299.66)
LDT1	357.47	0.19	2.61	(1,154.06)	(0.61)	(8.41)
LDT2	1,773.81	11.26	17.89	(5,726.52)	(36.36)	(57.74)
MDT	4,057.92	85.94	30.07	4,989.72	105.68	36.97
LHDT1	1,790.97	1,210.17	-	3,763.69	2,543.17	-
LHDT2	559.17	883.71	-	1,175.09	1,857.11	-
MHDT	843.37	4,076.64	-	3,951.20	19,099.03	-
HHDT	6.12	7,803.96	393.78	28.65	36,561.56	1,844.87

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	237.37	17.87	88.69	202.90	89.55	27.96	50.60	0.37	715.30
15 mph	94.95	7.15	35.48	81.16	35.82	11.18	16.87	0.12	282.72
20 mph	189.89	14.30	70.95	162.32	71.64	22.37	33.73	0.24	565.45
25 mph	949.47	71.49	354.76	811.58	358.19	111.83	185.54	1.35	2,844.22
30 mph	1,044.41	78.64	390.24	892.74	394.01	123.02	168.67	1.22	3,092.97
35 mph	854.52	64.35	319.29	730.42	322.37	100.65	75.90	0.55	2,468.06
40 mph	284.84	21.45	106.43	243.47	107.46	33.55	84.34	0.61	882.15
45 mph	237.37	17.87	88.69	202.90	89.55	27.96	67.47	0.49	732.29
50 mph	237.37	17.87	88.69	202.90	89.55	27.96	109.64	0.80	774.77
55 mph	189.89	14.30	70.95	162.32	71.64	22.37	25.30	0.18	556.95
60 mph	379.79	28.60	141.90	324.63	143.28	44.73	25.30	0.18	1,088.42
65 mph	47.47	3.57	17.74	40.58	17.91	5.59	-	-	132.87
70 mph	-	-	-	-	-	-	-	-	-
total	4,747.33	357.47	1,773.81	4,057.92	1,790.97	559.17	843.37	6.12	14,136.16

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(153.26)	(11.54)	(57.27)	49.90	37.64	11.75	-	-	(122.78)
15 mph	(153.26)	(11.54)	(57.27)	49.90	37.64	11.75	-	-	(122.78)
20 mph	(153.26)	(11.54)	(57.27)	49.90	37.64	11.75	79.02	0.57	(43.19)
25 mph	(306.52)	(23.08)	(114.53)	99.79	75.27	23.50	138.29	1.00	(106.27)
30 mph	(613.05)	(46.16)	(229.06)	199.59	150.55	47.00	237.07	1.72	(252.34)
35 mph	(1,379.35)	(103.87)	(515.39)	449.07	338.73	105.76	237.07	1.72	(866.25)
40 mph	(1,532.62)	(115.41)	(572.65)	498.97	376.37	117.51	217.32	1.58	(1,008.93)
45 mph	(1,226.09)	(92.32)	(458.12)	399.18	301.10	94.01	158.05	1.15	(823.06)
50 mph	(1,379.35)	(103.87)	(515.39)	449.07	338.73	105.76	79.02	0.57	(1,025.44)
55 mph	(766.31)	(57.70)	(286.33)	249.49	188.18	58.75	39.51	0.29	(574.11)
60 mph	(459.78)	(34.62)	(171.80)	149.69	112.91	35.25	2,765.84	20.06	2,417.55
65 mph	(153.26)	(11.54)	(57.27)	49.90	37.64	11.75	-	-	(122.78)
70 mph	(7,050.03)	(530.87)	(2,634.20)	2,295.27	1,731.30	540.54	-	-	(5,647.99)
total	(15,326.16)	(1,154.06)	(5,726.52)	4,989.72	3,763.69	1,175.09	3,951.20	28.65	(8,298.39)

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	14.95	4.67	6.80	0.07	26.48
15 mph	1,259.81	94.86	470.72	139.80	75.04	23.43	33.16	0.24	2,097.06
25 mph	-	-	-	-	142.51	44.50	145.09	1.05	333.15
35 mph	5,420.50	408.16	2,025.34	552.74	-	-	-	-	8,406.74
total	6,680.31	503.03	2,496.06	692.54	217.55	67.92	178.25	1.29	10,836.95

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	14.95	4.67	6.80	0.07	26.48
10 mph	84.11	6.33	31.43	252.79	127.19	39.71	50.60	0.37	592.52
15 mph	1,201.50	90.47	448.93	270.86	148.49	46.36	50.02	0.36	2,257.00
20 mph	36.63	2.76	13.69	212.21	109.28	34.12	112.76	0.82	522.26
25 mph	642.94	48.41	240.23	911.38	575.98	179.83	468.93	3.40	3,071.11
30 mph	431.37	32.48	161.18	1,092.33	544.56	170.02	405.75	2.94	2,840.63
35 mph	4,895.67	368.64	1,829.23	1,732.24	661.11	206.41	312.98	2.27	10,008.54
40 mph	(1,247.78)	(93.96)	(466.22)	742.45	483.83	151.06	301.65	2.19	(126.78)
45 mph	(988.73)	(74.45)	(369.43)	602.07	390.64	121.97	225.52	1.64	(90.77)
50 mph	(1,141.99)	(85.99)	(426.70)	651.97	428.28	133.72	188.66	1.37	(250.68)
55 mph	(576.41)	(43.40)	(215.37)	411.80	259.82	81.12	64.81	0.47	(17.16)
60 mph	(80.00)	(6.02)	(29.89)	474.32	256.19	79.99	2,791.14	20.24	3,505.97
65 mph	(105.79)	(7.97)	(39.53)	90.48	55.55	17.34	-	-	10.08
70 mph	(7,050.03)	(530.87)	(2,634.20)	2,295.27	1,731.30	540.54	-	-	(5,647.99)
total	(3,898.51)	(293.56)	(1,456.65)	9,740.17	5,772.21	1,802.19	4,972.82	36.06	16,674.73

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	2.14	0.01	0.56	4.30	60.51	44.19	244.60	468.24	824.54
15 mph	0.86	0.00	0.23	1.72	24.20	17.67	81.53	156.08	282.29
20 mph	1.71	0.01	0.45	3.44	48.41	35.35	163.07	312.16	564.59
25 mph	8.56	0.04	2.25	17.19	242.03	176.74	896.86	1,716.87	3,060.55
30 mph	9.42	0.04	2.48	18.91	266.24	194.42	815.33	1,560.79	2,867.62
35 mph	7.70	0.03	2.03	15.47	217.83	159.07	366.90	702.36	1,471.39
40 mph	2.57	0.01	0.68	5.16	72.61	53.02	407.66	780.40	1,322.11
45 mph	2.14	0.01	0.56	4.30	60.51	44.19	326.13	624.32	1,062.15
50 mph	2.14	0.01	0.56	4.30	60.51	44.19	529.96	1,014.52	1,656.18
55 mph	1.71	0.01	0.45	3.44	48.41	35.35	122.30	234.12	445.78
60 mph	3.42	0.02	0.90	6.88	96.81	70.70	122.30	234.12	535.14
65 mph	0.43	0.00	0.11	0.86	12.10	8.84	-	-	22.34
70 mph	-	-	-	-	-	-	-	-	-
total	42.80	0.19	11.26	85.94	1,210.17	883.71	4,076.64	7,803.96	14,114.69

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(1.38)	(0.01)	(0.36)	1.06	25.43	18.57	-	-	43.31
15 mph	(1.38)	(0.01)	(0.36)	1.06	25.43	18.57	-	-	43.31
20 mph	(1.38)	(0.01)	(0.36)	1.06	25.43	18.57	381.98	731.23	1,156.52
25 mph	(2.76)	(0.01)	(0.73)	2.11	50.86	37.14	668.47	1,279.65	2,034.74
30 mph	(5.53)	(0.02)	(1.45)	4.23	101.73	74.28	1,145.94	2,193.69	3,512.87
35 mph	(12.44)	(0.05)	(3.27)	9.51	228.88	167.14	1,145.94	2,193.69	3,729.41
40 mph	(13.82)	(0.06)	(3.64)	10.57	254.32	185.71	1,050.45	2,010.89	3,494.41
45 mph	(11.06)	(0.05)	(2.91)	8.45	203.45	148.57	763.96	1,462.46	2,572.89
50 mph	(12.44)	(0.05)	(3.27)	9.51	228.88	167.14	381.98	731.23	1,502.98
55 mph	(6.91)	(0.03)	(1.82)	5.28	127.16	92.86	190.99	365.62	773.15
60 mph	(4.15)	(0.02)	(1.09)	3.17	76.29	55.71	13,369.32	25,593.09	39,092.34
65 mph	(1.38)	(0.01)	(0.36)	1.06	25.43	18.57	-	-	43.31
70 mph	(63.57)	(0.28)	(16.73)	48.61	1,169.86	854.27	-	-	1,992.17
total	(138.19)	(0.61)	(36.36)	105.68	2,543.17	1,857.11	19,099.03	36,561.56	59,991.39

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	10.10	7.37	32.88	62.94	113.29
15 mph	11.36	0.05	2.99	2.96	50.70	37.03	160.27	306.81	572.17
25 mph	-	-	-	-	96.30	70.32	701.34	1,342.58	2,210.54
35 mph	48.87	0.22	12.86	11.71	-	-	-	-	73.66
total	60.23	0.27	15.85	14.67	147.00	107.35	861.61	1,649.39	2,856.36

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	10.10	7.37	32.88	62.94	113.29
10 mph	0.76	0.00	0.20	5.35	85.94	62.76	244.60	468.24	867.85
15 mph	10.83	0.05	2.85	5.74	100.34	73.27	241.80	462.89	897.77
20 mph	0.33	0.00	0.09	4.49	73.84	53.92	545.05	1,043.39	1,721.11
25 mph	5.80	0.03	1.53	19.30	389.20	284.20	2,266.66	4,339.11	7,305.82
30 mph	3.89	0.02	1.02	23.13	367.96	268.70	1,961.27	3,754.49	6,380.49
35 mph	44.14	0.19	11.61	36.69	446.72	326.21	1,512.84	2,896.05	5,274.45
40 mph	(11.25)	(0.05)	(2.96)	15.72	326.93	238.73	1,458.11	2,791.28	4,816.52
45 mph	(8.91)	(0.04)	(2.35)	12.75	263.96	192.75	1,090.09	2,086.78	3,635.04
50 mph	(10.30)	(0.05)	(2.71)	13.81	289.39	211.33	911.94	1,745.75	3,159.17
55 mph	(5.20)	(0.02)	(1.37)	8.72	175.57	128.20	313.29	599.73	1,218.93
60 mph	(0.72)	(0.00)	(0.19)	10.05	173.11	126.41	13,491.62	25,827.21	39,627.48
65 mph	(0.95)	(0.00)	(0.25)	1.92	37.53	27.41	-	-	65.65
70 mph	(63.57)	(0.28)	(16.73)	48.61	1,169.86	854.27	-	-	1,992.17
total	(35.15)	(0.15)	(9.25)	206.29	3,900.34	2,848.17	24,037.28	46,014.91	76,962.44

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	4.64	0.13	0.89	1.50	-	-	-	23.63	30.80
15 mph	1.86	0.05	0.36	0.60	-	-	-	7.88	10.74
20 mph	3.71	0.10	0.72	1.20	-	-	-	15.75	21.49
25 mph	18.56	0.52	3.58	6.01	-	-	-	86.63	115.31
30 mph	20.42	0.57	3.94	6.62	-	-	-	78.76	110.30
35 mph	16.71	0.47	3.22	5.41	-	-	-	35.44	61.25
40 mph	5.57	0.16	1.07	1.80	-	-	-	39.38	47.98
45 mph	4.64	0.13	0.89	1.50	-	-	-	31.50	38.67
50 mph	4.64	0.13	0.89	1.50	-	-	-	51.19	58.36
55 mph	3.71	0.10	0.72	1.20	-	-	-	11.81	17.55
60 mph	7.43	0.21	1.43	2.41	-	-	-	11.81	23.28
65 mph	0.93	0.03	0.18	0.30	-	-	-	-	1.43
70 mph	-	-	-	-	-	-	-	-	-
total	92.82	2.61	17.89	30.07	-	-	-	393.78	537.17

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(3.00)	(0.08)	(0.58)	0.37	-	-	-	-	(3.29)
15 mph	(3.00)	(0.08)	(0.58)	0.37	-	-	-	-	(3.29)
20 mph	(3.00)	(0.08)	(0.58)	0.37	-	-	-	36.90	33.61
25 mph	(5.99)	(0.17)	(1.15)	0.74	-	-	-	64.57	57.99
30 mph	(11.99)	(0.34)	(2.31)	1.48	-	-	-	110.69	97.54
35 mph	(26.97)	(0.76)	(5.20)	3.33	-	-	-	110.69	81.10
40 mph	(29.97)	(0.84)	(5.77)	3.70	-	-	-	101.47	68.58
45 mph	(23.97)	(0.67)	(4.62)	2.96	-	-	-	73.79	47.49
50 mph	(26.97)	(0.76)	(5.20)	3.33	-	-	-	36.90	7.30
55 mph	(14.98)	(0.42)	(2.89)	1.85	-	-	-	18.45	2.01
60 mph	(8.99)	(0.25)	(1.73)	1.11	-	-	-	1,291.41	1,281.55
65 mph	(3.00)	(0.08)	(0.58)	0.37	-	-	-	-	(3.29)
70 mph	(137.84)	(3.87)	(26.56)	17.01	-	-	-	-	(151.27)
total	(299.66)	(8.41)	(57.74)	36.97	-	-	-	1,844.87	1,516.04

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	3.18	3.18
15 mph	24.63	0.69	4.75	1.04	-	-	-	15.48	46.59
25 mph	-	-	-	-	-	-	-	67.75	67.75
35 mph	105.98	2.97	20.42	4.10	-	-	-	-	133.48
total	130.61	3.67	25.17	5.13	-	-	-	83.23	247.81

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	3.18	3.18
10 mph	1.64	0.05	0.32	1.87	-	-	-	23.63	27.51
15 mph	23.49	0.66	4.53	2.01	-	-	-	23.36	54.04
20 mph	0.72	0.02	0.14	1.57	-	-	-	52.65	55.10
25 mph	12.57	0.35	2.42	6.75	-	-	-	218.95	241.05
30 mph	8.43	0.24	1.63	8.09	-	-	-	189.45	207.84
35 mph	95.72	2.69	18.45	12.84	-	-	-	146.13	275.82
40 mph	(24.40)	(0.68)	(4.70)	5.50	-	-	-	140.85	116.57
45 mph	(19.33)	(0.54)	(3.73)	4.46	-	-	-	105.30	86.16
50 mph	(22.33)	(0.63)	(4.30)	4.83	-	-	-	88.09	65.66
55 mph	(11.27)	(0.32)	(2.17)	3.05	-	-	-	30.26	19.56
60 mph	(1.56)	(0.04)	(0.30)	3.51	-	-	-	1,303.23	1,304.83
65 mph	(2.07)	(0.06)	(0.40)	0.67	-	-	-	-	(1.85)
70 mph	(137.84)	(3.87)	(26.56)	17.01	-	-	-	-	(151.27)
total	142.58	4.00	27.47	33.14	-	-	-	654.16	2,301.01

World Logistics Center
Mobile Emissions - 2022 (Net) - Mitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	6109	330	0.21	1282.8	1247.2	11.2	24.4
	LDT1	15	451	330	0.21	94.6	93.9	0.0	0.7
	LDT2	15	2256	330	0.21	473.7	466.0	3.0	4.7
	MDT	15	680	330	0.21	142.7	138.7	2.9	1.0
	LHDT1	15	597	330	0.21	125.4	74.8	50.6	0.0
	LHDT2	15	287	330	0.21	60.3	23.4	36.9	0.0
	MHDT	15	914	330	0.21	192.0	32.9	159.0	0.0
	HHDT	15	1524	330	0.21	320.1	0.2	304.5	15.4
Travel at Light Logistics	LDA	15	44	175	0.11	4.8	4.7	0.0	0.1
	LDT1	15	3	175	0.11	0.4	0.4	0.0	0.0
	LDT2	15	16	175	0.11	1.8	1.8	0.0	0.0
	MDT	15	4	175	0.11	0.5	0.4	0.0	0.0
	LHDT1	15	2	175	0.11	0.3	0.2	0.1	0.0
	LHDT2	15	1	175	0.11	0.1	0.0	0.1	0.0
	MHDT	15	3	175	0.11	0.3	0.1	0.3	0.0
	HHDT	15	5	175	0.11	0.5	0.0	0.5	0.0
Travel at Utility	LDA	15	50	100	0.06	3.0	2.9	0.0	0.1
	LDT1	15	4	100	0.06	0.2	0.2	0.0	0.0
	LDT2	15	18	100	0.06	1.1	1.1	0.0	0.0
	MDT	15	11	100	0.06	0.6	0.6	0.0	0.0
	LHDT1	15	2	100	0.06	0.1	0.1	0.0	0.0
	LHDT2	15	1	100	0.06	0.0	0.0	0.0	0.0
	MHDT	15	3	100	0.06	0.2	0.0	0.2	0.0
	HHDT	15	5	100	0.06	0.3	0.0	0.3	0.0
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	32	50	0.03	1.0	0.2	0.8	0.0
	HHDT	15	54	50	0.03	1.6	0.0	1.5	0.1
Travel at Convenience Store	LDA	15	152	50	0.03	4.5	4.4	0.0	0.1
	LDT1	15	11	50	0.03	0.3	0.3	0.0	0.0
	LDT2	15	56	50	0.03	1.7	1.7	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	22	50	0.03	0.6	0.6	0.0	0.0
	LDT1	15	2	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	8	50	0.03	0.2	0.2	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1259.8	94.9	470.7	139.8	75.0	23.4	33.2	0.2
Diesel	11.4	0.1	3.0	3.0	50.7	37.0	160.3	306.8
Electric/Natural Gas (HHDT Only)	24.6	0.7	4.7	1.0	0.0	0.0	0.0	15.5

World Logistics Center
Mobile Emissions - 2022 (Net) - Mitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	299	178	120	0	890.8	601.9	0.0
	LHDT2	5	144	56	88	0	278.1	439.5	0.0
	MHDT	5	457	78	379	0	391.7	1893.4	0.0
	HHDT	5	762	1	725	37	2.8	3624.6	182.9
Travel at Light Logistics	LHDT1	5	1	1	0	0	3.6	2.4	0.0
	LHDT2	5	1	0	0	0	1.1	1.8	0.0
	MHDT	5	1	0	1	0	1.3	6.1	0.0
	HHDT	5	2	0	2	0	0.0	11.7	0.6
Travel at Utility	LHDT1	5	1	0	0	0	2.4	1.6	0.0
	LHDT2	5	0	0	0	0	0.8	1.2	0.0
	MHDT	5	2	0	1	0	1.3	6.4	0.0
	HHDT	5	3	0	2	0	0.0	12.2	0.6
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	16	3	13	0	13.8	66.8	0.0
	HHDT	5	27	0	26	1	0.1	127.8	6.4
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	14.9	4.7	6.8	0.1
Diesel	10.1	7.4	32.9	62.9
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	3.2

World Logistics Center
Mobile Emissions - 2022 (Net) - Mitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					17.8077	17.9246	26.8743	21.3221
10 mph	0.0499	0.1310	0.0808	0.1141	0.1269	0.0955	0.2877	2.7492
15 mph	0.0336	0.0896	0.0548	0.0783	0.0874	0.0651	0.1907	1.8530
20 mph	0.0238	0.0645	0.0390	0.0563	0.0641	0.0470	0.1352	1.3257
25 mph	0.0175	0.0487	0.0290	0.0418	0.0487	0.0349	0.0984	1.0233
30 mph	0.0136	0.0386	0.0226	0.0326	0.0390	0.0274	0.0755	0.8259
35 mph	0.0111	0.0321	0.0185	0.0267	0.0329	0.0226	0.0612	0.7054
40 mph	0.0096	0.0282	0.0162	0.0233	0.0295	0.0201	0.0541	0.6231
45 mph	0.0089	0.0258	0.0148	0.0215	0.0275	0.0185	0.0487	0.5882
50 mph	0.0086	0.0251	0.0144	0.0210	0.0274	0.0181	0.0489	0.5695
55 mph	0.0087	0.0252	0.0145	0.0212	0.0280	0.0183	0.0485	0.5976
60 mph	0.0092	0.0262	0.0152	0.0228	0.0305	0.0200	0.0542	0.6278
65 mph	0.0101	0.0287	0.0166	0.0246	0.0352	0.0230		
70 mph	0.0103	0.0342	0.0175	0.0247	0.0356	0.0205		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5095	2.3663
10 mph	0.1398	0.5536	0.1974	0.1289	0.5370	0.5388	0.0433	0.1984
15 mph	0.0751	0.3866	0.0992	0.0650	0.2920	0.2902	0.0252	0.1065
20 mph	0.0368	0.2835	0.0417	0.0277	0.1479	0.1443	0.0174	0.0514
25 mph	0.0248	0.2252	0.0262	0.0177	0.1034	0.0995	0.0134	0.0421
30 mph	0.0193	0.1889	0.0202	0.0137	0.0833	0.0795	0.0106	0.0332
35 mph	0.0158	0.1666	0.0163	0.0111	0.0711	0.0672	0.0085	0.0267
40 mph	0.0137	0.1524	0.0138	0.0095	0.0630	0.0591	0.0071	0.0223
45 mph	0.0124	0.1452	0.0121	0.0083	0.0581	0.0541	0.0063	0.0197
50 mph	0.0117	0.1452	0.0110	0.0075	0.0564	0.0521	0.0062	0.0181
55 mph	0.0113	0.1525	0.0102	0.0070	0.0560	0.0514	0.0065	0.0201
60 mph	0.0119	0.1657	0.0101	0.0070	0.0581	0.0533	0.0075	0.0241
65 mph	0.0126	0.1930	0.0106	0.0075	0.0678	0.0612		
70 mph	0.0118	0.2336	0.0132	0.0082	0.0968	0.0803		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.1129
10 mph								1.0078
15 mph								0.6145
20 mph								0.3815
25 mph								0.2824
30 mph								0.2177
35 mph								0.1688
40 mph								0.1323
45 mph								0.1055
50 mph								0.0864
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0261	0.0052	0.0158	0.0510	0.0250	0.0059	0.0321	0.0022	0.1634
15 mph	0.0070	0.0014	0.0043	0.0140	0.0069	0.0016	0.0071	0.0005	0.0428
20 mph	0.0099	0.0020	0.0061	0.0201	0.0101	0.0023	0.0101	0.0007	0.0615
25 mph	0.0367	0.0077	0.0227	0.0748	0.0385	0.0086	0.0403	0.0030	0.2322
30 mph	0.0313	0.0067	0.0195	0.0643	0.0338	0.0074	0.0281	0.0022	0.1933
35 mph	0.0209	0.0046	0.0130	0.0429	0.0234	0.0050	0.0102	0.0009	0.1209
40 mph	0.0061	0.0013	0.0038	0.0125	0.0070	0.0015	0.0101	0.0008	0.0431
45 mph	0.0046	0.0010	0.0029	0.0096	0.0054	0.0011	0.0072	0.0006	0.0326
50 mph	0.0045	0.0010	0.0028	0.0094	0.0054	0.0011	0.0118	0.0010	0.0370
55 mph	0.0036	0.0008	0.0023	0.0076	0.0044	0.0009	0.0027	0.0002	0.0225
60 mph	0.0077	0.0017	0.0048	0.0163	0.0096	0.0020	0.0030	0.0003	0.0453
65 mph	0.0011	0.0002	0.0007	0.0022	0.0014	0.0003	-	-	0.0058
70 mph	-	-	-	-	-	-	-	-	-
total	0.1595	0.0335	0.0986	0.3248	0.1710	0.0378	0.1627	0.0125	1.0005

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0169)	(0.0033)	(0.0102)	0.0126	0.0105	0.0025	-	-	(0.0048)
15 mph	(0.0114)	(0.0023)	(0.0069)	0.0086	0.0073	0.0017	-	-	(0.0030)
20 mph	(0.0080)	(0.0016)	(0.0049)	0.0062	0.0053	0.0012	0.0236	0.0017	0.0234
25 mph	(0.0118)	(0.0025)	(0.0073)	0.0092	0.0081	0.0018	0.0300	0.0023	0.0297
30 mph	(0.0184)	(0.0039)	(0.0114)	0.0144	0.0129	0.0028	0.0395	0.0031	0.0390
35 mph	(0.0337)	(0.0074)	(0.0211)	0.0264	0.0245	0.0053	0.0320	0.0027	0.0288
40 mph	(0.0326)	(0.0072)	(0.0204)	0.0257	0.0245	0.0052	0.0259	0.0022	0.0232
45 mph	(0.0240)	(0.0053)	(0.0150)	0.0190	0.0183	0.0038	0.0170	0.0015	0.0153
50 mph	(0.0261)	(0.0057)	(0.0164)	0.0208	0.0204	0.0042	0.0085	0.0007	0.0065
55 mph	(0.0146)	(0.0032)	(0.0091)	0.0117	0.0116	0.0024	0.0042	0.0004	0.0033
60 mph	(0.0093)	(0.0020)	(0.0058)	0.0075	0.0076	0.0016	0.3308	0.0278	0.3582
65 mph	(0.0034)	(0.0007)	(0.0021)	0.0027	0.0029	0.0006	-	-	(0.0000)
70 mph	(0.1608)	(0.0401)	(0.1017)	0.1250	0.1360	0.0245	-	-	(0.0172)
total	(0.3710)	(0.0852)	(0.2323)	0.2896	0.2899	0.0575	0.5115	0.0423	0.5024

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.5869	0.1844	0.4031	0.0033	1.1776
15 mph	0.0934	0.0187	0.0569	0.0241	0.0145	0.0034	0.0139	0.0010	0.2259
25 mph	-	-	-	-	0.0153	0.0034	0.0315	0.0024	0.0526
35 mph	0.1325	0.0289	0.0827	0.0325	-	-	-	-	0.2766
total	0.2258	0.0476	0.1396	0.0566	0.6166	0.1912	0.4485	0.0067	1.7327

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.5869	0.1844	0.4031	0.0033	1.1776
10 mph	0.0093	0.0018	0.0056	0.0636	0.0356	0.0084	0.0321	0.0022	0.1585
15 mph	0.0891	0.0179	0.0542	0.0467	0.0286	0.0067	0.0210	0.0015	0.2657
20 mph	0.0019	0.0004	0.0012	0.0263	0.0154	0.0035	0.0336	0.0024	0.0848
25 mph	0.0248	0.0052	0.0154	0.0840	0.0619	0.0138	0.1018	0.0077	0.3145
30 mph	0.0129	0.0028	0.0080	0.0786	0.0468	0.0103	0.0676	0.0054	0.2323
35 mph	0.1196	0.0261	0.0747	0.1018	0.0479	0.0103	0.0423	0.0035	0.4263
40 mph	(0.0265)	(0.0058)	(0.0166)	0.0382	0.0314	0.0067	0.0360	0.0030	0.0663
45 mph	(0.0193)	(0.0042)	(0.0121)	0.0286	0.0237	0.0050	0.0242	0.0021	0.0480
50 mph	(0.0216)	(0.0048)	(0.0135)	0.0302	0.0258	0.0053	0.0203	0.0017	0.0435
55 mph	(0.0110)	(0.0024)	(0.0069)	0.0193	0.0160	0.0033	0.0069	0.0006	0.0258
60 mph	(0.0016)	(0.0003)	(0.0010)	0.0238	0.0172	0.0035	0.3339	0.0280	0.4035
65 mph	(0.0023)	(0.0005)	(0.0014)	0.0049	0.0043	0.0009	-	-	0.0058
70 mph	(0.1608)	(0.0401)	(0.1017)	0.1250	0.1360	0.0245	-	-	(0.0172)
total	0.0144	(0.0040)	0.0059	0.6711	1.0775	0.2865	1.1227	0.0614	3.2355

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0002	0.0012	0.0716	0.0525	0.0234	0.2048	0.3545
15 mph	0.0001	0.0000	0.0000	0.0002	0.0156	0.0113	0.0045	0.0366	0.0685
20 mph	0.0001	0.0000	0.0000	0.0002	0.0158	0.0112	0.0062	0.0354	0.0691
25 mph	0.0005	0.0000	0.0001	0.0007	0.0552	0.0388	0.0265	0.1594	0.2811
30 mph	0.0004	0.0000	0.0001	0.0006	0.0489	0.0341	0.0190	0.1142	0.2173
35 mph	0.0003	0.0000	0.0001	0.0004	0.0341	0.0236	0.0069	0.0414	0.1067
40 mph	0.0001	0.0000	0.0000	0.0001	0.0101	0.0069	0.0064	0.0384	0.0620
45 mph	0.0001	0.0000	0.0000	0.0001	0.0077	0.0053	0.0046	0.0271	0.0448
50 mph	0.0001	0.0000	0.0000	0.0001	0.0075	0.0051	0.0072	0.0405	0.0605
55 mph	0.0000	0.0000	0.0000	0.0001	0.0060	0.0040	0.0018	0.0104	0.0223
60 mph	0.0001	0.0000	0.0000	0.0001	0.0124	0.0083	0.0020	0.0125	0.0354
65 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0012	-	-	0.0030
70 mph	-	-	-	-	-	-	-	-	-
total	0.0024	0.0001	0.0007	0.0037	0.2868	0.2022	0.1086	0.7207	1.3252

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0004)	(0.0000)	(0.0002)	0.0003	0.0301	0.0221	-	-	0.0519
15 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0164	0.0119	-	-	0.0281
20 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0083	0.0059	0.0146	0.0829	0.1116
25 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0116	0.0081	0.0197	0.1188	0.1582
30 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0187	0.0130	0.0268	0.1605	0.2188
35 mph	(0.0004)	(0.0000)	(0.0001)	0.0002	0.0359	0.0248	0.0215	0.1292	0.2111
40 mph	(0.0004)	(0.0000)	(0.0001)	0.0002	0.0354	0.0242	0.0165	0.0990	0.1747
45 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0261	0.0177	0.0107	0.0635	0.1177
50 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0285	0.0192	0.0052	0.0292	0.0818
55 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0157	0.0105	0.0028	0.0162	0.0451
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0098	0.0065	0.2220	1.3614	1.5996
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0038	0.0025	-	-	0.0063
70 mph	(0.0017)	(0.0001)	(0.0005)	0.0009	0.2496	0.1512	-	-	0.3994
total	(0.0046)	(0.0003)	(0.0013)	0.0025	0.4897	0.3177	0.3399	2.0607	3.2043

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0707	0.0516	0.0369	0.3284	0.4876
15 mph	0.0019	0.0000	0.0007	0.0004	0.0326	0.0237	0.0089	0.0720	0.1403
25 mph	-	-	-	-	0.0220	0.0154	0.0207	0.1247	0.1828
35 mph	0.0017	0.0001	0.0005	0.0003	-	-	-	-	0.0025
total	0.0036	0.0001	0.0011	0.0007	0.1253	0.0907	0.0666	0.5251	0.8132

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0707	0.0516	0.0369	0.3284	0.4876
10 mph	0.0002	0.0000	0.0001	0.0015	0.1018	0.0746	0.0234	0.2048	0.4063
15 mph	0.0018	0.0000	0.0006	0.0008	0.0646	0.0469	0.0134	0.1087	0.2369
20 mph	0.0000	0.0000	0.0000	0.0003	0.0241	0.0172	0.0209	0.1183	0.1807
25 mph	0.0003	0.0000	0.0001	0.0008	0.0888	0.0623	0.0669	0.4029	0.6221
30 mph	0.0002	0.0000	0.0000	0.0007	0.0676	0.0471	0.0458	0.2746	0.4361
35 mph	0.0015	0.0001	0.0004	0.0009	0.0700	0.0483	0.0284	0.1706	0.3203
40 mph	(0.0003)	(0.0000)	(0.0001)	0.0003	0.0454	0.0311	0.0229	0.1374	0.2368
45 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0338	0.0230	0.0153	0.0906	0.1625
50 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0360	0.0243	0.0124	0.0697	0.1423
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0217	0.0145	0.0045	0.0266	0.0673
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0002	0.0222	0.0149	0.2241	1.3738	1.6351
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0056	0.0037	-	-	0.0093
70 mph	(0.0017)	(0.0001)	(0.0005)	0.0009	0.2496	0.1512	-	-	0.3994
total	0.0014	(0.0001)	0.0005	0.0070	0.9018	0.6107	0.5150	3.3064	5.3427

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0525	0.0525
15 mph								0.0107	0.0107
20 mph								0.0133	0.0133
25 mph								0.0540	0.0540
30 mph								0.0378	0.0378
35 mph								0.0132	0.0132
40 mph								0.0115	0.0115
45 mph								0.0073	0.0073
50 mph								0.0098	0.0098
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.2099	0.2099

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0310	0.0310
25 mph								0.0402	0.0402
30 mph								0.0531	0.0531
35 mph								0.0412	0.0412
40 mph								0.0296	0.0296
45 mph								0.0172	0.0172
50 mph								0.0070	0.0070
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.1656	0.1656

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0008	0.0008
15 mph								0.0210	0.0210
25 mph								0.0422	0.0422
35 mph								-	-
total	-	-	-	-	-	-	-	0.0640	0.0640

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0008	0.0008
10 mph								0.0525	0.0525
15 mph								0.0316	0.0316
20 mph								0.0443	0.0443
25 mph								0.1364	0.1364
30 mph								0.0909	0.0909
35 mph								0.0544	0.0544
40 mph								0.0411	0.0411
45 mph								0.0245	0.0245
50 mph								0.0168	0.0168
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.4933	0.4933

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3295	0.9735	0.5552	0.6046	0.9556	0.8595	0.5149	1.1839
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3016	0.0671	0.1899	0.7878	0.4594	0.1290	0.1209	0.0020
Electric/NG	-	-	-	-	-	-	-	-
Total	**0.3016**	**0.0671**	**0.1899**	**0.7878**	**0.4594**	**0.1290**	**0.1209**	**0.0020**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.5175	1.1859	0.7305	0.8550	0.0936	0.0841	0.0699	0.1540
Electric/NG	0.0312	0.0310	0.0312	0.0313	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2368	0.0409	0.1249	0.5571	0.0225	0.0063	0.0082	0.0001
Electric/NG	0.0003	0.0000	0.0001	0.0002	-	-	-	-
Total	0.2371	0.0409	0.1250	0.5572	0.0225	0.0063	0.0082	0.0001

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2423	0.3914	0.3344	0.4284	0.1259	0.1230	0.2135	0.0013
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2218	0.0270	0.1143	0.5582	0.0605	0.0185	0.0502	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.2218	0.0270	0.1143	0.5582	0.0605	0.0185	0.0502	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.6575	0.2360	0.4400	0.3325	1.6660
10 mph	0.0095	0.0018	0.0057	0.0651	0.1373	0.0829	0.0555	0.2595	0.6174
15 mph	0.0909	0.0179	0.0548	0.0476	0.0932	0.0535	0.0345	0.1418	0.5342
20 mph	0.0019	0.0004	0.0012	0.0266	0.0395	0.0207	0.0545	0.1650	0.3098
25 mph	0.0252	0.0052	0.0154	0.0847	0.1506	0.0762	0.1687	0.5469	1.0730
30 mph	0.0131	0.0028	0.0081	0.0793	0.1143	0.0574	0.1134	0.3709	0.7593
35 mph	0.1212	0.0262	0.0751	0.1027	0.1179	0.0586	0.0707	0.2286	0.8009
40 mph	(0.0269)	(0.0059)	(0.0167)	0.0385	0.0769	0.0378	0.0589	0.1815	0.3442
45 mph	(0.0196)	(0.0042)	(0.0121)	0.0288	0.0575	0.0280	0.0395	0.1172	0.2350
50 mph	(0.0219)	(0.0048)	(0.0136)	0.0304	0.0618	0.0296	0.0327	0.0882	0.2026
55 mph	(0.0111)	(0.0024)	(0.0069)	0.0194	0.0377	0.0178	0.0114	0.0273	0.0931
60 mph	(0.0016)	(0.0003)	(0.0010)	0.0240	0.0394	0.0184	0.5579	1.4019	2.0385
65 mph	(0.0024)	(0.0005)	(0.0015)	0.0049	0.0099	0.0046	-	-	0.0151
70 mph	(0.1625)	(0.0402)	(0.1021)	0.1258	0.3856	0.1757	-	-	0.3823
RL+HS	0.3016	0.0671	0.1899	0.7878	0.4594	0.1290	0.1209	0.0020	2.0577
RL+DIURN	0.2371	0.0409	0.1250	0.5572	0.0225	0.0063	0.0082	0.0001	0.9973
STREX	0.2218	0.0270	0.1143	0.5582	0.0605	0.0185	0.0502	0.0000	1.0505
total	0.7762	0.1309	0.4356	2.5814	2.5217	1.0510	1.8170	3.8633	**13.1770**

World Logistics Center
Mobile Emissions - 2022 (Net) - Mitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.5540	1.5639	2.3899	36.0614
10 mph	0.0714	0.2118	0.1516	0.1903	0.2938	0.3166	0.7609	6.5943
15 mph	0.0628	0.1811	0.1315	0.1664	0.2621	0.2812	0.6672	5.9044
20 mph	0.0562	0.1596	0.1169	0.1490	0.2414	0.2564	0.6027	5.4444
25 mph	0.0509	0.1432	0.1049	0.1344	0.2247	0.2344	0.5391	5.1776
30 mph	0.0470	0.1319	0.0963	0.1240	0.2130	0.2188	0.4910	4.9763
35 mph	0.0440	0.1244	0.0899	0.1162	0.2053	0.2071	0.4548	4.8706
40 mph	0.0420	0.1197	0.0860	0.1117	0.2001	0.1998	0.4391	4.7679
45 mph	0.0408	0.1169	0.0836	0.1091	0.1963	0.1938	0.4173	4.7489
50 mph	0.0404	0.1188	0.0838	0.1096	0.1990	0.1934	0.4248	4.7664
55 mph	0.0409	0.1228	0.0854	0.1117	0.2023	0.1948	0.4185	4.9099
60 mph	0.0430	0.1316	0.0906	0.1189	0.2121	0.2056	0.4515	5.0314
65 mph	0.0447	0.1419	0.0949	0.1241	0.2236	0.2157		
70 mph	0.0447	0.1648	0.0976	0.1271	0.2448	0.2083		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					58.0696	58.3067	29.6521	28.6713
10 mph	0.1404	0.8351	0.1356	0.1148	1.4479	1.3440	4.6574	10.2503
15 mph	0.1150	0.8619	0.0966	0.0851	1.3639	1.2628	3.3253	7.2745
20 mph	0.0978	0.8942	0.0699	0.0653	1.3600	1.2514	2.6670	5.1397
25 mph	0.0900	0.9309	0.0579	0.0572	1.4154	1.2836	2.0967	4.3758
30 mph	0.0865	0.9702	0.0519	0.0538	1.4857	1.3352	1.5870	3.3363
35 mph	0.0841	1.0110	0.0484	0.0524	1.5847	1.4039	1.1836	2.5211
40 mph	0.0842	1.0530	0.0462	0.0515	1.6683	1.4690	0.8871	1.9317
45 mph	0.0852	1.0959	0.0445	0.0508	1.7429	1.5272	0.6970	1.5608
50 mph	0.0874	1.1392	0.0444	0.0514	1.8535	1.6183	0.6166	1.3777
55 mph	0.0883	1.1875	0.0437	0.0518	1.9124	1.6676	0.6421	1.5250
60 mph	0.0917	1.2315	0.0438	0.0524	1.9368	1.7008	0.7789	1.7526
65 mph	0.0915	1.2764	0.0449	0.0549	2.1422	1.8572		
70 mph	0.0911	1.3116	0.0596	0.0663	3.0987	2.4719		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								38.2983
10 mph								5.8743
15 mph								4.4061
20 mph								3.4891
25 mph								3.0687
30 mph								2.8180
35 mph								2.6276
40 mph								2.4816
45 mph								2.3714
50 mph								2.2919
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0374	0.0083	0.0296	0.0851	0.0580	0.0195	0.0849	0.0053	0.3282
15 mph	0.0131	0.0029	0.0103	0.0298	0.0207	0.0069	0.0248	0.0016	0.1101
20 mph	0.0235	0.0050	0.0183	0.0533	0.0381	0.0126	0.0448	0.0029	0.1987
25 mph	0.1066	0.0226	0.0821	0.2406	0.1775	0.0578	0.2206	0.0154	0.9230
30 mph	0.1082	0.0229	0.0828	0.2441	0.1850	0.0593	0.1826	0.0134	0.8984
35 mph	0.0829	0.0177	0.0633	0.1872	0.1459	0.0460	0.0761	0.0059	0.6249
40 mph	0.0264	0.0057	0.0202	0.0600	0.0474	0.0148	0.0816	0.0064	0.2625
45 mph	0.0213	0.0046	0.0164	0.0488	0.0388	0.0120	0.0621	0.0051	0.2090
50 mph	0.0212	0.0047	0.0164	0.0490	0.0393	0.0119	0.1027	0.0084	0.2535
55 mph	0.0171	0.0039	0.0134	0.0400	0.0320	0.0096	0.0234	0.0020	0.1413
60 mph	0.0360	0.0083	0.0284	0.0851	0.0670	0.0203	0.0252	0.0020	0.2723
65 mph	0.0047	0.0011	0.0037	0.0111	0.0088	0.0027	-	-	0.0321
70 mph	-	-	-	-	-	-	-	-	-
total	0.4984	0.1076	0.3848	1.1341	0.8585	0.2734	0.9288	0.0685	4.2541

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0241)	(0.0054)	(0.0191)	0.0209	0.0244	0.0082	-	-	0.0049
15 mph	(0.0212)	(0.0046)	(0.0166)	0.0183	0.0218	0.0073	-	-	0.0049
20 mph	(0.0190)	(0.0041)	(0.0148)	0.0164	0.0200	0.0066	0.1050	0.0069	0.1171
25 mph	(0.0344)	(0.0073)	(0.0265)	0.0296	0.0373	0.0121	0.1644	0.0114	0.1867
30 mph	(0.0635)	(0.0134)	(0.0486)	0.0546	0.0707	0.0227	0.2566	0.0189	0.2979
35 mph	(0.1338)	(0.0285)	(0.1022)	0.1151	0.1533	0.0483	0.2378	0.0185	0.3085
40 mph	(0.1419)	(0.0305)	(0.1086)	0.1229	0.1661	0.0518	0.2104	0.0166	0.2866
45 mph	(0.1102)	(0.0238)	(0.0845)	0.0960	0.1303	0.0402	0.1454	0.0120	0.2055
50 mph	(0.1230)	(0.0272)	(0.0952)	0.1085	0.1486	0.0451	0.0740	0.0060	0.1368
55 mph	(0.0692)	(0.0156)	(0.0539)	0.0615	0.0840	0.0252	0.0365	0.0031	0.0715
60 mph	(0.0436)	(0.0100)	(0.0343)	0.0393	0.0528	0.0160	2.7533	0.2225	2.9959
65 mph	(0.0151)	(0.0036)	(0.0120)	0.0137	0.0186	0.0056	-	-	0.0071
70 mph	(0.6953)	(0.1929)	(0.5666)	0.6431	0.9346	0.2482	-	-	0.3711
total	(1.4943)	(0.3669)	(1.1830)	1.3397	1.8624	0.5374	3.9834	0.3159	4.9945

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0512	0.0161	0.0358	0.0056	0.1087
15 mph	0.1743	0.0379	0.1365	0.0513	0.0434	0.0145	0.0488	0.0031	0.5098
25 mph	-	-	-	-	0.0706	0.0230	0.1725	0.0120	0.2781
35 mph	0.5256	0.1120	0.4016	0.1416	-	-	-	-	1.1809
total	0.7000	0.1499	0.5381	0.1929	0.1652	0.0536	0.2571	0.0207	2.0775

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0512	0.0161	0.0358	0.0056	0.1087
10 mph	0.0132	0.0030	0.0105	0.1061	0.0824	0.0277	0.0849	0.0053	0.3331
15 mph	0.1663	0.0361	0.1302	0.0994	0.0858	0.0287	0.0736	0.0047	0.6248
20 mph	0.0045	0.0010	0.0035	0.0697	0.0582	0.0193	0.1498	0.0098	0.3159
25 mph	0.0722	0.0153	0.0556	0.2702	0.2854	0.0929	0.5574	0.0388	1.3877
30 mph	0.0447	0.0094	0.0342	0.2987	0.2557	0.0820	0.4392	0.0323	1.1963
35 mph	0.4747	0.1011	0.3627	0.4439	0.2992	0.0943	0.3139	0.0244	2.1142
40 mph	(0.1156)	(0.0248)	(0.0885)	0.1828	0.2135	0.0666	0.2920	0.0230	0.5491
45 mph	(0.0889)	(0.0192)	(0.0681)	0.1449	0.1691	0.0521	0.2075	0.0171	0.4145
50 mph	(0.1018)	(0.0225)	(0.0788)	0.1575	0.1879	0.0570	0.1767	0.0144	0.3904
55 mph	(0.0520)	(0.0118)	(0.0406)	0.1014	0.1159	0.0349	0.0598	0.0051	0.2128
60 mph	(0.0076)	(0.0017)	(0.0060)	0.1244	0.1198	0.0363	2.7785	0.2245	3.2682
65 mph	(0.0104)	(0.0025)	(0.0083)	0.0248	0.0274	0.0083	-	-	0.0392
70 mph	(0.6953)	(0.1929)	(0.5666)	0.6431	0.9346	0.2482	-	-	0.3711
total	(0.2960)	(0.1095)	(0.2601)	2.6668	2.8861	0.8644	5.1693	0.4051	11.3261

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0002	0.0011	0.1932	0.1309	2.5119	10.5831	13.4211
15 mph	0.0002	0.0000	0.0000	0.0003	0.0728	0.0492	0.5978	2.5036	3.2240
20 mph	0.0004	0.0000	0.0001	0.0005	0.1452	0.0975	0.9589	3.5377	4.7403
25 mph	0.0017	0.0001	0.0003	0.0022	0.7554	0.5002	4.1464	16.5656	21.9719
30 mph	0.0018	0.0001	0.0003	0.0022	0.8722	0.5724	2.8531	11.4822	15.7842
35 mph	0.0014	0.0001	0.0002	0.0018	0.7612	0.4924	0.9575	3.9044	6.1191
40 mph	0.0005	0.0000	0.0001	0.0006	0.2671	0.1717	0.7974	3.3241	4.5615
45 mph	0.0004	0.0000	0.0001	0.0005	0.2325	0.1488	0.5012	2.1486	3.0322
50 mph	0.0004	0.0000	0.0001	0.0005	0.2473	0.1577	0.7205	3.0820	4.2085
55 mph	0.0003	0.0000	0.0000	0.0004	0.2041	0.1300	0.1732	0.7872	1.2953
60 mph	0.0007	0.0000	0.0001	0.0008	0.4134	0.2651	0.2101	0.9047	1.7950
65 mph	0.0001	0.0000	0.0000	0.0001	0.0572	0.0362	-	-	0.0936
70 mph	-	-	-	-	-	-	-	-	-
total	0.0086	0.0004	0.0014	0.0109	4.2216	2.7522	14.4281	58.8233	80.2465

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0004)	(0.0000)	(0.0001)	0.0003	0.0812	0.0550	-	-	0.1359
15 mph	(0.0004)	(0.0000)	(0.0001)	0.0002	0.0765	0.0517	-	-	0.1280
20 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0763	0.0512	2.2463	8.2871	10.6607
25 mph	(0.0005)	(0.0000)	(0.0001)	0.0003	0.1587	0.1051	3.0905	12.3470	15.7010
30 mph	(0.0011)	(0.0001)	(0.0002)	0.0005	0.3333	0.2187	4.0100	16.1382	20.6993
35 mph	(0.0023)	(0.0001)	(0.0003)	0.0011	0.7998	0.5174	2.9907	12.1948	16.5011
40 mph	(0.0026)	(0.0001)	(0.0004)	0.0012	0.9355	0.6015	2.0547	8.5653	12.1552
45 mph	(0.0021)	(0.0001)	(0.0003)	0.0009	0.7819	0.5003	1.1742	5.0331	7.4880
50 mph	(0.0024)	(0.0001)	(0.0003)	0.0011	0.9355	0.5964	0.5193	2.2214	4.2709
55 mph	(0.0013)	(0.0001)	(0.0002)	0.0006	0.5362	0.3414	0.2704	1.2294	2.3764
60 mph	(0.0008)	(0.0000)	(0.0001)	0.0004	0.3258	0.2089	22.9621	98.9016	122.3978
65 mph	(0.0003)	(0.0000)	(0.0000)	0.0001	0.1201	0.0760	-	-	0.1960
70 mph	(0.0128)	(0.0008)	(0.0022)	0.0071	7.9932	4.6563	-	-	12.6408
total	(0.0273)	(0.0016)	(0.0043)	0.0139	13.1539	7.9802	39.3182	164.9181	225.3511

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.2931	0.9481	2.1496	3.9790	8.3699
15 mph	0.0029	0.0001	0.0006	0.0006	0.1525	0.1031	1.1752	4.9213	6.3562
25 mph	-	-	-	-	0.3005	0.1990	3.2424	12.9542	16.6962
35 mph	0.0091	0.0005	0.0014	0.0014	-	-	-	-	0.0123
total	0.0119	0.0006	0.0020	0.0019	1.7461	1.2502	6.5672	21.8545	31.4346

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.2931	0.9481	2.1496	3.9790	8.3699
10 mph	0.0002	0.0000	0.0001	0.0014	0.2744	0.1860	2.5119	10.5831	13.5570
15 mph	0.0027	0.0001	0.0006	0.0011	0.3018	0.2040	1.7730	7.4249	9.7081
20 mph	0.0001	0.0000	0.0000	0.0006	0.2214	0.1488	3.2052	11.8248	15.4010
25 mph	0.0012	0.0001	0.0002	0.0024	1.2147	0.8044	10.4793	41.8669	54.3690
30 mph	0.0007	0.0000	0.0001	0.0027	1.2055	0.7911	6.8631	27.6203	36.4836
35 mph	0.0082	0.0004	0.0012	0.0042	1.5610	1.0098	3.9483	16.0993	22.6324
40 mph	(0.0021)	(0.0001)	(0.0003)	0.0018	1.2026	0.7733	2.8521	11.8894	16.7168
45 mph	(0.0017)	(0.0001)	(0.0002)	0.0014	1.0144	0.6491	1.6754	7.1818	10.5201
50 mph	(0.0020)	(0.0001)	(0.0003)	0.0016	1.1828	0.7541	1.2399	5.3034	8.4793
55 mph	(0.0010)	(0.0001)	(0.0001)	0.0010	0.7403	0.4714	0.4436	2.0166	3.6717
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0012	0.7393	0.4741	23.1721	99.8063	124.1928
65 mph	(0.0002)	(0.0000)	(0.0000)	0.0002	0.1773	0.1122	-	-	0.2895
70 mph	(0.0128)	(0.0008)	(0.0022)	0.0071	7.9932	4.6563	-	-	12.6408
total	(0.0067)	(0.0006)	(0.0009)	0.0268	19.1216	11.9827	60.3135	245.5958	337.0322

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.3060	0.3060
15 mph								0.0765	0.0765
20 mph								0.1212	0.1212
25 mph								0.5862	0.5862
30 mph								0.4894	0.4894
35 mph								0.2053	0.2053
40 mph								0.2155	0.2155
45 mph								0.1647	0.1647
50 mph								0.2587	0.2587
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.4236	2.4236

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.2839	0.2839
25 mph								0.4369	0.4369
30 mph								0.6878	0.6878
35 mph								0.6413	0.6413
40 mph								0.5552	0.5552
45 mph								0.3859	0.3859
50 mph								0.1865	0.1865
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.0499	2.0499

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.2682	0.2682
15 mph								0.1504	0.1504
25 mph								0.4584	0.4584
35 mph								-	-
total	-	-	-	-	-	-	-	0.8770	0.8770

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.2682	0.2682
10 mph								0.3060	0.3060
15 mph								0.2269	0.2269
20 mph								0.4051	0.4051
25 mph								1.4815	1.4815
30 mph								1.1772	1.1772
35 mph								0.8467	0.8467
40 mph								0.7707	0.7707
45 mph								0.5506	0.5506
50 mph								0.4452	0.4452
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	6.4781	6.4781

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.3443	0.9642	2.1855	4.2528	8.7468
10 mph	0.0135	0.0030	0.0106	0.1074	0.3568	0.2137	2.5968	10.8945	14.1962
15 mph	0.1690	0.0362	0.1308	0.1004	0.3876	0.2328	1.8466	7.6565	10.5599
20 mph	0.0046	0.0010	0.0035	0.0704	0.2796	0.1681	3.3551	12.2397	16.1219
25 mph	0.0733	0.0153	0.0558	0.2726	1.5000	0.8973	11.0367	43.3873	57.2383
30 mph	0.0454	0.0095	0.0343	0.3014	1.4612	0.8731	7.3023	28.8298	38.8571
35 mph	0.4829	0.1016	0.3640	0.4481	1.8602	1.1041	4.2621	16.9703	25.5933
40 mph	(0.1177)	(0.0249)	(0.0888)	0.1846	1.4161	0.8398	3.1442	12.6831	18.0365
45 mph	(0.0905)	(0.0193)	(0.0684)	0.1463	1.1835	0.7012	1.8829	7.7495	11.4852
50 mph	(0.1038)	(0.0226)	(0.0791)	0.1591	1.3707	0.8111	1.4166	5.7630	9.3149
55 mph	(0.0530)	(0.0118)	(0.0407)	0.1024	0.8562	0.5063	0.5034	2.0217	3.8845
60 mph	(0.0077)	(0.0018)	(0.0060)	0.1256	0.8591	0.5103	25.9506	100.0309	127.4610
65 mph	(0.0106)	(0.0025)	(0.0083)	0.0250	0.2047	0.1205	-	-	0.3288
70 mph	(0.7081)	(0.1937)	(0.5688)	0.6502	8.9278	4.9046	-	-	13.0119
STREX	0.1771	0.0191	0.1045	0.4843	0.2445	0.0776	1.9759	4.3388	7.4218
total	(0.1257)	(0.0909)	(0.1566)	3.1778	22.2522	12.9247	67.4588	256.8178	**362.2582**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1935	0.2771	0.3055	0.3716	0.5086	0.5173	0.3592	0.6120
Diesel	-	-	-	-	-	-	1.6660	1.9958
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1771	0.0191	0.1045	0.4843	0.2445	0.0776	0.0844	0.0010
Diesel	-	-	-	-	-	-	1.8916	4.3378
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1771	0.0191	0.1045	0.4843	0.2445	0.0776	1.9759	4.3388

World Logistics Center
Mobile Emissions - 2022 (Net) - Mitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					153.9246	154.2272	384.4132	419.7456
10 mph	1.2381	2.6123	1.7670	2.1818	1.7712	1.2327	3.3253	71.6381
15 mph	1.1249	2.3093	1.5890	1.9281	1.4218	1.0404	2.8862	61.1359
20 mph	1.0248	2.0674	1.4387	1.7234	1.1974	0.9059	2.5859	53.6545
25 mph	0.9342	1.8648	1.3036	1.5433	1.0290	0.7888	2.2807	48.1871
30 mph	0.8544	1.6970	1.1874	1.3970	0.9121	0.7032	2.0315	43.7928
35 mph	0.7838	1.5609	1.0869	1.2742	0.8341	0.6381	1.8306	40.4289
40 mph	0.7270	1.4519	0.5885	1.1843	0.7914	0.6000	1.7197	37.8520
45 mph	0.6788	1.3577	0.9419	1.1129	0.7659	0.5674	1.5775	36.0277
50 mph	0.6356	1.2933	0.8869	1.0594	0.7772	0.5555	1.5470	34.6774
55 mph	0.5926	1.2249	0.8304	1.0077	0.8009	0.5453	1.4439	34.2957
60 mph	0.5472	1.1520	0.7723	0.9713	0.8758	0.5715	1.4741	34.4994
65 mph	0.5084	1.1080	0.7237	0.9337	1.0173	0.6274		
70 mph	0.4827	1.1863	0.7021	0.8795	1.0171	0.5208		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	21.1148	33.9490
10 mph	2.3639	2.8094	1.6827	2.4511	2.0788	2.1088	0.4908	1.5909
15 mph	1.1891	1.9396	0.8324	1.2071	1.1520	1.1528	0.2693	0.8577
20 mph	0.5026	1.4078	0.3353	0.4843	0.6154	0.6003	0.1807	0.4939
25 mph	0.3189	1.1443	0.2065	0.2987	0.4501	0.4313	0.1377	0.3976
30 mph	0.2475	0.9949	0.1581	0.2296	0.3768	0.3577	0.1053	0.3041
35 mph	0.2023	0.9144	0.1278	0.1864	0.3375	0.3160	0.0793	0.2294
40 mph	0.1735	0.8813	0.1076	0.1568	0.3157	0.2927	0.0594	0.1727
45 mph	0.1550	0.8926	0.0936	0.1360	0.3094	0.2840	0.0454	0.1327
50 mph	0.1442	0.9534	0.0846	0.1222	0.3234	0.2939	0.0375	0.1077
55 mph	0.1388	1.0775	0.0784	0.1129	0.3486	0.3141	0.0353	0.1035
60 mph	0.1459	1.2717	0.0784	0.1122	0.3930	0.3540	0.0392	0.1114
65 mph	0.1595	1.6068	0.0842	0.1207	0.5082	0.4505		
70 mph	0.1629	1.9447	0.1028	0.1365	0.7954	0.6528		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								31.6921
10 mph								33.1789
15 mph								23.3516
20 mph								16.8832
25 mph								12.3795
30 mph								9.1327
35 mph								6.7401
40 mph								4.9773
45 mph								3.6788
50 mph								2.7228
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.6480	0.1030	0.3456	0.9761	0.3497	0.0760	0.3710	0.0580	2.9274
15 mph	0.2355	0.0364	0.1243	0.3450	0.1123	0.0257	0.1073	0.0165	1.0030
20 mph	0.4291	0.0652	0.2251	0.6168	0.1892	0.0447	0.1924	0.0289	1.7913
25 mph	1.9558	0.2940	1.0197	2.7618	0.8127	0.1945	0.9331	0.1430	8.1147
30 mph	1.9676	0.2943	1.0218	2.7500	0.7924	0.1907	0.7556	0.1181	7.8905
35 mph	1.4769	0.2215	0.7652	2.0521	0.5929	0.1416	0.3064	0.0491	5.6057
40 mph	0.4566	0.0687	0.1381	0.6358	0.1875	0.0444	0.3198	0.0510	1.9019
45 mph	0.3553	0.0535	0.1842	0.4979	0.1512	0.0350	0.2347	0.0389	1.5506
50 mph	0.3327	0.0510	0.1734	0.4739	0.1535	0.0342	0.3740	0.0608	1.6535
55 mph	0.2482	0.0386	0.1299	0.3607	0.1265	0.0269	0.0806	0.0139	1.0252
60 mph	0.4583	0.0726	0.2416	0.6953	0.2767	0.0564	0.0822	0.0140	1.8971
65 mph	0.0532	0.0087	0.0283	0.0835	0.0402	0.0077	-	-	0.2217
70 mph	-	-	-	-	-	-	-	-	-
total	8.6172	1.3074	4.3972	12.2491	3.7848	0.8778	3.7570	0.5921	35.5826

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.4184)	(0.0665)	(0.2231)	0.2401	0.1470	0.0319	-	-	(0.2890)
15 mph	(0.3801)	(0.0588)	(0.2006)	0.2121	0.1180	0.0270	-	-	(0.2825)
20 mph	(0.3463)	(0.0526)	(0.1817)	0.1896	0.0994	0.0235	0.4506	0.0678	0.2502
25 mph	(0.6314)	(0.0949)	(0.3292)	0.3396	0.1708	0.0409	0.6955	0.1066	0.2978
30 mph	(1.1549)	(0.1727)	(0.5997)	0.6148	0.3028	0.0729	1.0619	0.1660	0.2910
35 mph	(2.3841)	(0.3575)	(1.2352)	1.2617	0.6230	0.1488	0.9569	0.1532	(0.8331)
40 mph	(2.4568)	(0.3695)	(0.7431)	1.3030	0.6567	0.1555	0.8241	0.1315	(0.4987)
45 mph	(1.8351)	(0.2764)	(0.9515)	0.9795	0.5085	0.1176	0.5497	0.0910	(0.8165)
50 mph	(1.9333)	(0.2962)	(1.0079)	1.0490	0.5805	0.1295	0.2696	0.0438	(1.1649)
55 mph	(1.0014)	(0.1558)	(0.5243)	0.5544	0.3323	0.0706	0.1258	0.0217	(0.5767)
60 mph	(0.5548)	(0.0879)	(0.2925)	0.3206	0.2180	0.0444	8.9898	1.5257	10.1633
65 mph	(0.1718)	(0.0282)	(0.0914)	0.1027	0.0844	0.0163	-	-	(0.0880)
70 mph	(7.5043)	(1.3887)	(4.0782)	4.4512	3.8828	0.6208	-	-	(4.0163)
total	(20.7727)	(3.4057)	(10.4584)	11.6183	7.7242	1.4996	13.9239	2.3073	2.4366

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	5.0726	1.5869	5.7654	0.0651	12.4899
15 mph	3.1248	0.4830	1.6493	0.5944	0.2352	0.0537	0.2110	0.0324	6.3839
25 mph	-	-	-	-	0.3234	0.0774	0.7297	0.1118	1.2422
35 mph	9.3687	1.4048	4.8541	1.5529	-	-	-	-	17.1805
total	12.4935	1.8878	6.5034	2.1473	5.6312	1.7180	6.7061	0.2093	37.2966

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	5.0726	1.5869	5.7654	0.0651	12.4899
10 mph	0.2296	0.0365	0.1224	1.2162	0.4967	0.1079	0.3710	0.0580	2.6383
15 mph	2.9801	0.4607	1.5730	1.1515	0.4655	0.1064	0.3184	0.0489	7.1045
20 mph	0.0828	0.0126	0.0434	0.8064	0.2885	0.0682	0.6430	0.0967	2.0416
25 mph	1.3244	0.1991	0.6905	3.1014	1.3069	0.3128	2.3582	0.3613	9.6546
30 mph	0.8127	0.1215	0.4220	3.3648	1.0952	0.2636	1.8175	0.2841	8.1814
35 mph	8.4616	1.2688	4.3841	4.8667	1.2159	0.2904	1.2633	0.2023	21.9532
40 mph	(2.0002)	(0.3008)	(0.6050)	1.9387	0.8443	0.1998	1.1439	0.1826	1.4032
45 mph	(1.4798)	(0.2229)	(0.7673)	1.4774	0.6597	0.1526	0.7844	0.1299	0.7341
50 mph	(1.6006)	(0.2452)	(0.8344)	1.5230	0.7339	0.1638	0.6435	0.1046	0.4886
55 mph	(0.7533)	(0.1172)	(0.3943)	0.9151	0.4589	0.0975	0.2063	0.0355	0.4485
60 mph	(0.0965)	(0.0153)	(0.0509)	1.0159	0.4947	0.1008	9.0721	1.5396	12.0604
65 mph	(0.1186)	(0.0195)	(0.0631)	0.1863	0.1246	0.0240	-	-	0.1337
70 mph	(7.5043)	(1.3887)	(4.0782)	4.4512	3.8828	0.6208	-	-	(4.0163)
total	0.3379	(0.2105)	0.4423	26.0147	17.1402	4.0955	24.3870	3.1086	75.3158

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0112	0.0001	0.0021	0.0232	0.2774	0.2055	0.2647	1.6425	2.4266
15 mph	0.0022	0.0000	0.0004	0.0046	0.0615	0.0449	0.0484	0.2952	0.4572
20 mph	0.0019	0.0000	0.0003	0.0037	0.0657	0.0468	0.0650	0.3399	0.5233
25 mph	0.0060	0.0001	0.0010	0.0113	0.2402	0.1681	0.2722	1.5050	2.2040
30 mph	0.0051	0.0001	0.0009	0.0096	0.2212	0.1534	0.1894	1.0464	1.6261
35 mph	0.0034	0.0001	0.0006	0.0064	0.1621	0.1108	0.0641	0.3553	0.7028
40 mph	0.0010	0.0000	0.0002	0.0018	0.0505	0.0342	0.0534	0.2972	0.4383
45 mph	0.0007	0.0000	0.0001	0.0013	0.0413	0.0277	0.0327	0.1826	0.2864
50 mph	0.0007	0.0000	0.0001	0.0012	0.0432	0.0286	0.0438	0.2410	0.3585
55 mph	0.0005	0.0000	0.0001	0.0009	0.0372	0.0245	0.0095	0.0534	0.1261
60 mph	0.0011	0.0000	0.0002	0.0017	0.0839	0.0552	0.0106	0.0575	0.2102
65 mph	0.0002	0.0000	0.0000	0.0002	0.0136	0.0088	-	-	0.0227
70 mph	-	-	-	-	-	-	-	-	-
total	0.0341	0.0005	0.0059	0.0657	1.2977	0.9084	1.0537	6.0162	9.3822

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0072)	(0.0000)	(0.0013)	0.0057	0.1166	0.0864	-	-	0.2000
15 mph	(0.0036)	(0.0000)	(0.0007)	0.0028	0.0646	0.0472	-	-	0.1103
20 mph	(0.0015)	(0.0000)	(0.0003)	0.0011	0.0345	0.0246	0.1522	0.7963	1.0069
25 mph	(0.0019)	(0.0000)	(0.0003)	0.0014	0.0505	0.0353	0.2029	1.1218	1.4096
30 mph	(0.0030)	(0.0001)	(0.0005)	0.0021	0.0845	0.0586	0.2662	1.4708	1.8786
35 mph	(0.0055)	(0.0001)	(0.0009)	0.0039	0.1703	0.1164	0.2003	1.1097	1.5941
40 mph	(0.0053)	(0.0001)	(0.0009)	0.0037	0.1770	0.1199	0.1375	0.7658	1.1976
45 mph	(0.0038)	(0.0001)	(0.0006)	0.0025	0.1388	0.0930	0.0765	0.4278	0.7343
50 mph	(0.0040)	(0.0001)	(0.0006)	0.0026	0.1632	0.1083	0.0315	0.1737	0.4747
55 mph	(0.0021)	(0.0001)	(0.0003)	0.0013	0.0977	0.0643	0.0149	0.0834	0.2592
60 mph	(0.0013)	(0.0001)	(0.0002)	0.0008	0.0661	0.0435	1.1552	6.2886	7.5526
65 mph	(0.0005)	(0.0000)	(0.0001)	0.0003	0.0285	0.0184	-	-	0.0466
70 mph	(0.0228)	(0.0012)	(0.0038)	0.0146	2.0519	1.2297	-	-	3.2684
total	(0.0626)	(0.0020)	(0.0105)	0.0429	3.2443	2.0457	2.2372	12.2379	19.7329

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.5857	0.4277	1.5307	4.7114	7.2555
15 mph	0.0298	0.0002	0.0055	0.0079	0.1288	0.0941	0.0952	0.5802	0.9417
25 mph	-	-	-	-	0.0956	0.0669	0.2129	1.1769	1.5523
35 mph	0.0218	0.0004	0.0036	0.0048	-	-	-	-	0.0307
total	0.0516	0.0006	0.0091	0.0127	0.8100	0.5887	1.8388	6.4686	9.7801

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.5857	0.4277	1.5307	4.7114	7.2555
10 mph	0.0040	0.0000	0.0007	0.0289	0.3939	0.2918	0.2647	1.6425	2.6266
15 mph	0.0284	0.0002	0.0052	0.0153	0.2549	0.1863	0.1436	0.8754	1.5092
20 mph	0.0004	0.0000	0.0001	0.0048	0.1002	0.0714	0.2171	1.1363	1.5302
25 mph	0.0041	0.0001	0.0007	0.0127	0.3863	0.2703	0.6881	3.8037	5.1658
30 mph	0.0021	0.0000	0.0004	0.0117	0.3058	0.2119	0.4556	2.5172	3.5047
35 mph	0.0197	0.0004	0.0033	0.0151	0.3324	0.2273	0.2644	1.4650	2.3275
40 mph	(0.0043)	(0.0001)	(0.0007)	0.0054	0.2276	0.1541	0.1909	1.0630	1.6359
45 mph	(0.0030)	(0.0001)	(0.0005)	0.0038	0.1801	0.1207	0.1092	0.6105	1.0207
50 mph	(0.0033)	(0.0001)	(0.0005)	0.0037	0.2064	0.1369	0.0753	0.4146	0.8331
55 mph	(0.0016)	(0.0001)	(0.0002)	0.0022	0.1349	0.0888	0.0244	0.1369	0.3853
60 mph	(0.0002)	(0.0000)	(0.0000)	0.0025	0.1500	0.0987	1.1658	6.3461	7.7628
65 mph	(0.0003)	(0.0000)	(0.0000)	0.0005	0.0421	0.0272	-	-	0.0694
70 mph	(0.0228)	(0.0012)	(0.0038)	0.0146	2.0519	1.2297	-	-	3.2684
total	0.0230	(0.0008)	0.0046	0.1213	5.3520	3.5427	5.1297	24.7226	38.8951

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1.7285	1.7285
15 mph								0.4055	0.4055
20 mph								0.5864	0.5864
25 mph								2.3648	2.3648
30 mph								1.5860	1.5860
35 mph								0.5267	0.5267
40 mph								0.4322	0.4322
45 mph								0.2555	0.2555
50 mph								0.3073	0.3073
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	8.1930	8.1930

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1.3736	1.3736
25 mph								1.7626	1.7626
30 mph								2.2291	2.2291
35 mph								1.6451	1.6451
40 mph								1.1136	1.1136
45 mph								0.5986	0.5986
50 mph								0.2215	0.2215
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	7.0104	7.0104

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.2219	0.2219
15 mph								0.7971	0.7971
25 mph								1.8493	1.8493
35 mph								-	-
total	-	-	-	-	-	-	-	2.8683	2.8683

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.2219	0.2219
10 mph								1.7285	1.7285
15 mph								1.2027	1.2027
20 mph								1.9600	1.9600
25 mph								5.9766	5.9766
30 mph								3.8151	3.8151
35 mph								2.1718	2.1718
40 mph								1.5458	1.5458
45 mph								0.8541	0.8541
50 mph								0.5289	0.5289
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	20.0054	20.0054

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	5.6583	2.0145	7.2961	4.9984	19.9673
10 mph	0.2336	0.0365	0.1232	1.2451	0.8906	0.3997	0.6357	3.4290	6.9935
15 mph	3.0085	0.4609	1.5782	1.1668	0.7204	0.2926	0.4619	2.1270	9.8163
20 mph	0.0831	0.0126	0.0435	0.8112	0.3887	0.1395	0.8601	3.1930	5.5317
25 mph	1.3285	0.1991	0.6912	3.1142	1.6932	0.5831	3.0463	10.1416	20.7971
30 mph	0.8148	0.1216	0.4224	3.3765	1.4010	0.4756	2.2731	6.6164	15.5012
35 mph	8.4813	1.2692	4.3874	4.8818	1.5483	0.5177	1.5277	3.8392	26.4525
40 mph	(2.0045)	(0.3009)	(0.6057)	1.9442	1.0718	0.3539	1.3347	2.7914	4.5848
45 mph	(1.4828)	(0.2230)	(0.7677)	1.4813	0.8398	0.2733	0.8936	1.5945	2.6089
50 mph	(1.6039)	(0.2453)	(0.8349)	1.5267	0.9403	0.3007	0.7189	1.0481	1.8506
55 mph	(0.7548)	(0.1173)	(0.3946)	0.9172	0.5938	0.1863	0.2307	0.1724	0.8338
60 mph	(0.0968)	(0.0153)	(0.0509)	1.0184	0.6447	0.1995	10.2379	7.8857	19.8232
65 mph	(0.1189)	(0.0195)	(0.0631)	0.1868	0.1667	0.0512	-	-	0.2031
70 mph	(7.5271)	(1.3899)	(4.0819)	4.4658	5.9347	1.8505	-	-	(0.7479)
STREX	1.9600	0.1598	0.9333	4.1755	0.8339	0.2561	1.0365	0.0084	9.3635
total	2.3210	(0.0514)	1.3801	30.3115	23.3261	7.8943	30.5531	47.8451	**143.5798**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.1415	2.3194	2.7290	3.2042	1.7345	1.7061	4.4126	4.9305
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.9600	0.1598	0.9333	4.1755	0.8339	0.2561	1.0365	0.0084
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	1.9600	0.1598	0.9333	4.1755	0.8339	0.2561	1.0365	0.0084

World Logistics Center
Mobile Emissions - 2022 (Net) - Mitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0565	0.0565	0.1433	0.2403
10 mph	0.0050	0.0059	0.0063	0.0078	0.0150	0.0173	0.0314	0.0391
15 mph	0.0041	0.0048	0.0052	0.0063	0.0123	0.0141	0.0257	0.0320
20 mph	0.0034	0.0040	0.0043	0.0053	0.0102	0.0117	0.0213	0.0266
25 mph	0.0029	0.0034	0.0037	0.0045	0.0087	0.0100	0.0182	0.0228
30 mph	0.0026	0.0030	0.0033	0.0040	0.0078	0.0089	0.0162	0.0202
35 mph	0.0024	0.0028	0.0030	0.0037	0.0072	0.0083	0.0150	0.0187
40 mph	0.0023	0.0027	0.0029	0.0036	0.0070	0.0080	0.0145	0.0181
45 mph	0.0024	0.0027	0.0030	0.0036	0.0070	0.0080	0.0146	0.0181
50 mph	0.0024	0.0028	0.0030	0.0037	0.0072	0.0083	0.0150	0.0186
55 mph	0.0025	0.0029	0.0032	0.0039	0.0075	0.0086	0.0156	0.0194
60 mph	0.0026	0.0030	0.0033	0.0040	0.0078	0.0090	0.0162	0.0202
65 mph	0.0027	0.0031	0.0033	0.0041	0.0080	0.0092		
70 mph	0.0027	0.0032	0.0034	0.0042	0.0082	0.0093		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0361	0.0580	0.0610	0.0563
10 mph	0.0040	0.0085	0.0055	0.0068	0.0094	0.0105	0.0185	0.0321
15 mph	0.0033	0.0070	0.0045	0.0058	0.0061	0.0070	0.0147	0.0231
20 mph	0.0027	0.0058	0.0037	0.0048	0.0052	0.0060	0.0125	0.0189
25 mph	0.0023	0.0048	0.0031	0.0041	0.0046	0.0053	0.0110	0.0163
30 mph	0.0020	0.0042	0.0027	0.0035	0.0042	0.0048	0.0098	0.0144
35 mph	0.0018	0.0037	0.0024	0.0032	0.0042	0.0048	0.0088	0.0134
40 mph	0.0017	0.0035	0.0023	0.0030	0.0041	0.0046	0.0081	0.0122
45 mph	0.0016	0.0034	0.0022	0.0029	0.0040	0.0045	0.0077	0.0115
50 mph	0.0016	0.0034	0.0022	0.0029	0.0042	0.0046	0.0076	0.0111
55 mph	0.0017	0.0035	0.0023	0.0030	0.0044	0.0048	0.0077	0.0113
60 mph	0.0018	0.0038	0.0025	0.0033	0.0044	0.0048	0.0081	0.0118
65 mph	0.0021	0.0042	0.0028	0.0037	0.0045	0.0048		
70 mph	0.0022	0.0044	0.0030	0.0041	0.0046	0.0049		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0026	0.0002	0.0012	0.0035	0.0030	0.0011	0.0035	0.0000	0.0152
15 mph	0.0009	0.0001	0.0004	0.0011	0.0010	0.0003	0.0010	0.0000	0.0048
20 mph	0.0014	0.0001	0.0007	0.0019	0.0016	0.0006	0.0016	0.0000	0.0079
25 mph	0.0061	0.0005	0.0029	0.0081	0.0069	0.0025	0.0075	0.0001	0.0345
30 mph	0.0060	0.0005	0.0028	0.0079	0.0067	0.0024	0.0060	0.0001	0.0325
35 mph	0.0046	0.0004	0.0021	0.0060	0.0051	0.0018	0.0025	0.0000	0.0226
40 mph	0.0015	0.0001	0.0007	0.0019	0.0016	0.0006	0.0027	0.0000	0.0092
45 mph	0.0012	0.0001	0.0006	0.0016	0.0014	0.0005	0.0022	0.0000	0.0076
50 mph	0.0013	0.0001	0.0006	0.0017	0.0014	0.0005	0.0036	0.0000	0.0092
55 mph	0.0011	0.0001	0.0005	0.0014	0.0012	0.0004	0.0009	0.0000	0.0055
60 mph	0.0022	0.0002	0.0010	0.0029	0.0025	0.0009	0.0009	0.0000	0.0105
65 mph	0.0003	0.0000	0.0001	0.0004	0.0003	0.0001	-	-	0.0012
70 mph	-	-	-	-	-	-	-	-	-
total	0.0291	0.0026	0.0137	0.0383	0.0327	0.0117	0.0323	0.0003	0.1607

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0017)	(0.0001)	(0.0008)	0.0009	0.0012	0.0004	-	-	(0.0001)
15 mph	(0.0014)	(0.0001)	(0.0007)	0.0007	0.0010	0.0004	-	-	(0.0001)
20 mph	(0.0012)	(0.0001)	(0.0005)	0.0006	0.0008	0.0003	0.0037	0.0000	0.0037
25 mph	(0.0020)	(0.0002)	(0.0009)	0.0010	0.0015	0.0005	0.0056	0.0001	0.0055
30 mph	(0.0035)	(0.0003)	(0.0017)	0.0018	0.0026	0.0009	0.0085	0.0001	0.0083
35 mph	(0.0073)	(0.0006)	(0.0034)	0.0037	0.0054	0.0019	0.0078	0.0001	0.0075
40 mph	(0.0079)	(0.0007)	(0.0037)	0.0040	0.0058	0.0021	0.0070	0.0001	0.0065
45 mph	(0.0064)	(0.0006)	(0.0030)	0.0032	0.0046	0.0017	0.0051	0.0000	0.0047
50 mph	(0.0074)	(0.0006)	(0.0035)	0.0037	0.0054	0.0019	0.0026	0.0000	0.0022
55 mph	(0.0043)	(0.0004)	(0.0020)	0.0021	0.0031	0.0011	0.0014	0.0000	0.0011
60 mph	(0.0026)	(0.0002)	(0.0012)	0.0013	0.0019	0.0007	0.0990	0.0009	0.0998
65 mph	(0.0009)	(0.0001)	(0.0004)	0.0005	0.0007	0.0002	-	-	(0.0000)
70 mph	(0.0417)	(0.0037)	(0.0196)	0.0213	0.0311	0.0111	-	-	(0.0014)
total	(0.0882)	(0.0078)	(0.0414)	0.0446	0.0652	0.0233	0.1406	0.0013	0.1375

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0019	0.0006	0.0021	0.0000	0.0046
15 mph	0.0115	0.0010	0.0054	0.0020	0.0020	0.0007	0.0019	0.0000	0.0245
25 mph	-	-	-	-	0.0027	0.0010	0.0058	0.0001	0.0096
35 mph	0.0289	0.0025	0.0135	0.0045	-	-	-	-	0.0495
total	0.0403	0.0035	0.0189	0.0065	0.0066	0.0023	0.0099	0.0001	0.0882

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0019	0.0006	0.0021	0.0000	0.0046
10 mph	0.0009	0.0001	0.0004	0.0043	0.0042	0.0015	0.0035	0.0000	0.0150
15 mph	0.0109	0.0010	0.0051	0.0038	0.0040	0.0014	0.0028	0.0000	0.0291
20 mph	0.0003	0.0000	0.0001	0.0025	0.0025	0.0009	0.0053	0.0000	0.0116
25 mph	0.0042	0.0004	0.0020	0.0091	0.0111	0.0040	0.0188	0.0002	0.0496
30 mph	0.0025	0.0002	0.0012	0.0097	0.0093	0.0033	0.0145	0.0001	0.0408
35 mph	0.0261	0.0023	0.0122	0.0142	0.0105	0.0038	0.0104	0.0001	0.0795
40 mph	(0.0064)	(0.0006)	(0.0030)	0.0059	0.0074	0.0027	0.0097	0.0001	0.0157
45 mph	(0.0051)	(0.0004)	(0.0024)	0.0048	0.0060	0.0022	0.0073	0.0001	0.0123
50 mph	(0.0061)	(0.0005)	(0.0029)	0.0054	0.0068	0.0024	0.0062	0.0001	0.0114
55 mph	(0.0032)	(0.0003)	(0.0015)	0.0035	0.0043	0.0015	0.0022	0.0000	0.0066
60 mph	(0.0005)	(0.0000)	(0.0002)	0.0042	0.0044	0.0016	0.0999	0.0009	0.1103
65 mph	(0.0006)	(0.0001)	(0.0003)	0.0008	0.0010	0.0004	-	-	0.0012
70 mph	(0.0417)	(0.0037)	(0.0196)	0.0213	0.0311	0.0111	-	-	(0.0014)
total	(0.0188)	(0.0017)	(0.0089)	0.0894	0.1045	0.0374	0.1828	0.0017	0.3864

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0001	0.0013	0.0010	0.0100	0.0332	0.0455
15 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0026	0.0079	0.0112
20 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0005	0.0045	0.0130	0.0186
25 mph	0.0000	0.0000	0.0000	0.0002	0.0025	0.0021	0.0217	0.0619	0.0884
30 mph	0.0000	0.0000	0.0000	0.0001	0.0025	0.0021	0.0175	0.0497	0.0719
35 mph	0.0000	0.0000	0.0000	0.0001	0.0020	0.0017	0.0071	0.0207	0.0317
40 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0073	0.0210	0.0296
45 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0004	0.0056	0.0159	0.0224
50 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0005	0.0089	0.0248	0.0347
55 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0004	0.0021	0.0058	0.0088
60 mph	0.0000	0.0000	0.0000	0.0001	0.0009	0.0007	0.0022	0.0061	0.0101
65 mph	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	-	-	0.0002
70 mph	-	-	-	-	-	-	-	-	-
total	0.0002	0.0000	0.0001	0.0007	0.0124	0.0102	0.0896	0.2600	0.3732

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0005	0.0004	-	-	0.0010
15 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0003	0.0003	-	-	0.0006
20 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0003	0.0002	0.0105	0.0305	0.0415
25 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0005	0.0004	0.0162	0.0461	0.0633
30 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0009	0.0008	0.0247	0.0698	0.0962
35 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0021	0.0018	0.0223	0.0647	0.0908
40 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0023	0.0019	0.0188	0.0542	0.0772
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0018	0.0015	0.0130	0.0372	0.0535
50 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0021	0.0017	0.0064	0.0179	0.0281
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0012	0.0010	0.0033	0.0091	0.0146
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0007	0.0006	0.2402	0.6686	0.9102
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0003	0.0002	-	-	0.0005
70 mph	(0.0003)	(0.0000)	(0.0001)	0.0004	0.0118	0.0092	-	-	0.0211
total	(0.0006)	(0.0000)	(0.0002)	0.0008	0.0250	0.0200	0.3554	0.9980	1.3984

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0008	0.0009	0.0044	0.0078	0.0140
15 mph	0.0001	0.0000	0.0000	0.0000	0.0007	0.0006	0.0052	0.0156	0.0222
25 mph	-	-	-	-	0.0010	0.0008	0.0170	0.0484	0.0672
35 mph	0.0002	0.0000	0.0001	0.0001	-	-	-	-	0.0003
total	0.0003	0.0000	0.0001	0.0001	0.0025	0.0023	0.0266	0.0718	0.1037

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0008	0.0009	0.0044	0.0078	0.0140
10 mph	0.0000	0.0000	0.0000	0.0001	0.0018	0.0015	0.0100	0.0332	0.0465
15 mph	0.0001	0.0000	0.0000	0.0001	0.0014	0.0011	0.0078	0.0236	0.0341
20 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0007	0.0150	0.0435	0.0601
25 mph	0.0000	0.0000	0.0000	0.0002	0.0040	0.0033	0.0549	0.1564	0.2188
30 mph	0.0000	0.0000	0.0000	0.0002	0.0034	0.0028	0.0422	0.1195	0.1681
35 mph	0.0002	0.0000	0.0001	0.0003	0.0042	0.0035	0.0294	0.0854	0.1229
40 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0030	0.0024	0.0262	0.0752	0.1068
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0023	0.0019	0.0186	0.0531	0.0759
50 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0027	0.0022	0.0153	0.0426	0.0628
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0017	0.0014	0.0053	0.0150	0.0234
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0017	0.0013	0.2424	0.6747	0.9202
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0004	0.0003	-	-	0.0007
70 mph	(0.0003)	(0.0000)	(0.0001)	0.0004	0.0118	0.0092	-	-	0.0211
total	(0.0001)	(0.0000)	(0.0000)	0.0017	0.0399	0.0326	0.4716	1.3298	1.8753

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
15 mph								-	-
25 mph								-	-
35 mph								-	-
total	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0027	0.0015	0.0066	0.0078	0.0186
10 mph	0.0009	0.0001	0.0004	0.0044	0.0060	0.0030	0.0135	0.0332	0.0615
15 mph	0.0110	0.0010	0.0052	0.0039	0.0054	0.0026	0.0107	0.0236	0.0632
20 mph	0.0003	0.0000	0.0001	0.0025	0.0033	0.0016	0.0203	0.0435	0.0717
25 mph	0.0042	0.0004	0.0020	0.0092	0.0151	0.0073	0.0738	0.1566	0.2684
30 mph	0.0025	0.0002	0.0012	0.0098	0.0127	0.0062	0.0567	0.1196	0.2089
35 mph	0.0262	0.0023	0.0123	0.0145	0.0146	0.0072	0.0397	0.0855	0.2024
40 mph	(0.0065)	(0.0006)	(0.0030)	0.0060	0.0104	0.0051	0.0358	0.0753	0.1225
45 mph	(0.0052)	(0.0005)	(0.0024)	0.0049	0.0084	0.0041	0.0258	0.0531	0.0882
50 mph	(0.0061)	(0.0005)	(0.0029)	0.0055	0.0095	0.0046	0.0215	0.0427	0.0742
55 mph	(0.0032)	(0.0003)	(0.0015)	0.0036	0.0060	0.0029	0.0076	0.0150	0.0300
60 mph	(0.0005)	(0.0000)	(0.0002)	0.0043	0.0061	0.0029	0.3423	0.6756	1.0305
65 mph	(0.0006)	(0.0001)	(0.0003)	0.0008	0.0014	0.0006	-	-	0.0019
70 mph	(0.0420)	(0.0037)	(0.0197)	0.0217	0.0430	0.0203	-	-	0.0196
STREX	0.0005	0.0000	0.0002	0.0011	0.0001	0.0000	0.0001	0.0000	0.0021
total	(0.0184)	(0.0016)	(0.0087)	0.0922	0.1445	0.0699	0.6544	1.3315	**2.2638**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0005	0.0006	0.0007	0.0009	0.0002	0.0002	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0005	0.0000	0.0002	0.0011	0.0001	0.0000	0.0001	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0005	0.0000	0.0002	0.0011	0.0001	0.0000	0.0001	0.0000

World Logistics Center
Mobile Emissions - 2022 (Net) - Mitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0406	0.0369	0.0341	0.0496
10 mph	0.0061	0.0093	0.0065	0.0068	0.0052	0.0047	0.0044	0.0065
15 mph	0.0041	0.0063	0.0043	0.0045	0.0035	0.0032	0.0029	0.0044
20 mph	0.0029	0.0045	0.0031	0.0032	0.0025	0.0022	0.0021	0.0032
25 mph	0.0021	0.0033	0.0023	0.0024	0.0018	0.0016	0.0015	0.0025
30 mph	0.0017	0.0026	0.0018	0.0018	0.0014	0.0013	0.0012	0.0020
35 mph	0.0014	0.0021	0.0014	0.0015	0.0012	0.0010	0.0010	0.0017
40 mph	0.0012	0.0019	0.0012	0.0013	0.0010	0.0009	0.0008	0.0015
45 mph	0.0011	0.0017	0.0011	0.0012	0.0010	0.0008	0.0008	0.0014
50 mph	0.0010	0.0016	0.0011	0.0012	0.0009	0.0008	0.0008	0.0014
55 mph	0.0011	0.0017	0.0011	0.0012	0.0009	0.0008	0.0008	0.0014
60 mph	0.0011	0.0018	0.0012	0.0013	0.0010	0.0009	0.0008	0.0015
65 mph	0.0013	0.0020	0.0013	0.0013	0.0012	0.0010		
70 mph	0.0014	0.0022	0.0014	0.0015	0.0012	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.8018	0.8157	0.0073	0.0101
10 mph	0.0263	0.3799	0.0162	0.0126	0.0409	0.0436	0.0044	0.0150
15 mph	0.0202	0.2755	0.0128	0.0100	0.0306	0.0334	0.0035	0.0111
20 mph	0.0158	0.2104	0.0103	0.0081	0.0242	0.0267	0.0030	0.0072
25 mph	0.0125	0.1694	0.0085	0.0067	0.0200	0.0221	0.0029	0.0076
30 mph	0.0103	0.1429	0.0073	0.0058	0.0173	0.0190	0.0031	0.0081
35 mph	0.0088	0.1268	0.0065	0.0051	0.0156	0.0170	0.0036	0.0095
40 mph	0.0080	0.1163	0.0060	0.0047	0.0144	0.0156	0.0045	0.0118
45 mph	0.0076	0.1110	0.0056	0.0044	0.0137	0.0148	0.0058	0.0150
50 mph	0.0075	0.1113	0.0055	0.0043	0.0135	0.0145	0.0074	0.0189
55 mph	0.0075	0.1172	0.0054	0.0042	0.0136	0.0144	0.0094	0.0247
60 mph	0.0081	0.1274	0.0056	0.0043	0.0141	0.0149	0.0117	0.0299
65 mph	0.0085	0.1491	0.0059	0.0046	0.0162	0.0167		
70 mph	0.0078	0.1834	0.0078	0.0050	0.0225	0.0205		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0779
10 mph								0.0102
15 mph								0.0082
20 mph								0.0068
25 mph								0.0061
30 mph								0.0057
35 mph								0.0055
40 mph								0.0054
45 mph								0.0055
50 mph								0.0058
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0032	0.0004	0.0013	0.0030	0.0010	0.0003	0.0005	0.0000	0.0097
15 mph	0.0009	0.0001	0.0003	0.0008	0.0003	0.0001	0.0001	0.0000	0.0026
20 mph	0.0012	0.0001	0.0005	0.0011	0.0004	0.0001	0.0002	0.0000	0.0036
25 mph	0.0044	0.0005	0.0018	0.0042	0.0015	0.0004	0.0006	0.0000	0.0135
30 mph	0.0038	0.0005	0.0015	0.0036	0.0013	0.0003	0.0004	0.0000	0.0114
35 mph	0.0026	0.0003	0.0010	0.0024	0.0008	0.0002	0.0002	0.0000	0.0075
40 mph	0.0007	0.0001	0.0003	0.0007	0.0002	0.0001	0.0002	0.0000	0.0023
45 mph	0.0006	0.0001	0.0002	0.0005	0.0002	0.0001	0.0001	0.0000	0.0017
50 mph	0.0005	0.0001	0.0002	0.0005	0.0002	0.0000	0.0002	0.0000	0.0018
55 mph	0.0004	0.0001	0.0002	0.0004	0.0001	0.0000	0.0000	0.0000	0.0013
60 mph	0.0010	0.0001	0.0004	0.0009	0.0003	0.0001	0.0000	0.0000	0.0028
65 mph	0.0001	0.0000	0.0001	0.0001	0.0000	0.0000	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0195	0.0023	0.0077	0.0184	0.0064	0.0018	0.0025	0.0000	0.0586

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0021)	(0.0002)	(0.0008)	0.0007	0.0004	0.0001	-	-	(0.0018)
15 mph	(0.0014)	(0.0002)	(0.0005)	0.0005	0.0003	0.0001	-	-	(0.0012)
20 mph	(0.0010)	(0.0001)	(0.0004)	0.0004	0.0002	0.0001	0.0004	0.0000	(0.0005)
25 mph	(0.0014)	(0.0002)	(0.0006)	0.0005	0.0003	0.0001	0.0005	0.0000	(0.0008)
30 mph	(0.0022)	(0.0003)	(0.0009)	0.0008	0.0005	0.0001	0.0006	0.0000	(0.0013)
35 mph	(0.0041)	(0.0005)	(0.0016)	0.0015	0.0009	0.0002	0.0005	0.0000	(0.0031)
40 mph	(0.0040)	(0.0005)	(0.0016)	0.0014	0.0009	0.0002	0.0004	0.0000	(0.0031)
45 mph	(0.0029)	(0.0003)	(0.0012)	0.0011	0.0006	0.0002	0.0003	0.0000	(0.0023)
50 mph	(0.0032)	(0.0004)	(0.0013)	0.0011	0.0007	0.0002	0.0001	0.0000	(0.0026)
55 mph	(0.0018)	(0.0002)	(0.0007)	0.0006	0.0004	0.0001	0.0001	0.0000	(0.0015)
60 mph	(0.0012)	(0.0001)	(0.0005)	0.0004	0.0003	0.0001	0.0051	0.0001	0.0042
65 mph	(0.0004)	(0.0001)	(0.0002)	0.0001	0.0001	0.0000	-	-	(0.0004)
70 mph	(0.0213)	(0.0026)	(0.0084)	0.0074	0.0048	0.0012	-	-	(0.0189)
total	(0.0470)	(0.0056)	(0.0186)	0.0166	0.0103	0.0028	0.0079	0.0001	(0.0334)

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0013	0.0004	0.0005	0.0000	0.0022
15 mph	0.0114	0.0013	0.0045	0.0014	0.0006	0.0002	0.0002	0.0000	0.0196
25 mph	-	-	-	-	0.0006	0.0002	0.0005	0.0000	0.0012
35 mph	0.0162	0.0019	0.0064	0.0018	-	-	-	-	0.0264
total	0.0276	0.0032	0.0109	0.0032	0.0025	0.0007	0.0012	0.0000	0.0494

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0013	0.0004	0.0005	0.0000	0.0022
10 mph	0.0011	0.0001	0.0005	0.0038	0.0015	0.0004	0.0005	0.0000	0.0079
15 mph	0.0108	0.0013	0.0043	0.0027	0.0011	0.0003	0.0003	0.0000	0.0209
20 mph	0.0002	0.0000	0.0001	0.0015	0.0006	0.0002	0.0005	0.0000	0.0031
25 mph	0.0030	0.0004	0.0012	0.0048	0.0023	0.0007	0.0016	0.0000	0.0139
30 mph	0.0016	0.0002	0.0006	0.0044	0.0017	0.0005	0.0011	0.0000	0.0101
35 mph	0.0147	0.0017	0.0058	0.0057	0.0017	0.0005	0.0007	0.0000	0.0308
40 mph	(0.0032)	(0.0004)	(0.0013)	0.0021	0.0011	0.0003	0.0006	0.0000	(0.0008)
45 mph	(0.0023)	(0.0003)	(0.0009)	0.0016	0.0008	0.0002	0.0004	0.0000	(0.0005)
50 mph	(0.0026)	(0.0003)	(0.0010)	0.0017	0.0009	0.0002	0.0003	0.0000	(0.0009)
55 mph	(0.0013)	(0.0002)	(0.0005)	0.0011	0.0005	0.0001	0.0001	0.0000	(0.0002)
60 mph	(0.0002)	(0.0000)	(0.0001)	0.0013	0.0006	0.0002	0.0051	0.0001	0.0070
65 mph	(0.0003)	(0.0000)	(0.0001)	0.0003	0.0001	0.0000	-	-	(0.0000)
70 mph	(0.0213)	(0.0026)	(0.0084)	0.0074	0.0048	0.0012	-	-	(0.0189)
total	0.0001	(0.0001)	0.0001	0.0383	0.0192	0.0053	0.0117	0.0001	0.0746

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0001	0.0055	0.0043	0.0024	0.0154	0.0278
15 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0013	0.0006	0.0038	0.0075
20 mph	0.0001	0.0000	0.0000	0.0001	0.0026	0.0021	0.0011	0.0050	0.0108
25 mph	0.0002	0.0000	0.0000	0.0003	0.0107	0.0086	0.0056	0.0287	0.0542
30 mph	0.0002	0.0000	0.0000	0.0002	0.0101	0.0081	0.0055	0.0277	0.0520
35 mph	0.0001	0.0000	0.0000	0.0002	0.0075	0.0060	0.0029	0.0147	0.0314
40 mph	0.0000	0.0000	0.0000	0.0001	0.0023	0.0018	0.0041	0.0203	0.0286
45 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0014	0.0042	0.0207	0.0282
50 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0014	0.0087	0.0422	0.0542
55 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0011	0.0025	0.0127	0.0179
60 mph	0.0001	0.0000	0.0000	0.0001	0.0030	0.0023	0.0032	0.0155	0.0241
65 mph	0.0000	0.0000	0.0000	0.0000	0.0004	0.0003	-	-	0.0008
70 mph	-	-	-	-	-	-	-	-	-
total	0.0010	0.0001	0.0002	0.0011	0.0488	0.0388	0.0408	0.2067	0.3375

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0023	0.0018	-	-	0.0040
15 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0017	0.0014	-	-	0.0030
20 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0014	0.0011	0.0025	0.0116	0.0165
25 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0022	0.0018	0.0042	0.0214	0.0296
30 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0039	0.0031	0.0077	0.0390	0.0536
35 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0079	0.0063	0.0091	0.0458	0.0688
40 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0081	0.0064	0.0105	0.0523	0.0771
45 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0061	0.0048	0.0098	0.0485	0.0691
50 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0068	0.0053	0.0062	0.0304	0.0487
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0038	0.0030	0.0040	0.0199	0.0305
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0024	0.0018	0.3458	1.6892	2.0391
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0009	0.0007	-	-	0.0016
70 mph	(0.0011)	(0.0001)	(0.0003)	0.0005	0.0580	0.0387	-	-	0.0957
total	(0.0026)	(0.0002)	(0.0006)	0.0012	0.1054	0.0762	0.3999	1.9581	2.5374

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0179	0.0133	0.0005	0.0014	0.0330
15 mph	0.0005	0.0000	0.0001	0.0001	0.0034	0.0027	0.0012	0.0075	0.0156
25 mph	-	-	-	-	0.0043	0.0034	0.0044	0.0224	0.0345
35 mph	0.0009	0.0001	0.0002	0.0001	-	-	-	-	0.0013
total	0.0015	0.0001	0.0003	0.0002	0.0255	0.0194	0.0062	0.0314	0.0845

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0179	0.0133	0.0005	0.0014	0.0330
10 mph	0.0000	0.0000	0.0000	0.0001	0.0078	0.0060	0.0024	0.0154	0.0318
15 mph	0.0005	0.0000	0.0001	0.0001	0.0068	0.0054	0.0019	0.0114	0.0261
20 mph	0.0000	0.0000	0.0000	0.0001	0.0039	0.0032	0.0036	0.0166	0.0274
25 mph	0.0002	0.0000	0.0000	0.0003	0.0172	0.0138	0.0143	0.0725	0.1182
30 mph	0.0001	0.0000	0.0000	0.0003	0.0140	0.0113	0.0132	0.0667	0.1056
35 mph	0.0009	0.0001	0.0002	0.0004	0.0153	0.0122	0.0121	0.0604	0.1015
40 mph	(0.0002)	(0.0000)	(0.0000)	0.0002	0.0104	0.0082	0.0146	0.0726	0.1057
45 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0079	0.0063	0.0139	0.0692	0.0973
50 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0086	0.0067	0.0149	0.0727	0.1029
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0053	0.0041	0.0065	0.0326	0.0484
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0054	0.0042	0.3490	1.7046	2.0632
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0013	0.0010	-	-	0.0023
70 mph	(0.0011)	(0.0001)	(0.0003)	0.0005	0.0580	0.0387	-	-	0.0957
total	(0.0001)	(0.0001)	(0.0001)	0.0025	0.1798	0.1344	0.4468	2.1962	2.9594

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0005	0.0005
15 mph								0.0001	0.0001
20 mph								0.0002	0.0002
25 mph								0.0012	0.0012
30 mph								0.0010	0.0010
35 mph								0.0004	0.0004
40 mph								0.0005	0.0005
45 mph								0.0004	0.0004
50 mph								0.0006	0.0006
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0050	0.0050

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0006	0.0006
25 mph								0.0009	0.0009
30 mph								0.0014	0.0014
35 mph								0.0013	0.0013
40 mph								0.0012	0.0012
45 mph								0.0009	0.0009
50 mph								0.0005	0.0005
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0041	0.0041

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0005	0.0005
15 mph								0.0003	0.0003
25 mph								0.0009	0.0009
35 mph								-	-
total	-	-	-	-	-	-	-	0.0017	0.0017

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0005	0.0005
10 mph								0.0005	0.0005
15 mph								0.0004	0.0004
20 mph								0.0008	0.0008
25 mph								0.0029	0.0029
30 mph								0.0024	0.0024
35 mph								0.0018	0.0018
40 mph								0.0017	0.0017
45 mph								0.0013	0.0013
50 mph								0.0011	0.0011
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0134	0.0134

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0192	0.0136	0.0010	0.0020	0.0358
10 mph	0.0012	0.0001	0.0005	0.0039	0.0092	0.0065	0.0029	0.0160	0.0402
15 mph	0.0113	0.0013	0.0044	0.0028	0.0079	0.0057	0.0022	0.0118	0.0475
20 mph	0.0002	0.0000	0.0001	0.0016	0.0045	0.0033	0.0041	0.0173	0.0313
25 mph	0.0032	0.0004	0.0012	0.0050	0.0195	0.0145	0.0158	0.0754	0.1351
30 mph	0.0017	0.0002	0.0006	0.0047	0.0157	0.0117	0.0143	0.0691	0.1181
35 mph	0.0155	0.0018	0.0060	0.0061	0.0171	0.0127	0.0127	0.0622	0.1341
40 mph	(0.0034)	(0.0004)	(0.0013)	0.0023	0.0115	0.0085	0.0151	0.0743	0.1066
45 mph	(0.0025)	(0.0003)	(0.0010)	0.0017	0.0088	0.0065	0.0143	0.0705	0.0980
50 mph	(0.0028)	(0.0003)	(0.0011)	0.0018	0.0095	0.0070	0.0152	0.0738	0.1031
55 mph	(0.0014)	(0.0002)	(0.0005)	0.0011	0.0058	0.0042	0.0066	0.0326	0.0482
60 mph	(0.0002)	(0.0000)	(0.0001)	0.0014	0.0060	0.0043	0.3541	1.7047	2.0702
65 mph	(0.0003)	(0.0000)	(0.0001)	0.0003	0.0015	0.0010	-	-	0.0023
70 mph	(0.0224)	(0.0027)	(0.0087)	0.0079	0.0627	0.0400	-	-	0.0768
STREX	0.0017	0.0002	0.0007	0.0027	0.0002	0.0001	0.0001	0.0000	0.0056
total	0.0017	0.0001	0.0006	0.0435	0.1992	0.1397	0.4586	2.2098	**3.0531**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0019	0.0027	0.0019	0.0021	0.0005	0.0004	0.0005	0.0016
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0017	0.0002	0.0007	0.0027	0.0002	0.0001	0.0001	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0017	0.0002	0.0007	0.0027	0.0002	0.0001	0.0001	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.4684	0.0353	0.1750	0.4004	0.3335	0.1198	0.2647	0.0011
Diesel	0.0042	0.0000	0.0011	0.0085	0.2360	0.1972	1.2795	1.6555
Electric/NG	0.0092	0.0003	0.0018	0.0030	-	-	-	0.0849
Total	0.4818	0.0355	0.1779	0.4119	0.5695	0.3170	1.5442	1.7415

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	(1.5123)	(0.1139)	(0.5651)	0.4924	0.7008	0.2518	1.2401	0.0052
Diesel	(0.0136)	(0.0001)	(0.0036)	0.0104	0.4959	0.4143	5.9944	7.7560
Electric/NG	(0.0296)	(0.0008)	(0.0057)	0.0036	-	-	-	0.3976
Total	(1.5555)	(0.1148)	(0.5743)	0.5064	1.1967	0.6661	7.2345	8.1588

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.6592	0.0496	0.2463	0.0683	0.0405	0.0146	0.0559	0.0002
Diesel	0.0059	0.0000	0.0016	0.0014	0.0287	0.0239	0.2704	0.3499
Electric/NG	0.0129	0.0004	0.0025	0.0005	-	-	-	0.0179
Total	0.6780	0.0500	0.2503	0.0703	0.0692	0.0385	0.3264	0.3681

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	(0.3847)	(0.0290)	(0.1437)	0.9611	1.0747	0.3862	1.5608	0.0065	3.4319
Diesel	(0.0035)	(0.0000)	(0.0009)	0.0204	0.7606	0.6354	7.5443	9.7614	18.7177
Electric/NG	(0.0075)	(0.0002)	(0.0014)	0.0071	-	-	-	0.5004	0.4983
Total	(0.3957)	(0.0292)	(0.1461)	0.9886	1.8353	1.0216	9.1051	10.2683	**22.6480**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	13.0058
Internal	21.3857
Total	**34.3915**

World Logistics Center
Mobile Emissions - 2022 (Net) - Mitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0374	0.0340	0.0313	0.0459
10 mph	0.0057	0.0085	0.0060	0.0062	0.0048	0.0043	0.0041	0.0061
15 mph	0.0038	0.0058	0.0040	0.0042	0.0032	0.0029	0.0027	0.0041
20 mph	0.0026	0.0041	0.0028	0.0029	0.0023	0.0020	0.0019	0.0029
25 mph	0.0020	0.0031	0.0021	0.0022	0.0017	0.0015	0.0014	0.0023
30 mph	0.0015	0.0024	0.0016	0.0017	0.0013	0.0012	0.0011	0.0018
35 mph	0.0012	0.0020	0.0013	0.0014	0.0011	0.0010	0.0009	0.0016
40 mph	0.0011	0.0017	0.0011	0.0012	0.0010	0.0008	0.0008	0.0014
45 mph	0.0010	0.0016	0.0011	0.0011	0.0009	0.0008	0.0007	0.0013
50 mph	0.0010	0.0015	0.0010	0.0011	0.0009	0.0007	0.0007	0.0013
55 mph	0.0010	0.0015	0.0010	0.0011	0.0009	0.0008	0.0007	0.0013
60 mph	0.0010	0.0016	0.0011	0.0012	0.0009	0.0008	0.0008	0.0014
65 mph	0.0012	0.0018	0.0012	0.0013	0.0011	0.0009		
70 mph	0.0013	0.0020	0.0013	0.0013	0.0011	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7672	0.7804	0.0070	0.0096
10 mph	0.0251	0.3634	0.0155	0.0121	0.0392	0.0417	0.0042	0.0143
15 mph	0.0193	0.2636	0.0123	0.0096	0.0293	0.0320	0.0034	0.0106
20 mph	0.0151	0.2013	0.0099	0.0078	0.0232	0.0256	0.0029	0.0069
25 mph	0.0119	0.1621	0.0081	0.0064	0.0192	0.0211	0.0027	0.0072
30 mph	0.0099	0.1367	0.0070	0.0055	0.0165	0.0182	0.0029	0.0077
35 mph	0.0084	0.1213	0.0062	0.0049	0.0149	0.0163	0.0035	0.0091
40 mph	0.0077	0.1113	0.0057	0.0045	0.0138	0.0150	0.0043	0.0113
45 mph	0.0073	0.1062	0.0054	0.0042	0.0131	0.0141	0.0055	0.0144
50 mph	0.0071	0.1065	0.0052	0.0041	0.0129	0.0138	0.0071	0.0181
55 mph	0.0072	0.1121	0.0052	0.0040	0.0130	0.0138	0.0090	0.0236
60 mph	0.0077	0.1219	0.0053	0.0041	0.0135	0.0143	0.0112	0.0286
65 mph	0.0081	0.1427	0.0057	0.0044	0.0155	0.0160		
70 mph	0.0075	0.1755	0.0074	0.0048	0.0215	0.0197		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0745
10 mph								0.0098
15 mph								0.0079
20 mph								0.0065
25 mph								0.0058
30 mph								0.0054
35 mph								0.0052
40 mph								0.0052
45 mph								0.0053
50 mph								0.0055
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0030	0.0003	0.0012	0.0028	0.0010	0.0003	0.0005	0.0000	0.0089
15 mph	0.0008	0.0001	0.0003	0.0007	0.0003	0.0001	0.0001	0.0000	0.0024
20 mph	0.0011	0.0001	0.0004	0.0011	0.0004	0.0001	0.0001	0.0000	0.0033
25 mph	0.0041	0.0005	0.0016	0.0039	0.0013	0.0004	0.0006	0.0000	0.0124
30 mph	0.0035	0.0004	0.0014	0.0033	0.0012	0.0003	0.0004	0.0000	0.0105
35 mph	0.0024	0.0003	0.0009	0.0022	0.0008	0.0002	0.0001	0.0000	0.0069
40 mph	0.0007	0.0001	0.0003	0.0006	0.0002	0.0001	0.0001	0.0000	0.0021
45 mph	0.0005	0.0001	0.0002	0.0005	0.0002	0.0000	0.0001	0.0000	0.0016
50 mph	0.0005	0.0001	0.0002	0.0005	0.0002	0.0000	0.0002	0.0000	0.0016
55 mph	0.0004	0.0000	0.0002	0.0004	0.0001	0.0000	0.0000	0.0000	0.0012
60 mph	0.0009	0.0001	0.0003	0.0008	0.0003	0.0001	0.0000	0.0000	0.0026
65 mph	0.0001	0.0000	0.0000	0.0001	0.0000	0.0000	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0179	0.0021	0.0071	0.0170	0.0059	0.0016	0.0023	0.0000	0.0539

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0019)	(0.0002)	(0.0008)	0.0007	0.0004	0.0001	-	-	(0.0017)
15 mph	(0.0013)	(0.0001)	(0.0005)	0.0005	0.0003	0.0001	-	-	(0.0011)
20 mph	(0.0009)	(0.0001)	(0.0004)	0.0003	0.0002	0.0001	0.0003	0.0000	(0.0004)
25 mph	(0.0013)	(0.0002)	(0.0005)	0.0005	0.0003	0.0001	0.0004	0.0000	(0.0007)
30 mph	(0.0021)	(0.0002)	(0.0008)	0.0007	0.0004	0.0001	0.0006	0.0000	(0.0012)
35 mph	(0.0038)	(0.0005)	(0.0015)	0.0014	0.0008	0.0002	0.0005	0.0000	(0.0029)
40 mph	(0.0037)	(0.0004)	(0.0015)	0.0013	0.0008	0.0002	0.0004	0.0000	(0.0028)
45 mph	(0.0027)	(0.0003)	(0.0011)	0.0010	0.0006	0.0002	0.0002	0.0000	(0.0021)
50 mph	(0.0029)	(0.0003)	(0.0012)	0.0011	0.0006	0.0002	0.0001	0.0000	(0.0024)
55 mph	(0.0016)	(0.0002)	(0.0007)	0.0006	0.0004	0.0001	0.0001	0.0000	(0.0014)
60 mph	(0.0011)	(0.0001)	(0.0004)	0.0004	0.0002	0.0001	0.0047	0.0001	0.0038
65 mph	(0.0004)	(0.0000)	(0.0002)	0.0001	0.0001	0.0000	-	-	(0.0003)
70 mph	(0.0196)	(0.0024)	(0.0077)	0.0068	0.0044	0.0011	-	-	(0.0174)
total	(0.0432)	(0.0051)	(0.0171)	0.0153	0.0095	0.0025	0.0073	0.0001	(0.0307)

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0012	0.0003	0.0005	0.0000	0.0021
15 mph	0.0105	0.0012	0.0041	0.0013	0.0005	0.0002	0.0002	0.0000	0.0180
25 mph	-	-	-	-	0.0005	0.0001	0.0004	0.0000	0.0011
35 mph	0.0149	0.0018	0.0059	0.0017	-	-	-	-	0.0243
total	0.0254	0.0030	0.0101	0.0030	0.0023	0.0006	0.0011	0.0000	0.0455

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0012	0.0003	0.0005	0.0000	0.0021
10 mph	0.0010	0.0001	0.0004	0.0035	0.0014	0.0004	0.0005	0.0000	0.0072
15 mph	0.0100	0.0011	0.0040	0.0025	0.0011	0.0003	0.0003	0.0000	0.0192
20 mph	0.0002	0.0000	0.0001	0.0014	0.0005	0.0002	0.0005	0.0000	0.0029
25 mph	0.0028	0.0003	0.0011	0.0044	0.0021	0.0006	0.0015	0.0000	0.0128
30 mph	0.0014	0.0002	0.0006	0.0041	0.0016	0.0004	0.0010	0.0000	0.0093
35 mph	0.0135	0.0016	0.0053	0.0053	0.0016	0.0004	0.0006	0.0000	0.0284
40 mph	(0.0030)	(0.0004)	(0.0012)	0.0020	0.0010	0.0003	0.0005	0.0000	(0.0007)
45 mph	(0.0022)	(0.0003)	(0.0009)	0.0015	0.0008	0.0002	0.0004	0.0000	(0.0005)
50 mph	(0.0024)	(0.0003)	(0.0010)	0.0015	0.0008	0.0002	0.0003	0.0000	(0.0008)
55 mph	(0.0012)	(0.0001)	(0.0005)	0.0010	0.0005	0.0001	0.0001	0.0000	(0.0002)
60 mph	(0.0002)	(0.0000)	(0.0001)	0.0012	0.0005	0.0001	0.0047	0.0001	0.0064
65 mph	(0.0003)	(0.0000)	(0.0001)	0.0003	0.0001	0.0000	-	-	0.0000
70 mph	(0.0196)	(0.0024)	(0.0077)	0.0068	0.0044	0.0011	-	-	(0.0174)
total	0.0001	(0.0001)	0.0001	0.0353	0.0176	0.0048	0.0107	0.0001	0.0687

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0001	0.0052	0.0041	0.0023	0.0148	0.0266
15 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0012	0.0006	0.0037	0.0072
20 mph	0.0001	0.0000	0.0000	0.0001	0.0025	0.0020	0.0010	0.0047	0.0104
25 mph	0.0002	0.0000	0.0000	0.0002	0.0102	0.0082	0.0054	0.0274	0.0518
30 mph	0.0002	0.0000	0.0000	0.0002	0.0097	0.0078	0.0053	0.0265	0.0498
35 mph	0.0001	0.0000	0.0000	0.0002	0.0072	0.0057	0.0028	0.0140	0.0300
40 mph	0.0000	0.0000	0.0000	0.0001	0.0022	0.0017	0.0039	0.0194	0.0274
45 mph	0.0000	0.0000	0.0000	0.0000	0.0017	0.0014	0.0040	0.0198	0.0270
50 mph	0.0000	0.0000	0.0000	0.0000	0.0017	0.0013	0.0083	0.0404	0.0519
55 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0011	0.0024	0.0122	0.0171
60 mph	0.0001	0.0000	0.0000	0.0001	0.0029	0.0022	0.0030	0.0148	0.0231
65 mph	0.0000	0.0000	0.0000	0.0000	0.0004	0.0003	-	-	0.0007
70 mph	-	-	-	-	-	-	-	-	-
total	0.0010	0.0001	0.0002	0.0011	0.0467	0.0371	0.0390	0.1978	0.3229

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0022	0.0017	-	-	0.0038
15 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0016	0.0013	-	-	0.0029
20 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0013	0.0010	0.0024	0.0111	0.0158
25 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0022	0.0017	0.0040	0.0204	0.0283
30 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0037	0.0030	0.0074	0.0373	0.0513
35 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0075	0.0060	0.0087	0.0438	0.0658
40 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0077	0.0061	0.0100	0.0501	0.0738
45 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0059	0.0046	0.0093	0.0464	0.0661
50 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0065	0.0051	0.0060	0.0291	0.0466
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0036	0.0028	0.0038	0.0190	0.0292
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0023	0.0018	0.3309	1.6161	1.9509
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0009	0.0007	-	-	0.0015
70 mph	(0.0010)	(0.0001)	(0.0003)	0.0005	0.0555	0.0370	-	-	0.0916
total	(0.0025)	(0.0002)	(0.0005)	0.0011	0.1009	0.0729	0.3826	1.8734	2.4276

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0171	0.0127	0.0005	0.0013	0.0316
15 mph	0.0005	0.0000	0.0001	0.0001	0.0033	0.0026	0.0012	0.0072	0.0149
25 mph	-	-	-	-	0.0041	0.0033	0.0042	0.0215	0.0330
35 mph	0.0009	0.0001	0.0002	0.0001	-	-	-	-	0.0013
total	0.0014	0.0001	0.0003	0.0002	0.0244	0.0186	0.0059	0.0300	0.0808

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0171	0.0127	0.0005	0.0013	0.0316
10 mph	0.0000	0.0000	0.0000	0.0001	0.0074	0.0058	0.0023	0.0148	0.0304
15 mph	0.0005	0.0000	0.0001	0.0001	0.0065	0.0052	0.0018	0.0109	0.0250
20 mph	0.0000	0.0000	0.0000	0.0001	0.0038	0.0030	0.0035	0.0158	0.0262
25 mph	0.0002	0.0000	0.0000	0.0003	0.0165	0.0132	0.0136	0.0693	0.1131
30 mph	0.0001	0.0000	0.0000	0.0003	0.0134	0.0108	0.0126	0.0638	0.1011
35 mph	0.0008	0.0001	0.0002	0.0004	0.0147	0.0117	0.0115	0.0578	0.0971
40 mph	(0.0002)	(0.0000)	(0.0000)	0.0002	0.0099	0.0079	0.0139	0.0695	0.1011
45 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0076	0.0060	0.0133	0.0662	0.0931
50 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0083	0.0064	0.0143	0.0695	0.0984
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0050	0.0039	0.0062	0.0312	0.0463
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0052	0.0040	0.3339	1.6309	1.9740
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0013	0.0010	-	-	0.0022
70 mph	(0.0010)	(0.0001)	(0.0003)	0.0005	0.0555	0.0370	-	-	0.0916
total	(0.0001)	(0.0001)	(0.0001)	0.0024	0.1720	0.1286	0.4275	2.1012	2.8314

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0005	0.0005
15 mph								0.0001	0.0001
20 mph								0.0002	0.0002
25 mph								0.0011	0.0011
30 mph								0.0009	0.0009
35 mph								0.0004	0.0004
40 mph								0.0004	0.0004
45 mph								0.0004	0.0004
50 mph								0.0006	0.0006
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0048	0.0048

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0005	0.0005
25 mph								0.0008	0.0008
30 mph								0.0013	0.0013
35 mph								0.0013	0.0013
40 mph								0.0012	0.0012
45 mph								0.0009	0.0009
50 mph								0.0004	0.0004
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0040	0.0040

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0005	0.0005
15 mph								0.0003	0.0003
25 mph								0.0009	0.0009
35 mph								-	-
total	-	-	-	-	-	-	-	0.0017	0.0017

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0005	0.0005
10 mph								0.0005	0.0005
15 mph								0.0004	0.0004
20 mph								0.0008	0.0008
25 mph								0.0028	0.0028
30 mph								0.0023	0.0023
35 mph								0.0017	0.0017
40 mph								0.0016	0.0016
45 mph								0.0012	0.0012
50 mph								0.0011	0.0011
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0129	0.0129

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0183	0.0130	0.0010	0.0019	0.0342
10 mph	0.0011	0.0001	0.0004	0.0036	0.0088	0.0062	0.0027	0.0153	0.0382
15 mph	0.0104	0.0012	0.0040	0.0026	0.0075	0.0055	0.0021	0.0113	0.0446
20 mph	0.0002	0.0000	0.0001	0.0015	0.0043	0.0032	0.0039	0.0166	0.0298
25 mph	0.0029	0.0003	0.0011	0.0046	0.0186	0.0138	0.0151	0.0722	0.1287
30 mph	0.0015	0.0002	0.0006	0.0044	0.0150	0.0112	0.0136	0.0661	0.1126
35 mph	0.0143	0.0017	0.0055	0.0057	0.0163	0.0121	0.0122	0.0595	0.1272
40 mph	(0.0032)	(0.0004)	(0.0012)	0.0021	0.0109	0.0082	0.0144	0.0711	0.1020
45 mph	(0.0023)	(0.0003)	(0.0009)	0.0016	0.0084	0.0062	0.0137	0.0674	0.0938
50 mph	(0.0026)	(0.0003)	(0.0010)	0.0017	0.0091	0.0067	0.0146	0.0706	0.0987
55 mph	(0.0013)	(0.0002)	(0.0005)	0.0011	0.0055	0.0040	0.0063	0.0312	0.0462
60 mph	(0.0002)	(0.0000)	(0.0001)	0.0013	0.0057	0.0041	0.3386	1.6309	1.9804
65 mph	(0.0003)	(0.0000)	(0.0001)	0.0003	0.0014	0.0010	-	-	0.0023
70 mph	(0.0207)	(0.0025)	(0.0080)	0.0073	0.0599	0.0382	-	-	0.0742
STREX	0.0016	0.0002	0.0006	0.0025	0.0002	0.0000	0.0001	0.0000	0.0052
total	0.0016	0.0001	0.0006	0.0401	0.1898	0.1335	0.4383	2.1142	**2.9181**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0017	0.0025	0.0017	0.0019	0.0004	0.0003	0.0004	0.0015
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0016	0.0002	0.0006	0.0025	0.0002	0.0000	0.0001	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0016	0.0002	0.0006	0.0025	0.0002	0.0000	0.0001	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1858	0.0140	0.0694	0.1588	0.1373	0.0496	0.1095	0.0004
Diesel	0.0017	0.0000	0.0004	0.0034	0.0954	0.0803	0.5291	0.6006
Electric/NG	0.0036	0.0001	0.0007	0.0012	-	-	-	0.0308
Total	0.1911	0.0141	0.0706	0.1634	0.2327	0.1299	0.6385	0.6318

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	(0.5998)	(0.0452)	(0.2241)	0.1953	0.2885	0.1042	0.5128	0.0020
Diesel	(0.0054)	(0.0000)	(0.0014)	0.0041	0.2005	0.1688	2.4788	2.8139
Electric/NG	(0.0117)	(0.0003)	(0.0023)	0.0014	-	-	-	0.1442
Total	(0.6170)	(0.0455)	(0.2278)	0.2009	0.4890	0.2730	2.9916	2.9601

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2615	0.0197	0.0977	0.0271	0.0167	0.0060	0.0231	0.0001
Diesel	0.0024	0.0000	0.0006	0.0006	0.0116	0.0098	0.1118	0.1269
Electric/NG	0.0051	0.0001	0.0010	0.0002	-	-	-	0.0065
Total	0.2689	0.0198	0.0993	0.0279	0.0283	0.0158	0.1350	0.1335

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	(0.1526)	(0.0115)	(0.0570)	0.3812	0.4424	0.1598	0.6454	0.0025	1.4103
Diesel	(0.0014)	(0.0000)	(0.0004)	0.0081	0.3075	0.2589	3.1197	3.5414	7.2339
Electric/NG	(0.0030)	(0.0001)	(0.0006)	0.0028	-	-	-	0.1815	0.1807
Total	(0.1569)	(0.0116)	(0.0579)	0.3921	0.7500	0.4187	3.7651	3.7255	**8.8249**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	3.1923
Internal	5.2492
Total	**8.4416**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0141	0.0100	0.0008	0.0014	0.0263
10 mph	0.0007	0.0001	0.0003	0.0023	0.0068	0.0047	0.0021	0.0118	0.0287
15 mph	0.0067	0.0008	0.0026	0.0017	0.0058	0.0042	0.0016	0.0087	0.0320
20 mph	0.0001	0.0000	0.0001	0.0009	0.0033	0.0025	0.0030	0.0128	0.0227
25 mph	0.0019	0.0002	0.0007	0.0030	0.0143	0.0106	0.0116	0.0556	0.0980
30 mph	0.0010	0.0001	0.0004	0.0028	0.0115	0.0086	0.0105	0.0509	0.0859
35 mph	0.0092	0.0011	0.0035	0.0036	0.0125	0.0093	0.0094	0.0458	0.0944
40 mph	(0.0020)	(0.0002)	(0.0008)	0.0014	0.0084	0.0063	0.0111	0.0548	0.0789
45 mph	(0.0015)	(0.0002)	(0.0006)	0.0010	0.0064	0.0048	0.0105	0.0519	0.0725
50 mph	(0.0016)	(0.0002)	(0.0006)	0.0011	0.0070	0.0051	0.0112	0.0544	0.0763
55 mph	(0.0008)	(0.0001)	(0.0003)	0.0007	0.0043	0.0031	0.0049	0.0240	0.0357
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0008	0.0044	0.0032	0.2607	1.2558	1.5248
65 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0011	0.0008	-	-	0.0018
70 mph	(0.0132)	(0.0016)	(0.0051)	0.0047	0.0461	0.0294	-	-	0.0602
total	(0.0000)	(0.0001)	(0.0000)	0.0241	0.1460	0.1027	0.3374	1.6279	2.2381

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2022 (Net) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	650	2.40	0.32	0.0005	0.3	0.0019	1.2
2	L	914	2.40	0.32	0.0005	0.4	0.0019	1.7
3	L	867	2.40	0.32	0.0005	0.4	0.0019	1.7
5	L	1,401	2.40	0.32	0.0005	0.7	0.0019	2.7
6	L	2,809	2.40	0.32	0.0005	1.3	0.0019	5.4
8	L	2,094	2.40	0.32	0.0005	1.0	0.0019	4.0
11	L	(422)	2.40	0.32	0.0005	-0.2	0.0019	-0.8
12	L	(643)	2.40	0.32	0.0005	-0.3	0.0019	-1.2
14	L	(345)	2.40	0.32	0.0005	-0.2	0.0019	-0.7
18	L	364	2.40	0.32	0.0005	0.2	0.0019	0.7
19	L	1,734	2.40	0.32	0.0005	0.8	0.0019	3.3
21	L	891	2.40	0.32	0.0005	0.4	0.0019	1.7
24	L	2,004	2.40	0.32	0.0005	0.9	0.0019	3.8
30	L	(1,969)	2.40	0.32	0.0005	-0.9	0.0019	-3.8
29	L	942	2.40	0.32	0.0005	0.4	0.0019	1.8
31	L	(68)	2.40	0.32	0.0005	0.0	0.0019	-0.1
TOTAL						5.2		21.4

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2022 (Net) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	28,788	2.40	0.032	0.0001	1.66	0.0002	6.75
Freeway	F	53,209	2.40	0.015	0.0000	1.54	0.0001	6.26
TOTAL		81,997				3.19		13.01

World Logistics Center
Mobile Emissions - 2022 (Net) - Mitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0076	0.0150	0.0118	0.0143	0.0186	0.0207	0.0378	0.2340
15 mph	0.0067	0.0129	0.0103	0.0125	0.0165	0.0183	0.0332	0.2082
20 mph	0.0060	0.0114	0.0092	0.0112	0.0151	0.0166	0.0299	0.1897
25 mph	0.0054	0.0103	0.0083	0.0101	0.0139	0.0152	0.0269	0.1774
30 mph	0.0050	0.0096	0.0076	0.0094	0.0131	0.0141	0.0246	0.1681
35 mph	0.0047	0.0090	0.0072	0.0088	0.0125	0.0134	0.0228	0.1621
40 mph	0.0045	0.0087	0.0068	0.0084	0.0121	0.0128	0.0220	0.1570
45 mph	0.0044	0.0085	0.0066	0.0082	0.0119	0.0124	0.0210	0.1548
50 mph	0.0043	0.0085	0.0066	0.0082	0.0119	0.0124	0.0212	0.1545
55 mph	0.0044	0.0088	0.0067	0.0083	0.0121	0.0125	0.0210	0.1580
60 mph	0.0046	0.0093	0.0071	0.0088	0.0127	0.0131	0.0224	0.1623
65 mph	0.0048	0.0100	0.0074	0.0092	0.0133	0.0137	0.0237	0.1679
70 mph	0.0050	0.0116	0.0078	0.0097	0.0147	0.0137	0.0263	0.1771

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0668	0.1407	0.0906	0.1130	0.1563	0.1748	0.3057	0.4627
15 mph	0.0550	0.1169	0.0752	0.0957	0.1018	0.1161	0.2409	0.3610
20 mph	0.0451	0.0960	0.0618	0.0795	0.0868	0.0990	0.2059	0.3040
25 mph	0.0378	0.0803	0.0518	0.0674	0.0771	0.0883	0.1798	0.2622
30 mph	0.0327	0.0691	0.0448	0.0583	0.0700	0.0797	0.1579	0.2302
35 mph	0.0296	0.0620	0.0404	0.0530	0.0702	0.0799	0.1411	0.2059
40 mph	0.0277	0.0578	0.0377	0.0496	0.0683	0.0770	0.1293	0.1890
45 mph	0.0268	0.0558	0.0364	0.0477	0.0667	0.0741	0.1224	0.1792
50 mph	0.0268	0.0558	0.0364	0.0480	0.0700	0.0769	0.1206	0.1754
55 mph	0.0281	0.0583	0.0381	0.0507	0.0731	0.0796	0.1240	0.1823
60 mph	0.0304	0.0633	0.0412	0.0549	0.0737	0.0797	0.1323	0.1925
65 mph	0.0342	0.0705	0.0463	0.0618	0.0749	0.0802	0.1456	0.2087
70 mph	0.0372	0.0737	0.0496	0.0674	0.0762	0.0815	0.1465	0.2107

*US EPA Emission Factors for Greenhouse Gas Inventories. (idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.9914
15 mph								0.8319
20 mph								0.7253
25 mph								0.6671
30 mph								0.6297
35 mph								0.6002
40 mph								0.5760
45 mph								0.5558
50 mph								0.5386
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0040	0.0006	0.0023	0.0064	0.0037	0.0013	0.0042	0.0002	0.0226
15 mph	0.0014	0.0002	0.0008	0.0022	0.0013	0.0005	0.0012	0.0001	0.0077
20 mph	0.0025	0.0004	0.0014	0.0040	0.0024	0.0008	0.0022	0.0001	0.0138
25 mph	0.0114	0.0016	0.0065	0.0181	0.0110	0.0037	0.0110	0.0005	0.0639
30 mph	0.0116	0.0017	0.0066	0.0184	0.0114	0.0038	0.0091	0.0005	0.0631
35 mph	0.0089	0.0013	0.0050	0.0142	0.0089	0.0030	0.0038	0.0002	0.0454
40 mph	0.0028	0.0004	0.0016	0.0045	0.0029	0.0009	0.0041	0.0002	0.0175
45 mph	0.0023	0.0003	0.0013	0.0037	0.0023	0.0008	0.0031	0.0002	0.0140
50 mph	0.0023	0.0003	0.0013	0.0037	0.0024	0.0008	0.0051	0.0003	0.0161
55 mph	0.0018	0.0003	0.0011	0.0030	0.0019	0.0006	0.0012	0.0001	0.0099
60 mph	0.0038	0.0006	0.0022	0.0063	0.0040	0.0013	0.0013	0.0001	0.0196
65 mph	0.0005	0.0001	0.0003	0.0008	0.0005	0.0002	-	-	0.0024
70 mph	-	-	-	-	-	-	-	-	-
total	0.0534	0.0078	0.0304	0.0854	0.0527	0.0176	0.0464	0.0023	0.2960

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0026)	(0.0004)	(0.0015)	0.0016	0.0015	0.0005	-	-	(0.0008)
15 mph	(0.0023)	(0.0003)	(0.0013)	0.0014	0.0014	0.0005	-	-	(0.0007)
20 mph	(0.0020)	(0.0003)	(0.0012)	0.0012	0.0012	0.0004	0.0052	0.0002	0.0049
25 mph	(0.0037)	(0.0005)	(0.0021)	0.0022	0.0023	0.0008	0.0082	0.0004	0.0076
30 mph	(0.0068)	(0.0010)	(0.0039)	0.0041	0.0043	0.0015	0.0128	0.0006	0.0118
35 mph	(0.0144)	(0.0021)	(0.0081)	0.0087	0.0094	0.0031	0.0119	0.0006	0.0091
40 mph	(0.0153)	(0.0022)	(0.0086)	0.0093	0.0101	0.0033	0.0105	0.0005	0.0076
45 mph	(0.0119)	(0.0017)	(0.0067)	0.0072	0.0079	0.0026	0.0073	0.0004	0.0051
50 mph	(0.0132)	(0.0020)	(0.0075)	0.0081	0.0089	0.0029	0.0037	0.0002	0.0011
55 mph	(0.0074)	(0.0011)	(0.0042)	0.0046	0.0050	0.0016	0.0018	0.0001	0.0004
60 mph	(0.0047)	(0.0007)	(0.0027)	0.0029	0.0032	0.0010	0.1367	0.0072	0.1429
65 mph	(0.0016)	(0.0003)	(0.0009)	0.0010	0.0011	0.0004	-	-	(0.0003)
70 mph	(0.0770)	(0.0136)	(0.0451)	0.0493	0.0561	0.0163	-	-	(0.0140)
total	(0.1629)	(0.0261)	(0.0938)	0.1017	0.1125	0.0349	0.1983	0.0103	0.1748

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0001	0.0002	0.0000	0.0008
15 mph	0.0185	0.0027	0.0107	0.0039	0.0027	0.0009	0.0024	0.0001	0.0420
25 mph	-	-	-	-	0.0044	0.0015	0.0086	0.0004	0.0149
35 mph	0.0568	0.0081	0.0320	0.0107	-	-	-	-	0.1076
total	0.0753	0.0108	0.0426	0.0146	0.0075	0.0026	0.0112	0.0005	0.1652

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0001	0.0002	0.0000	0.0008
10 mph	0.0014	0.0002	0.0008	0.0080	0.0052	0.0018	0.0042	0.0002	0.0219
15 mph	0.0177	0.0026	0.0102	0.0075	0.0054	0.0019	0.0037	0.0002	0.0490
20 mph	0.0005	0.0001	0.0003	0.0052	0.0036	0.0012	0.0074	0.0003	0.0187
25 mph	0.0077	0.0011	0.0044	0.0204	0.0177	0.0060	0.0278	0.0013	0.0864
30 mph	0.0048	0.0007	0.0027	0.0226	0.0157	0.0053	0.0220	0.0011	0.0748
35 mph	0.0513	0.0074	0.0289	0.0337	0.0183	0.0061	0.0157	0.0008	0.1621
40 mph	(0.0125)	(0.0018)	(0.0070)	0.0138	0.0130	0.0043	0.0146	0.0008	0.0251
45 mph	(0.0096)	(0.0014)	(0.0054)	0.0109	0.0102	0.0033	0.0104	0.0006	0.0191
50 mph	(0.0109)	(0.0016)	(0.0062)	0.0118	0.0113	0.0036	0.0088	0.0005	0.0172
55 mph	(0.0056)	(0.0008)	(0.0032)	0.0076	0.0069	0.0022	0.0030	0.0002	0.0103
60 mph	(0.0008)	(0.0001)	(0.0005)	0.0092	0.0072	0.0023	0.1380	0.0072	0.1625
65 mph	(0.0011)	(0.0002)	(0.0006)	0.0018	0.0016	0.0005	-	-	0.0021
70 mph	(0.0770)	(0.0136)	(0.0451)	0.0493	0.0561	0.0163	-	-	(0.0140)
total	(0.0342)	(0.0075)	(0.0208)	0.2017	0.1727	0.0551	0.2559	0.0131	0.6359

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0003	0.0000	0.0001	0.0011	0.0209	0.0170	0.1649	0.4777	0.6820
15 mph	0.0001	0.0000	0.0000	0.0004	0.0054	0.0045	0.0433	0.1242	0.1780
20 mph	0.0002	0.0000	0.0001	0.0006	0.0093	0.0077	0.0740	0.2093	0.3011
25 mph	0.0007	0.0000	0.0003	0.0026	0.0411	0.0344	0.3555	0.9928	1.4274
30 mph	0.0007	0.0000	0.0002	0.0024	0.0411	0.0342	0.2838	0.7924	1.1549
35 mph	0.0005	0.0000	0.0002	0.0018	0.0337	0.0280	0.1141	0.3189	0.4973
40 mph	0.0002	0.0000	0.0001	0.0006	0.0109	0.0090	0.1162	0.3252	0.4621
45 mph	0.0001	0.0000	0.0000	0.0005	0.0089	0.0072	0.0880	0.2466	0.3514
50 mph	0.0001	0.0000	0.0000	0.0005	0.0093	0.0075	0.1410	0.3924	0.5509
55 mph	0.0001	0.0000	0.0000	0.0004	0.0078	0.0062	0.0334	0.0941	0.1421
60 mph	0.0002	0.0000	0.0001	0.0008	0.0157	0.0124	0.0357	0.0994	0.1644
65 mph	0.0000	0.0000	0.0000	0.0001	0.0020	0.0016	-	-	0.0037
70 mph	-	-	-	-	-	-	-	-	-
total	0.0033	0.0000	0.0012	0.0116	0.2062	0.1698	1.4500	4.0731	5.9152

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0002)	(0.0000)	(0.0001)	0.0003	0.0088	0.0072	-	-	0.0159
15 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0057	0.0048	-	-	0.0105
20 mph	(0.0001)	(0.0000)	(0.0000)	0.0002	0.0049	0.0041	0.1734	0.4902	0.6725
25 mph	(0.0002)	(0.0000)	(0.0001)	0.0003	0.0086	0.0072	0.2650	0.7400	1.0208
30 mph	(0.0004)	(0.0000)	(0.0001)	0.0005	0.0157	0.0131	0.3990	1.1137	1.5415
35 mph	(0.0008)	(0.0000)	(0.0003)	0.0011	0.0354	0.0294	0.3564	0.9961	1.4174
40 mph	(0.0008)	(0.0000)	(0.0003)	0.0012	0.0383	0.0315	0.2994	0.8379	1.2072
45 mph	(0.0007)	(0.0000)	(0.0002)	0.0009	0.0299	0.0243	0.2063	0.5778	0.8382
50 mph	(0.0007)	(0.0000)	(0.0003)	0.0010	0.0353	0.0283	0.1016	0.2829	0.4481
55 mph	(0.0004)	(0.0000)	(0.0002)	0.0006	0.0205	0.0163	0.0522	0.1470	0.2360
60 mph	(0.0003)	(0.0000)	(0.0001)	0.0004	0.0124	0.0098	3.8989	10.8629	14.7840
65 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0042	0.0033	-	-	0.0075
70 mph	(0.0052)	(0.0000)	(0.0018)	0.0072	0.1965	0.1534	-	-	0.3501
total	(0.0102)	(0.0001)	(0.0036)	0.0140	0.4163	0.3327	5.7521	16.0484	22.5496

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0001	0.0001	0.0003	0.0007	0.0012
15 mph	0.0014	0.0000	0.0005	0.0006	0.0114	0.0095	0.0851	0.2442	0.3527
25 mph	-	-	-	-	0.0164	0.0137	0.2780	0.7764	1.0844
35 mph	0.0032	0.0000	0.0011	0.0014	-	-	-	-	0.0057
total	0.0046	0.0000	0.0016	0.0020	0.0278	0.0232	0.3635	1.0212	1.4440

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0001	0.0001	0.0003	0.0007	0.0012
10 mph	0.0001	0.0000	0.0000	0.0013	0.0296	0.0242	0.1649	0.4777	0.6979
15 mph	0.0013	0.0000	0.0005	0.0012	0.0225	0.0188	0.1284	0.3684	0.5411
20 mph	0.0000	0.0000	0.0000	0.0008	0.0141	0.0118	0.2474	0.6995	0.9736
25 mph	0.0005	0.0000	0.0002	0.0029	0.0661	0.0553	0.8985	2.5091	3.5326
30 mph	0.0003	0.0000	0.0001	0.0030	0.0568	0.0472	0.6828	1.9062	2.6964
35 mph	0.0029	0.0000	0.0010	0.0043	0.0691	0.0575	0.4706	1.3150	1.9204
40 mph	(0.0007)	(0.0000)	(0.0002)	0.0017	0.0493	0.0406	0.4156	1.1631	1.6692
45 mph	(0.0005)	(0.0000)	(0.0002)	0.0013	0.0388	0.0315	0.2943	0.8244	1.1896
50 mph	(0.0006)	(0.0000)	(0.0002)	0.0015	0.0447	0.0358	0.2426	0.6753	0.9990
55 mph	(0.0003)	(0.0000)	(0.0001)	0.0010	0.0283	0.0225	0.0856	0.2411	0.3780
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0012	0.0281	0.0222	3.9345	10.9623	14.9484
65 mph	(0.0001)	(0.0000)	(0.0000)	0.0003	0.0062	0.0048	-	-	0.0112
70 mph	(0.0052)	(0.0000)	(0.0018)	0.0072	0.1965	0.1534	-	-	0.3501
total	(0.0024)	(0.0000)	(0.0008)	0.0277	0.6504	0.5257	7.5655	21.1427	29.9089

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0516	0.0516
15 mph								0.0144	0.0144
20 mph								0.0252	0.0252
25 mph								0.1274	0.1274
30 mph								0.1094	0.1094
35 mph								0.0469	0.0469
40 mph								0.0500	0.0500
45 mph								0.0386	0.0386
50 mph								0.0608	0.0608
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.5244	0.5244

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0590	0.0590
25 mph								0.0950	0.0950
30 mph								0.1537	0.1537
35 mph								0.1465	0.1465
40 mph								0.1289	0.1289
45 mph								0.0904	0.0904
50 mph								0.0438	0.0438
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.4542	0.4542

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0001	0.0001
15 mph								0.0284	0.0284
25 mph								0.0996	0.0996
35 mph								-	-
total	-	-	-	-	-	-	-	0.1281	0.1281

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0001	0.0001
10 mph								0.0516	0.0516
15 mph								0.0428	0.0428
20 mph								0.0842	0.0842
25 mph								0.3221	0.3221
30 mph								0.2631	0.2631
35 mph								0.1934	0.1934
40 mph								0.1789	0.1789
45 mph								0.1290	0.1290
50 mph								0.1046	0.1046
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.3698	1.3698

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0005	0.0002	0.0005	0.0008	0.0021
10 mph	0.0015	0.0002	0.0009	0.0093	0.0349	0.0260	0.1691	0.5296	0.7714
15 mph	0.0190	0.0026	0.0106	0.0087	0.0279	0.0206	0.1321	0.4114	0.6330
20 mph	0.0005	0.0001	0.0003	0.0060	0.0178	0.0130	0.2549	0.7840	1.0765
25 mph	0.0082	0.0011	0.0046	0.0232	0.0838	0.0614	0.9263	2.8325	3.9410
30 mph	0.0051	0.0007	0.0028	0.0255	0.0726	0.0525	0.7048	2.1703	3.0343
35 mph	0.0541	0.0074	0.0299	0.0379	0.0874	0.0635	0.4863	1.5092	2.2759
40 mph	(0.0132)	(0.0018)	(0.0073)	0.0155	0.0622	0.0448	0.4302	1.3427	1.8732
45 mph	(0.0101)	(0.0014)	(0.0056)	0.0122	0.0490	0.0348	0.3047	0.9540	1.3378
50 mph	(0.0116)	(0.0016)	(0.0064)	0.0133	0.0559	0.0395	0.2514	0.7804	1.1209
55 mph	(0.0059)	(0.0008)	(0.0033)	0.0086	0.0352	0.0247	0.0886	0.2412	0.3883
60 mph	(0.0009)	(0.0001)	(0.0005)	0.0104	0.0353	0.0245	4.0725	10.9695	15.1109
65 mph	(0.0012)	(0.0002)	(0.0007)	0.0021	0.0078	0.0054	-	-	0.0133
70 mph	(0.0822)	(0.0136)	(0.0469)	0.0565	0.2527	0.1698	-	-	0.3362
STREX	0.0236	0.0020	0.0113	0.0470	0.0198	0.0061	0.0068	0.0000	0.1166
total	(0.0130)	(0.0055)	(0.0103)	0.2763	0.8429	0.5870	7.8282	22.5257	**32.0312**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0257	0.0293	0.0330	0.0360	0.0412	0.0409	0.0289	0.0170
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0236	0.0020	0.0113	0.0470	0.0198	0.0061	0.0068	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0236	0.0020	0.0113	0.0470	0.0198	0.0061	0.0068	0.0000

World Logistics Center
Mobile Emissions - 2022 (Net) - Mitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					2.3329	2.3473	3.3364	3.9099
10 mph	0.0124	0.0290	0.0191	0.0252	0.0265	0.0216	0.0587	0.5008
15 mph	0.0083	0.0198	0.0129	0.0171	0.0181	0.0147	0.0388	0.3354
20 mph	0.0059	0.0142	0.0092	0.0122	0.0132	0.0105	0.0275	0.2384
25 mph	0.0043	0.0107	0.0068	0.0091	0.0100	0.0078	0.0200	0.1822
30 mph	0.0034	0.0085	0.0053	0.0071	0.0079	0.0061	0.0153	0.1459
35 mph	0.0027	0.0071	0.0043	0.0058	0.0067	0.0050	0.0124	0.1236
40 mph	0.0024	0.0062	0.0038	0.0051	0.0059	0.0044	0.0109	0.1087
45 mph	0.0022	0.0057	0.0035	0.0046	0.0055	0.0041	0.0098	0.1020
50 mph	0.0021	0.0055	0.0034	0.0045	0.0055	0.0040	0.0098	0.0990
55 mph	0.0021	0.0055	0.0034	0.0046	0.0056	0.0040	0.0098	0.1032
60 mph	0.0023	0.0057	0.0036	0.0049	0.0061	0.0044	0.0109	0.1086
65 mph	0.0025	0.0063	0.0039	0.0053	0.0070	0.0050		
70 mph	0.0026	0.0076	0.0042	0.0055	0.0072	0.0046		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0237	0.1099
10 mph	0.0065	0.0257	0.0092	0.0060	0.0249	0.0250	0.0020	0.0092
15 mph	0.0035	0.0180	0.0046	0.0030	0.0136	0.0135	0.0012	0.0049
20 mph	0.0017	0.0132	0.0019	0.0013	0.0069	0.0067	0.0008	0.0024
25 mph	0.0012	0.0105	0.0012	0.0008	0.0048	0.0046	0.0006	0.0020
30 mph	0.0009	0.0088	0.0009	0.0006	0.0039	0.0037	0.0005	0.0015
35 mph	0.0007	0.0077	0.0008	0.0005	0.0033	0.0031	0.0004	0.0012
40 mph	0.0006	0.0071	0.0006	0.0004	0.0029	0.0027	0.0003	0.0010
45 mph	0.0006	0.0067	0.0006	0.0004	0.0027	0.0025	0.0003	0.0009
50 mph	0.0005	0.0067	0.0005	0.0004	0.0026	0.0024	0.0003	0.0008
55 mph	0.0005	0.0071	0.0005	0.0003	0.0026	0.0024	0.0003	0.0009
60 mph	0.0006	0.0077	0.0005	0.0003	0.0027	0.0025	0.0003	0.0010
65 mph	0.0006	0.0090	0.0005	0.0003	0.0032	0.0028		
70 mph	0.0005	0.0109	0.0006	0.0004	0.0045	0.0037		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								2.0543
10 mph								13.4002
15 mph								8.9009
20 mph								6.0842
25 mph								4.4747
30 mph								3.3514
35 mph								2.5172
40 mph								1.8994
45 mph								1.4446
50 mph								1.1135
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0065	0.0011	0.0037	0.0113	0.0052	0.0013	0.0065	0.0004	0.0361
15 mph	0.0017	0.0003	0.0010	0.0031	0.0014	0.0004	0.0014	0.0001	0.0094
20 mph	0.0025	0.0004	0.0014	0.0044	0.0021	0.0005	0.0020	0.0001	0.0135
25 mph	0.0091	0.0017	0.0053	0.0162	0.0079	0.0019	0.0082	0.0005	0.0508
30 mph	0.0077	0.0015	0.0046	0.0139	0.0069	0.0017	0.0057	0.0004	0.0423
35 mph	0.0052	0.0010	0.0031	0.0093	0.0047	0.0011	0.0021	0.0001	0.0266
40 mph	0.0015	0.0003	0.0009	0.0027	0.0014	0.0003	0.0020	0.0001	0.0093
45 mph	0.0011	0.0002	0.0007	0.0021	0.0011	0.0003	0.0015	0.0001	0.0070
50 mph	0.0011	0.0002	0.0007	0.0020	0.0011	0.0002	0.0024	0.0002	0.0079
55 mph	0.0009	0.0002	0.0005	0.0016	0.0009	0.0002	0.0005	0.0000	0.0049
60 mph	0.0019	0.0004	0.0011	0.0035	0.0019	0.0004	0.0006	0.0000	0.0098
65 mph	0.0003	0.0000	0.0002	0.0005	0.0003	0.0001	-	-	0.0013
70 mph	-	-	-	-	-	-	-	-	-
total	0.0395	0.0074	0.0231	0.0705	0.0349	0.0084	0.0330	0.0022	0.2190

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0042)	(0.0007)	(0.0024)	0.0028	0.0022	0.0006	-	-	(0.0018)
15 mph	(0.0028)	(0.0005)	(0.0016)	0.0019	0.0015	0.0004	-	-	(0.0012)
20 mph	(0.0020)	(0.0004)	(0.0012)	0.0013	0.0011	0.0003	0.0048	0.0003	0.0043
25 mph	(0.0029)	(0.0005)	(0.0017)	0.0020	0.0017	0.0004	0.0061	0.0004	0.0054
30 mph	(0.0045)	(0.0009)	(0.0027)	0.0031	0.0026	0.0006	0.0080	0.0006	0.0068
35 mph	(0.0084)	(0.0016)	(0.0049)	0.0057	0.0050	0.0012	0.0065	0.0005	0.0039
40 mph	(0.0081)	(0.0016)	(0.0048)	0.0056	0.0049	0.0012	0.0052	0.0004	0.0028
45 mph	(0.0059)	(0.0012)	(0.0035)	0.0041	0.0037	0.0008	0.0034	0.0003	0.0017
50 mph	(0.0065)	(0.0013)	(0.0038)	0.0045	0.0041	0.0009	0.0017	0.0001	(0.0002)
55 mph	(0.0036)	(0.0007)	(0.0021)	0.0025	0.0023	0.0005	0.0009	0.0001	(0.0002)
60 mph	(0.0023)	(0.0004)	(0.0013)	0.0016	0.0015	0.0003	0.0663	0.0048	0.0704
65 mph	(0.0008)	(0.0002)	(0.0005)	0.0006	0.0006	0.0001	-	-	(0.0002)
70 mph	(0.0408)	(0.0089)	(0.0241)	0.0279	0.0274	0.0055	-	-	(0.0129)
total	(0.0928)	(0.0188)	(0.0547)	0.0636	0.0586	0.0129	0.1028	0.0074	0.0789

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0769	0.0242	0.0500	0.0006	0.1517
15 mph	0.0231	0.0041	0.0134	0.0053	0.0030	0.0008	0.0028	0.0002	0.0527
25 mph	-	-	-	-	0.0031	0.0008	0.0064	0.0004	0.0107
35 mph	0.0328	0.0063	0.0194	0.0071	-	-	-	-	0.0656
total	0.0560	0.0105	0.0327	0.0123	0.0830	0.0257	0.0593	0.0012	0.2807

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0769	0.0242	0.0500	0.0006	0.1517
10 mph	0.0023	0.0004	0.0013	0.0140	0.0074	0.0019	0.0065	0.0004	0.0343
15 mph	0.0220	0.0039	0.0128	0.0102	0.0059	0.0015	0.0043	0.0003	0.0609
20 mph	0.0005	0.0001	0.0003	0.0057	0.0032	0.0008	0.0068	0.0004	0.0178
25 mph	0.0061	0.0011	0.0036	0.0182	0.0126	0.0031	0.0207	0.0014	0.0668
30 mph	0.0032	0.0006	0.0019	0.0170	0.0095	0.0023	0.0137	0.0009	0.0492
35 mph	0.0297	0.0057	0.0175	0.0221	0.0097	0.0023	0.0086	0.0006	0.0962
40 mph	(0.0066)	(0.0013)	(0.0039)	0.0083	0.0063	0.0015	0.0073	0.0005	0.0121
45 mph	(0.0048)	(0.0009)	(0.0028)	0.0062	0.0048	0.0011	0.0049	0.0004	0.0088
50 mph	(0.0054)	(0.0010)	(0.0032)	0.0065	0.0052	0.0012	0.0041	0.0003	0.0077
55 mph	(0.0027)	(0.0005)	(0.0016)	0.0041	0.0032	0.0007	0.0014	0.0001	0.0047
60 mph	(0.0004)	(0.0001)	(0.0002)	0.0051	0.0034	0.0008	0.0669	0.0048	0.0803
65 mph	(0.0006)	(0.0001)	(0.0003)	0.0011	0.0009	0.0002	-	-	0.0011
70 mph	(0.0408)	(0.0089)	(0.0241)	0.0279	0.0274	0.0055	-	-	(0.0129)
total	0.0026	(0.0009)	0.0012	0.1464	0.1765	0.0470	0.1951	0.0108	0.5786

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0001	0.0033	0.0024	0.0011	0.0095	0.0165
15 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0002	0.0017	0.0032
20 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0003	0.0016	0.0032
25 mph	0.0000	0.0000	0.0000	0.0000	0.0026	0.0018	0.0012	0.0074	0.0131
30 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0016	0.0009	0.0053	0.0101
35 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0011	0.0003	0.0019	0.0050
40 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	0.0003	0.0018	0.0029
45 mph	0.0000	0.0000	0.0000	0.0000	0.0004	0.0002	0.0002	0.0013	0.0021
50 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	0.0003	0.0019	0.0028
55 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	0.0001	0.0005	0.0010
60 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	0.0001	0.0005	0.0016
65 mph	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	-	-	0.0001
70 mph	-	-	-	-	-	-	-	-	-
total	0.0001	0.0000	0.0000	0.0002	0.0133	0.0094	0.0050	0.0334	0.0615

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0014	0.0010	-	-	0.0024
15 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0008	0.0006	-	-	0.0013
20 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0004	0.0003	0.0007	0.0039	0.0052
25 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0005	0.0004	0.0009	0.0055	0.0073
30 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0009	0.0006	0.0012	0.0075	0.0102
35 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0017	0.0011	0.0010	0.0060	0.0098
40 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0016	0.0011	0.0008	0.0046	0.0081
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0012	0.0008	0.0005	0.0029	0.0055
50 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0013	0.0009	0.0002	0.0014	0.0038
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0007	0.0005	0.0001	0.0008	0.0021
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0005	0.0003	0.0103	0.0566	0.0677
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0002	0.0001	-	-	0.0003
70 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0116	0.0070	-	-	0.0186
total	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0227	0.0148	0.0158	0.0891	0.1422

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0033	0.0024	0.0017	0.0153	0.0226
15 mph	0.0001	0.0000	0.0000	0.0000	0.0015	0.0011	0.0004	0.0033	0.0065
25 mph	-	-	-	-	0.0010	0.0007	0.0010	0.0058	0.0085
35 mph	0.0001	0.0000	0.0000	0.0000	-	-	-	-	0.0001
total	0.0002	0.0000	0.0001	0.0000	0.0058	0.0042	0.0031	0.0244	0.0378

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0033	0.0024	0.0017	0.0153	0.0226
10 mph	0.0000	0.0000	0.0000	0.0001	0.0047	0.0035	0.0011	0.0095	0.0189
15 mph	0.0001	0.0000	0.0000	0.0000	0.0030	0.0022	0.0006	0.0050	0.0110
20 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0008	0.0010	0.0055	0.0084
25 mph	0.0000	0.0000	0.0000	0.0000	0.0041	0.0029	0.0031	0.0187	0.0289
30 mph	0.0000	0.0000	0.0000	0.0000	0.0031	0.0022	0.0021	0.0128	0.0203
35 mph	0.0001	0.0000	0.0000	0.0000	0.0033	0.0022	0.0013	0.0079	0.0149
40 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0021	0.0014	0.0011	0.0064	0.0110
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0016	0.0011	0.0007	0.0042	0.0075
50 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0017	0.0011	0.0006	0.0032	0.0066
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0010	0.0007	0.0002	0.0012	0.0031
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0010	0.0007	0.0104	0.0571	0.0693
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0003	0.0002	-	-	0.0004
70 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0116	0.0070	-	-	0.0186
total	0.0001	(0.0000)	0.0000	0.0003	0.0419	0.0284	0.0239	0.1469	0.2415

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.6981	0.6981
15 mph								0.1546	0.1546
20 mph								0.2113	0.2113
25 mph								0.8548	0.8548
30 mph								0.5820	0.5820
35 mph								0.1967	0.1967
40 mph								0.1649	0.1649
45 mph								0.1003	0.1003
50 mph								0.1257	0.1257
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.0884	3.0884

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.4950	0.4950
25 mph								0.6371	0.6371
30 mph								0.8180	0.8180
35 mph								0.6144	0.6144
40 mph								0.4250	0.4250
45 mph								0.2351	0.2351
50 mph								0.0906	0.0906
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.5645	2.5645

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0144	0.0144
15 mph								0.3038	0.3038
25 mph								0.6684	0.6684
35 mph								-	-
total	-	-	-	-	-	-	-	0.9867	0.9867

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0144	0.0144
10 mph								0.6981	0.6981
15 mph								0.4584	0.4584
20 mph								0.7063	0.7063
25 mph								2.1603	2.1603
30 mph								1.4000	1.4000
35 mph								0.8111	0.8111
40 mph								0.5899	0.5899
45 mph								0.3354	0.3354
50 mph								0.2163	0.2163
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	7.3902	7.3902

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0802	0.0265	0.0518	0.0302	0.1887
10 mph	0.0023	0.0004	0.0013	0.0141	0.0122	0.0054	0.0076	0.7080	0.7513
15 mph	0.0221	0.0039	0.0128	0.0102	0.0089	0.0037	0.0049	0.4637	0.5304
20 mph	0.0005	0.0001	0.0003	0.0057	0.0043	0.0016	0.0078	0.7122	0.7325
25 mph	0.0062	0.0011	0.0036	0.0182	0.0168	0.0060	0.0238	2.1804	2.2560
30 mph	0.0032	0.0006	0.0019	0.0171	0.0127	0.0045	0.0158	1.4137	1.4694
35 mph	0.0297	0.0057	0.0175	0.0221	0.0130	0.0045	0.0099	0.8196	0.9221
40 mph	(0.0066)	(0.0013)	(0.0039)	0.0083	0.0085	0.0029	0.0083	0.5968	0.6130
45 mph	(0.0048)	(0.0009)	(0.0028)	0.0062	0.0063	0.0022	0.0056	0.3400	0.3517
50 mph	(0.0054)	(0.0010)	(0.0032)	0.0065	0.0068	0.0023	0.0047	0.2198	0.2306
55 mph	(0.0027)	(0.0005)	(0.0016)	0.0041	0.0042	0.0014	0.0016	0.0013	0.0078
60 mph	(0.0004)	(0.0001)	(0.0002)	0.0051	0.0045	0.0015	0.0773	0.0620	0.1496
65 mph	(0.0006)	(0.0001)	(0.0003)	0.0011	0.0011	0.0004	-	-	0.0015
70 mph	(0.0408)	(0.0089)	(0.0241)	0.0280	0.0390	0.0126	-	-	0.0056
STREX	0.0485	0.0053	0.0242	0.1120	0.0121	0.0038	0.0093	0.0000	0.2152
total	0.0512	0.0044	0.0254	0.2587	0.2305	0.0791	0.2284	7.5479	**8.4254**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0530	0.0767	0.0708	0.0859	0.0252	0.0250	0.0397	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0485	0.0053	0.0242	0.1120	0.0121	0.0038	0.0093	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0485	0.0053	0.0242	0.1120	0.0121	0.0038	0.0093	0.0000

World Logistics Center
Mobile Emissions - 2022 (Net) - Mitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,576.46	5,337.97	13,640.12	24,287.92
10 mph	509.86	593.79	640.37	783.42	1,520.84	1,748.13	3,170.90	3,947.37
15 mph	417.03	485.43	523.48	640.00	1,242.56	1,427.82	2,593.12	3,233.32
20 mph	346.79	403.69	435.28	532.20	1,032.87	1,187.02	2,153.98	2,691.76
25 mph	296.60	345.41	372.34	455.62	882.98	1,014.75	1,842.18	2,303.18
30 mph	263.22	306.67	330.52	404.89	783.73	900.72	1,635.77	2,043.60
35 mph	244.06	284.53	306.56	376.11	726.81	835.36	1,516.71	1,892.80
40 mph	236.52	275.73	297.04	364.50	703.61	808.71	1,467.92	1,830.15
45 mph	237.77	276.99	298.43	366.06	706.15	811.64	1,473.38	1,832.46
50 mph	245.00	285.42	307.41	377.36	727.08	835.32	1,516.10	1,884.02
55 mph	254.54	296.54	319.45	392.43	757.01	869.65	1,576.41	1,959.51
60 mph	261.94	305.41	329.36	405.10	787.58	904.73	1,640.26	2,038.24
65 mph	268.49	313.66	338.22	416.69	811.78	932.10		
70 mph	271.01	319.10	341.10	425.49	824.03	942.55		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,783.89	6,077.18	6,167.67	5,897.52
10 mph	425.17	895.06	576.67	718.82	994.65	1,112.23	1,944.55	2,943.81
15 mph	349.81	743.87	478.31	609.04	647.68	738.39	1,532.40	2,296.32
20 mph	286.95	611.00	392.96	505.88	552.20	629.98	1,309.65	1,934.19
25 mph	240.51	510.60	329.51	428.56	490.19	561.86	1,143.69	1,668.38
30 mph	208.30	439.75	284.93	370.85	445.63	507.24	1,004.46	1,464.82
35 mph	188.29	394.65	257.10	337.33	446.55	508.21	897.41	1,310.10
40 mph	176.20	367.83	239.93	315.70	434.78	490.13	822.31	1,202.20
45 mph	170.21	354.92	231.35	303.76	424.30	471.36	778.93	1,139.84
50 mph	170.74	355.31	231.63	305.48	445.25	489.22	767.56	1,116.08
55 mph	178.61	371.16	242.14	322.47	465.06	506.14	788.60	1,159.72
60 mph	193.70	402.51	262.35	349.05	469.11	507.33	841.41	1,224.62
65 mph	217.73	448.83	294.61	393.00	476.71	510.27		
70 mph	236.43	469.15	315.27	428.68	484.73	518.25		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								6,046.80
10 mph								4,863.25
15 mph								4,080.85
20 mph								3,557.79
25 mph								3,272.27
30 mph								3,089.03
35 mph								2,944.01
40 mph								2,825.44
45 mph								2,726.31
50 mph								2,642.16
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	266.86	23.40	125.23	350.49	300.30	107.77	353.80	3.19	1,531.04
15 mph	87.31	7.65	40.95	114.53	98.14	35.21	96.45	0.87	481.11
20 mph	145.21	12.73	68.10	190.48	163.16	58.54	160.23	1.45	799.89
25 mph	620.96	54.45	291.26	815.35	697.39	250.23	753.67	6.83	3,490.16
30 mph	606.17	53.18	284.41	797.02	680.90	244.32	608.39	5.51	3,279.90
35 mph	459.87	40.37	215.82	605.75	516.64	185.40	253.85	2.30	2,280.00
40 mph	148.55	13.04	69.71	195.69	166.72	59.83	272.98	2.47	928.98
45 mph	124.45	10.92	58.36	163.77	139.43	50.04	219.20	1.98	768.13
50 mph	128.23	11.25	60.12	168.83	143.56	51.50	366.52	3.30	933.31
55 mph	106.58	9.35	49.98	140.45	119.58	42.89	87.95	0.79	557.57
60 mph	219.36	19.26	103.06	289.98	248.82	89.24	91.51	0.82	1,062.05
65 mph	28.11	2.47	13.23	37.28	32.06	11.49	-	-	124.64
70 mph	-	-	-	-	-	-	-	-	-
total	2,941.65	258.07	1,380.23	3,869.62	3,306.70	1,186.46	3,264.54	29.52	16,236.78

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(172.30)	(15.11)	(80.86)	86.19	126.21	45.30	-	-	(10.57)
15 mph	(140.93)	(12.35)	(66.10)	70.42	103.12	37.00	-	-	(8.85)
20 mph	(117.19)	(10.27)	(54.96)	58.55	85.72	30.76	375.33	3.40	371.33
25 mph	(200.47)	(17.58)	(94.03)	100.26	146.56	52.59	561.74	5.09	554.16
30 mph	(355.81)	(31.22)	(166.94)	178.19	260.16	93.35	855.09	7.75	840.58
35 mph	(742.31)	(65.16)	(348.38)	372.42	542.86	194.80	792.85	7.17	754.26
40 mph	(799.31)	(70.17)	(375.08)	401.03	583.92	209.54	703.40	6.36	659.71
45 mph	(642.82)	(56.39)	(301.46)	322.20	468.82	168.24	513.47	4.63	476.69
50 mph	(745.17)	(65.37)	(349.35)	373.67	543.06	194.79	264.18	2.38	218.19
55 mph	(430.11)	(37.73)	(201.68)	215.88	314.12	112.67	137.34	1.24	111.73
60 mph	(265.56)	(23.32)	(124.77)	133.71	196.08	70.33	10,003.42	90.14	10,080.04
65 mph	(90.73)	(7.98)	(42.71)	45.85	67.37	24.15	-	-	(4.06)
70 mph	(4,212.95)	(373.53)	(1,981.24)	2,153.45	3,145.76	1,123.42	-	-	(145.10)
total	(8,915.67)	(786.17)	(4,187.56)	4,511.82	6,583.76	2,356.94	14,206.82	128.16	13,898.10

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	150.82	54.92	204.57	3.76	414.08
15 mph	1,158.47	101.54	543.34	197.29	205.59	73.76	189.58	1.71	2,471.29
25 mph	-	-	-	-	277.47	99.56	589.37	5.34	971.74
35 mph	2,917.10	256.08	1,369.04	458.40	-	-	-	-	5,000.61
total	4,075.57	357.62	1,912.38	655.68	633.88	228.24	983.53	10.82	8,857.72

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	150.82	54.92	204.57	3.76	414.08
10 mph	94.55	8.29	44.37	436.68	426.51	153.07	353.80	3.19	1,520.47
15 mph	1,104.84	96.84	518.19	382.23	406.85	145.97	286.03	2.59	2,943.54
20 mph	28.01	2.46	13.14	249.03	248.87	89.30	535.55	4.85	1,171.21
25 mph	420.49	36.87	197.23	915.61	1,121.42	402.38	1,904.79	17.27	5,016.06
30 mph	250.36	21.96	117.47	975.21	941.07	337.68	1,463.47	13.26	4,120.48
35 mph	2,634.65	231.28	1,236.48	1,436.57	1,059.51	380.20	1,046.70	9.47	8,034.87
40 mph	(650.75)	(57.13)	(305.37)	596.72	750.64	269.37	976.38	8.83	1,588.69
45 mph	(518.37)	(45.47)	(243.10)	485.96	608.25	218.28	732.67	6.61	1,244.83
50 mph	(616.94)	(54.12)	(289.23)	542.49	686.62	246.29	630.70	5.68	1,151.50
55 mph	(323.52)	(28.38)	(151.70)	356.33	433.70	155.56	225.29	2.03	669.30
60 mph	(46.21)	(4.06)	(21.71)	423.69	444.90	159.57	10,094.93	90.96	11,142.08
65 mph	(62.63)	(5.51)	(29.48)	83.13	99.43	35.64	-	-	120.58
70 mph	(4,212.95)	(373.53)	(1,981.24)	2,153.45	3,145.76	1,123.42	-	-	(145.10)
total	(1,898.46)	(170.48)	(894.95)	9,037.13	10,524.34	3,771.64	18,454.88	168.51	38,992.60

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	2.01	0.02	0.72	6.81	132.71	108.36	1,048.77	3,039.38	4,338.78
15 mph	0.66	0.01	0.24	2.31	34.57	28.78	275.49	790.29	1,132.34
20 mph	1.08	0.01	0.39	3.83	58.94	49.10	470.90	1,331.32	1,915.58
25 mph	4.54	0.04	1.64	16.24	261.61	218.97	2,261.73	6,316.00	9,080.76
30 mph	4.33	0.04	1.56	15.46	261.61	217.45	1,805.82	5,041.26	7,347.52
35 mph	3.20	0.03	1.15	11.51	214.48	178.25	726.02	2,028.94	3,163.58
40 mph	1.00	0.01	0.36	3.59	69.61	57.30	739.18	2,068.71	2,939.76
45 mph	0.80	0.01	0.29	2.88	56.61	45.92	560.15	1,569.12	2,235.78
50 mph	0.81	0.01	0.29	2.89	59.41	47.66	896.94	2,496.68	3,504.69
55 mph	0.67	0.01	0.24	2.44	49.64	39.45	212.66	598.68	903.80
60 mph	1.46	0.01	0.52	5.29	100.14	79.09	226.90	632.19	1,045.61
65 mph	0.21	0.00	0.07	0.74	12.72	9.94	-	-	23.69
70 mph	-	-	-	-	-	-	-	-	-
total	20.76	0.19	7.45	74.01	1,312.04	1,080.28	9,224.55	25,912.60	37,631.89

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(1.30)	(0.01)	(0.46)	1.67	55.78	45.55	-	-	101.23
15 mph	(1.07)	(0.01)	(0.38)	1.42	36.32	30.24	-	-	66.52
20 mph	(0.87)	(0.01)	(0.32)	1.18	30.97	25.80	1,103.07	3,118.63	4,278.45
25 mph	(1.47)	(0.01)	(0.53)	2.00	54.98	46.02	1,685.76	4,707.57	6,494.31
30 mph	(2.54)	(0.02)	(0.91)	3.46	99.96	83.08	2,538.08	7,085.49	9,806.59
35 mph	(5.16)	(0.05)	(1.86)	7.07	225.37	187.30	2,267.59	6,337.07	9,017.33
40 mph	(5.37)	(0.05)	(1.92)	7.36	243.81	200.71	1,904.67	5,330.55	7,679.76
45 mph	(4.15)	(0.04)	(1.48)	5.66	190.35	154.42	1,312.14	3,675.67	5,332.56
50 mph	(4.68)	(0.04)	(1.67)	6.41	224.71	180.30	646.49	1,799.53	2,851.04
55 mph	(2.72)	(0.02)	(0.97)	3.76	130.40	103.63	332.11	934.94	1,501.12
60 mph	(1.77)	(0.02)	(0.63)	2.44	78.92	62.32	24,804.21	69,108.67	94,054.14
65 mph	(0.66)	(0.01)	(0.24)	0.92	26.73	20.90	-	-	47.64
70 mph	(33.14)	(0.29)	(11.63)	45.95	1,250.37	976.22	-	-	2,227.48
total	(64.90)	(0.58)	(23.00)	89.29	2,648.65	2,116.46	36,594.11	102,098.12	143,458.15

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	84.26	98.82	447.13	818.46	1,448.67
15 mph	8.76	0.08	3.15	3.98	72.41	60.28	541.55	1,553.49	2,243.71
25 mph	-	-	-	-	104.08	87.12	1,768.65	4,939.07	6,898.93
35 mph	20.29	0.19	7.29	8.71	-	-	-	-	36.48
total	29.05	0.27	10.44	12.68	260.76	246.23	2,757.33	7,311.02	10,627.78

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	84.26	98.82	447.13	818.46	1,448.67
10 mph	0.71	0.01	0.25	8.49	188.48	153.91	1,048.77	3,039.38	4,440.00
15 mph	8.36	0.08	3.01	7.70	143.30	119.30	817.04	2,343.78	3,442.56
20 mph	0.21	0.00	0.08	5.01	89.91	74.90	1,573.97	4,449.95	6,194.03
25 mph	3.07	0.03	1.11	18.24	420.67	352.10	5,716.13	15,962.64	22,474.00
30 mph	1.79	0.02	0.64	18.92	361.56	300.53	4,343.89	12,126.75	17,154.11
35 mph	18.33	0.17	6.58	27.29	439.85	365.55	2,993.60	8,366.01	12,217.39
40 mph	(4.37)	(0.04)	(1.57)	10.95	313.42	258.01	2,643.85	7,399.26	10,619.51
45 mph	(3.35)	(0.03)	(1.20)	8.54	246.96	200.34	1,872.29	5,244.79	7,568.34
50 mph	(3.88)	(0.04)	(1.38)	9.30	284.12	227.96	1,543.43	4,296.22	6,355.73
55 mph	(2.05)	(0.02)	(0.73)	6.20	180.04	143.08	544.77	1,533.63	2,404.92
60 mph	(0.31)	(0.00)	(0.11)	7.73	179.06	141.41	25,031.11	69,740.86	95,099.75
65 mph	(0.46)	(0.00)	(0.16)	1.66	39.45	30.84	-	-	71.33
70 mph	(33.14)	(0.29)	(11.63)	45.95	1,250.37	976.22	-	-	2,227.48
total	(15.08)	(0.12)	(5.11)	175.98	4,221.45	3,442.97	48,575.99	135,321.74	191,717.82

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								253.36	253.36
15 mph								70.87	70.87
20 mph								123.57	123.57
25 mph								625.08	625.08
30 mph								536.44	536.44
35 mph								230.06	230.06
40 mph								245.33	245.33
45 mph								189.38	189.38
50 mph								298.24	298.24
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2,572.33	2,572.33

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								289.46	289.46
25 mph								465.90	465.90
30 mph								753.96	753.96
35 mph								718.57	718.57
40 mph								632.16	632.16
45 mph								443.62	443.62
50 mph								214.96	214.96
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2,227.88	2,227.88

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								42.34	42.34
15 mph								139.31	139.31
25 mph								488.81	488.81
35 mph								-	-
total	-	-	-	-	-	-	-	670.46	670.46

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								42.34	42.34
10 mph								253.36	253.36
15 mph								210.17	210.17
20 mph								413.03	413.03
25 mph								1,579.79	1,579.79
30 mph								1,290.40	1,290.40
35 mph								948.63	948.63
40 mph								877.49	877.49
45 mph								633.00	633.00
50 mph								513.21	513.21
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	6,761.41	6,761.41

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	235.08	153.74	651.70	864.57	1,905.09
10 mph	95.27	8.30	44.63	445.17	614.99	306.97	1,402.57	3,295.94	6,213.84
15 mph	1,113.20	96.92	521.20	389.94	550.15	265.26	1,103.07	2,556.54	6,596.28
20 mph	28.22	2.46	13.21	254.05	338.78	164.20	2,109.52	4,867.83	7,778.27
25 mph	423.56	36.90	198.34	933.85	1,542.09	754.48	7,620.92	17,559.70	29,069.85
30 mph	252.15	21.98	118.11	994.13	1,302.63	638.21	5,807.37	13,430.41	22,564.98
35 mph	2,652.98	231.45	1,243.07	1,463.86	1,499.36	745.75	4,040.30	9,324.11	21,200.89
40 mph	(655.12)	(57.17)	(306.93)	607.66	1,064.06	527.38	3,620.23	8,285.58	13,085.69
45 mph	(521.72)	(45.50)	(244.30)	494.51	855.21	418.62	2,604.95	5,884.39	9,446.17
50 mph	(620.81)	(54.15)	(290.61)	551.79	970.74	474.26	2,174.13	4,815.11	8,020.44
55 mph	(325.57)	(28.40)	(152.43)	362.54	613.74	298.64	770.06	1,535.66	3,074.22
60 mph	(46.51)	(4.06)	(21.82)	431.43	623.96	300.98	35,126.04	69,831.82	106,241.84
65 mph	(63.09)	(5.51)	(29.64)	84.79	138.88	66.48	-	-	191.91
70 mph	(4,246.09)	(373.82)	(1,992.87)	2,199.40	4,396.12	2,099.64	-	-	2,082.38
STREX	50.07	4.43	23.98	112.39	9.10	3.22	9.11	0.09	212.38
total	(1,863.47)	(166.17)	(876.08)	9,325.50	14,754.88	7,217.83	67,039.97	142,251.75	**237,684.21**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	54.71	64.27	70.11	86.25	18.92	21.43	38.77	52.74
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	50.07	4.43	23.98	112.39	9.10	3.22	9.11	0.09
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	50.07	4.43	23.98	112.39	9.10	3.22	9.11	0.09

World Logistics Center
Mobile Emissions - 2023 (Net) - Mitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
18.16	526.25	201.78	3.31	4.52	51.59	33.97	90.08	4.32	12.66	13.24	30.22	3.31	47.18	12.63	350,521.60

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
3.31	96.04	36.82	0.60	0.82	9.41	6.20	16.44	0.79	2.31	2.42	5.51	0.60	8.61	2.30	63,970.19

World Logistics Center
Mobile Emissions - 2023 (Net) - Mitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	620.43	5.85	14.12	(15,812.52)	(149.05)	(359.99)
LDT1	46.79	0.02	0.44	(1,192.40)	(0.57)	(11.25)
LDT2	231.94	1.59	2.93	(5,911.39)	(40.42)	(74.70)
MDT	882.61	20.11	9.12	13,511.86	307.92	139.67
LHDT1	319.52	228.49	-	8,140.56	5,821.43	-
LHDT2	98.88	164.59	-	2,519.29	4,193.35	-
MHDT	161.81	770.35	-	7,282.72	34,672.64	-
HHDT	1.10	1,475.58	77.64	49.46	66,414.58	3,494.38

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	7,096.00	66.89	161.55	(22,908.52)	(215.94)	(521.54)
LDT1	535.10	0.26	5.05	(1,727.50)	(0.83)	(16.30)
LDT2	2,652.78	18.14	33.52	(8,564.17)	(58.55)	(108.22)
MDT	6,060.15	138.10	62.64	7,451.71	169.81	77.02
LHDT1	2,624.73	1,876.98	-	5,515.83	3,944.45	-
LHDT2	812.29	1,352.04	-	1,707.01	2,841.30	-
MHDT	1,281.04	6,098.97	-	6,001.68	28,573.67	-
HHDT	8.70	11,682.43	614.67	40.76	54,732.15	2,879.71

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	354.80	26.75	132.64	303.01	131.24	40.61	76.86	0.52	1,066.44
15 mph	141.92	10.70	53.06	121.20	52.49	16.25	25.62	0.17	421.42
20 mph	283.84	21.40	106.11	242.41	104.99	32.49	51.24	0.35	842.83
25 mph	1,419.20	107.02	530.56	1,212.03	524.95	162.46	281.83	1.91	4,239.95
30 mph	1,561.12	117.72	583.61	1,333.23	577.44	178.70	256.21	1.74	4,609.78
35 mph	1,277.28	96.32	477.50	1,090.83	472.45	146.21	115.29	0.78	3,676.67
40 mph	425.76	32.11	159.17	363.61	157.48	48.74	128.10	0.87	1,315.84
45 mph	354.80	26.75	132.64	303.01	131.24	40.61	102.48	0.70	1,092.23
50 mph	354.80	26.75	132.64	303.01	131.24	40.61	166.54	1.13	1,156.72
55 mph	283.84	21.40	106.11	242.41	104.99	32.49	38.43	0.26	829.93
60 mph	567.68	42.81	212.22	484.81	209.98	64.98	38.43	0.26	1,621.18
65 mph	70.96	5.35	26.53	60.60	26.25	8.12	-	-	197.81
70 mph	-	-	-	-	-	-	-	-	-
total	7,096.00	535.10	2,652.78	6,060.15	2,624.73	812.29	1,281.04	8.70	21,070.79

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(229.09)	(17.27)	(85.64)	74.52	55.16	17.07	-	-	(185.26)
15 mph	(229.09)	(17.27)	(85.64)	74.52	55.16	17.07	-	-	(185.26)
20 mph	(229.09)	(17.27)	(85.64)	74.52	55.16	17.07	120.03	0.82	(64.41)
25 mph	(458.17)	(34.55)	(171.28)	149.03	110.32	34.14	210.06	1.43	(159.03)
30 mph	(916.34)	(69.10)	(342.57)	298.07	220.63	68.28	360.10	2.45	(378.48)
35 mph	(2,061.77)	(155.47)	(770.78)	670.65	496.42	153.63	360.10	2.45	(1,304.76)
40 mph	(2,290.85)	(172.75)	(856.42)	745.17	551.58	170.70	330.09	2.24	(1,520.23)
45 mph	(1,832.68)	(138.20)	(685.13)	596.14	441.27	136.56	240.07	1.63	(1,240.35)
50 mph	(2,061.77)	(155.47)	(770.78)	670.65	496.42	153.63	120.03	0.82	(1,546.46)
55 mph	(1,145.43)	(86.37)	(428.21)	372.59	275.79	85.35	60.02	0.41	(865.86)
60 mph	(687.26)	(51.82)	(256.93)	223.55	165.47	51.21	4,201.17	28.53	3,673.94
65 mph	(229.09)	(17.27)	(85.64)	74.52	55.16	17.07	-	-	(185.26)
70 mph	(10,537.92)	(794.65)	(3,939.52)	3,427.79	2,537.28	785.22	-	-	(8,521.79)
total	(22,908.52)	(1,727.50)	(8,564.17)	7,451.71	5,515.83	1,707.01	6,001.68	40.76	(12,483.20)

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	21.90	6.78	10.33	0.10	39.12
15 mph	1,883.08	142.00	703.98	208.78	109.97	34.03	50.36	0.34	3,132.55
25 mph	-	-	-	-	208.86	64.64	220.39	1.50	495.38
35 mph	8,102.20	610.97	3,028.94	825.47	-	-	-	-	12,567.59
total	9,985.28	752.98	3,732.92	1,034.25	318.83	98.67	270.75	1.84	16,195.52

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	21.90	6.78	10.33	0.10	39.12
10 mph	125.71	9.48	47.00	377.52	186.39	57.68	76.86	0.52	881.18
15 mph	1,795.92	135.43	671.39	404.50	217.62	67.35	75.98	0.52	3,368.71
20 mph	54.75	4.13	20.47	316.92	160.15	49.56	171.28	1.16	778.42
25 mph	961.03	72.47	359.27	1,361.06	844.12	261.23	712.28	4.84	4,576.30
30 mph	644.78	48.62	241.05	1,631.30	798.07	246.98	616.31	4.19	4,231.30
35 mph	7,317.72	551.82	2,735.67	2,586.95	968.88	299.84	475.39	3.23	14,939.50
40 mph	(1,865.09)	(140.64)	(697.25)	1,108.78	709.07	219.44	458.20	3.11	(204.39)
45 mph	(1,477.88)	(111.44)	(552.49)	899.14	572.50	177.17	342.55	2.33	(148.12)
50 mph	(1,706.97)	(128.72)	(638.14)	973.66	627.66	194.24	286.57	1.95	(389.74)
55 mph	(861.59)	(64.97)	(322.10)	614.99	380.78	117.84	98.45	0.67	(35.92)
60 mph	(119.58)	(9.02)	(44.70)	708.36	375.45	116.19	4,239.61	28.79	5,295.11
65 mph	(158.13)	(11.92)	(59.11)	135.12	81.41	25.19	-	-	12.55
70 mph	(10,537.92)	(794.65)	(3,939.52)	3,427.79	2,537.28	785.22	-	-	(8,521.79)
total	(5,827.23)	(439.42)	(2,178.47)	14,546.11	8,459.39	2,617.96	7,553.47	51.30	24,783.11

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	3.34	0.01	0.91	6.91	93.85	67.60	365.94	700.95	1,239.50
15 mph	1.34	0.01	0.36	2.76	37.54	27.04	121.98	233.65	424.68
20 mph	2.68	0.01	0.73	5.52	75.08	54.08	243.96	467.30	849.35
25 mph	13.38	0.05	3.63	27.62	375.40	270.41	1,341.77	2,570.13	4,602.39
30 mph	14.72	0.06	3.99	30.38	412.94	297.45	1,219.79	2,336.49	4,315.81
35 mph	12.04	0.05	3.26	24.86	337.86	243.37	548.91	1,051.42	2,221.76
40 mph	4.01	0.02	1.09	8.29	112.62	81.12	609.90	1,168.24	1,985.28
45 mph	3.34	0.01	0.91	6.91	93.85	67.60	487.92	934.59	1,595.13
50 mph	3.34	0.01	0.91	6.91	93.85	67.60	792.87	1,518.72	2,484.20
55 mph	2.68	0.01	0.73	5.52	75.08	54.08	182.97	350.47	671.54
60 mph	5.35	0.02	1.45	11.05	150.16	108.16	182.97	350.47	809.63
65 mph	0.67	0.00	0.18	1.38	18.77	13.52	-	-	34.52
70 mph	-	-	-	-	-	-	-	-	-
total	66.89	0.26	18.14	138.10	1,876.98	1,352.04	6,098.97	11,682.43	21,233.81

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(2.16)	(0.01)	(0.59)	1.70	39.44	28.41	-	-	66.80
15 mph	(2.16)	(0.01)	(0.59)	1.70	39.44	28.41	-	-	66.80
20 mph	(2.16)	(0.01)	(0.59)	1.70	39.44	28.41	571.47	1,094.64	1,732.92
25 mph	(4.32)	(0.02)	(1.17)	3.40	78.89	56.83	1,000.08	1,915.63	3,049.31
30 mph	(8.64)	(0.03)	(2.34)	6.79	157.78	113.65	1,714.42	3,283.93	5,265.56
35 mph	(19.43)	(0.07)	(5.27)	15.28	355.00	255.72	1,714.42	3,283.93	5,599.57
40 mph	(21.59)	(0.08)	(5.86)	16.98	394.44	284.13	1,571.55	3,010.27	5,249.85
45 mph	(17.28)	(0.07)	(4.68)	13.59	315.56	227.30	1,142.95	2,189.29	3,866.65
50 mph	(19.43)	(0.07)	(5.27)	15.28	355.00	255.72	571.47	1,094.64	2,267.34
55 mph	(10.80)	(0.04)	(2.93)	8.49	197.22	142.07	285.74	547.32	1,167.07
60 mph	(6.48)	(0.02)	(1.76)	5.09	118.33	85.24	20,001.57	38,312.51	58,514.48
65 mph	(2.16)	(0.01)	(0.59)	1.70	39.44	28.41	-	-	66.80
70 mph	(99.33)	(0.38)	(26.93)	78.11	1,814.45	1,307.00	-	-	3,072.91
total	(215.94)	(0.83)	(58.55)	169.81	3,944.45	2,841.30	28,573.67	54,732.15	89,986.07

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	15.66	11.28	49.19	94.22	170.35
15 mph	17.75	0.07	4.81	4.76	78.64	56.65	239.78	459.29	861.75
25 mph	-	-	-	-	149.36	107.59	1,049.26	2,009.83	3,316.03
35 mph	76.37	0.29	20.71	18.81	-	-	-	-	116.18
total	94.12	0.36	25.52	23.57	228.00	164.24	1,289.04	2,469.12	4,293.96

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	15.66	11.28	49.19	94.22	170.35
10 mph	1.19	0.00	0.32	8.60	133.29	96.02	365.94	700.95	1,306.31
15 mph	16.93	0.06	4.59	9.22	155.63	112.10	361.76	692.94	1,353.22
20 mph	0.52	0.00	0.14	7.22	114.52	82.49	815.43	1,561.94	2,582.27
25 mph	9.06	0.03	2.46	31.02	603.64	434.82	3,391.11	6,495.59	10,967.73
30 mph	6.08	0.02	1.65	37.18	570.71	411.10	2,934.21	5,620.42	9,581.37
35 mph	68.98	0.26	18.70	58.95	692.86	499.09	2,263.33	4,335.35	7,937.52
40 mph	(17.58)	(0.07)	(4.77)	25.27	507.06	365.25	2,181.45	4,178.51	7,235.13
45 mph	(13.93)	(0.05)	(3.78)	20.49	409.40	294.91	1,630.86	3,123.88	5,461.79
50 mph	(16.09)	(0.06)	(4.36)	22.19	448.85	323.32	1,364.34	2,613.36	4,751.54
55 mph	(8.12)	(0.03)	(2.20)	14.01	272.30	196.15	468.71	897.79	1,838.61
60 mph	(1.13)	(0.00)	(0.31)	16.14	268.49	193.40	20,184.54	38,662.98	59,324.12
65 mph	(1.49)	(0.01)	(0.40)	3.08	58.21	41.93	-	-	101.33
70 mph	(99.33)	(0.38)	(26.93)	78.11	1,814.45	1,307.00	-	-	3,072.91
total	(54.93)	(0.21)	(14.89)	331.49	6,049.43	4,357.58	35,961.67	68,883.70	115,513.84

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	8.08	0.25	1.68	3.13	-	-	-	36.88	50.02
15 mph	3.23	0.10	0.67	1.25	-	-	-	12.29	17.55
20 mph	6.46	0.20	1.34	2.51	-	-	-	24.59	35.10
25 mph	32.31	1.01	6.70	12.53	-	-	-	135.23	187.78
30 mph	35.54	1.11	7.37	13.78	-	-	-	122.93	180.74
35 mph	29.08	0.91	6.03	11.28	-	-	-	55.32	102.62
40 mph	9.69	0.30	2.01	3.76	-	-	-	61.47	77.23
45 mph	8.08	0.25	1.68	3.13	-	-	-	49.17	62.31
50 mph	8.08	0.25	1.68	3.13	-	-	-	79.91	93.04
55 mph	6.46	0.20	1.34	2.51	-	-	-	18.44	28.95
60 mph	12.92	0.40	2.68	5.01	-	-	-	18.44	39.46
65 mph	1.62	0.05	0.34	0.63	-	-	-	-	2.63
70 mph	-	-	-	-	-	-	-	-	-
total	161.55	5.05	33.52	62.64	-	-	-	614.67	877.43

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(5.22)	(0.16)	(1.08)	0.77	-	-	-	-	(5.69)
15 mph	(5.22)	(0.16)	(1.08)	0.77	-	-	-	-	(5.69)
20 mph	(5.22)	(0.16)	(1.08)	0.77	-	-	-	57.59	51.90
25 mph	(10.43)	(0.33)	(2.16)	1.54	-	-	-	100.79	89.41
30 mph	(20.86)	(0.65)	(4.33)	3.08	-	-	-	172.78	150.02
35 mph	(46.94)	(1.47)	(9.74)	6.93	-	-	-	172.78	121.57
40 mph	(52.15)	(1.63)	(10.82)	7.70	-	-	-	158.38	101.48
45 mph	(41.72)	(1.30)	(8.66)	6.16	-	-	-	115.19	69.67
50 mph	(46.94)	(1.47)	(9.74)	6.93	-	-	-	57.59	6.38
55 mph	(26.08)	(0.81)	(5.41)	3.85	-	-	-	28.80	0.35
60 mph	(15.65)	(0.49)	(3.25)	2.31	-	-	-	2,015.80	1,998.73
65 mph	(5.22)	(0.16)	(1.08)	0.77	-	-	-	-	(5.69)
70 mph	(239.91)	(7.50)	(49.78)	35.43	-	-	-	-	(261.75)
total	(521.54)	(16.30)	(108.22)	77.02	-	-	-	2,879.71	2,310.68

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	4.96	4.96
15 mph	42.87	1.34	8.90	2.16	-	-	-	24.17	79.43
25 mph	-	-	-	-	-	-	-	105.75	105.75
35 mph	184.46	5.76	38.27	8.53	-	-	-	-	237.03
total	227.33	7.10	47.17	10.69	-	-	-	129.91	422.20

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	4.96	4.96
10 mph	2.86	0.09	0.59	3.90	-	-	-	36.88	44.33
15 mph	40.89	1.28	8.48	4.18	-	-	-	36.46	91.29
20 mph	1.25	0.04	0.26	3.28	-	-	-	82.18	87.00
25 mph	21.88	0.68	4.54	14.07	-	-	-	341.76	382.93
30 mph	14.68	0.46	3.05	16.86	-	-	-	295.72	330.76
35 mph	166.60	5.21	34.57	26.74	-	-	-	228.10	461.21
40 mph	(42.46)	(1.33)	(8.81)	11.46	-	-	-	219.85	178.71
45 mph	(33.65)	(1.05)	(6.98)	9.29	-	-	-	164.36	131.98
50 mph	(38.86)	(1.21)	(8.06)	10.06	-	-	-	137.50	99.43
55 mph	(19.62)	(0.61)	(4.07)	6.36	-	-	-	47.24	29.30
60 mph	(2.72)	(0.09)	(0.56)	7.32	-	-	-	2,034.24	2,038.19
65 mph	(3.60)	(0.11)	(0.75)	1.40	-	-	-	-	(3.06)
70 mph	(239.91)	(7.50)	(49.78)	35.43	-	-	-	-	(261.75)
total	248.15	7.75	51.49	69.03	-	-	-	1,021.10	3,610.31

World Logistics Center
Mobile Emissions - 2023 (Net) - Mitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	9163	330	0.21	1924.2	1864.2	17.6	42.4
	LDT1	15	676	330	0.21	142.0	140.6	0.1	1.3
	LDT2	15	3383	330	0.21	710.5	696.9	4.8	8.8
	MDT	15	1019	330	0.21	214.1	207.2	4.7	2.1
	LHDT1	15	896	330	0.21	188.1	109.7	78.4	0.0
	LHDT2	15	431	330	0.21	90.4	33.9	56.5	0.0
	MHDT	15	1371	330	0.21	287.9	50.0	237.9	0.0
	HHDT	15	2286	330	0.21	480.1	0.3	455.8	24.0
Travel at Light Logistics	LDA	15	66	175	0.11	7.2	7.0	0.1	0.2
	LDT1	15	5	175	0.11	0.5	0.5	0.0	0.0
	LDT2	15	24	175	0.11	2.7	2.6	0.0	0.0
	MDT	15	6	175	0.11	0.7	0.7	0.0	0.0
	LHDT1	15	4	175	0.11	0.4	0.2	0.2	0.0
	LHDT2	15	2	175	0.11	0.2	0.1	0.1	0.0
	MHDT	15	4	175	0.11	0.5	0.1	0.4	0.0
	HHDT	15	7	175	0.11	0.8	0.0	0.8	0.0
Travel at Utility	LDA	15	74	100	0.06	4.5	4.3	0.0	0.1
	LDT1	15	5	100	0.06	0.3	0.3	0.0	0.0
	LDT2	15	28	100	0.06	1.7	1.6	0.0	0.0
	MDT	15	16	100	0.06	1.0	0.9	0.0	0.0
	LHDT1	15	2	100	0.06	0.1	0.1	0.1	0.0
	LHDT2	15	1	100	0.06	0.1	0.0	0.0	0.0
	MHDT	15	5	100	0.06	0.3	0.0	0.2	0.0
	HHDT	15	8	100	0.06	0.5	0.0	0.4	0.0
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	48	50	0.03	1.5	0.3	1.2	0.0
	HHDT	15	81	50	0.03	2.4	0.0	2.3	0.1
Travel at Convenience Store	LDA	15	227	50	0.03	6.8	6.6	0.1	0.2
	LDT1	15	17	50	0.03	0.5	0.5	0.0	0.0
	LDT2	15	84	50	0.03	2.5	2.5	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	32	50	0.03	1.0	0.9	0.0	0.0
	LDT1	15	2	50	0.03	0.1	0.1	0.0	0.0
	LDT2	15	12	50	0.03	0.4	0.4	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1883.1	142.0	704.0	208.8	110.0	34.0	50.4	0.3
Diesel	17.8	0.1	4.8	4.8	78.6	56.6	239.8	459.3
Electric/Natural Gas (HHDT Only)	42.9	1.3	8.9	2.2	0.0	0.0	0.0	24.2

World Logistics Center
Mobile Emissions - 2023 (Net) - Mitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	448	261	187	0	1305.4	933.5	0.0
	LHDT2	5	215	81	134	0	404.0	672.5	0.0
	MHDT	5	686	119	567	0	595.0	2832.7	0.0
	HHDT	5	1143	1	1085	57	4.0	5426.0	285.5
Travel at Light Logistics	LHDT1	5	2	1	1	0	5.2	3.7	0.0
	LHDT2	5	1	0	1	0	1.6	2.7	0.0
	MHDT	5	2	0	2	0	1.9	9.2	0.0
	HHDT	5	4	0	4	0	0.0	17.5	0.9
Travel at Utility	LHDT1	5	1	1	1	0	3.5	2.5	0.0
	LHDT2	5	1	0	0	0	1.1	1.8	0.0
	MHDT	5	2	0	2	0	2.0	9.5	0.0
	HHDT	5	4	0	4	0	0.0	18.3	1.0
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	24	4	20	0	21.0	99.9	0.0
	HHDT	5	40	0	38	2	0.1	191.3	10.1
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	21.9	6.8	10.3	0.1
Diesel	15.7	11.3	49.2	94.2
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	5.0

World Logistics Center
Mobile Emissions - 2023 (Net) - Mitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					17.3976	17.5213	26.9244	18.1856
10 mph	0.0421	0.1114	0.0699	0.0963	0.1100	0.0820	0.2363	2.3439
15 mph	0.0284	0.0761	0.0473	0.0658	0.0757	0.0559	0.1570	1.5739
20 mph	0.0200	0.0549	0.0337	0.0472	0.0555	0.0402	0.1114	1.1244
25 mph	0.0148	0.0413	0.0250	0.0351	0.0422	0.0299	0.0812	0.8610
30 mph	0.0115	0.0327	0.0195	0.0274	0.0337	0.0235	0.0623	0.6911
35 mph	0.0093	0.0272	0.0160	0.0224	0.0284	0.0194	0.0505	0.5870
40 mph	0.0081	0.0238	0.0139	0.0196	0.0255	0.0172	0.0445	0.5177
45 mph	0.0075	0.0218	0.0128	0.0181	0.0238	0.0158	0.0402	0.4864
50 mph	0.0072	0.0212	0.0124	0.0176	0.0236	0.0155	0.0400	0.4711
55 mph	0.0073	0.0213	0.0124	0.0177	0.0242	0.0157	0.0400	0.4921
60 mph	0.0077	0.0221	0.0131	0.0190	0.0263	0.0171	0.0444	0.5187
65 mph	0.0085	0.0242	0.0143	0.0206	0.0303	0.0196		
70 mph	0.0087	0.0289	0.0150	0.0210	0.0308	0.0176		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5082	2.3669
10 mph	0.1294	0.5282	0.1959	0.1229	0.5386	0.5404	0.0397	0.1601
15 mph	0.0686	0.3662	0.0977	0.0616	0.2879	0.2867	0.0228	0.0862
20 mph	0.0326	0.2666	0.0403	0.0260	0.1413	0.1384	0.0156	0.0437
25 mph	0.0217	0.2111	0.0251	0.0164	0.0971	0.0940	0.0121	0.0359
30 mph	0.0169	0.1767	0.0192	0.0127	0.0778	0.0748	0.0097	0.0284
35 mph	0.0137	0.1555	0.0155	0.0103	0.0662	0.0629	0.0078	0.0230
40 mph	0.0118	0.1420	0.0130	0.0087	0.0584	0.0552	0.0066	0.0194
45 mph	0.0107	0.1352	0.0113	0.0076	0.0535	0.0502	0.0059	0.0172
50 mph	0.0100	0.1352	0.0101	0.0069	0.0516	0.0480	0.0058	0.0162
55 mph	0.0096	0.1418	0.0093	0.0064	0.0508	0.0470	0.0062	0.0180
60 mph	0.0100	0.1542	0.0091	0.0064	0.0524	0.0484	0.0072	0.0225
65 mph	0.0105	0.1790	0.0095	0.0067	0.0610	0.0555		
70 mph	0.0101	0.2151	0.0113	0.0074	0.0899	0.0750		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.1009
10 mph								0.8890
15 mph								0.5453
20 mph								0.3410
25 mph								0.2523
30 mph								0.1941
35 mph								0.1502
40 mph								0.1174
45 mph								0.0933
50 mph								0.0761
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0330	0.0066	0.0204	0.0643	0.0318	0.0073	0.0400	0.0027	0.2062
15 mph	0.0089	0.0018	0.0055	0.0176	0.0088	0.0020	0.0089	0.0006	0.0540
20 mph	0.0125	0.0026	0.0079	0.0252	0.0128	0.0029	0.0126	0.0009	0.0775
25 mph	0.0463	0.0098	0.0293	0.0937	0.0488	0.0107	0.0505	0.0036	0.2926
30 mph	0.0395	0.0085	0.0251	0.0805	0.0429	0.0092	0.0352	0.0027	0.2435
35 mph	0.0263	0.0058	0.0168	0.0538	0.0296	0.0063	0.0128	0.0010	0.1525
40 mph	0.0076	0.0017	0.0049	0.0157	0.0088	0.0018	0.0126	0.0010	0.0542
45 mph	0.0058	0.0013	0.0037	0.0121	0.0069	0.0014	0.0091	0.0007	0.0411
50 mph	0.0056	0.0012	0.0036	0.0117	0.0068	0.0014	0.0147	0.0012	0.0463
55 mph	0.0046	0.0010	0.0029	0.0095	0.0056	0.0011	0.0034	0.0003	0.0284
60 mph	0.0096	0.0021	0.0061	0.0203	0.0122	0.0024	0.0038	0.0003	0.0568
65 mph	0.0013	0.0003	0.0008	0.0027	0.0018	0.0004	-	-	0.0073
70 mph	-	-	-	-	-	-	-	-	-
total	0.2011	0.0426	0.1272	0.4072	0.2168	0.0470	0.2035	0.0150	1.2603

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0213)	(0.0042)	(0.0132)	0.0158	0.0134	0.0031	-	-	(0.0065)
15 mph	(0.0143)	(0.0029)	(0.0089)	0.0108	0.0092	0.0021	-	-	(0.0041)
20 mph	(0.0101)	(0.0021)	(0.0064)	0.0078	0.0068	0.0015	0.0295	0.0020	0.0290
25 mph	(0.0149)	(0.0032)	(0.0094)	0.0115	0.0103	0.0023	0.0376	0.0027	0.0368
30 mph	(0.0232)	(0.0050)	(0.0147)	0.0180	0.0164	0.0035	0.0495	0.0037	0.0482
35 mph	(0.0425)	(0.0093)	(0.0272)	0.0331	0.0311	0.0066	0.0401	0.0032	0.0351
40 mph	(0.0410)	(0.0091)	(0.0263)	0.0321	0.0310	0.0065	0.0324	0.0026	0.0282
45 mph	(0.0302)	(0.0066)	(0.0193)	0.0237	0.0232	0.0048	0.0213	0.0017	0.0185
50 mph	(0.0328)	(0.0073)	(0.0210)	0.0260	0.0258	0.0052	0.0106	0.0008	0.0074
55 mph	(0.0184)	(0.0041)	(0.0118)	0.0146	0.0147	0.0030	0.0053	0.0004	0.0038
60 mph	(0.0117)	(0.0025)	(0.0074)	0.0093	0.0096	0.0019	0.4116	0.0326	0.4435
65 mph	(0.0043)	(0.0009)	(0.0027)	0.0034	0.0037	0.0007	-	-	(0.0001)
70 mph	(0.2031)	(0.0506)	(0.1304)	0.1584	0.1724	0.0305	-	-	(0.0227)
total	(0.4678)	(0.1077)	(0.2987)	0.3645	0.3675	0.0717	0.6379	0.0499	0.6171

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.8403	0.2619	0.6134	0.0041	1.7196
15 mph	0.1179	0.0238	0.0735	0.0303	0.0184	0.0042	0.0174	0.0012	0.2866
25 mph	-	-	-	-	0.0194	0.0043	0.0395	0.0028	0.0660
35 mph	0.1669	0.0367	0.1067	0.0407	-	-	-	-	0.3510
total	0.2847	0.0605	0.1802	0.0710	0.8780	0.2703	0.6703	0.0081	2.4232

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.8403	0.2619	0.6134	0.0041	1.7196
10 mph	0.0117	0.0023	0.0072	0.0801	0.0452	0.0104	0.0400	0.0027	0.1998
15 mph	0.1124	0.0227	0.0701	0.0587	0.0363	0.0083	0.0263	0.0018	0.3366
20 mph	0.0024	0.0005	0.0015	0.0330	0.0196	0.0044	0.0421	0.0029	0.1064
25 mph	0.0313	0.0066	0.0198	0.1052	0.0785	0.0172	0.1275	0.0092	0.3954
30 mph	0.0163	0.0035	0.0104	0.0985	0.0593	0.0128	0.0846	0.0064	0.2918
35 mph	0.1507	0.0331	0.0964	0.1277	0.0607	0.0128	0.0530	0.0042	0.5386
40 mph	(0.0334)	(0.0074)	(0.0214)	0.0478	0.0398	0.0083	0.0450	0.0036	0.0823
45 mph	(0.0243)	(0.0054)	(0.0156)	0.0358	0.0300	0.0062	0.0304	0.0025	0.0596
50 mph	(0.0272)	(0.0060)	(0.0174)	0.0377	0.0327	0.0066	0.0253	0.0020	0.0537
55 mph	(0.0138)	(0.0030)	(0.0088)	0.0240	0.0203	0.0041	0.0087	0.0007	0.0321
60 mph	(0.0020)	(0.0004)	(0.0013)	0.0296	0.0218	0.0044	0.4154	0.0329	0.5003
65 mph	(0.0030)	(0.0006)	(0.0019)	0.0061	0.0054	0.0011	-	-	0.0072
70 mph	(0.2031)	(0.0506)	(0.1304)	0.1584	0.1724	0.0305	-	-	(0.0227)
total	0.0180	(0.0047)	0.0086	0.8427	1.4623	0.3890	1.5116	0.0729	4.3006

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0010	0.0000	0.0004	0.0019	0.1115	0.0806	0.0320	0.2474	0.4747
15 mph	0.0002	0.0000	0.0001	0.0004	0.0238	0.0171	0.0061	0.0444	0.0921
20 mph	0.0002	0.0000	0.0001	0.0003	0.0234	0.0165	0.0084	0.0450	0.0939
25 mph	0.0006	0.0000	0.0002	0.0010	0.0804	0.0560	0.0359	0.2033	0.3775
30 mph	0.0005	0.0000	0.0002	0.0009	0.0709	0.0491	0.0260	0.1464	0.2939
35 mph	0.0004	0.0000	0.0001	0.0006	0.0493	0.0338	0.0095	0.0533	0.1469
40 mph	0.0001	0.0000	0.0000	0.0002	0.0145	0.0099	0.0089	0.0499	0.0834
45 mph	0.0001	0.0000	0.0000	0.0001	0.0111	0.0075	0.0064	0.0355	0.0607
50 mph	0.0001	0.0000	0.0000	0.0001	0.0107	0.0072	0.0101	0.0542	0.0824
55 mph	0.0001	0.0000	0.0000	0.0001	0.0084	0.0056	0.0025	0.0139	0.0306
60 mph	0.0001	0.0000	0.0000	0.0002	0.0174	0.0116	0.0029	0.0174	0.0495
65 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0017	-	-	0.0042
70 mph	-	-	-	-	-	-	-	-	-
total	0.0033	0.0001	0.0011	0.0056	0.4238	0.2963	0.1486	0.9108	1.7898

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0006)	(0.0000)	(0.0003)	0.0005	0.0468	0.0339	-	-	0.0803
15 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0250	0.0180	-	-	0.0428
20 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0123	0.0087	0.0197	0.1055	0.1460
25 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0169	0.0118	0.0267	0.1515	0.2068
30 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0271	0.0187	0.0365	0.2058	0.2879
35 mph	(0.0006)	(0.0000)	(0.0002)	0.0003	0.0518	0.0355	0.0295	0.1666	0.2830
40 mph	(0.0006)	(0.0000)	(0.0002)	0.0003	0.0508	0.0346	0.0228	0.1285	0.2363
45 mph	(0.0004)	(0.0000)	(0.0001)	0.0002	0.0372	0.0252	0.0149	0.0832	0.1602
50 mph	(0.0004)	(0.0000)	(0.0001)	0.0002	0.0404	0.0270	0.0073	0.0391	0.1135
55 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0221	0.0147	0.0039	0.0217	0.0623
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0137	0.0091	0.3174	1.8971	2.2372
65 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0053	0.0035	-	-	0.0087
70 mph	(0.0022)	(0.0002)	(0.0007)	0.0013	0.3596	0.2162	-	-	0.5740
total	(0.0062)	(0.0003)	(0.0020)	0.0037	0.7090	0.4568	0.4789	2.7990	4.4389

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1096	0.0789	0.0551	0.4917	0.7354
15 mph	0.0027	0.0001	0.0010	0.0006	0.0499	0.0358	0.0121	0.0873	0.1895
25 mph	-	-	-	-	0.0320	0.0223	0.0281	0.1590	0.2413
35 mph	0.0023	0.0001	0.0007	0.0004	-	-	-	-	0.0035
total	0.0050	0.0002	0.0017	0.0011	0.1915	0.1370	0.0952	0.7380	1.1698

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1096	0.0789	0.0551	0.4917	0.7354
10 mph	0.0003	0.0000	0.0001	0.0023	0.1583	0.1144	0.0320	0.2474	0.5550
15 mph	0.0026	0.0001	0.0010	0.0013	0.0988	0.0709	0.0182	0.1317	0.3244
20 mph	0.0000	0.0000	0.0000	0.0004	0.0357	0.0252	0.0281	0.1505	0.2399
25 mph	0.0004	0.0000	0.0001	0.0011	0.1293	0.0901	0.0907	0.5138	0.8256
30 mph	0.0002	0.0000	0.0001	0.0010	0.0979	0.0678	0.0624	0.3522	0.5818
35 mph	0.0021	0.0001	0.0006	0.0013	0.1011	0.0693	0.0390	0.2200	0.4335
40 mph	(0.0005)	(0.0000)	(0.0001)	0.0005	0.0653	0.0445	0.0317	0.1783	0.3197
45 mph	(0.0003)	(0.0000)	(0.0001)	0.0003	0.0483	0.0326	0.0213	0.1188	0.2209
50 mph	(0.0004)	(0.0000)	(0.0001)	0.0003	0.0511	0.0342	0.0175	0.0933	0.1959
55 mph	(0.0002)	(0.0000)	(0.0000)	0.0002	0.0305	0.0203	0.0064	0.0357	0.0929
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0002	0.0310	0.0207	0.3203	1.9144	2.2866
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0078	0.0051	-	-	0.0130
70 mph	(0.0022)	(0.0002)	(0.0007)	0.0013	0.3596	0.2162	-	-	0.5740
total	0.0021	(0.0001)	0.0009	0.0104	1.3244	0.8902	0.7227	4.4478	7.3985

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0723	0.0723
15 mph								0.0148	0.0148
20 mph								0.0185	0.0185
25 mph								0.0752	0.0752
30 mph								0.0526	0.0526
35 mph								0.0183	0.0183
40 mph								0.0159	0.0159
45 mph								0.0101	0.0101
50 mph								0.0134	0.0134
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.2912	0.2912

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0433	0.0433
25 mph								0.0561	0.0561
30 mph								0.0739	0.0739
35 mph								0.0572	0.0572
40 mph								0.0410	0.0410
45 mph								0.0237	0.0237
50 mph								0.0097	0.0097
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.2306	0.2306

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0011	0.0011
15 mph								0.0291	0.0291
25 mph								0.0588	0.0588
35 mph								-	-
total	-	-	-	-	-	-	-	0.0890	0.0890

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0011	0.0011
10 mph								0.0723	0.0723
15 mph								0.0438	0.0438
20 mph								0.0618	0.0618
25 mph								0.1902	0.1902
30 mph								0.1266	0.1266
35 mph								0.0755	0.0755
40 mph								0.0569	0.0569
45 mph								0.0338	0.0338
50 mph								0.0231	0.0231
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.6851	0.6851

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3133	0.8941	0.5318	0.5827	0.9157	0.8106	0.4885	0.9919
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS + HOTSOAK Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.4286	0.0922	0.2720	1.1340	0.6452	0.1768	0.1743	0.0024
Electric/NG	-	-	-	-	-	-	-	-
Total	**0.4286**	**0.0922**	**0.2720**	**1.1340**	**0.6452**	**0.1768**	**0.1743**	**0.0024**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.4797	1.0888	0.7026	0.8307	0.0896	0.0808	0.0656	0.1326
Electric/NG	0.0313	0.0311	0.0313	0.0313	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3281	0.0562	0.1797	0.8083	0.0315	0.0088	0.0117	0.0002
Electric/NG	0.0005	0.0000	0.0001	0.0003	-	-	-	-
Total	0.3286	0.0562	0.1798	0.8086	0.0315	0.0088	0.0117	0.0002

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2192	0.3492	0.3050	0.3877	0.1172	0.1155	0.2024	0.0014
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2999	0.0360	0.1560	0.7545	0.0825	0.0252	0.0722	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.2999	0.0360	0.1560	0.7545	0.0825	0.0252	0.0722	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.9498	0.3408	0.6685	0.4969	2.4561
10 mph	0.0120	0.0023	0.0074	0.0825	0.2035	0.1248	0.0721	0.3224	0.8270
15 mph	0.1150	0.0228	0.0711	0.0600	0.1351	0.0792	0.0445	0.1774	0.7049
20 mph	0.0025	0.0005	0.0015	0.0334	0.0553	0.0296	0.0702	0.2152	0.4081
25 mph	0.0318	0.0066	0.0200	0.1064	0.2078	0.1073	0.2182	0.7131	1.4111
30 mph	0.0165	0.0035	0.0104	0.0995	0.1572	0.0806	0.1471	0.4852	1.0001
35 mph	0.1528	0.0332	0.0970	0.1290	0.1618	0.0821	0.0919	0.2997	1.0476
40 mph	(0.0339)	(0.0074)	(0.0215)	0.0483	0.1052	0.0528	0.0767	0.2388	0.4589
45 mph	(0.0247)	(0.0054)	(0.0157)	0.0361	0.0784	0.0388	0.0516	0.1551	0.3143
50 mph	(0.0275)	(0.0060)	(0.0175)	0.0380	0.0837	0.0408	0.0428	0.1184	0.2727
55 mph	(0.0140)	(0.0031)	(0.0089)	0.0242	0.0508	0.0244	0.0151	0.0364	0.1250
60 mph	(0.0021)	(0.0004)	(0.0013)	0.0298	0.0528	0.0250	0.7357	1.9473	2.7869
65 mph	(0.0030)	(0.0006)	(0.0019)	0.0062	0.0133	0.0062	-	-	0.0202
70 mph	(0.2053)	(0.0507)	(0.1311)	0.1596	0.5319	0.2467	-	-	0.5512
RL+HS	0.4286	0.0922	0.2720	1.1340	0.6452	0.1768	0.1743	0.0024	2.9254
RL+DIURN	0.3286	0.0562	0.1798	0.8086	0.0315	0.0088	0.0117	0.0002	1.4254
STREX	0.2999	0.0360	0.1560	0.7545	0.0825	0.0252	0.0722	0.0000	1.4263
total	1.0772	0.1797	0.6173	3.5502	3.5459	1.4899	2.4925	5.2084	**18.1613**

World Logistics Center
Mobile Emissions - 2023 (Net) - Mitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.5181	1.5284	2.3938	33.2735
10 mph	0.0621	0.1823	0.1307	0.1635	0.2619	0.2824	0.6392	6.0473
15 mph	0.0546	0.1561	0.1135	0.1428	0.2332	0.2502	0.5621	5.3980
20 mph	0.0489	0.1377	0.1009	0.1278	0.2151	0.2280	0.5084	4.9689
25 mph	0.0443	0.1235	0.0906	0.1153	0.2000	0.2085	0.4558	4.6877
30 mph	0.0409	0.1137	0.0832	0.1064	0.1896	0.1946	0.4153	4.4810
35 mph	0.0383	0.1071	0.0777	0.0997	0.1828	0.1843	0.3853	4.3619
40 mph	0.0365	0.1029	0.0743	0.0957	0.1781	0.1777	0.3714	4.2582
45 mph	0.0354	0.1005	0.0722	0.0935	0.1749	0.1725	0.3539	4.2238
50 mph	0.0351	0.1019	0.0722	0.0937	0.1768	0.1717	0.3581	4.2301
55 mph	0.0356	0.1054	0.0737	0.0957	0.1803	0.1735	0.3555	4.3471
60 mph	0.0373	0.1128	0.0781	0.1016	0.1885	0.1823	0.3802	4.4639
65 mph	0.0388	0.1216	0.0819	0.1063	0.1988	0.1913		
70 mph	0.0391	0.1406	0.0841	0.1099	0.2191	0.1866		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					54.9752	55.2188	29.5209	28.4521
10 mph	0.1233	0.7926	0.1326	0.1050	1.2645	1.1787	4.7629	10.3842
15 mph	0.0989	0.8159	0.0931	0.0768	1.1671	1.0873	3.3856	7.3408
20 mph	0.0823	0.8448	0.0661	0.0580	1.1637	1.0748	2.7082	5.1762
25 mph	0.0748	0.8772	0.0538	0.0503	1.2013	1.0952	2.1239	4.3943
30 mph	0.0712	0.9121	0.0476	0.0469	1.2614	1.1390	1.6012	3.3297
35 mph	0.0688	0.9477	0.0438	0.0454	1.3494	1.2005	1.1866	2.4918
40 mph	0.0685	0.9862	0.0413	0.0443	1.4238	1.2581	0.8804	1.8830
45 mph	0.0691	1.0265	0.0394	0.0435	1.4868	1.3077	0.6829	1.4961
50 mph	0.0705	1.0664	0.0388	0.0438	1.5798	1.3847	0.5968	1.3057
55 mph	0.0710	1.1115	0.0380	0.0439	1.6262	1.4253	0.6191	1.4343
60 mph	0.0736	1.1529	0.0379	0.0443	1.6482	1.4523	0.7537	1.6682
65 mph	0.0735	1.1910	0.0388	0.0464	1.8309	1.5936		
70 mph	0.0739	1.2109	0.0494	0.0561	2.7974	2.2363		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								36.9185
10 mph								5.1980
15 mph								3.8950
20 mph								3.0789
25 mph								2.6973
30 mph								2.4697
35 mph								2.2982
40 mph								2.1671
45 mph								2.0682
50 mph								1.9965
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0486	0.0108	0.0382	0.1092	0.0758	0.0253	0.1083	0.0070	0.4232
15 mph	0.0171	0.0037	0.0133	0.0382	0.0270	0.0090	0.0318	0.0021	0.1420
20 mph	0.0306	0.0065	0.0236	0.0683	0.0498	0.0163	0.0574	0.0038	0.2564
25 mph	0.1386	0.0291	0.1060	0.3082	0.2315	0.0747	0.2832	0.0198	1.1912
30 mph	0.1407	0.0295	0.1070	0.3127	0.2414	0.0767	0.2346	0.0172	1.1598
35 mph	0.1078	0.0227	0.0818	0.2399	0.1904	0.0594	0.0980	0.0075	0.8075
40 mph	0.0343	0.0073	0.0261	0.0768	0.0619	0.0191	0.1049	0.0082	0.3384
45 mph	0.0277	0.0059	0.0211	0.0625	0.0506	0.0154	0.0800	0.0065	0.2698
50 mph	0.0275	0.0060	0.0211	0.0626	0.0512	0.0154	0.1315	0.0105	0.3258
55 mph	0.0223	0.0050	0.0172	0.0511	0.0417	0.0124	0.0301	0.0025	0.1824
60 mph	0.0467	0.0107	0.0365	0.1086	0.0873	0.0261	0.0322	0.0026	0.3507
65 mph	0.0061	0.0014	0.0048	0.0142	0.0115	0.0034	-	-	0.0414
70 mph	-	-	-	-	-	-	-	-	-
total	0.6479	0.1386	0.4969	1.4524	1.1201	0.3533	1.1921	0.0876	5.4888

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0314)	(0.0069)	(0.0247)	0.0269	0.0319	0.0106	-	-	0.0064
15 mph	(0.0276)	(0.0059)	(0.0214)	0.0235	0.0284	0.0094	-	-	0.0063
20 mph	(0.0247)	(0.0052)	(0.0191)	0.0210	0.0262	0.0086	0.1346	0.0089	0.1502
25 mph	(0.0447)	(0.0094)	(0.0342)	0.0379	0.0487	0.0157	0.2111	0.0147	0.2397
30 mph	(0.0826)	(0.0173)	(0.0628)	0.0699	0.0922	0.0293	0.3298	0.0242	0.3827
35 mph	(0.1740)	(0.0367)	(0.1321)	0.1475	0.2001	0.0624	0.3059	0.0235	0.3968
40 mph	(0.1845)	(0.0392)	(0.1403)	0.1573	0.2166	0.0669	0.2703	0.0210	0.3682
45 mph	(0.1432)	(0.0306)	(0.1091)	0.1229	0.1702	0.0519	0.1873	0.0152	0.2645
50 mph	(0.1597)	(0.0349)	(0.1227)	0.1386	0.1936	0.0582	0.0948	0.0076	0.1753
55 mph	(0.0899)	(0.0201)	(0.0696)	0.0786	0.1096	0.0326	0.0470	0.0039	0.0923
60 mph	(0.0566)	(0.0129)	(0.0442)	0.0501	0.0688	0.0206	3.5222	0.2808	3.8287
65 mph	(0.0196)	(0.0046)	(0.0155)	0.0175	0.0242	0.0072	-	-	0.0092
70 mph	(0.9075)	(0.2463)	(0.7304)	0.8305	1.2256	0.3231	-	-	0.4950
total	(1.9460)	(0.4703)	(1.5260)	1.7221	2.4359	0.6966	5.1031	0.3999	6.4153

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0733	0.0228	0.0545	0.0075	0.1582
15 mph	0.2267	0.0489	0.1762	0.0658	0.0565	0.0188	0.0624	0.0041	0.6593
25 mph	-	-	-	-	0.0921	0.0297	0.2215	0.0155	0.3588
35 mph	0.6836	0.1443	0.5189	0.1816	-	-	-	-	1.5283
total	0.9103	0.1931	0.6951	0.2473	0.2220	0.0713	0.3384	0.0270	2.7046

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0733	0.0228	0.0545	0.0075	0.1582
10 mph	0.0172	0.0038	0.0135	0.1361	0.1076	0.0359	0.1083	0.0070	0.4295
15 mph	0.2162	0.0466	0.1680	0.1274	0.1119	0.0372	0.0942	0.0061	0.8076
20 mph	0.0059	0.0013	0.0046	0.0893	0.0760	0.0249	0.1920	0.0127	0.4067
25 mph	0.0939	0.0197	0.0718	0.3461	0.3723	0.1201	0.7158	0.0500	1.7897
30 mph	0.0581	0.0122	0.0442	0.3827	0.3336	0.1060	0.5644	0.0414	1.5425
35 mph	0.6174	0.1303	0.4687	0.5690	0.3905	0.1219	0.4039	0.0311	2.7326
40 mph	(0.1502)	(0.0319)	(0.1142)	0.2341	0.2785	0.0860	0.3752	0.0292	0.7067
45 mph	(0.1155)	(0.0247)	(0.0880)	0.1853	0.2208	0.0674	0.2673	0.0217	0.5343
50 mph	(0.1322)	(0.0289)	(0.1016)	0.2012	0.2447	0.0735	0.2263	0.0182	0.5012
55 mph	(0.0676)	(0.0151)	(0.0524)	0.1297	0.1514	0.0451	0.0772	0.0064	0.2747
60 mph	(0.0098)	(0.0022)	(0.0077)	0.1587	0.1561	0.0467	3.5544	0.2834	4.1795
65 mph	(0.0135)	(0.0032)	(0.0107)	0.0317	0.0357	0.0106	-	-	0.0506
70 mph	(0.9075)	(0.2463)	(0.7304)	0.8305	1.2256	0.3231	-	-	0.4950
total	(0.3878)	(0.1385)	(0.3341)	3.4218	3.7780	1.1212	6.6336	0.5146	14.6087

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0009	0.0000	0.0003	0.0016	0.2617	0.1757	3.8432	16.0497	20.3330
15 mph	0.0003	0.0000	0.0001	0.0005	0.0966	0.0648	0.9106	3.7819	4.8548
20 mph	0.0005	0.0000	0.0001	0.0007	0.1926	0.1282	1.4568	5.3335	7.1124
25 mph	0.0022	0.0001	0.0004	0.0031	0.9944	0.6530	6.2838	24.9032	32.8402
30 mph	0.0023	0.0001	0.0004	0.0031	1.1486	0.7471	4.3065	17.1546	23.3628
35 mph	0.0018	0.0001	0.0003	0.0025	1.0052	0.6442	1.4362	5.7770	8.8673
40 mph	0.0006	0.0000	0.0001	0.0008	0.3536	0.2250	1.1840	4.8505	6.6146
45 mph	0.0005	0.0000	0.0001	0.0007	0.3077	0.1949	0.7347	3.0831	4.3217
50 mph	0.0005	0.0000	0.0001	0.0007	0.3269	0.2064	1.0434	4.3724	5.9504
55 mph	0.0004	0.0000	0.0001	0.0005	0.2692	0.1700	0.2498	1.1084	1.7984
60 mph	0.0009	0.0001	0.0001	0.0011	0.5457	0.3464	0.3041	1.2892	2.4875
65 mph	0.0001	0.0000	0.0000	0.0001	0.0758	0.0475	-	-	0.1236
70 mph	-	-	-	-	-	-	-	-	-
total	0.0111	0.0005	0.0021	0.0154	5.5780	3.6033	21.7530	87.7033	118.6667

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0006)	(0.0000)	(0.0002)	0.0004	0.1100	0.0738	-	-	0.1834
15 mph	(0.0005)	(0.0000)	(0.0001)	0.0003	0.1015	0.0681	-	-	0.1693
20 mph	(0.0004)	(0.0000)	(0.0001)	0.0002	0.1012	0.0673	3.4125	12.4936	16.0745
25 mph	(0.0007)	(0.0000)	(0.0001)	0.0004	0.2090	0.1372	4.6836	18.5613	23.5906
30 mph	(0.0014)	(0.0001)	(0.0002)	0.0007	0.4388	0.2854	6.0528	24.1108	30.8870
35 mph	(0.0030)	(0.0002)	(0.0005)	0.0015	1.0563	0.6769	4.4857	18.0433	24.2601
40 mph	(0.0033)	(0.0002)	(0.0005)	0.0017	1.2384	0.7882	3.0508	12.4985	17.5736
45 mph	(0.0026)	(0.0001)	(0.0004)	0.0013	1.0345	0.6554	1.7211	7.2221	10.6313
50 mph	(0.0030)	(0.0002)	(0.0005)	0.0015	1.2366	0.7808	0.7520	3.1515	5.9187
55 mph	(0.0017)	(0.0001)	(0.0002)	0.0008	0.7072	0.4465	0.3900	1.7310	3.2735
60 mph	(0.0011)	(0.0001)	(0.0001)	0.0005	0.4301	0.2730	33.2394	140.9307	174.8723
65 mph	(0.0004)	(0.0000)	(0.0001)	0.0002	0.1592	0.0998	-	-	0.2588
70 mph	(0.0162)	(0.0010)	(0.0029)	0.0097	11.1921	6.4450	-	-	17.6266
total	(0.0347)	(0.0020)	(0.0060)	0.0191	18.0149	10.7976	57.7880	238.7428	325.3197

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.8987	1.3738	3.2018	5.9110	12.3853
15 mph	0.0039	0.0001	0.0010	0.0008	0.2024	0.1358	1.7900	7.4342	9.5682
25 mph	-	-	-	-	0.3956	0.2598	4.9139	19.4741	25.0435
35 mph	0.0116	0.0006	0.0020	0.0019	-	-	-	-	0.0161
total	0.0155	0.0007	0.0030	0.0027	2.4968	1.7694	9.9057	32.8193	47.0131

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.8987	1.3738	3.2018	5.9110	12.3853
10 mph	0.0003	0.0000	0.0001	0.0020	0.3717	0.2496	3.8432	16.0497	20.5165
15 mph	0.0037	0.0001	0.0009	0.0016	0.4005	0.2688	2.7006	11.2161	14.5923
20 mph	0.0001	0.0000	0.0000	0.0009	0.2939	0.1955	4.8693	17.8271	23.1868
25 mph	0.0015	0.0001	0.0003	0.0034	1.5990	1.0501	15.8812	62.9386	81.4743
30 mph	0.0010	0.0000	0.0002	0.0038	1.5874	1.0325	10.3594	41.2654	54.2497
35 mph	0.0105	0.0006	0.0018	0.0059	2.0615	1.3211	5.9219	23.8203	33.1435
40 mph	(0.0027)	(0.0001)	(0.0004)	0.0025	1.5920	1.0133	4.2348	17.3490	24.1882
45 mph	(0.0021)	(0.0001)	(0.0003)	0.0020	1.3422	0.8504	2.4559	10.3052	14.9530
50 mph	(0.0025)	(0.0001)	(0.0004)	0.0021	1.5635	0.9872	1.7954	7.5238	11.8691
55 mph	(0.0013)	(0.0001)	(0.0002)	0.0014	0.9764	0.6165	0.6398	2.8394	5.0719
60 mph	(0.0002)	(0.0000)	(0.0000)	0.0016	0.9758	0.6194	33.5434	142.2199	177.3598
65 mph	(0.0002)	(0.0000)	(0.0000)	0.0003	0.2350	0.1474	-	-	0.3824
70 mph	(0.0162)	(0.0010)	(0.0029)	0.0097	11.1921	6.4450	-	-	17.6266
total	(0.0081)	(0.0007)	(0.0010)	0.0371	26.0897	16.1703	89.4468	359.2654	490.9994

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.4227	0.4227
15 mph								0.1056	0.1056
20 mph								0.1669	0.1669
25 mph								0.8043	0.8043
30 mph								0.6695	0.6695
35 mph								0.2803	0.2803
40 mph								0.2937	0.2937
45 mph								0.2242	0.2242
50 mph								0.3518	0.3518
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.3190	3.3190

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.3910	0.3910
25 mph								0.5995	0.5995
30 mph								0.9409	0.9409
35 mph								0.8756	0.8756
40 mph								0.7568	0.7568
45 mph								0.5253	0.5253
50 mph								0.2535	0.2535
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.8070	2.8070

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.4035	0.4035
15 mph								0.2075	0.2075
25 mph								0.6289	0.6289
35 mph								-	-
total	-	-	-	-	-	-	-	1.2400	1.2400

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.4035	0.4035
10 mph								0.4227	0.4227
15 mph								0.3131	0.3131
20 mph								0.5579	0.5579
25 mph								2.0327	2.0327
30 mph								1.6104	1.6104
35 mph								1.1559	1.1559
40 mph								1.0506	1.0506
45 mph								0.7495	0.7495
50 mph								0.6053	0.6053
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	8.9017	8.9017

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.9720	1.3966	3.2564	6.3220	12.9470
10 mph	0.0175	0.0038	0.0136	0.1381	0.4793	0.2855	3.9515	16.4793	21.3687
15 mph	0.2199	0.0467	0.1690	0.1290	0.5124	0.3059	2.7948	11.5354	15.7131
20 mph	0.0060	0.0013	0.0046	0.0902	0.3698	0.2204	5.0614	18.3978	24.1514
25 mph	0.0953	0.0198	0.0721	0.3496	1.9714	1.1702	16.5970	65.0213	85.2966
30 mph	0.0590	0.0122	0.0444	0.3865	1.9210	1.1385	10.9238	42.9171	57.4026
35 mph	0.6279	0.1308	0.4705	0.5749	2.4520	1.4430	6.3258	25.0073	37.0320
40 mph	(0.1529)	(0.0321)	(0.1146)	0.2366	1.8705	1.0992	4.6100	18.4287	25.9454
45 mph	(0.1176)	(0.0248)	(0.0883)	0.1873	1.5630	0.9178	2.7232	11.0764	16.2368
50 mph	(0.1347)	(0.0291)	(0.1019)	0.2033	1.8083	1.0607	2.0217	8.1473	12.9756
55 mph	(0.0689)	(0.0152)	(0.0525)	0.1311	1.1278	0.6615	0.7170	2.8458	5.3466
60 mph	(0.0100)	(0.0023)	(0.0077)	0.1603	1.1318	0.6661	37.0979	142.5033	181.5392
65 mph	(0.0138)	(0.0032)	(0.0107)	0.0320	0.2707	0.1580	-	-	0.4330
70 mph	(0.9237)	(0.2473)	(0.7333)	0.8402	12.4177	6.7681	-	-	18.1216
STREX	0.2471	0.0262	0.1415	0.6554	0.3474	0.1098	3.2289	6.9839	11.7401
total	(0.1489)	(0.1130)	(0.1936)	4.1143	30.2151	17.4012	99.3094	375.6655	**526.2499**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1806	0.2540	0.2766	0.3367	0.4931	0.5034	0.3520	0.5250
Diesel	-	-	-	-	-	-	1.8270	2.1461
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2471	0.0262	0.1415	0.6554	0.3474	0.1098	0.1256	0.0013
Diesel	-	-	-	-	-	-	3.1033	6.9826
Electric/NG	-	-	-	-	-	-	-	-
Total	0.2471	0.0262	0.1415	0.6554	0.3474	0.1098	3.2289	6.9839

World Logistics Center
Mobile Emissions - 2023 (Net) - Mitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					154.0740	154.3707	385.0537	373.0381
10 mph	1.1303	2.2998	1.6001	1.9237	1.5342	1.0492	2.6865	64.6263
15 mph	1.0279	2.0392	1.4420	1.7095	1.2349	0.8907	2.3495	55.8555
20 mph	0.9375	1.8307	1.3081	1.5351	1.0446	0.7787	2.1148	49.4763
25 mph	0.8555	1.6534	1.1872	1.3809	0.8992	0.6811	1.8723	44.5870
30 mph	0.7830	1.5057	1.0827	1.2536	0.7977	0.6084	1.6710	40.5878
35 mph	0.7190	1.3848	0.9920	1.1460	0.7302	0.5531	1.5086	37.4421
40 mph	0.6668	1.2873	0.5885	1.0647	0.6924	0.5193	1.4151	34.9912
45 mph	0.6224	1.2033	0.8591	0.9988	0.6702	0.4911	1.2999	33.1220
50 mph	0.5822	1.1427	0.8070	0.9467	0.6767	0.4780	1.2643	31.6667
55 mph	0.5426	1.0804	0.7551	0.8970	0.6982	0.4693	1.1851	30.9679
60 mph	0.5003	1.0133	0.7004	0.8560	0.7583	0.4868	1.1948	30.7199
65 mph	0.4641	0.9696	0.6547	0.8170	0.8761	0.5291		
70 mph	0.4422	1.0328	0.6342	0.7769	0.8775	0.4411		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	21.2056	34.2808
10 mph	2.3307	2.7546	1.7203	2.4388	2.1067	2.1383	0.4876	1.5234
15 mph	1.1651	1.8800	0.8482	1.1980	1.1422	1.1463	0.2664	0.8191
20 mph	0.4847	1.3465	0.3386	0.4780	0.5882	0.5767	0.1785	0.4795
25 mph	0.3046	1.0882	0.2072	0.2936	0.4210	0.4064	0.1361	0.3860
30 mph	0.2354	0.9431	0.1581	0.2253	0.3500	0.3348	0.1043	0.2955
35 mph	0.1916	0.8635	0.1273	0.1825	0.3114	0.2940	0.0785	0.2230
40 mph	0.1632	0.8307	0.1066	0.1531	0.2896	0.2706	0.0588	0.1678
45 mph	0.1446	0.8404	0.0922	0.1322	0.2815	0.2604	0.0450	0.1289
50 mph	0.1331	0.8964	0.0824	0.1181	0.2914	0.2669	0.0372	0.1052
55 mph	0.1264	1.0115	0.0755	0.1083	0.3109	0.2825	0.0352	0.1013
60 mph	0.1309	1.1939	0.0746	0.1068	0.3487	0.3162	0.0392	0.1100
65 mph	0.1418	1.5017	0.0789	0.1138	0.4495	0.4012		
70 mph	0.1457	1.7988	0.0922	0.1277	0.7349	0.6062		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								32.0438
10 mph								33.6516
15 mph								23.6869
20 mph								17.1272
25 mph								12.5573
30 mph								9.2623
35 mph								6.8341
40 mph								5.0450
45 mph								3.7271
50 mph								2.7566
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.8843	0.1357	0.4680	1.2853	0.4440	0.0940	0.4553	0.0744	3.8408
15 mph	0.3217	0.0481	0.1687	0.4569	0.1429	0.0319	0.1327	0.0214	1.3244
20 mph	0.5867	0.0864	0.3061	0.8205	0.2418	0.0558	0.2389	0.0380	2.3742
25 mph	2.6771	0.3902	1.3888	3.6904	1.0408	0.2440	1.1635	0.1882	10.7829
30 mph	2.6954	0.3908	1.3933	3.6853	1.0157	0.2397	0.9440	0.1557	10.5200
35 mph	2.0249	0.2941	1.0445	2.7565	0.7607	0.1783	0.3835	0.0646	7.5072
40 mph	0.6260	0.0911	0.2066	0.8536	0.2404	0.0558	0.3997	0.0671	2.5404
45 mph	0.4869	0.0710	0.2513	0.6673	0.1939	0.0440	0.2937	0.0508	2.0589
50 mph	0.4554	0.0674	0.2360	0.6325	0.1958	0.0428	0.4643	0.0790	2.1733
55 mph	0.3396	0.0510	0.1767	0.4795	0.1616	0.0336	0.1004	0.0178	1.3602
60 mph	0.6262	0.0956	0.3278	0.9151	0.3511	0.0697	0.1012	0.0177	2.5045
65 mph	0.0726	0.0114	0.0383	0.1092	0.0507	0.0095	-	-	0.2917
70 mph	-	-	-	-	-	-	-	-	-
total	11.7968	1.7329	6.0059	16.3521	4.8395	1.0992	4.6774	0.7747	47.2786

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.5709)	(0.0876)	(0.3022)	0.3161	0.1866	0.0395	-	-	(0.4185)
15 mph	(0.5192)	(0.0777)	(0.2723)	0.2809	0.1502	0.0335	-	-	(0.4046)
20 mph	(0.4736)	(0.0697)	(0.2470)	0.2522	0.1271	0.0293	0.5597	0.0889	0.2670
25 mph	(0.8643)	(0.1260)	(0.4484)	0.4538	0.2187	0.0513	0.8672	0.1403	0.2927
30 mph	(1.5821)	(0.2294)	(0.8178)	0.8239	0.3881	0.0916	1.3268	0.2189	0.2199
35 mph	(3.2686)	(0.4748)	(1.6859)	1.6947	0.7993	0.1874	1.1979	0.2019	(1.3481)
40 mph	(3.3682)	(0.4904)	(1.1114)	1.7494	0.8422	0.1955	1.0299	0.1730	(0.9800)
45 mph	(2.5150)	(0.3667)	(1.2979)	1.3129	0.6521	0.1479	0.6881	0.1191	(1.2596)
50 mph	(2.6466)	(0.3917)	(1.3715)	1.4000	0.7407	0.1619	0.3346	0.0569	(1.7157)
55 mph	(1.3703)	(0.2058)	(0.7129)	0.7370	0.4246	0.0883	0.1568	0.0278	(0.8545)
60 mph	(0.7581)	(0.1158)	(0.3968)	0.4220	0.2767	0.0550	11.0678	1.9326	12.4833
65 mph	(0.2344)	(0.0369)	(0.1236)	0.1342	0.1066	0.0199	-	-	(0.1343)
70 mph	(10.2754)	(1.8097)	(5.5087)	5.8722	4.9094	0.7636	-	-	(6.0485)
total	(28.4467)	(4.4822)	(14.2965)	15.4493	9.8221	1.8647	17.2289	2.9594	0.0991

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	7.4413	2.3073	8.7719	0.0839	18.6045
15 mph	4.2681	0.6385	2.2383	0.7870	0.2994	0.0668	0.2609	0.0421	8.6013
25 mph	-	-	-	-	0.4141	0.0971	0.9099	0.1471	1.5682
35 mph	12.8447	1.8656	6.6253	2.0860	-	-	-	-	23.4217
total	17.1129	2.5041	8.8636	2.8730	8.1549	2.4712	9.9427	0.2732	52.1956

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	7.4413	2.3073	8.7719	0.0839	18.6045
10 mph	0.3133	0.0481	0.1658	1.6014	0.6306	0.1335	0.4553	0.0744	3.4223
15 mph	4.0706	0.6089	2.1347	1.5248	0.5926	0.1323	0.3937	0.0636	9.5210
20 mph	0.1132	0.0167	0.0590	1.0728	0.3689	0.0851	0.7987	0.1269	2.6412
25 mph	1.8128	0.2642	0.9405	4.1441	1.6736	0.3924	2.9406	0.4756	12.6438
30 mph	1.1133	0.1614	0.5755	4.5093	1.4037	0.3313	2.2708	0.3746	10.7399
35 mph	11.6010	1.6850	5.9838	6.5372	1.5599	0.3657	1.5814	0.2665	29.5807
40 mph	(2.7422)	(0.3992)	(0.9048)	2.6030	1.0826	0.2513	1.4297	0.2401	1.5604
45 mph	(2.0281)	(0.2957)	(1.0466)	1.9802	0.8460	0.1919	0.9818	0.1699	0.7994
50 mph	(2.1911)	(0.3243)	(1.1355)	2.0325	0.9365	0.2047	0.7989	0.1359	0.4576
55 mph	(1.0307)	(0.1548)	(0.5363)	1.2164	0.5862	0.1220	0.2572	0.0457	0.5057
60 mph	(0.1319)	(0.0201)	(0.0690)	1.3371	0.6278	0.1247	11.1691	1.9503	14.9879
65 mph	(0.1618)	(0.0255)	(0.0853)	0.2434	0.1573	0.0294	-	-	0.1574
70 mph	(10.2754)	(1.8097)	(5.5087)	5.8722	4.9094	0.7636	-	-	(6.0485)
total	0.4630	(0.2451)	0.5730	34.6743	22.8165	5.4351	31.8491	4.0073	99.5733

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0172	0.0001	0.0034	0.0371	0.4359	0.3187	0.3934	2.3546	3.5606
15 mph	0.0034	0.0000	0.0007	0.0073	0.0945	0.0683	0.0717	0.4220	0.6679
20 mph	0.0029	0.0000	0.0005	0.0058	0.0974	0.0688	0.0960	0.4941	0.7655
25 mph	0.0090	0.0001	0.0017	0.0179	0.3485	0.2423	0.4028	2.1878	3.2100
30 mph	0.0076	0.0001	0.0014	0.0151	0.3186	0.2196	0.2805	1.5226	2.3655
35 mph	0.0051	0.0001	0.0009	0.0100	0.2320	0.1578	0.0950	0.5169	1.0178
40 mph	0.0014	0.0000	0.0003	0.0028	0.0719	0.0484	0.0791	0.4322	0.6361
45 mph	0.0011	0.0000	0.0002	0.0020	0.0582	0.0388	0.0484	0.2657	0.4145
50 mph	0.0010	0.0000	0.0002	0.0018	0.0603	0.0398	0.0650	0.3523	0.5204
55 mph	0.0007	0.0000	0.0001	0.0013	0.0515	0.0337	0.0142	0.0783	0.1798
60 mph	0.0015	0.0001	0.0002	0.0026	0.1155	0.0754	0.0158	0.0850	0.2961
65 mph	0.0002	0.0000	0.0000	0.0003	0.0186	0.0120	-	-	0.0312
70 mph	-	-	-	-	-	-	-	-	-
total	0.0512	0.0006	0.0096	0.1041	1.9030	1.3236	1.5620	8.7114	13.6655

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0111)	(0.0001)	(0.0022)	0.0091	0.1832	0.1340	-	-	0.3130
15 mph	(0.0055)	(0.0000)	(0.0011)	0.0045	0.0993	0.0718	-	-	0.1690
20 mph	(0.0023)	(0.0000)	(0.0004)	0.0018	0.0512	0.0361	0.2249	1.1574	1.4686
25 mph	(0.0029)	(0.0000)	(0.0005)	0.0022	0.0732	0.0509	0.3002	1.6306	2.0537
30 mph	(0.0045)	(0.0001)	(0.0008)	0.0034	0.1217	0.0839	0.3942	2.1400	2.7378
35 mph	(0.0082)	(0.0001)	(0.0015)	0.0062	0.2438	0.1658	0.2968	1.6145	2.3172
40 mph	(0.0078)	(0.0002)	(0.0014)	0.0057	0.2519	0.1695	0.2038	1.1136	1.7353
45 mph	(0.0055)	(0.0001)	(0.0010)	0.0040	0.1958	0.1305	0.1135	0.6223	1.0596
50 mph	(0.0057)	(0.0001)	(0.0010)	0.0040	0.2281	0.1505	0.0469	0.2539	0.6766
55 mph	(0.0030)	(0.0001)	(0.0005)	0.0020	0.1352	0.0885	0.0222	0.1222	0.3665
60 mph	(0.0019)	(0.0001)	(0.0003)	0.0012	0.0910	0.0594	1.7268	9.2949	11.1710
65 mph	(0.0007)	(0.0000)	(0.0001)	0.0004	0.0391	0.0251	-	-	0.0638
70 mph	(0.0319)	(0.0015)	(0.0055)	0.0220	2.9403	1.7471	-	-	4.6705
total	(0.0910)	(0.0025)	(0.0162)	0.0665	4.6540	2.9132	3.3292	17.9495	28.8027

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.9083	0.6543	2.2999	7.1219	10.9845
15 mph	0.0456	0.0003	0.0090	0.0126	0.1981	0.1432	0.1408	0.8295	1.3790
25 mph	-	-	-	-	0.1387	0.0964	0.3150	1.7108	2.2609
35 mph	0.0323	0.0006	0.0058	0.0076	-	-	-	-	0.0462
total	0.0779	0.0008	0.0148	0.0201	1.2451	0.8939	2.7558	9.6622	14.6706

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.9083	0.6543	2.2999	7.1219	10.9845
10 mph	0.0061	0.0000	0.0012	0.0463	0.6192	0.4527	0.3934	2.3546	3.8735
15 mph	0.0435	0.0003	0.0086	0.0244	0.3919	0.2834	0.2125	1.2514	2.2159
20 mph	0.0006	0.0000	0.0001	0.0076	0.1485	0.1049	0.3209	1.6515	2.2341
25 mph	0.0061	0.0001	0.0011	0.0201	0.5604	0.3897	1.0180	5.5293	7.5247
30 mph	0.0032	0.0000	0.0006	0.0185	0.4404	0.3034	0.6746	3.6626	5.1033
35 mph	0.0291	0.0005	0.0052	0.0237	0.4758	0.3235	0.3919	2.1314	3.3812
40 mph	(0.0063)	(0.0001)	(0.0011)	0.0085	0.3238	0.2179	0.2829	1.5458	2.3714
45 mph	(0.0044)	(0.0001)	(0.0008)	0.0060	0.2541	0.1693	0.1619	0.8880	1.4741
50 mph	(0.0047)	(0.0001)	(0.0008)	0.0058	0.2884	0.1903	0.1119	0.6062	1.1969
55 mph	(0.0023)	(0.0001)	(0.0004)	0.0033	0.1867	0.1222	0.0364	0.2005	0.5464
60 mph	(0.0003)	(0.0000)	(0.0001)	0.0038	0.2065	0.1348	1.7426	9.3799	11.4671
65 mph	(0.0005)	(0.0000)	(0.0001)	0.0008	0.0577	0.0371	-	-	0.0950
70 mph	(0.0319)	(0.0015)	(0.0055)	0.0220	2.9403	1.7471	-	-	4.6705
total	0.0381	(0.0010)	0.0082	0.1907	7.8021	5.1307	7.6470	36.3230	57.1387

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								2.7366	2.7366
15 mph								0.6421	0.6421
20 mph								0.9285	0.9285
25 mph								3.7443	3.7443
30 mph								2.5107	2.5107
35 mph								0.8336	0.8336
40 mph								0.6838	0.6838
45 mph								0.4041	0.4041
50 mph								0.4857	0.4857
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	12.9694	12.9694

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								2.1751	2.1751
25 mph								2.7908	2.7908
30 mph								3.5288	3.5288
35 mph								2.6037	2.6037
40 mph								1.7619	1.7619
45 mph								0.9466	0.9466
50 mph								0.3501	0.3501
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	11.0983	11.0983

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.3503	0.3503
15 mph								1.2621	1.2621
25 mph								2.9280	2.9280
35 mph								-	-
total	-	-	-	-	-	-	-	4.5404	4.5404

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.3503	0.3503
10 mph								2.7366	2.7366
15 mph								1.9042	1.9042
20 mph								3.1036	3.1036
25 mph								9.4630	9.4630
30 mph								6.0395	6.0395
35 mph								3.4373	3.4373
40 mph								2.4457	2.4457
45 mph								1.3508	1.3508
50 mph								0.8358	0.8358
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	31.6667	31.6667

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	8.3497	2.9616	11.0719	7.5561	29.9392
10 mph	0.3194	0.0481	0.1670	1.6476	1.2497	0.5862	0.8487	5.1656	10.0324
15 mph	4.1141	0.6092	2.1433	1.5491	0.9845	0.4156	0.6062	3.2192	13.6412
20 mph	0.1137	0.0167	0.0591	1.0804	0.5174	0.1900	1.1196	4.8820	7.9789
25 mph	1.8189	0.2643	0.9416	4.1642	2.2340	0.7820	3.9587	15.4679	29.6315
30 mph	1.1164	0.1615	0.5760	4.5277	1.8441	0.6348	2.9455	10.0766	21.8827
35 mph	11.6302	1.6855	5.9891	6.5610	2.0358	0.6892	1.9732	5.8353	36.3992
40 mph	(2.7485)	(0.3994)	(0.9059)	2.6115	1.4064	0.4692	1.7126	4.2316	6.3775
45 mph	(2.0325)	(0.2958)	(1.0474)	1.9862	1.1001	0.3612	1.1438	2.4087	3.6242
50 mph	(2.1959)	(0.3245)	(1.1363)	2.0383	1.2249	0.3950	0.9108	1.5778	2.4903
55 mph	(1.0330)	(0.1549)	(0.5366)	1.2198	0.7729	0.2441	0.2936	0.2461	1.0521
60 mph	(0.1322)	(0.0202)	(0.0691)	1.3409	0.8343	0.2595	12.9116	11.3302	26.4550
65 mph	(0.1623)	(0.0255)	(0.0854)	0.2442	0.2150	0.0665	-	-	0.2524
70 mph	(10.3073)	(1.8113)	(5.5141)	5.8942	7.8498	2.5107	-	-	(1.3780)
STREX	2.8388	0.2302	1.3452	5.9245	1.1898	0.3608	1.4998	0.0123	13.4014
total	3.3398	(0.0159)	1.9265	40.7895	31.8084	10.9266	40.9959	72.0093	**201.7801**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.0751	2.2311	2.6303	3.0442	1.6888	1.6548	4.2036	5.0645
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.8388	0.2302	1.3452	5.9245	1.1898	0.3608	1.4998	0.0123
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	2.8388	0.2302	1.3452	5.9245	1.1898	0.3608	1.4998	0.0123

World Logistics Center
Mobile Emissions - 2023 (Net) - Mitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0560	0.0560	0.1421	0.2339
10 mph	0.0049	0.0057	0.0061	0.0075	0.0149	0.0171	0.0310	0.0380
15 mph	0.0040	0.0047	0.0050	0.0061	0.0122	0.0140	0.0253	0.0312
20 mph	0.0033	0.0039	0.0042	0.0051	0.0101	0.0116	0.0210	0.0260
25 mph	0.0029	0.0033	0.0036	0.0044	0.0086	0.0099	0.0180	0.0222
30 mph	0.0025	0.0030	0.0032	0.0039	0.0077	0.0088	0.0160	0.0197
35 mph	0.0024	0.0027	0.0029	0.0036	0.0071	0.0082	0.0148	0.0183
40 mph	0.0023	0.0027	0.0028	0.0035	0.0069	0.0079	0.0144	0.0176
45 mph	0.0023	0.0027	0.0028	0.0035	0.0069	0.0079	0.0144	0.0177
50 mph	0.0024	0.0028	0.0029	0.0036	0.0071	0.0082	0.0148	0.0182
55 mph	0.0025	0.0029	0.0030	0.0038	0.0074	0.0085	0.0154	0.0189
60 mph	0.0025	0.0029	0.0031	0.0039	0.0077	0.0089	0.0160	0.0196
65 mph	0.0026	0.0030	0.0032	0.0040	0.0079	0.0091		
70 mph	0.0026	0.0031	0.0033	0.0041	0.0081	0.0092		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0356	0.0573	0.0599	0.0552
10 mph	0.0039	0.0084	0.0053	0.0066	0.0093	0.0104	0.0182	0.0311
15 mph	0.0032	0.0069	0.0044	0.0056	0.0060	0.0069	0.0144	0.0225
20 mph	0.0026	0.0057	0.0036	0.0046	0.0051	0.0059	0.0123	0.0185
25 mph	0.0022	0.0048	0.0030	0.0039	0.0046	0.0052	0.0108	0.0159
30 mph	0.0019	0.0041	0.0026	0.0034	0.0041	0.0047	0.0095	0.0140
35 mph	0.0017	0.0037	0.0024	0.0031	0.0042	0.0047	0.0086	0.0129
40 mph	0.0016	0.0034	0.0022	0.0029	0.0040	0.0046	0.0079	0.0118
45 mph	0.0016	0.0033	0.0021	0.0028	0.0039	0.0044	0.0075	0.0112
50 mph	0.0016	0.0033	0.0021	0.0028	0.0041	0.0046	0.0074	0.0107
55 mph	0.0016	0.0035	0.0022	0.0030	0.0043	0.0047	0.0075	0.0110
60 mph	0.0018	0.0038	0.0024	0.0032	0.0044	0.0047	0.0080	0.0116
65 mph	0.0020	0.0042	0.0027	0.0036	0.0044	0.0048		
70 mph	0.0022	0.0044	0.0029	0.0039	0.0045	0.0048		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0000
10 mph								0.0000
15 mph								0.0000
20 mph								0.0000
25 mph								0.0000
30 mph								0.0000
35 mph								0.0000
40 mph								0.0000
45 mph								0.0000
50 mph								0.0000
55 mph								0.0000
60 mph								0.0000
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10 mph	0.0038	0.0003	0.0018	0.0050	0.0043	0.0015	0.0053	0.0000	0.0221
15 mph	0.0013	0.0001	0.0006	0.0016	0.0014	0.0005	0.0014	0.0000	0.0069
20 mph	0.0021	0.0002	0.0010	0.0027	0.0023	0.0008	0.0024	0.0000	0.0115
25 mph	0.0089	0.0008	0.0042	0.0117	0.0100	0.0036	0.0112	0.0001	0.0504
30 mph	0.0087	0.0008	0.0041	0.0114	0.0098	0.0035	0.0090	0.0001	0.0473
35 mph	0.0066	0.0006	0.0031	0.0087	0.0074	0.0026	0.0038	0.0000	0.0328
40 mph	0.0021	0.0002	0.0010	0.0028	0.0024	0.0009	0.0041	0.0000	0.0135
45 mph	0.0018	0.0002	0.0008	0.0023	0.0020	0.0007	0.0033	0.0000	0.0111
50 mph	0.0018	0.0002	0.0009	0.0024	0.0021	0.0007	0.0054	0.0000	0.0136
55 mph	0.0015	0.0001	0.0007	0.0020	0.0017	0.0006	0.0013	0.0000	0.0080
60 mph	0.0032	0.0003	0.0015	0.0042	0.0036	0.0013	0.0014	0.0000	0.0153
65 mph	0.0004	0.0000	0.0002	0.0005	0.0005	0.0002	0.0000	0.0000	0.0018
70 mph	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
total	0.0423	0.0037	0.0197	0.0554	0.0474	0.0169	0.0485	0.0004	0.2343

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10 mph	-0.0025	-0.0002	-0.0012	0.0012	0.0018	0.0006	0.0000	0.0000	-0.0002
15 mph	-0.0020	-0.0002	-0.0009	0.0010	0.0015	0.0005	0.0000	0.0000	-0.0001
20 mph	-0.0017	-0.0001	-0.0008	0.0008	0.0012	0.0004	0.0056	0.0000	0.0055
25 mph	-0.0029	-0.0003	-0.0013	0.0014	0.0021	0.0007	0.0083	0.0001	0.0082
30 mph	-0.0051	-0.0005	-0.0024	0.0025	0.0037	0.0013	0.0127	0.0001	0.0125
35 mph	-0.0107	-0.0009	-0.0050	0.0053	0.0078	0.0028	0.0118	0.0001	0.0112
40 mph	-0.0115	-0.0010	-0.0054	0.0057	0.0084	0.0030	0.0104	0.0001	0.0098
45 mph	-0.0093	-0.0008	-0.0043	0.0046	0.0067	0.0024	0.0076	0.0001	0.0070
50 mph	-0.0107	-0.0009	-0.0050	0.0053	0.0078	0.0028	0.0039	0.0000	0.0032
55 mph	-0.0062	-0.0005	-0.0029	0.0031	0.0045	0.0016	0.0020	0.0000	0.0016
60 mph	-0.0038	-0.0003	-0.0018	0.0019	0.0028	0.0010	0.1485	0.0012	0.1495
65 mph	-0.0013	-0.0001	-0.0006	0.0007	0.0010	0.0003	0.0000	0.0000	-0.0001
70 mph	-0.0607	-0.0054	-0.0283	0.0309	0.0451	0.0160	0.0000	0.0000	-0.0024
total	-0.1284	-0.0113	-0.0598	0.0646	0.0945	0.0335	0.2109	0.0018	0.2058

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	0.0000	0.0000	0.0000	0.0000	0.0027	0.0008	0.0032	0.0001	0.0068
15 mph	0.0167	0.0015	0.0078	0.0028	0.0029	0.0010	0.0028	0.0000	0.0356
25 mph	0.0000	0.0000	0.0000	0.0000	0.0040	0.0014	0.0087	0.0001	0.0142
35 mph	0.0420	0.0037	0.0195	0.0066	0.0000	0.0000	0.0000	0.0000	0.0718
total	0.0587	0.0052	0.0273	0.0094	0.0096	0.0033	0.0148	0.0001	0.1284

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	0.0000	0.0000	0.0000	0.0000	0.0027	0.0008	0.0032	0.0001	0.0068
10 mph	0.0014	0.0001	0.0006	0.0062	0.0061	0.0022	0.0053	0.0000	0.0220
15 mph	0.0159	0.0014	0.0074	0.0055	0.0058	0.0021	0.0042	0.0000	0.0424
20 mph	0.0004	0.0000	0.0002	0.0036	0.0036	0.0013	0.0079	0.0001	0.0170
25 mph	0.0061	0.0005	0.0028	0.0131	0.0161	0.0057	0.0283	0.0002	0.0728
30 mph	0.0036	0.0003	0.0017	0.0139	0.0135	0.0048	0.0217	0.0002	0.0598
35 mph	0.0379	0.0033	0.0177	0.0206	0.0152	0.0054	0.0155	0.0001	0.1158
40 mph	-0.0094	-0.0008	-0.0044	0.0085	0.0108	0.0038	0.0145	0.0001	0.0232
45 mph	-0.0075	-0.0007	-0.0035	0.0070	0.0087	0.0031	0.0109	0.0001	0.0182
50 mph	-0.0089	-0.0008	-0.0041	0.0078	0.0099	0.0035	0.0094	0.0001	0.0168
55 mph	-0.0047	-0.0004	-0.0022	0.0051	0.0062	0.0022	0.0033	0.0000	0.0097
60 mph	-0.0007	-0.0001	-0.0003	0.0061	0.0064	0.0023	0.1499	0.0012	0.1648
65 mph	-0.0009	-0.0001	-0.0004	0.0012	0.0014	0.0005	0.0000	0.0000	0.0017
70 mph	-0.0607	-0.0054	-0.0283	0.0309	0.0451	0.0160	0.0000	0.0000	-0.0024
total	-0.0274	-0.0025	-0.0128	0.1293	0.1515	0.0537	0.2742	0.0023	0.5685

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10 mph	0.0000	0.0000	0.0000	0.0001	0.0019	0.0015	0.0147	0.0481	0.0664
15 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0004	0.0039	0.0116	0.0164
20 mph	0.0000	0.0000	0.0000	0.0001	0.0009	0.0007	0.0066	0.0190	0.0273
25 mph	0.0001	0.0000	0.0000	0.0002	0.0038	0.0031	0.0318	0.0902	0.1293
30 mph	0.0001	0.0000	0.0000	0.0002	0.0038	0.0031	0.0256	0.0723	0.1051
35 mph	0.0000	0.0000	0.0000	0.0002	0.0031	0.0025	0.0104	0.0300	0.0462
40 mph	0.0000	0.0000	0.0000	0.0001	0.0010	0.0008	0.0106	0.0304	0.0429
45 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0007	0.0081	0.0230	0.0326
50 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0007	0.0129	0.0360	0.0504
55 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0006	0.0030	0.0085	0.0129
60 mph	0.0000	0.0000	0.0000	0.0001	0.0014	0.0011	0.0032	0.0089	0.0148
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0001	0.0000	0.0000	0.0003
70 mph	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
total	0.0003	0.0000	0.0001	0.0011	0.0189	0.0154	0.1308	0.3781	0.5447

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	0.0000	0.0000	0.0015
15 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0004	0.0000	0.0000	0.0010
20 mph	0.0000	0.0000	0.0000	0.0000	0.0004	0.0004	0.0155	0.0446	0.0609
25 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0007	0.0237	0.0673	0.0924
30 mph	0.0000	0.0000	0.0000	0.0001	0.0014	0.0012	0.0360	0.1015	0.1402
35 mph	-0.0001	0.0000	0.0000	0.0001	0.0033	0.0027	0.0324	0.0937	0.1320
40 mph	-0.0001	0.0000	0.0000	0.0001	0.0035	0.0029	0.0274	0.0784	0.1121
45 mph	-0.0001	0.0000	0.0000	0.0001	0.0027	0.0022	0.0189	0.0538	0.0777
50 mph	-0.0001	0.0000	0.0000	0.0001	0.0032	0.0026	0.0093	0.0259	0.0410
55 mph	0.0000	0.0000	0.0000	0.0001	0.0019	0.0015	0.0047	0.0133	0.0214
60 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0009	0.3516	0.9774	1.3310
65 mph	0.0000	0.0000	0.0000	0.0000	0.0004	0.0003	0.0000	0.0000	0.0007
70 mph	-0.0005	0.0000	-0.0002	0.0007	0.0181	0.0140	0.0000	0.0000	0.0321
total	-0.0009	0.0000	-0.0003	0.0013	0.0383	0.0302	0.5195	1.4559	2.0439

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	0.0000	0.0000	0.0000	0.0000	0.0012	0.0014	0.0065	0.0115	0.0206
15 mph	0.0001	0.0000	0.0000	0.0001	0.0010	0.0009	0.0076	0.0228	0.0326
25 mph	0.0000	0.0000	0.0000	0.0000	0.0015	0.0012	0.0249	0.0706	0.0982
35 mph	0.0003	0.0000	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0005
total	0.0004	0.0000	0.0002	0.0002	0.0038	0.0035	0.0390	0.1048	0.1519

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	0.0000	0.0000	0.0000	0.0000	0.0012	0.0014	0.0065	0.0115	0.0206
10 mph	0.0000	0.0000	0.0000	0.0001	0.0027	0.0022	0.0147	0.0481	0.0679
15 mph	0.0001	0.0000	0.0000	0.0001	0.0021	0.0017	0.0115	0.0344	0.0499
20 mph	0.0000	0.0000	0.0000	0.0001	0.0013	0.0011	0.0221	0.0636	0.0881
25 mph	0.0000	0.0000	0.0000	0.0003	0.0061	0.0050	0.0805	0.2281	0.3200
30 mph	0.0000	0.0000	0.0000	0.0003	0.0052	0.0043	0.0616	0.1738	0.2452
35 mph	0.0003	0.0000	0.0001	0.0004	0.0063	0.0052	0.0428	0.1236	0.1787
40 mph	-0.0001	0.0000	0.0000	0.0002	0.0045	0.0037	0.0380	0.1088	0.1551
45 mph	0.0000	0.0000	0.0000	0.0001	0.0036	0.0029	0.0269	0.0768	0.1102
50 mph	-0.0001	0.0000	0.0000	0.0001	0.0041	0.0032	0.0222	0.0619	0.0915
55 mph	0.0000	0.0000	0.0000	0.0001	0.0026	0.0020	0.0078	0.0218	0.0343
60 mph	0.0000	0.0000	0.0000	0.0001	0.0026	0.0020	0.3548	0.9863	1.3458
65 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	0.0000	0.0000	0.0010
70 mph	-0.0005	0.0000	-0.0002	0.0007	0.0181	0.0140	0.0000	0.0000	0.0321
total	-0.0002	0.0000	-0.0001	0.0026	0.0610	0.0491	0.6894	1.9387	2.7405

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									0	0
10 mph									0	0
15 mph									0	0
20 mph									0	0
25 mph									0	0
30 mph									0	0
35 mph									0	0
40 mph									0	0
45 mph									0	0
50 mph									0	0
55 mph									0	0
60 mph									0	0
65 mph									0	0
70 mph									0	0
total		0	0	0	0	0	0	0	0	0

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									0	0
10 mph									0	0
15 mph									0	0
20 mph									0	0
25 mph									0	0
30 mph									0	0
35 mph									0	0
40 mph									0	0
45 mph									0	0
50 mph									0	0
55 mph									0	0
60 mph									0	0
65 mph									0	0
70 mph									0	0
total		0	0	0	0	0	0	0	0	0

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									0	0
15 mph									0	0
25 mph									0	0
35 mph									0	0
total		0	0	0	0	0	0	0	0	0

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									0	0
10 mph									0	0
15 mph									0	0
20 mph									0	0
25 mph									0	0
30 mph									0	0
35 mph									0	0
40 mph									0	0
45 mph									0	0
50 mph									0	0
55 mph									0	0
60 mph									0	0
65 mph									0	0
70 mph									0	0
total		0	0	0	0	0	0	0	0	0

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.03
10 mph	0.00	0.00	0.00	0.01	0.01	0.00	0.02	0.05	0.09
15 mph	0.02	0.00	0.01	0.01	0.01	0.00	0.02	0.03	0.09
20 mph	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.06	0.11
25 mph	0.01	0.00	0.00	0.01	0.02	0.01	0.11	0.23	0.39
30 mph	0.00	0.00	0.00	0.01	0.02	0.01	0.08	0.17	0.31
35 mph	0.04	0.00	0.02	0.02	0.02	0.01	0.06	0.12	0.29
40 mph	-0.01	0.00	0.00	0.01	0.02	0.01	0.05	0.11	0.18
45 mph	-0.01	0.00	0.00	0.01	0.01	0.01	0.04	0.08	0.13
50 mph	-0.01	0.00	0.00	0.01	0.01	0.01	0.03	0.06	0.11
55 mph	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.02	0.04
60 mph	0.00	0.00	0.00	0.01	0.01	0.00	0.50	0.99	1.51
65 mph	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70 mph	-0.06	-0.01	-0.03	0.03	0.06	0.03	0.00	0.00	0.03
STREX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
total	-0.03	0.00	-0.01	0.13	0.21	0.10	0.96	1.94	**3.31**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5.27E-04	6.19E-04	6.70E-04	8.26E-04	1.85E-04	2.10E-04	3.76E-04	4.97E-04
Diesel	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Electric/NG	0.00E+00	0.00E+00	0.00E+00	0.00E+00				0.00E+00

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.00072067	6.382E-05	0.0003426	0.00160806	0.00013059	4.5855E-05	0.00013427	1.2049E-06
Diesel	0	0	0	0	0	0	0	0
Electric/NG	0	0	0	0	0	0	0	0
Total	0.00072067	6.382E-05	0.0003426	0.00160806	0.00013059	4.5855E-05	0.00013427	1.2049E-06

World Logistics Center
Mobile Emissions - 2023 (Net) - Mitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0400	0.0365	0.0339	0.0457
10 mph	0.0059	0.0086	0.0063	0.0065	0.0051	0.0047	0.0044	0.0060
15 mph	0.0039	0.0058	0.0042	0.0043	0.0034	0.0031	0.0029	0.0040
20 mph	0.0028	0.0041	0.0029	0.0031	0.0024	0.0022	0.0021	0.0029
25 mph	0.0020	0.0031	0.0022	0.0023	0.0018	0.0016	0.0015	0.0022
30 mph	0.0016	0.0024	0.0017	0.0018	0.0014	0.0013	0.0012	0.0018
35 mph	0.0013	0.0020	0.0014	0.0014	0.0012	0.0010	0.0010	0.0015
40 mph	0.0011	0.0017	0.0012	0.0012	0.0010	0.0009	0.0008	0.0013
45 mph	0.0010	0.0016	0.0011	0.0011	0.0009	0.0008	0.0008	0.0012
50 mph	0.0010	0.0015	0.0011	0.0011	0.0009	0.0008	0.0007	0.0012
55 mph	0.0010	0.0015	0.0011	0.0011	0.0009	0.0008	0.0008	0.0012
60 mph	0.0011	0.0016	0.0012	0.0012	0.0010	0.0009	0.0008	0.0013
65 mph	0.0012	0.0018	0.0013	0.0012	0.0011	0.0010		
70 mph	0.0013	0.0020	0.0014	0.0014	0.0012	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7993	0.8137	0.0073	0.0101
10 mph	0.0215	0.3551	0.0140	0.0111	0.0370	0.0406	0.0043	0.0137
15 mph	0.0166	0.2575	0.0113	0.0089	0.0277	0.0313	0.0034	0.0103
20 mph	0.0131	0.1967	0.0092	0.0072	0.0222	0.0253	0.0029	0.0068
25 mph	0.0104	0.1581	0.0076	0.0060	0.0183	0.0209	0.0028	0.0072
30 mph	0.0086	0.1332	0.0066	0.0052	0.0159	0.0181	0.0030	0.0077
35 mph	0.0074	0.1179	0.0059	0.0046	0.0144	0.0162	0.0036	0.0091
40 mph	0.0067	0.1081	0.0054	0.0043	0.0133	0.0150	0.0045	0.0115
45 mph	0.0064	0.1032	0.0050	0.0040	0.0126	0.0141	0.0058	0.0148
50 mph	0.0062	0.1035	0.0049	0.0038	0.0124	0.0137	0.0074	0.0187
55 mph	0.0062	0.1089	0.0048	0.0038	0.0124	0.0136	0.0094	0.0245
60 mph	0.0067	0.1185	0.0049	0.0039	0.0128	0.0140	0.0118	0.0298
65 mph	0.0070	0.1382	0.0051	0.0041	0.0147	0.0156		
70 mph	0.0066	0.1686	0.0064	0.0045	0.0210	0.0196		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0680
10 mph								0.0093
15 mph								0.0075
20 mph								0.0063
25 mph								0.0056
30 mph								0.0053
35 mph								0.0050
40 mph								0.0049
45 mph								0.0050
50 mph								0.0052
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0046	0.0005	0.0018	0.0043	0.0015	0.0004	0.0007	0.0000	0.0140
15 mph	0.0012	0.0001	0.0005	0.0012	0.0004	0.0001	0.0002	0.0000	0.0037
20 mph	0.0017	0.0002	0.0007	0.0016	0.0006	0.0002	0.0002	0.0000	0.0052
25 mph	0.0064	0.0007	0.0025	0.0060	0.0021	0.0006	0.0009	0.0000	0.0193
30 mph	0.0055	0.0006	0.0022	0.0052	0.0018	0.0005	0.0007	0.0000	0.0164
35 mph	0.0037	0.0004	0.0015	0.0035	0.0012	0.0003	0.0002	0.0000	0.0108
40 mph	0.0011	0.0001	0.0004	0.0010	0.0004	0.0001	0.0002	0.0000	0.0033
45 mph	0.0008	0.0001	0.0003	0.0008	0.0003	0.0001	0.0002	0.0000	0.0025
50 mph	0.0008	0.0001	0.0003	0.0007	0.0003	0.0001	0.0003	0.0000	0.0025
55 mph	0.0006	0.0001	0.0003	0.0006	0.0002	0.0001	0.0001	0.0000	0.0019
60 mph	0.0014	0.0002	0.0005	0.0013	0.0005	0.0001	0.0001	0.0000	0.0040
65 mph	0.0002	0.0000	0.0001	0.0002	0.0001	0.0000	-	-	0.0005
70 mph	-	-	-	-	-	-	-	-	-
total	0.0281	0.0032	0.0111	0.0263	0.0092	0.0025	0.0038	0.0000	0.0842

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0030)	(0.0003)	(0.0012)	0.0011	0.0006	0.0002	-	-	(0.0026)
15 mph	(0.0020)	(0.0002)	(0.0008)	0.0007	0.0004	0.0001	-	-	(0.0018)
20 mph	(0.0014)	(0.0002)	(0.0006)	0.0005	0.0003	0.0001	0.0005	0.0000	(0.0007)
25 mph	(0.0021)	(0.0002)	(0.0008)	0.0007	0.0004	0.0001	0.0007	0.0000	(0.0011)
30 mph	(0.0032)	(0.0004)	(0.0013)	0.0012	0.0007	0.0002	0.0009	0.0000	(0.0019)
35 mph	(0.0060)	(0.0007)	(0.0024)	0.0021	0.0013	0.0003	0.0008	0.0000	(0.0045)
40 mph	(0.0057)	(0.0007)	(0.0023)	0.0020	0.0012	0.0003	0.0006	0.0000	(0.0044)
45 mph	(0.0042)	(0.0005)	(0.0017)	0.0015	0.0009	0.0002	0.0004	0.0000	(0.0033)
50 mph	(0.0046)	(0.0005)	(0.0018)	0.0016	0.0010	0.0003	0.0002	0.0000	(0.0038)
55 mph	(0.0026)	(0.0003)	(0.0010)	0.0009	0.0006	0.0002	0.0001	0.0000	(0.0022)
60 mph	(0.0017)	(0.0002)	(0.0007)	0.0006	0.0004	0.0001	0.0076	0.0001	0.0063
65 mph	(0.0006)	(0.0001)	(0.0002)	0.0002	0.0001	0.0000	-	-	(0.0006)
70 mph	(0.0310)	(0.0035)	(0.0121)	0.0107	0.0068	0.0018	-	-	(0.0275)
total	(0.0680)	(0.0077)	(0.0268)	0.0239	0.0147	0.0040	0.0119	0.0001	(0.0481)

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0019	0.0005	0.0008	0.0000	0.0033
15 mph	0.0164	0.0018	0.0065	0.0020	0.0008	0.0002	0.0003	0.0000	0.0281
25 mph	-	-	-	-	0.0008	0.0002	0.0007	0.0000	0.0018
35 mph	0.0234	0.0027	0.0093	0.0026	-	-	-	-	0.0380
total	0.0398	0.0045	0.0158	0.0046	0.0036	0.0010	0.0018	0.0000	0.0711

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0019	0.0005	0.0008	0.0000	0.0033
10 mph	0.0016	0.0002	0.0007	0.0054	0.0021	0.0006	0.0007	0.0000	0.0113
15 mph	0.0156	0.0017	0.0062	0.0039	0.0016	0.0005	0.0005	0.0000	0.0300
20 mph	0.0003	0.0000	0.0001	0.0021	0.0009	0.0002	0.0008	0.0000	0.0045
25 mph	0.0043	0.0005	0.0017	0.0068	0.0033	0.0009	0.0024	0.0000	0.0200
30 mph	0.0023	0.0003	0.0009	0.0063	0.0025	0.0007	0.0016	0.0000	0.0145
35 mph	0.0212	0.0024	0.0084	0.0082	0.0025	0.0007	0.0010	0.0000	0.0443
40 mph	(0.0047)	(0.0005)	(0.0018)	0.0030	0.0016	0.0004	0.0008	0.0000	(0.0011)
45 mph	(0.0034)	(0.0004)	(0.0013)	0.0023	0.0012	0.0003	0.0006	0.0000	(0.0008)
50 mph	(0.0038)	(0.0004)	(0.0015)	0.0024	0.0013	0.0003	0.0005	0.0000	(0.0013)
55 mph	(0.0019)	(0.0002)	(0.0008)	0.0015	0.0008	0.0002	0.0002	0.0000	(0.0003)
60 mph	(0.0003)	(0.0000)	(0.0001)	0.0019	0.0008	0.0002	0.0077	0.0001	0.0103
65 mph	(0.0004)	(0.0000)	(0.0002)	0.0004	0.0002	0.0001	-	-	(0.0000)
70 mph	(0.0310)	(0.0035)	(0.0121)	0.0107	0.0068	0.0018	-	-	(0.0275)
total	(0.0001)	(0.0001)	0.0001	0.0548	0.0274	0.0075	0.0175	0.0002	0.1073

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0002	0.0000	0.0000	0.0002	0.0077	0.0061	0.0035	0.0212	0.0387
15 mph	0.0000	0.0000	0.0000	0.0001	0.0023	0.0019	0.0009	0.0053	0.0105
20 mph	0.0001	0.0000	0.0000	0.0001	0.0037	0.0030	0.0016	0.0070	0.0155
25 mph	0.0003	0.0000	0.0001	0.0004	0.0152	0.0125	0.0082	0.0408	0.0774
30 mph	0.0003	0.0000	0.0001	0.0003	0.0145	0.0119	0.0080	0.0397	0.0748
35 mph	0.0002	0.0000	0.0000	0.0003	0.0107	0.0087	0.0043	0.0212	0.0454
40 mph	0.0001	0.0000	0.0000	0.0001	0.0033	0.0027	0.0060	0.0297	0.0418
45 mph	0.0000	0.0000	0.0000	0.0001	0.0026	0.0021	0.0062	0.0305	0.0415
50 mph	0.0000	0.0000	0.0000	0.0001	0.0026	0.0020	0.0130	0.0626	0.0803
55 mph	0.0000	0.0000	0.0000	0.0000	0.0021	0.0016	0.0038	0.0189	0.0265
60 mph	0.0001	0.0000	0.0000	0.0001	0.0042	0.0033	0.0048	0.0230	0.0356
65 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0005	-	-	0.0011
70 mph	-	-	-	-	-	-	-	-	-
total	0.0013	0.0001	0.0003	0.0016	0.0693	0.0562	0.0603	0.2999	0.4891

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0032	0.0025	-	-	0.0057
15 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0024	0.0020	-	-	0.0043
20 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0019	0.0016	0.0037	0.0165	0.0236
25 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0032	0.0026	0.0061	0.0304	0.0423
30 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0055	0.0045	0.0113	0.0559	0.0771
35 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0112	0.0092	0.0135	0.0662	0.0998
40 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0116	0.0094	0.0156	0.0764	0.1127
45 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0088	0.0071	0.0146	0.0714	0.1016
50 mph	(0.0003)	(0.0000)	(0.0001)	0.0001	0.0097	0.0078	0.0094	0.0451	0.0717
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0054	0.0043	0.0059	0.0295	0.0450
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0033	0.0026	0.5202	2.5191	3.0452
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0013	0.0010	-	-	0.0022
70 mph	(0.0014)	(0.0001)	(0.0004)	0.0008	0.0841	0.0566	-	-	0.1396
total	(0.0034)	(0.0003)	(0.0008)	0.0017	0.1517	0.1111	0.6002	2.9104	3.7706

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0276	0.0202	0.0008	0.0021	0.0507
15 mph	0.0007	0.0000	0.0001	0.0001	0.0048	0.0039	0.0018	0.0104	0.0218
25 mph	-	-	-	-	0.0060	0.0050	0.0064	0.0319	0.0493
35 mph	0.0012	0.0001	0.0003	0.0002	-	-	-	-	0.0018
total	0.0019	0.0001	0.0004	0.0003	0.0384	0.0291	0.0090	0.0444	0.1237

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0276	0.0202	0.0008	0.0021	0.0507
10 mph	0.0001	0.0000	0.0000	0.0002	0.0109	0.0086	0.0035	0.0212	0.0444
15 mph	0.0006	0.0000	0.0001	0.0002	0.0095	0.0077	0.0027	0.0157	0.0366
20 mph	0.0000	0.0000	0.0000	0.0001	0.0056	0.0046	0.0053	0.0235	0.0391
25 mph	0.0002	0.0000	0.0000	0.0004	0.0244	0.0201	0.0208	0.1031	0.1690
30 mph	0.0001	0.0000	0.0000	0.0004	0.0200	0.0164	0.0194	0.0956	0.1519
35 mph	0.0011	0.0001	0.0002	0.0006	0.0219	0.0179	0.0178	0.0874	0.1470
40 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0148	0.0120	0.0216	0.1061	0.1545
45 mph	(0.0002)	(0.0000)	(0.0000)	0.0002	0.0114	0.0092	0.0208	0.1018	0.1431
50 mph	(0.0002)	(0.0000)	(0.0000)	0.0002	0.0123	0.0098	0.0223	0.1077	0.1520
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0074	0.0059	0.0097	0.0484	0.0715
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0076	0.0060	0.5249	2.5421	3.0807
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0019	0.0014	-	-	0.0033
70 mph	(0.0014)	(0.0001)	(0.0004)	0.0008	0.0841	0.0566	-	-	0.1396
total	(0.0001)	(0.0001)	(0.0001)	0.0036	0.2594	0.1964	0.6696	3.2546	4.3834

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0008	0.0008
15 mph								0.0002	0.0002
20 mph								0.0003	0.0003
25 mph								0.0017	0.0017
30 mph								0.0014	0.0014
35 mph								0.0006	0.0006
40 mph								0.0007	0.0007
45 mph								0.0005	0.0005
50 mph								0.0009	0.0009
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0072	0.0072

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0008	0.0008
25 mph								0.0013	0.0013
30 mph								0.0020	0.0020
35 mph								0.0019	0.0019
40 mph								0.0017	0.0017
45 mph								0.0013	0.0013
50 mph								0.0007	0.0007
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0060	0.0060

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0007	0.0007
15 mph								0.0004	0.0004
25 mph								0.0013	0.0013
35 mph								-	-
total	-	-	-	-	-	-	-	0.0025	0.0025

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0007	0.0007
10 mph								0.0008	0.0008
15 mph								0.0006	0.0006
20 mph								0.0011	0.0011
25 mph								0.0042	0.0042
30 mph								0.0034	0.0034
35 mph								0.0025	0.0025
40 mph								0.0024	0.0024
45 mph								0.0018	0.0018
50 mph								0.0016	0.0016
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0192	0.0192

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0295	0.0208	0.0016	0.0028	0.0547
10 mph	0.0017	0.0002	0.0007	0.0056	0.0130	0.0092	0.0042	0.0219	0.0565
15 mph	0.0163	0.0018	0.0063	0.0041	0.0111	0.0082	0.0032	0.0163	0.0673
20 mph	0.0003	0.0000	0.0001	0.0023	0.0065	0.0048	0.0060	0.0246	0.0447
25 mph	0.0045	0.0005	0.0018	0.0072	0.0278	0.0210	0.0231	0.1073	0.1932
30 mph	0.0024	0.0003	0.0009	0.0067	0.0224	0.0171	0.0210	0.0990	0.1698
35 mph	0.0223	0.0025	0.0086	0.0088	0.0244	0.0186	0.0188	0.0899	0.1938
40 mph	(0.0049)	(0.0005)	(0.0019)	0.0033	0.0164	0.0125	0.0225	0.1085	0.1557
45 mph	(0.0036)	(0.0004)	(0.0014)	0.0024	0.0125	0.0095	0.0214	0.1037	0.1441
50 mph	(0.0040)	(0.0004)	(0.0015)	0.0026	0.0135	0.0101	0.0228	0.1093	0.1523
55 mph	(0.0021)	(0.0002)	(0.0008)	0.0016	0.0082	0.0061	0.0099	0.0484	0.0712
60 mph	(0.0003)	(0.0000)	(0.0001)	0.0020	0.0084	0.0062	0.5326	2.5422	3.0910
65 mph	(0.0005)	(0.0000)	(0.0002)	0.0004	0.0021	0.0015	-	-	0.0033
70 mph	(0.0325)	(0.0037)	(0.0125)	0.0115	0.0909	0.0584	-	-	0.1121
STREX	0.0025	0.0003	0.0009	0.0038	0.0003	0.0001	0.0002	0.0000	0.0081
total	0.0022	0.0001	0.0009	0.0622	0.2872	0.2040	0.6872	3.2741	**4.5180**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0018	0.0025	0.0018	0.0020	0.0004	0.0003	0.0004	0.0013
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0025	0.0003	0.0009	0.0038	0.0003	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0025	0.0003	0.0009	0.0038	0.0003	0.0001	0.0002	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.7002	0.0528	0.2618	0.5980	0.4887	0.1741	0.4021	0.0016
Diesel	0.0066	0.0000	0.0018	0.0136	0.3660	0.3016	1.9142	2.4782
Electric/NG	0.0159	0.0005	0.0033	0.0062	-	-	-	0.1325
Total	0.7227	0.0533	0.2669	0.6178	0.8547	0.4757	2.3163	2.6122

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	(2.2605)	(0.1705)	(0.8451)	0.7353	1.0270	0.3658	1.8837	0.0073
Diesel	(0.0213)	(0.0001)	(0.0058)	0.0168	0.7692	0.6339	8.9681	11.6103
Electric/NG	(0.0515)	(0.0016)	(0.0107)	0.0076	-	-	-	0.6206
Total	(2.3332)	(0.1721)	(0.8615)	0.7596	1.7962	0.9997	10.8518	12.2382

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.9853	0.0743	0.3683	0.1021	0.0594	0.0211	0.0850	0.0003
Diesel	0.0093	0.0000	0.0025	0.0023	0.0445	0.0366	0.4046	0.5238
Electric/NG	0.0224	0.0007	0.0047	0.0011	-	-	-	0.0280
Total	1.0170	0.0750	0.3755	0.1054	0.1038	0.0578	0.4896	0.5521

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	(0.5750)	(0.0434)	(0.2150)	1.4353	1.5751	0.5610	2.3707	0.0092	5.1180
Diesel	(0.0054)	(0.0000)	(0.0015)	0.0327	1.1797	0.9722	11.2869	14.6122	28.0768
Electric/NG	(0.0131)	(0.0004)	(0.0027)	0.0148	-	-	-	0.7811	0.7797
Total	(0.5935)	(0.0438)	(0.2191)	1.4829	2.7548	1.5332	13.6577	15.4025	**33.9746**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	19.5088
Internal	32.0785
Total	**51.5873**

World Logistics Center
Mobile Emissions - 2023 (Net) - Mitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0368	0.0336	0.0312	0.0422
10 mph	0.0055	0.0079	0.0058	0.0060	0.0047	0.0043	0.0041	0.0055
15 mph	0.0036	0.0053	0.0039	0.0040	0.0032	0.0029	0.0027	0.0037
20 mph	0.0025	0.0038	0.0027	0.0028	0.0022	0.0020	0.0019	0.0027
25 mph	0.0019	0.0028	0.0020	0.0021	0.0017	0.0015	0.0014	0.0020
30 mph	0.0015	0.0022	0.0016	0.0016	0.0013	0.0012	0.0011	0.0016
35 mph	0.0012	0.0018	0.0013	0.0013	0.0011	0.0009	0.0009	0.0014
40 mph	0.0010	0.0016	0.0011	0.0011	0.0009	0.0008	0.0008	0.0012
45 mph	0.0010	0.0014	0.0010	0.0010	0.0009	0.0008	0.0007	0.0012
50 mph	0.0009	0.0014	0.0010	0.0010	0.0008	0.0007	0.0007	0.0011
55 mph	0.0009	0.0014	0.0010	0.0010	0.0008	0.0007	0.0007	0.0012
60 mph	0.0010	0.0015	0.0011	0.0011	0.0009	0.0008	0.0008	0.0012
65 mph	0.0011	0.0017	0.0012	0.0012	0.0010	0.0009		
70 mph	0.0012	0.0019	0.0013	0.0013	0.0011	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7648	0.7785	0.0070	0.0096
10 mph	0.0205	0.3397	0.0134	0.0106	0.0354	0.0388	0.0041	0.0131
15 mph	0.0159	0.2463	0.0108	0.0085	0.0265	0.0299	0.0033	0.0098
20 mph	0.0125	0.1882	0.0088	0.0069	0.0212	0.0242	0.0028	0.0065
25 mph	0.0099	0.1513	0.0073	0.0057	0.0175	0.0200	0.0027	0.0069
30 mph	0.0083	0.1274	0.0063	0.0050	0.0152	0.0173	0.0029	0.0074
35 mph	0.0071	0.1128	0.0056	0.0044	0.0137	0.0155	0.0034	0.0087
40 mph	0.0064	0.1035	0.0051	0.0041	0.0127	0.0143	0.0043	0.0110
45 mph	0.0061	0.0988	0.0048	0.0038	0.0120	0.0135	0.0055	0.0141
50 mph	0.0060	0.0990	0.0047	0.0037	0.0119	0.0132	0.0071	0.0179
55 mph	0.0060	0.1042	0.0046	0.0036	0.0119	0.0130	0.0090	0.0234
60 mph	0.0064	0.1134	0.0047	0.0037	0.0123	0.0134	0.0113	0.0285
65 mph	0.0067	0.1322	0.0049	0.0039	0.0140	0.0149		
70 mph	0.0063	0.1613	0.0062	0.0043	0.0201	0.0188		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0650
10 mph								0.0089
15 mph								0.0072
20 mph								0.0060
25 mph								0.0054
30 mph								0.0050
35 mph								0.0048
40 mph								0.0047
45 mph								0.0048
50 mph								0.0050
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0043	0.0005	0.0017	0.0040	0.0014	0.0004	0.0007	0.0000	0.0128
15 mph	0.0011	0.0001	0.0005	0.0011	0.0004	0.0001	0.0002	0.0000	0.0034
20 mph	0.0016	0.0002	0.0006	0.0015	0.0005	0.0001	0.0002	0.0000	0.0048
25 mph	0.0059	0.0007	0.0023	0.0055	0.0019	0.0005	0.0009	0.0000	0.0178
30 mph	0.0051	0.0006	0.0020	0.0047	0.0016	0.0005	0.0006	0.0000	0.0151
35 mph	0.0034	0.0004	0.0013	0.0032	0.0011	0.0003	0.0002	0.0000	0.0099
40 mph	0.0010	0.0001	0.0004	0.0009	0.0003	0.0001	0.0002	0.0000	0.0030
45 mph	0.0007	0.0001	0.0003	0.0007	0.0002	0.0001	0.0002	0.0000	0.0023
50 mph	0.0007	0.0001	0.0003	0.0007	0.0002	0.0001	0.0003	0.0000	0.0023
55 mph	0.0006	0.0001	0.0002	0.0005	0.0002	0.0001	0.0001	0.0000	0.0017
60 mph	0.0013	0.0001	0.0005	0.0012	0.0004	0.0001	0.0001	0.0000	0.0037
65 mph	0.0002	0.0000	0.0001	0.0002	0.0001	0.0000	-	-	0.0005
70 mph	-	-	-	-	-	-	-	-	-
total	0.0258	0.0029	0.0102	0.0242	0.0084	0.0023	0.0035	0.0000	0.0775

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0028)	(0.0003)	(0.0011)	0.0010	0.0006	0.0002	-	-	(0.0024)
15 mph	(0.0018)	(0.0002)	(0.0007)	0.0007	0.0004	0.0001	-	-	(0.0016)
20 mph	(0.0013)	(0.0001)	(0.0005)	0.0005	0.0003	0.0001	0.0005	0.0000	(0.0006)
25 mph	(0.0019)	(0.0002)	(0.0008)	0.0007	0.0004	0.0001	0.0006	0.0000	(0.0010)
30 mph	(0.0030)	(0.0003)	(0.0012)	0.0011	0.0006	0.0002	0.0009	0.0000	(0.0017)
35 mph	(0.0055)	(0.0006)	(0.0022)	0.0020	0.0012	0.0003	0.0007	0.0000	(0.0041)
40 mph	(0.0053)	(0.0006)	(0.0021)	0.0019	0.0011	0.0003	0.0006	0.0000	(0.0041)
45 mph	(0.0039)	(0.0004)	(0.0015)	0.0014	0.0008	0.0002	0.0004	0.0000	(0.0030)
50 mph	(0.0042)	(0.0005)	(0.0017)	0.0015	0.0009	0.0002	0.0002	0.0000	(0.0035)
55 mph	(0.0024)	(0.0003)	(0.0009)	0.0008	0.0005	0.0001	0.0001	0.0000	(0.0020)
60 mph	(0.0015)	(0.0002)	(0.0006)	0.0005	0.0003	0.0001	0.0070	0.0001	0.0058
65 mph	(0.0006)	(0.0001)	(0.0002)	0.0002	0.0001	0.0000	-	-	(0.0005)
70 mph	(0.0285)	(0.0033)	(0.0112)	0.0098	0.0062	0.0016	-	-	(0.0253)
total	(0.0626)	(0.0071)	(0.0246)	0.0220	0.0135	0.0037	0.0109	0.0001	(0.0441)

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0018	0.0005	0.0007	0.0000	0.0030
15 mph	0.0151	0.0017	0.0060	0.0018	0.0008	0.0002	0.0003	0.0000	0.0258
25 mph	-	-	-	-	0.0008	0.0002	0.0007	0.0000	0.0017
35 mph	0.0215	0.0025	0.0085	0.0024	-	-	-	-	0.0349
total	0.0366	0.0041	0.0145	0.0042	0.0033	0.0009	0.0017	0.0000	0.0654

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0018	0.0005	0.0007	0.0000	0.0030
10 mph	0.0015	0.0002	0.0006	0.0050	0.0019	0.0005	0.0007	0.0000	0.0104
15 mph	0.0144	0.0016	0.0057	0.0036	0.0015	0.0004	0.0004	0.0000	0.0276
20 mph	0.0003	0.0000	0.0001	0.0020	0.0008	0.0002	0.0007	0.0000	0.0042
25 mph	0.0040	0.0005	0.0016	0.0062	0.0031	0.0009	0.0022	0.0000	0.0184
30 mph	0.0021	0.0002	0.0008	0.0058	0.0023	0.0006	0.0015	0.0000	0.0133
35 mph	0.0194	0.0022	0.0077	0.0075	0.0023	0.0006	0.0009	0.0000	0.0407
40 mph	(0.0043)	(0.0005)	(0.0017)	0.0028	0.0015	0.0004	0.0008	0.0000	(0.0010)
45 mph	(0.0031)	(0.0004)	(0.0012)	0.0021	0.0011	0.0003	0.0005	0.0000	(0.0007)
50 mph	(0.0035)	(0.0004)	(0.0014)	0.0022	0.0012	0.0003	0.0004	0.0000	(0.0012)
55 mph	(0.0018)	(0.0002)	(0.0007)	0.0014	0.0007	0.0002	0.0002	0.0000	(0.0002)
60 mph	(0.0003)	(0.0000)	(0.0001)	0.0017	0.0008	0.0002	0.0071	0.0001	0.0094
65 mph	(0.0004)	(0.0000)	(0.0002)	0.0004	0.0002	0.0001	-	-	0.0000
70 mph	(0.0285)	(0.0033)	(0.0112)	0.0098	0.0062	0.0016	-	-	(0.0253)
total	(0.0001)	(0.0001)	0.0001	0.0504	0.0252	0.0069	0.0161	0.0002	0.0987

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0002	0.0000	0.0000	0.0002	0.0073	0.0058	0.0033	0.0202	0.0370
15 mph	0.0000	0.0000	0.0000	0.0001	0.0022	0.0018	0.0009	0.0051	0.0100
20 mph	0.0001	0.0000	0.0000	0.0001	0.0035	0.0029	0.0015	0.0067	0.0148
25 mph	0.0003	0.0000	0.0001	0.0003	0.0145	0.0119	0.0079	0.0390	0.0740
30 mph	0.0003	0.0000	0.0001	0.0003	0.0138	0.0114	0.0077	0.0380	0.0716
35 mph	0.0002	0.0000	0.0000	0.0002	0.0102	0.0083	0.0041	0.0203	0.0435
40 mph	0.0001	0.0000	0.0000	0.0001	0.0032	0.0026	0.0058	0.0284	0.0400
45 mph	0.0000	0.0000	0.0000	0.0001	0.0025	0.0020	0.0059	0.0292	0.0397
50 mph	0.0000	0.0000	0.0000	0.0001	0.0025	0.0020	0.0124	0.0599	0.0768
55 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0016	0.0036	0.0181	0.0253
60 mph	0.0001	0.0000	0.0000	0.0001	0.0041	0.0032	0.0046	0.0220	0.0341
65 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	-	-	0.0010
70 mph	-	-	-	-	-	-	-	-	-
total	0.0013	0.0001	0.0003	0.0016	0.0663	0.0538	0.0577	0.2869	0.4679

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0031	0.0024	-	-	0.0054
15 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0023	0.0019	-	-	0.0041
20 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0018	0.0015	0.0035	0.0157	0.0226
25 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0031	0.0025	0.0059	0.0291	0.0404
30 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0053	0.0043	0.0108	0.0534	0.0738
35 mph	(0.0003)	(0.0000)	(0.0001)	0.0001	0.0107	0.0088	0.0129	0.0633	0.0955
40 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0111	0.0090	0.0149	0.0731	0.1078
45 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0084	0.0068	0.0139	0.0683	0.0972
50 mph	(0.0003)	(0.0000)	(0.0001)	0.0001	0.0093	0.0074	0.0090	0.0432	0.0686
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0052	0.0041	0.0057	0.0282	0.0430
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0032	0.0025	0.4977	2.4101	2.9134
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0012	0.0009	-	-	0.0021
70 mph	(0.0014)	(0.0001)	(0.0004)	0.0007	0.0805	0.0542	-	-	0.1335
total	(0.0032)	(0.0002)	(0.0007)	0.0016	0.1451	0.1063	0.5742	2.7845	3.6075

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0264	0.0194	0.0008	0.0020	0.0485
15 mph	0.0006	0.0000	0.0001	0.0001	0.0046	0.0037	0.0017	0.0100	0.0209
25 mph	-	-	-	-	0.0058	0.0047	0.0061	0.0305	0.0472
35 mph	0.0012	0.0001	0.0003	0.0002	-	-	-	-	0.0017
total	0.0018	0.0001	0.0004	0.0003	0.0368	0.0279	0.0086	0.0425	0.1183

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0264	0.0194	0.0008	0.0020	0.0485
10 mph	0.0001	0.0000	0.0000	0.0002	0.0104	0.0082	0.0033	0.0202	0.0425
15 mph	0.0006	0.0000	0.0001	0.0002	0.0091	0.0074	0.0026	0.0150	0.0350
20 mph	0.0000	0.0000	0.0000	0.0001	0.0054	0.0044	0.0050	0.0225	0.0374
25 mph	0.0002	0.0000	0.0000	0.0004	0.0233	0.0192	0.0199	0.0986	0.1617
30 mph	0.0001	0.0000	0.0000	0.0004	0.0191	0.0157	0.0185	0.0915	0.1453
35 mph	0.0011	0.0001	0.0002	0.0006	0.0210	0.0171	0.0170	0.0836	0.1407
40 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0142	0.0115	0.0207	0.1015	0.1478
45 mph	(0.0002)	(0.0000)	(0.0000)	0.0002	0.0109	0.0088	0.0199	0.0974	0.1369
50 mph	(0.0002)	(0.0000)	(0.0000)	0.0002	0.0118	0.0094	0.0214	0.1030	0.1454
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0071	0.0056	0.0093	0.0463	0.0684
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0073	0.0057	0.5022	2.4321	2.9475
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0018	0.0014	-	-	0.0032
70 mph	(0.0014)	(0.0001)	(0.0004)	0.0007	0.0805	0.0542	-	-	0.1335
total	(0.0001)	(0.0001)	(0.0001)	0.0035	0.2482	0.1880	0.6406	3.1138	4.1937

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0007	0.0007
15 mph								0.0002	0.0002
20 mph								0.0003	0.0003
25 mph								0.0016	0.0016
30 mph								0.0014	0.0014
35 mph								0.0006	0.0006
40 mph								0.0006	0.0006
45 mph								0.0005	0.0005
50 mph								0.0009	0.0009
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0068	0.0068

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0008	0.0008
25 mph								0.0012	0.0012
30 mph								0.0019	0.0019
35 mph								0.0018	0.0018
40 mph								0.0017	0.0017
45 mph								0.0012	0.0012
50 mph								0.0006	0.0006
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0057	0.0057

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0007	0.0007
15 mph								0.0004	0.0004
25 mph								0.0013	0.0013
35 mph								-	-
total	-	-	-	-	-	-	-	0.0024	0.0024

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0007	0.0007
10 mph								0.0007	0.0007
15 mph								0.0006	0.0006
20 mph								0.0011	0.0011
25 mph								0.0041	0.0041
30 mph								0.0033	0.0033
35 mph								0.0024	0.0024
40 mph								0.0023	0.0023
45 mph								0.0017	0.0017
50 mph								0.0015	0.0015
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0184	0.0184

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0282	0.0199	0.0015	0.0027	0.0523
10 mph	0.0016	0.0002	0.0006	0.0052	0.0123	0.0088	0.0040	0.0210	0.0536
15 mph	0.0150	0.0016	0.0058	0.0037	0.0106	0.0078	0.0031	0.0156	0.0633
20 mph	0.0003	0.0000	0.0001	0.0021	0.0061	0.0046	0.0057	0.0236	0.0426
25 mph	0.0042	0.0005	0.0016	0.0066	0.0264	0.0200	0.0220	0.1027	0.1841
30 mph	0.0022	0.0002	0.0008	0.0062	0.0214	0.0163	0.0200	0.0948	0.1620
35 mph	0.0205	0.0023	0.0079	0.0081	0.0233	0.0177	0.0179	0.0860	0.1838
40 mph	(0.0045)	(0.0005)	(0.0018)	0.0030	0.0157	0.0119	0.0215	0.1038	0.1491
45 mph	(0.0033)	(0.0004)	(0.0013)	0.0023	0.0120	0.0091	0.0204	0.0992	0.1379
50 mph	(0.0037)	(0.0004)	(0.0014)	0.0024	0.0129	0.0097	0.0218	0.1045	0.1458
55 mph	(0.0019)	(0.0002)	(0.0007)	0.0015	0.0078	0.0058	0.0095	0.0463	0.0681
60 mph	(0.0003)	(0.0000)	(0.0001)	0.0019	0.0080	0.0059	0.5093	2.4322	2.9569
65 mph	(0.0004)	(0.0000)	(0.0002)	0.0004	0.0020	0.0014	-	-	0.0032
70 mph	(0.0299)	(0.0034)	(0.0115)	0.0106	0.0867	0.0558	-	-	0.1083
STREX	0.0023	0.0002	0.0009	0.0035	0.0003	0.0001	0.0001	0.0000	0.0074
total	0.0020	0.0001	0.0008	0.0574	0.2737	0.1949	0.6569	3.1324	**4.3183**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0017	0.0023	0.0017	0.0018	0.0004	0.0003	0.0004	0.0012
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0023	0.0002	0.0009	0.0035	0.0003	0.0001	0.0001	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0023	0.0002	0.0009	0.0035	0.0003	0.0001	0.0001	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2777	0.0209	0.1038	0.2372	0.2012	0.0720	0.1663	0.0006
Diesel	0.0026	0.0000	0.0007	0.0054	0.1480	0.1229	0.7916	0.8991
Electric/NG	0.0063	0.0002	0.0013	0.0025	-	-	-	0.0481
Total	0.2867	0.0212	0.1058	0.2450	0.3492	0.1949	0.9578	0.9477

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	(0.8966)	(0.0676)	(0.3352)	0.2917	0.4228	0.1514	0.7789	0.0028
Diesel	(0.0085)	(0.0000)	(0.0023)	0.0066	0.3110	0.2582	3.7085	4.2122
Electric/NG	(0.0204)	(0.0006)	(0.0042)	0.0030	-	-	-	0.2252
Total	(0.9255)	(0.0683)	(0.3417)	0.3013	0.7338	0.4096	4.4874	4.4402

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3908	0.0295	0.1461	0.0405	0.0244	0.0088	0.0351	0.0001
Diesel	0.0037	0.0000	0.0010	0.0009	0.0180	0.0149	0.1673	0.1900
Electric/NG	0.0089	0.0003	0.0018	0.0004	-	-	-	0.0102
Total	0.4034	0.0298	0.1489	0.0418	0.0424	0.0237	0.2024	0.2003

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	(0.2281)	(0.0172)	(0.0853)	0.5693	0.6484	0.2322	0.9803	0.0036	2.1032
Diesel	(0.0021)	(0.0000)	(0.0006)	0.0130	0.4770	0.3961	4.6673	5.3013	10.8519
Electric/NG	(0.0052)	(0.0002)	(0.0011)	0.0059	-	-	-	0.2834	0.2828
Total	(0.2354)	(0.0174)	(0.0869)	0.5882	1.1254	0.6282	5.6477	5.5882	**13.2380**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	4.7885
Internal	7.8738
Total	**12.6623**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0217	0.0153	0.0011	0.0021	0.0402
10 mph	0.0010	0.0001	0.0004	0.0033	0.0095	0.0068	0.0031	0.0162	0.0403
15 mph	0.0096	0.0010	0.0037	0.0024	0.0082	0.0060	0.0024	0.0120	0.0453
20 mph	0.0002	0.0000	0.0001	0.0013	0.0047	0.0036	0.0044	0.0181	0.0325
25 mph	0.0027	0.0003	0.0010	0.0042	0.0203	0.0154	0.0170	0.0791	0.1401
30 mph	0.0014	0.0002	0.0005	0.0040	0.0165	0.0126	0.0154	0.0730	0.1235
35 mph	0.0131	0.0015	0.0051	0.0052	0.0179	0.0136	0.0138	0.0663	0.1365
40 mph	(0.0029)	(0.0003)	(0.0011)	0.0019	0.0121	0.0092	0.0165	0.0799	0.1153
45 mph	(0.0021)	(0.0002)	(0.0008)	0.0014	0.0092	0.0070	0.0157	0.0764	0.1065
50 mph	(0.0024)	(0.0003)	(0.0009)	0.0015	0.0099	0.0075	0.0168	0.0805	0.1127
55 mph	(0.0012)	(0.0001)	(0.0005)	0.0010	0.0060	0.0045	0.0073	0.0357	0.0526
60 mph	(0.0002)	(0.0000)	(0.0001)	0.0012	0.0062	0.0046	0.3922	1.8728	2.2766
65 mph	(0.0003)	(0.0000)	(0.0001)	0.0003	0.0015	0.0011	-	-	0.0025
70 mph	(0.0191)	(0.0022)	(0.0074)	0.0068	0.0668	0.0430	-	-	0.0878
total	(0.0002)	(0.0001)	(0.0000)	0.0345	0.2106	0.1500	0.5057	2.4120	3.3124

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2023 (Net) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	975	2.40	0.32	0.0005	0.46	0.0019	1.86
2	L	1,371	2.40	0.32	0.0005	0.64	0.0019	2.61
3	L	1,300	2.40	0.32	0.0005	0.61	0.0019	2.48
5	L	2,102	2.40	0.32	0.0005	0.98	0.0019	4.00
6	L	4,214	2.40	0.32	0.0005	1.97	0.0019	8.03
8	L	3,141	2.40	0.32	0.0005	1.47	0.0019	5.98
11	L	(633)	2.40	0.32	0.0005	(0.30)	0.0019	(1.21)
12	L	(965)	2.40	0.32	0.0005	(0.45)	0.0019	(1.84)
14	L	(517)	2.40	0.32	0.0005	(0.24)	0.0019	(0.99)
18	L	546	2.40	0.32	0.0005	0.26	0.0019	1.04
19	L	2,602	2.40	0.32	0.0005	1.22	0.0019	4.96
21	L	1,337	2.40	0.32	0.0005	0.62	0.0019	2.55
24	L	3,007	2.40	0.32	0.0005	1.41	0.0019	5.73
30	L	(2,953)	2.40	0.32	0.0005	(1.38)	0.0019	(5.63)
29	L	1,414	2.40	0.32	0.0005	0.66	0.0019	2.69
31	L	(102)	2.40	0.32	0.0005	(0.05)	0.0019	(0.19)
TOTAL						7.87		32.08

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2023 (Net) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	43,182	2.40	0.032	0.0001	2.48	0.0002	10.12
Freeway	F	79,814	2.40	0.015	0.0000	2.30	0.0001	9.39
TOTAL		122,996				4.79		19.51

World Logistics Center
Mobile Emissions - 2023 (Net) - Mitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0070	0.0134	0.0105	0.0127	0.0168	0.0188	0.0330	0.2237
15 mph	0.0061	0.0115	0.0092	0.0111	0.0149	0.0166	0.0290	0.1987
20 mph	0.0055	0.0102	0.0082	0.0100	0.0136	0.0150	0.0262	0.1807
25 mph	0.0050	0.0092	0.0074	0.0090	0.0125	0.0137	0.0236	0.1680
30 mph	0.0046	0.0085	0.0068	0.0083	0.0118	0.0128	0.0216	0.1585
35 mph	0.0044	0.0081	0.0064	0.0079	0.0113	0.0121	0.0201	0.1522
40 mph	0.0042	0.0077	0.0061	0.0075	0.0109	0.0116	0.0193	0.1471
45 mph	0.0040	0.0075	0.0060	0.0073	0.0107	0.0113	0.0184	0.1445
50 mph	0.0040	0.0076	0.0059	0.0073	0.0107	0.0112	0.0185	0.1440
55 mph	0.0040	0.0078	0.0060	0.0074	0.0109	0.0113	0.0185	0.1470
60 mph	0.0042	0.0082	0.0063	0.0078	0.0114	0.0118	0.0196	0.1512
65 mph	0.0044	0.0088	0.0067	0.0082	0.0120	0.0124	0.0207	0.1568
70 mph	0.0046	0.0102	0.0070	0.0087	0.0133	0.0125	0.0224	0.1661

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0650	0.1389	0.0880	0.1097	0.1539	0.1722	0.3012	0.4557
15 mph	0.0535	0.1155	0.0730	0.0929	0.1002	0.1142	0.2373	0.3550
20 mph	0.0439	0.0948	0.0600	0.0772	0.0854	0.0975	0.2027	0.2992
25 mph	0.0368	0.0792	0.0503	0.0654	0.0758	0.0869	0.1770	0.2572
30 mph	0.0319	0.0682	0.0435	0.0566	0.0689	0.0785	0.1554	0.2257
35 mph	0.0288	0.0612	0.0392	0.0515	0.0691	0.0787	0.1388	0.2018
40 mph	0.0270	0.0570	0.0366	0.0482	0.0673	0.0759	0.1272	0.1852
45 mph	0.0260	0.0551	0.0353	0.0464	0.0657	0.0730	0.1205	0.1756
50 mph	0.0261	0.0551	0.0354	0.0466	0.0689	0.0757	0.1188	0.1721
55 mph	0.0273	0.0576	0.0370	0.0492	0.0720	0.0783	0.1221	0.1790
60 mph	0.0296	0.0624	0.0400	0.0533	0.0726	0.0785	0.1303	0.1892
65 mph	0.0333	0.0696	0.0450	0.0600	0.0738	0.0790	0.1435	0.2052
70 mph	0.0362	0.0727	0.0481	0.0656	0.0753	0.0805	0.1445	0.2074

*US EPA Emission Factors for Greenhouse Gas Inventories. (idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.9773
15 mph								0.8201
20 mph								0.7152
25 mph								0.6581
30 mph								0.6214
35 mph								0.5924
40 mph								0.5687
45 mph								0.5489
50 mph								0.5320
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0054	0.0008	0.0031	0.0085	0.0049	0.0017	0.0056	0.0003	0.0302
15 mph	0.0019	0.0003	0.0011	0.0030	0.0017	0.0006	0.0016	0.0001	0.0103
20 mph	0.0034	0.0005	0.0019	0.0053	0.0031	0.0011	0.0030	0.0001	0.0185
25 mph	0.0156	0.0022	0.0087	0.0241	0.0145	0.0049	0.0146	0.0007	0.0853
30 mph	0.0159	0.0022	0.0088	0.0245	0.0150	0.0050	0.0122	0.0006	0.0843
35 mph	0.0123	0.0017	0.0068	0.0189	0.0118	0.0039	0.0051	0.0003	0.0607
40 mph	0.0039	0.0005	0.0022	0.0060	0.0038	0.0012	0.0054	0.0003	0.0234
45 mph	0.0031	0.0004	0.0017	0.0049	0.0031	0.0010	0.0042	0.0002	0.0187
50 mph	0.0031	0.0004	0.0017	0.0049	0.0031	0.0010	0.0068	0.0004	0.0215
55 mph	0.0025	0.0004	0.0014	0.0040	0.0025	0.0008	0.0016	0.0001	0.0133
60 mph	0.0053	0.0008	0.0030	0.0084	0.0053	0.0017	0.0017	0.0001	0.0261
65 mph	0.0007	0.0001	0.0004	0.0011	0.0007	0.0002	-	-	0.0032
70 mph	-	-	-	-	-	-	-	-	-
total	0.0732	0.0103	0.0407	0.1136	0.0696	0.0232	0.0618	0.0031	0.3954

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0035)	(0.0005)	(0.0020)	0.0021	0.0020	0.0007	-	-	(0.0012)
15 mph	(0.0031)	(0.0004)	(0.0017)	0.0018	0.0018	0.0006	-	-	(0.0010)
20 mph	(0.0028)	(0.0004)	(0.0015)	0.0016	0.0017	0.0006	0.0069	0.0003	0.0064
25 mph	(0.0050)	(0.0007)	(0.0028)	0.0030	0.0031	0.0010	0.0109	0.0005	0.0100
30 mph	(0.0093)	(0.0013)	(0.0052)	0.0055	0.0057	0.0019	0.0171	0.0009	0.0153
35 mph	(0.0198)	(0.0028)	(0.0109)	0.0116	0.0124	0.0041	0.0159	0.0008	0.0114
40 mph	(0.0210)	(0.0029)	(0.0116)	0.0124	0.0133	0.0044	0.0140	0.0007	0.0093
45 mph	(0.0163)	(0.0023)	(0.0090)	0.0096	0.0104	0.0034	0.0098	0.0005	0.0061
50 mph	(0.0181)	(0.0026)	(0.0101)	0.0108	0.0118	0.0038	0.0049	0.0003	0.0007
55 mph	(0.0102)	(0.0015)	(0.0057)	0.0061	0.0066	0.0021	0.0024	0.0001	0.0001
60 mph	(0.0064)	(0.0009)	(0.0036)	0.0039	0.0042	0.0013	0.1815	0.0095	0.1895
65 mph	(0.0022)	(0.0003)	(0.0013)	0.0014	0.0015	0.0005	-	-	(0.0005)
70 mph	(0.1059)	(0.0179)	(0.0604)	0.0658	0.0743	0.0216	-	-	(0.0225)
total	(0.2236)	(0.0346)	(0.1258)	0.1355	0.1487	0.0460	0.2636	0.0137	0.2235

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0006	0.0002	0.0003	0.0000	0.0012
15 mph	0.0254	0.0036	0.0143	0.0051	0.0036	0.0012	0.0032	0.0001	0.0566
25 mph	-	-	-	-	0.0058	0.0020	0.0115	0.0006	0.0197
35 mph	0.0778	0.0108	0.0429	0.0143	-	-	-	-	0.1459
total	0.1032	0.0145	0.0572	0.0194	0.0100	0.0034	0.0150	0.0007	0.2234

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0006	0.0002	0.0003	0.0000	0.0012
10 mph	0.0019	0.0003	0.0011	0.0106	0.0069	0.0024	0.0056	0.0003	0.0291
15 mph	0.0242	0.0034	0.0136	0.0099	0.0071	0.0025	0.0049	0.0002	0.0658
20 mph	0.0007	0.0001	0.0004	0.0070	0.0048	0.0016	0.0099	0.0005	0.0249
25 mph	0.0106	0.0015	0.0059	0.0271	0.0234	0.0079	0.0370	0.0018	0.1150
30 mph	0.0066	0.0009	0.0036	0.0300	0.0208	0.0070	0.0293	0.0015	0.0996
35 mph	0.0703	0.0098	0.0388	0.0448	0.0242	0.0080	0.0210	0.0011	0.2179
40 mph	(0.0171)	(0.0024)	(0.0094)	0.0184	0.0171	0.0056	0.0195	0.0010	0.0327
45 mph	(0.0131)	(0.0018)	(0.0073)	0.0145	0.0135	0.0044	0.0139	0.0007	0.0248
50 mph	(0.0150)	(0.0021)	(0.0083)	0.0157	0.0149	0.0048	0.0117	0.0006	0.0222
55 mph	(0.0077)	(0.0011)	(0.0043)	0.0101	0.0092	0.0029	0.0040	0.0002	0.0134
60 mph	(0.0011)	(0.0002)	(0.0006)	0.0122	0.0094	0.0030	0.1832	0.0096	0.2156
65 mph	(0.0015)	(0.0002)	(0.0009)	0.0025	0.0022	0.0007	-	-	0.0027
70 mph	(0.1059)	(0.0179)	(0.0604)	0.0658	0.0743	0.0216	-	-	(0.0225)
total	(0.0472)	(0.0098)	(0.0279)	0.2685	0.2283	0.0726	0.3403	0.0175	0.8423

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0005	0.0000	0.0002	0.0017	0.0319	0.0257	0.2431	0.7044	1.0073
15 mph	0.0002	0.0000	0.0001	0.0006	0.0083	0.0068	0.0638	0.1829	0.2626
20 mph	0.0003	0.0000	0.0001	0.0009	0.0141	0.0116	0.1091	0.3083	0.4444
25 mph	0.0011	0.0000	0.0004	0.0040	0.0628	0.0518	0.5237	1.4574	2.1012
30 mph	0.0010	0.0000	0.0004	0.0038	0.0628	0.0515	0.4180	1.1629	1.7004
35 mph	0.0008	0.0000	0.0003	0.0028	0.0515	0.0422	0.1680	0.4679	0.7335
40 mph	0.0002	0.0000	0.0001	0.0009	0.0167	0.0136	0.1711	0.4771	0.6796
45 mph	0.0002	0.0000	0.0001	0.0007	0.0136	0.0109	0.1297	0.3620	0.5170
50 mph	0.0002	0.0000	0.0001	0.0007	0.0143	0.0113	0.2077	0.5763	0.8105
55 mph	0.0002	0.0000	0.0001	0.0006	0.0119	0.0093	0.0493	0.1383	0.2097
60 mph	0.0003	0.0000	0.0001	0.0013	0.0240	0.0187	0.0526	0.1462	0.2434
65 mph	0.0000	0.0000	0.0000	0.0002	0.0031	0.0024	-	-	0.0057
70 mph	-	-	-	-	-	-	-	-	-
total	0.0050	0.0000	0.0018	0.0182	0.3149	0.2558	2.1359	5.9837	8.7152

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0003)	(0.0000)	(0.0001)	0.0004	0.0134	0.0108	-	-	0.0242
15 mph	(0.0003)	(0.0000)	(0.0001)	0.0003	0.0087	0.0072	-	-	0.0159
20 mph	(0.0002)	(0.0000)	(0.0001)	0.0003	0.0074	0.0061	0.2555	0.7221	0.9911
25 mph	(0.0004)	(0.0000)	(0.0001)	0.0005	0.0132	0.0109	0.3903	1.0863	1.5007
30 mph	(0.0006)	(0.0000)	(0.0002)	0.0008	0.0240	0.0197	0.5875	1.6345	2.2657
35 mph	(0.0012)	(0.0000)	(0.0005)	0.0017	0.0541	0.0443	0.5248	1.4614	2.0847
40 mph	(0.0013)	(0.0000)	(0.0005)	0.0018	0.0585	0.0475	0.4408	1.2293	1.7762
45 mph	(0.0010)	(0.0000)	(0.0004)	0.0014	0.0457	0.0366	0.3037	0.8479	1.2339
50 mph	(0.0011)	(0.0000)	(0.0004)	0.0016	0.0539	0.0427	0.1497	0.4154	0.6618
55 mph	(0.0007)	(0.0000)	(0.0002)	0.0009	0.0313	0.0245	0.0769	0.2160	0.3488
60 mph	(0.0004)	(0.0000)	(0.0002)	0.0006	0.0189	0.0148	5.7488	15.9864	21.7688
65 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0064	0.0049	-	-	0.0114
70 mph	(0.0079)	(0.0001)	(0.0029)	0.0113	0.3012	0.2320	-	-	0.5336
total	(0.0155)	(0.0001)	(0.0057)	0.0219	0.6368	0.5020	8.4780	23.5993	33.2167

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0002	0.0001	0.0005	0.0010	0.0018
15 mph	0.0021	0.0000	0.0008	0.0010	0.0174	0.0143	0.1254	0.3595	0.5204
25 mph	-	-	-	-	0.0250	0.0206	0.4095	1.1397	1.5948
35 mph	0.0048	0.0000	0.0018	0.0021	-	-	-	-	0.0088
total	0.0069	0.0001	0.0026	0.0031	0.0425	0.0350	0.5355	1.5002	2.1258

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0002	0.0001	0.0005	0.0010	0.0018
10 mph	0.0002	0.0000	0.0001	0.0021	0.0452	0.0364	0.2431	0.7044	1.0314
15 mph	0.0020	0.0000	0.0007	0.0019	0.0344	0.0282	0.1893	0.5424	0.7989
20 mph	0.0000	0.0000	0.0000	0.0012	0.0216	0.0177	0.3645	1.0304	1.4355
25 mph	0.0007	0.0000	0.0003	0.0045	0.1009	0.0833	1.3235	3.6834	5.1966
30 mph	0.0004	0.0000	0.0002	0.0046	0.0868	0.0711	1.0056	2.7975	3.9662
35 mph	0.0044	0.0000	0.0016	0.0067	0.1056	0.0866	0.6929	1.9293	2.8271
40 mph	(0.0010)	(0.0000)	(0.0004)	0.0027	0.0752	0.0611	0.6119	1.7064	2.4558
45 mph	(0.0008)	(0.0000)	(0.0003)	0.0021	0.0593	0.0474	0.4334	1.2098	1.7509
50 mph	(0.0009)	(0.0000)	(0.0003)	0.0023	0.0682	0.0540	0.3574	0.9917	1.4723
55 mph	(0.0005)	(0.0000)	(0.0002)	0.0015	0.0432	0.0339	0.1262	0.3543	0.5584
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0019	0.0430	0.0335	5.8013	16.1326	22.0122
65 mph	(0.0001)	(0.0000)	(0.0000)	0.0004	0.0095	0.0073	-	-	0.0170
70 mph	(0.0079)	(0.0001)	(0.0029)	0.0113	0.3012	0.2320	-	-	0.5336
total	(0.0036)	(0.0000)	(0.0013)	0.0432	0.9942	0.7928	11.1494	31.0831	44.0578

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0795	0.0795
15 mph								0.0222	0.0222
20 mph								0.0388	0.0388
25 mph								0.1962	0.1962
30 mph								0.1685	0.1685
35 mph								0.0723	0.0723
40 mph								0.0771	0.0771
45 mph								0.0595	0.0595
50 mph								0.0937	0.0937
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.8078	0.8078

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0908	0.0908
25 mph								0.1463	0.1463
30 mph								0.2368	0.2368
35 mph								0.2257	0.2257
40 mph								0.1986	0.1986
45 mph								0.1394	0.1394
50 mph								0.0676	0.0676
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.6996	0.6996

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0001	0.0001
15 mph								0.0437	0.0437
25 mph								0.1534	0.1534
35 mph								-	-
total	-	-	-	-	-	-	-	0.1973	0.1973

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0001	0.0001
10 mph								0.0795	0.0795
15 mph								0.0659	0.0659
20 mph								0.1296	0.1296
25 mph								0.4959	0.4959
30 mph								0.4052	0.4052
35 mph								0.2980	0.2980
40 mph								0.2757	0.2757
45 mph								0.1989	0.1989
50 mph								0.1613	0.1613
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.1102	2.1102

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0008	0.0003	0.0008	0.0011	0.0031
10 mph	0.0021	0.0003	0.0012	0.0127	0.0522	0.0388	0.2486	0.7841	1.1400
15 mph	0.0262	0.0035	0.0143	0.0118	0.0415	0.0307	0.1941	0.6085	0.9306
20 mph	0.0007	0.0001	0.0004	0.0082	0.0264	0.0194	0.3744	1.1605	1.5900
25 mph	0.0113	0.0015	0.0061	0.0315	0.1243	0.0912	1.3605	4.1811	5.8076
30 mph	0.0070	0.0009	0.0038	0.0347	0.1075	0.0781	1.0349	3.2041	4.4710
35 mph	0.0746	0.0098	0.0404	0.0515	0.1297	0.0945	0.7139	2.2284	3.3430
40 mph	(0.0181)	(0.0024)	(0.0098)	0.0211	0.0923	0.0667	0.6314	1.9831	2.7642
45 mph	(0.0139)	(0.0019)	(0.0076)	0.0166	0.0728	0.0518	0.4473	1.4095	1.9747
50 mph	(0.0159)	(0.0022)	(0.0087)	0.0179	0.0831	0.0588	0.3691	1.1536	1.6558
55 mph	(0.0081)	(0.0011)	(0.0045)	0.0116	0.0524	0.0368	0.1302	0.3545	0.5718
60 mph	(0.0012)	(0.0002)	(0.0007)	0.0141	0.0524	0.0365	5.9845	16.1422	22.2278
65 mph	(0.0016)	(0.0002)	(0.0009)	0.0029	0.0116	0.0080	-	-	0.0197
70 mph	(0.1138)	(0.0179)	(0.0633)	0.0771	0.3755	0.2536	-	-	0.5111
STREX	0.0338	0.0029	0.0159	0.0660	0.0284	0.0087	0.0103	0.0000	0.1662
total	(0.0170)	(0.0069)	(0.0132)	0.3777	1.2509	0.8741	11.5000	33.2108	**47.1765**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0247	0.0279	0.0311	0.0339	0.0403	0.0401	0.0290	0.0143
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0338	0.0029	0.0159	0.0660	0.0284	0.0087	0.0103	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0338	0.0029	0.0159	0.0660	0.0284	0.0087	0.0103	0.0000

World Logistics Center
Mobile Emissions - 2023 (Net) - Mitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					2.2858	2.3006	3.3426	3.4549
10 mph	0.0107	0.0250	0.0168	0.0218	0.0233	0.0188	0.0488	0.4421
15 mph	0.0072	0.0170	0.0113	0.0148	0.0159	0.0127	0.0324	0.2953
20 mph	0.0051	0.0122	0.0080	0.0105	0.0116	0.0091	0.0229	0.2097
25 mph	0.0037	0.0092	0.0060	0.0078	0.0087	0.0068	0.0167	0.1592
30 mph	0.0029	0.0073	0.0047	0.0061	0.0070	0.0053	0.0128	0.1268
35 mph	0.0024	0.0060	0.0038	0.0050	0.0058	0.0044	0.0104	0.1069
40 mph	0.0021	0.0053	0.0033	0.0044	0.0052	0.0039	0.0091	0.0939
45 mph	0.0019	0.0048	0.0030	0.0040	0.0049	0.0035	0.0082	0.0877
50 mph	0.0018	0.0047	0.0029	0.0039	0.0048	0.0035	0.0082	0.0851
55 mph	0.0019	0.0047	0.0030	0.0039	0.0049	0.0035	0.0082	0.0884
60 mph	0.0020	0.0049	0.0031	0.0042	0.0053	0.0038	0.0090	0.0934
65 mph	0.0022	0.0054	0.0034	0.0046	0.0061	0.0044		
70 mph	0.0023	0.0065	0.0036	0.0048	0.0063	0.0041		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0236	0.1099
10 mph	0.0060	0.0245	0.0091	0.0057	0.0250	0.0251	0.0018	0.0074
15 mph	0.0032	0.0170	0.0045	0.0029	0.0134	0.0133	0.0011	0.0040
20 mph	0.0015	0.0124	0.0019	0.0012	0.0066	0.0064	0.0007	0.0020
25 mph	0.0010	0.0098	0.0012	0.0008	0.0045	0.0044	0.0006	0.0017
30 mph	0.0008	0.0082	0.0009	0.0006	0.0036	0.0035	0.0004	0.0013
35 mph	0.0006	0.0072	0.0007	0.0005	0.0031	0.0029	0.0004	0.0011
40 mph	0.0005	0.0066	0.0006	0.0004	0.0027	0.0026	0.0003	0.0009
45 mph	0.0005	0.0063	0.0005	0.0004	0.0025	0.0023	0.0003	0.0008
50 mph	0.0005	0.0063	0.0005	0.0003	0.0024	0.0022	0.0003	0.0008
55 mph	0.0004	0.0066	0.0004	0.0003	0.0024	0.0022	0.0003	0.0008
60 mph	0.0005	0.0072	0.0004	0.0003	0.0024	0.0022	0.0003	0.0009
65 mph	0.0005	0.0083	0.0004	0.0003	0.0028	0.0026		
70 mph	0.0005	0.0100	0.0005	0.0003	0.0042	0.0035		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								2.0206
10 mph								12.9152
15 mph								8.6406
20 mph								5.9498
25 mph								4.3739
30 mph								3.2691
35 mph								2.4494
40 mph								1.8428
45 mph								1.3961
50 mph								1.0704
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0084	0.0015	0.0049	0.0146	0.0067	0.0017	0.0083	0.0005	0.0466
15 mph	0.0022	0.0004	0.0013	0.0039	0.0018	0.0005	0.0018	0.0001	0.0122
20 mph	0.0032	0.0006	0.0019	0.0056	0.0027	0.0007	0.0026	0.0002	0.0173
25 mph	0.0117	0.0022	0.0070	0.0209	0.0101	0.0024	0.0104	0.0007	0.0653
30 mph	0.0100	0.0019	0.0060	0.0179	0.0089	0.0021	0.0072	0.0005	0.0545
35 mph	0.0067	0.0013	0.0040	0.0120	0.0061	0.0014	0.0026	0.0002	0.0343
40 mph	0.0019	0.0004	0.0012	0.0035	0.0018	0.0004	0.0026	0.0002	0.0120
45 mph	0.0015	0.0003	0.0009	0.0027	0.0014	0.0003	0.0019	0.0001	0.0091
50 mph	0.0014	0.0003	0.0009	0.0026	0.0014	0.0003	0.0030	0.0002	0.0101
55 mph	0.0012	0.0002	0.0007	0.0021	0.0011	0.0003	0.0007	0.0001	0.0063
60 mph	0.0024	0.0005	0.0015	0.0045	0.0025	0.0005	0.0008	0.0001	0.0126
65 mph	0.0003	0.0001	0.0002	0.0006	0.0004	0.0001	-	-	0.0016
70 mph	-	-	-	-	-	-	-	-	-
total	0.0510	0.0095	0.0304	0.0909	0.0449	0.0106	0.0418	0.0028	0.2818

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0054)	(0.0010)	(0.0032)	0.0036	0.0028	0.0007	-	-	(0.0024)
15 mph	(0.0036)	(0.0006)	(0.0021)	0.0024	0.0019	0.0005	-	-	(0.0016)
20 mph	(0.0026)	(0.0005)	(0.0015)	0.0017	0.0014	0.0003	0.0061	0.0004	0.0054
25 mph	(0.0038)	(0.0007)	(0.0023)	0.0026	0.0021	0.0005	0.0077	0.0005	0.0067
30 mph	(0.0059)	(0.0011)	(0.0035)	0.0040	0.0034	0.0008	0.0102	0.0007	0.0085
35 mph	(0.0108)	(0.0021)	(0.0065)	0.0074	0.0064	0.0015	0.0082	0.0006	0.0047
40 mph	(0.0104)	(0.0020)	(0.0063)	0.0072	0.0063	0.0015	0.0066	0.0005	0.0034
45 mph	(0.0077)	(0.0015)	(0.0046)	0.0053	0.0047	0.0011	0.0044	0.0003	0.0020
50 mph	(0.0083)	(0.0016)	(0.0050)	0.0058	0.0052	0.0012	0.0022	0.0002	(0.0005)
55 mph	(0.0047)	(0.0009)	(0.0028)	0.0032	0.0030	0.0007	0.0011	0.0001	(0.0003)
60 mph	(0.0030)	(0.0006)	(0.0018)	0.0021	0.0019	0.0004	0.0836	0.0059	0.0886
65 mph	(0.0011)	(0.0002)	(0.0006)	0.0008	0.0007	0.0002	-	-	(0.0003)
70 mph	(0.0529)	(0.0114)	(0.0316)	0.0364	0.0353	0.0070	-	-	(0.0172)
total	(0.1201)	(0.0241)	(0.0718)	0.0824	0.0754	0.0163	0.1300	0.0090	0.0971

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1104	0.0344	0.0761	0.0008	0.2217
15 mph	0.0299	0.0053	0.0176	0.0068	0.0039	0.0010	0.0036	0.0002	0.0682
25 mph	-	-	-	-	0.0040	0.0010	0.0081	0.0005	0.0136
35 mph	0.0424	0.0081	0.0255	0.0091	-	-	-	-	0.0851
total	0.0722	0.0135	0.0430	0.0159	0.1183	0.0363	0.0878	0.0015	0.3886

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1104	0.0344	0.0761	0.0008	0.2217
10 mph	0.0030	0.0005	0.0017	0.0181	0.0096	0.0024	0.0083	0.0005	0.0441
15 mph	0.0285	0.0051	0.0168	0.0132	0.0076	0.0019	0.0054	0.0003	0.0788
20 mph	0.0006	0.0001	0.0004	0.0074	0.0041	0.0010	0.0087	0.0005	0.0227
25 mph	0.0079	0.0015	0.0047	0.0234	0.0163	0.0039	0.0262	0.0017	0.0856
30 mph	0.0041	0.0008	0.0025	0.0219	0.0122	0.0029	0.0174	0.0012	0.0630
35 mph	0.0383	0.0074	0.0230	0.0285	0.0125	0.0029	0.0109	0.0008	0.1242
40 mph	(0.0085)	(0.0016)	(0.0051)	0.0107	0.0081	0.0019	0.0092	0.0006	0.0153
45 mph	(0.0062)	(0.0012)	(0.0037)	0.0080	0.0061	0.0014	0.0062	0.0004	0.0111
50 mph	(0.0069)	(0.0013)	(0.0041)	0.0084	0.0066	0.0015	0.0052	0.0004	0.0096
55 mph	(0.0035)	(0.0007)	(0.0021)	0.0053	0.0041	0.0009	0.0018	0.0001	0.0060
60 mph	(0.0005)	(0.0001)	(0.0003)	0.0065	0.0044	0.0010	0.0844	0.0059	0.1013
65 mph	(0.0008)	(0.0001)	(0.0004)	0.0014	0.0011	0.0002	-	-	0.0014
70 mph	(0.0529)	(0.0114)	(0.0316)	0.0364	0.0353	0.0070	-	-	(0.0172)
total	0.0032	(0.0011)	0.0016	0.1892	0.2385	0.0632	0.2597	0.0133	0.7675

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0001	0.0052	0.0037	0.0015	0.0115	0.0220
15 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0008	0.0003	0.0021	0.0043
20 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0008	0.0004	0.0021	0.0044
25 mph	0.0000	0.0000	0.0000	0.0000	0.0037	0.0026	0.0017	0.0094	0.0175
30 mph	0.0000	0.0000	0.0000	0.0000	0.0033	0.0023	0.0012	0.0068	0.0137
35 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0016	0.0004	0.0025	0.0068
40 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0004	0.0023	0.0039
45 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	0.0003	0.0017	0.0028
50 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	0.0005	0.0025	0.0038
55 mph	0.0000	0.0000	0.0000	0.0000	0.0004	0.0003	0.0001	0.0006	0.0014
60 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0005	0.0001	0.0007	0.0022
65 mph	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	-	-	0.0002
70 mph	-	-	-	-	-	-	-	-	-
total	0.0002	0.0000	0.0001	0.0003	0.0197	0.0138	0.0069	0.0422	0.0830

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0022	0.0016	-	-	0.0037
15 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0012	0.0008	-	-	0.0020
20 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0006	0.0004	0.0009	0.0049	0.0068
25 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0008	0.0005	0.0012	0.0070	0.0096
30 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0013	0.0009	0.0017	0.0096	0.0134
35 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0024	0.0016	0.0014	0.0077	0.0131
40 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0024	0.0016	0.0011	0.0060	0.0110
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0017	0.0012	0.0007	0.0039	0.0074
50 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0019	0.0013	0.0003	0.0018	0.0053
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0010	0.0007	0.0002	0.0010	0.0029
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0006	0.0004	0.0147	0.0774	0.0932
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0167	0.0100	-	-	0.0267
total	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0329	0.0212	0.0222	0.1193	0.1955

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0051	0.0037	0.0026	0.0228	0.0342
15 mph	0.0001	0.0000	0.0000	0.0000	0.0023	0.0017	0.0006	0.0041	0.0088
25 mph	-	-	-	-	0.0015	0.0010	0.0013	0.0074	0.0112
35 mph	0.0001	0.0000	0.0000	0.0000	-	-	-	-	0.0002
total	0.0002	0.0000	0.0001	0.0000	0.0089	0.0064	0.0044	0.0343	0.0543

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0051	0.0037	0.0026	0.0228	0.0342
10 mph	0.0000	0.0000	0.0000	0.0001	0.0074	0.0053	0.0015	0.0115	0.0258
15 mph	0.0001	0.0000	0.0000	0.0001	0.0046	0.0033	0.0008	0.0061	0.0151
20 mph	0.0000	0.0000	0.0000	0.0000	0.0017	0.0012	0.0013	0.0070	0.0111
25 mph	0.0000	0.0000	0.0000	0.0001	0.0060	0.0042	0.0042	0.0239	0.0383
30 mph	0.0000	0.0000	0.0000	0.0000	0.0045	0.0031	0.0029	0.0164	0.0270
35 mph	0.0001	0.0000	0.0000	0.0001	0.0047	0.0032	0.0018	0.0102	0.0201
40 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0030	0.0021	0.0015	0.0083	0.0148
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0022	0.0015	0.0010	0.0055	0.0103
50 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0024	0.0016	0.0008	0.0043	0.0091
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0014	0.0009	0.0003	0.0017	0.0043
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0014	0.0010	0.0149	0.0781	0.0954
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0004	0.0002	-	-	0.0006
70 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0167	0.0100	-	-	0.0267
total	0.0001	(0.0000)	0.0000	0.0005	0.0615	0.0413	0.0336	0.1958	0.3328

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1.0503	1.0503
15 mph								0.2342	0.2342
20 mph								0.3226	0.3226
25 mph								1.3042	1.3042
30 mph								0.8862	0.8862
35 mph								0.2988	0.2988
40 mph								0.2498	0.2498
45 mph								0.1514	0.1514
50 mph								0.1886	0.1886
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	4.6859	4.6859

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.7556	0.7556
25 mph								0.9721	0.9721
30 mph								1.2455	1.2455
35 mph								0.9332	0.9332
40 mph								0.6436	0.6436
45 mph								0.3546	0.3546
50 mph								0.1359	0.1359
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.9064	3.9064

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0221	0.0221
15 mph								0.4604	0.4604
25 mph								1.0199	1.0199
35 mph								-	-
total	-	-	-	-	-	-	-	1.5024	1.5024

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0221	0.0221
10 mph								1.0503	1.0503
15 mph								0.6946	0.6946
20 mph								1.0782	1.0782
25 mph								3.2962	3.2962
30 mph								2.1316	2.1316
35 mph								1.2320	1.2320
40 mph								0.8933	0.8933
45 mph								0.5060	0.5060
50 mph								0.3245	0.3245
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	11.2288	11.2288

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1155	0.0381	0.0787	0.0457	0.2780
10 mph	0.0030	0.0005	0.0017	0.0182	0.0169	0.0077	0.0098	1.0623	1.1202
15 mph	0.0286	0.0051	0.0168	0.0132	0.0122	0.0052	0.0063	0.7011	0.7885
20 mph	0.0006	0.0001	0.0004	0.0074	0.0057	0.0022	0.0100	1.0857	1.1120
25 mph	0.0079	0.0015	0.0047	0.0235	0.0223	0.0081	0.0304	3.3217	3.4201
30 mph	0.0041	0.0008	0.0025	0.0220	0.0168	0.0060	0.0203	2.1492	2.2217
35 mph	0.0384	0.0074	0.0230	0.0286	0.0172	0.0061	0.0127	1.2430	1.3763
40 mph	(0.0085)	(0.0016)	(0.0051)	0.0107	0.0112	0.0039	0.0107	0.9023	0.9235
45 mph	(0.0062)	(0.0012)	(0.0037)	0.0080	0.0084	0.0029	0.0072	0.5120	0.5273
50 mph	(0.0069)	(0.0013)	(0.0041)	0.0084	0.0090	0.0031	0.0060	0.3292	0.3433
55 mph	(0.0035)	(0.0007)	(0.0021)	0.0053	0.0055	0.0019	0.0021	0.0018	0.0103
60 mph	(0.0005)	(0.0001)	(0.0003)	0.0065	0.0058	0.0019	0.0992	0.0840	0.1967
65 mph	(0.0008)	(0.0001)	(0.0004)	0.0014	0.0015	0.0005	-	-	0.0020
70 mph	(0.0530)	(0.0114)	(0.0317)	0.0365	0.0520	0.0171	-	-	0.0095
STREX	0.0668	0.0072	0.0335	0.1534	0.0167	0.0051	0.0136	0.0000	0.2963
total	0.0700	0.0061	0.0351	0.3431	0.3167	0.1097	0.3069	11.4379	**12.6254**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0488	0.0695	0.0655	0.0788	0.0236	0.0236	0.0382	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0668	0.0072	0.0335	0.1534	0.0167	0.0051	0.0136	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0668	0.0072	0.0335	0.1534	0.0167	0.0051	0.0136	0.0000

World Logistics Center
Mobile Emissions - 2023 (Net) - Mitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,540.60	5,296.82	13,519.28	23,640.89
10 mph	496.25	578.37	617.80	758.18	1,504.45	1,729.76	3,131.04	3,844.10
15 mph	405.80	472.73	504.90	619.12	1,228.99	1,412.42	2,560.60	3,150.64
20 mph	337.48	393.16	419.87	514.91	1,021.66	1,174.31	2,126.50	2,623.61
25 mph	288.61	336.37	359.17	440.86	873.39	1,003.87	1,819.15	2,244.85
30 mph	256.13	298.64	318.87	391.86	775.26	891.12	1,615.78	1,991.58
35 mph	237.50	277.08	295.80	364.12	719.02	826.54	1,498.46	1,844.31
40 mph	230.16	268.51	286.62	352.90	696.08	800.21	1,450.18	1,783.30
45 mph	231.36	269.74	287.94	354.38	698.61	803.12	1,455.88	1,785.31
50 mph	238.38	277.90	296.56	365.31	719.29	826.51	1,497.88	1,835.37
55 mph	247.67	288.72	308.18	379.89	748.89	860.47	1,557.29	1,908.68
60 mph	254.96	297.49	317.86	392.30	779.13	895.18	1,620.06	1,984.86
65 mph	261.26	305.45	326.38	403.57	803.00	922.16		
70 mph	263.91	310.59	329.17	412.82	815.46	932.77		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,733.87	6,001.43	6,105.04	5,822.95
10 mph	413.48	883.55	560.03	697.90	979.37	1,095.25	1,916.31	2,899.37
15 mph	340.18	734.62	464.52	591.19	637.37	726.74	1,509.38	2,258.26
20 mph	279.06	603.38	381.61	491.06	543.61	620.24	1,289.70	1,903.35
25 mph	233.93	504.17	320.00	416.03	482.44	553.05	1,126.03	1,636.08
30 mph	202.64	434.10	276.71	360.07	438.62	499.34	988.78	1,436.06
35 mph	183.21	389.44	249.68	327.59	439.59	500.37	883.27	1,283.98
40 mph	171.46	362.93	233.01	306.61	428.07	482.64	809.28	1,178.22
45 mph	165.63	350.24	224.68	294.99	417.75	464.15	766.67	1,117.40
50 mph	166.16	350.55	224.93	296.72	438.36	481.74	755.75	1,094.89
55 mph	173.82	366.28	235.13	313.18	457.80	498.32	776.83	1,138.64
60 mph	188.50	397.10	254.75	339.04	461.85	499.56	829.25	1,203.89
65 mph	211.94	442.73	286.08	381.78	469.38	502.52		
70 mph	230.52	462.43	305.76	417.08	478.91	512.18		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,949.72
10 mph								4,794.09
15 mph								4,022.90
20 mph								3,508.39
25 mph								3,228.17
30 mph								3,048.43
35 mph								2,906.19
40 mph								2,789.82
45 mph								2,692.43
50 mph								2,609.61
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	388.24	34.12	180.69	506.56	435.35	154.91	530.65	4.42	2,234.95
15 mph	126.99	11.16	59.07	165.46	142.26	50.60	144.66	1.21	701.39
20 mph	211.22	18.56	98.24	275.22	236.52	84.13	240.27	2.01	1,166.16
25 mph	903.16	79.38	420.18	1,178.21	1,010.95	359.60	1,130.48	9.47	5,091.44
30 mph	881.65	77.52	410.34	1,151.98	987.11	351.14	912.82	7.64	4,780.20
35 mph	668.89	58.85	311.44	875.80	749.04	266.47	380.94	3.18	3,314.62
40 mph	216.07	19.01	100.59	282.94	241.71	85.99	409.63	3.42	1,359.38
45 mph	181.00	15.91	84.21	236.77	202.16	71.92	328.99	2.74	1,123.72
50 mph	186.49	16.39	86.73	244.08	208.15	74.02	550.04	4.58	1,370.47
55 mph	155.01	13.63	72.11	203.05	173.37	61.65	131.97	1.10	811.87
60 mph	319.15	28.08	148.74	419.38	360.74	128.27	137.29	1.14	1,542.78
65 mph	40.88	3.60	19.09	53.93	46.47	16.52	-	-	180.49
70 mph	-	-	-	-	-	-	-	-	-
total	4,278.74	376.20	1,991.45	5,593.39	4,793.83	1,705.22	4,897.74	40.92	23,677.48

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(250.67)	(22.03)	(116.67)	124.58	182.98	65.11	-	-	(16.71)
15 mph	(204.98)	(18.01)	(95.34)	101.73	149.48	53.16	-	-	(13.97)
20 mph	(170.47)	(14.98)	(79.29)	84.60	124.26	44.20	562.83	4.72	555.87
25 mph	(291.57)	(25.63)	(135.65)	144.88	212.45	75.57	842.59	7.06	829.70
30 mph	(517.51)	(45.50)	(240.86)	257.55	377.16	134.17	1,282.96	10.74	1,258.70
35 mph	(1,079.72)	(94.99)	(502.72)	538.45	787.05	280.00	1,189.81	9.95	1,127.83
40 mph	(1,162.61)	(102.28)	(541.26)	579.86	846.60	301.20	1,055.52	8.81	985.83
45 mph	(934.95)	(82.20)	(435.00)	465.83	679.74	241.83	770.67	6.42	712.34
50 mph	(1,083.71)	(95.27)	(504.02)	540.22	787.35	279.99	396.45	3.30	324.31
55 mph	(625.52)	(54.99)	(290.98)	312.10	455.42	161.94	206.09	1.72	165.77
60 mph	(386.37)	(34.00)	(180.07)	193.38	284.28	101.08	15,007.60	124.87	15,110.78
65 mph	(131.97)	(11.63)	(61.63)	66.31	97.66	34.71	-	-	(6.56)
70 mph	(6,132.24)	(544.22)	(2,859.40)	3,120.20	4,562.25	1,615.02	-	-	(238.38)
total	(12,972.30)	(1,145.71)	(6,042.90)	6,529.68	9,546.67	3,387.96	21,314.52	177.58	20,795.51

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	219.30	79.17	307.98	5.32	611.77
15 mph	1,684.96	148.02	783.73	285.02	298.02	105.99	284.36	2.38	3,592.47
25 mph	-	-	-	-	402.23	143.07	884.03	7.41	1,436.74
35 mph	4,243.01	373.28	1,975.57	662.75	-	-	-	-	7,254.61
total	5,927.97	521.29	2,759.30	947.77	919.54	328.24	1,476.37	15.10	12,895.58

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	219.30	79.17	307.98	5.32	611.77
10 mph	137.56	12.09	64.02	631.14	618.33	220.02	530.65	4.42	2,218.24
15 mph	1,606.96	141.16	747.45	552.21	589.75	209.75	429.02	3.58	4,279.89
20 mph	40.75	3.58	18.95	359.83	360.77	128.33	803.10	6.73	1,722.03
25 mph	611.58	53.75	284.53	1,323.08	1,625.63	578.25	2,857.10	23.94	7,357.87
30 mph	364.14	32.02	169.48	1,409.53	1,364.27	485.30	2,195.78	18.38	6,038.90
35 mph	3,832.18	337.14	1,784.29	2,077.01	1,536.09	546.47	1,570.76	13.13	11,697.05
40 mph	(946.54)	(83.27)	(440.67)	862.80	1,088.31	387.19	1,465.15	12.24	2,345.22
45 mph	(753.95)	(66.28)	(350.79)	702.60	881.90	313.76	1,099.66	9.16	1,836.06
50 mph	(897.22)	(78.88)	(417.28)	784.30	995.49	354.00	946.49	7.88	1,694.78
55 mph	(470.51)	(41.36)	(218.88)	515.15	628.79	223.59	338.05	2.81	977.64
60 mph	(67.22)	(5.91)	(31.33)	612.76	645.02	229.35	15,144.89	126.01	16,653.56
65 mph	(91.09)	(8.03)	(42.54)	120.24	144.14	51.23	-	-	173.93
70 mph	(6,132.24)	(544.22)	(2,859.40)	3,120.20	4,562.25	1,615.02	-	-	(238.38)
total	(2,765.59)	(248.21)	(1,292.16)	13,070.84	15,260.04	5,421.42	27,688.63	233.61	57,368.57

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	3.05	0.02	1.12	10.63	202.67	163.26	1,546.26	4,481.23	6,408.24
15 mph	1.00	0.01	0.37	3.60	52.76	43.33	405.97	1,163.45	1,670.49
20 mph	1.65	0.01	0.61	5.98	89.99	73.96	693.77	1,961.20	2,827.17
25 mph	6.90	0.06	2.56	25.34	399.33	329.76	3,331.50	9,271.89	13,367.34
30 mph	6.58	0.05	2.43	24.12	399.37	327.50	2,659.46	7,398.51	10,818.03
35 mph	4.86	0.04	1.80	17.96	327.48	268.51	1,069.06	2,976.75	4,666.47
40 mph	1.52	0.01	0.56	5.60	106.30	86.33	1,088.33	3,035.08	4,323.73
45 mph	1.22	0.01	0.45	4.49	86.45	69.19	824.83	2,302.71	3,289.35
50 mph	1.23	0.01	0.45	4.52	90.71	71.81	1,321.26	3,666.54	5,156.53
55 mph	1.03	0.01	0.38	3.81	75.79	59.42	313.41	879.93	1,333.78
60 mph	2.22	0.02	0.82	8.26	152.92	119.15	334.56	930.36	1,548.30
65 mph	0.31	0.00	0.11	1.16	19.43	14.98	-	-	36.00
70 mph	-	-	-	-	-	-	-	-	-
total	31.56	0.26	11.66	115.47	2,003.21	1,627.21	13,588.40	38,067.64	55,445.41

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(1.97)	(0.02)	(0.72)	2.61	85.18	68.62	-	-	153.70
15 mph	(1.62)	(0.01)	(0.60)	2.21	55.44	45.53	-	-	100.95
20 mph	(1.33)	(0.01)	(0.49)	1.84	47.28	38.86	1,625.14	4,594.10	6,305.39
25 mph	(2.23)	(0.02)	(0.83)	3.12	83.92	69.30	2,483.10	6,910.72	9,547.08
30 mph	(3.86)	(0.03)	(1.43)	5.39	152.60	125.13	3,737.86	10,398.60	14,414.26
35 mph	(7.85)	(0.06)	(2.90)	11.04	344.10	282.14	3,339.04	9,297.39	13,262.89
40 mph	(8.16)	(0.07)	(3.01)	11.48	372.31	302.38	2,804.36	7,820.63	11,299.92
45 mph	(6.31)	(0.05)	(2.32)	8.84	290.67	232.63	1,932.16	5,394.10	7,849.72
50 mph	(7.12)	(0.06)	(2.61)	10.00	343.14	271.63	952.32	2,642.73	4,210.03
55 mph	(4.14)	(0.03)	(1.52)	5.86	199.08	156.10	489.44	1,374.16	2,218.95
60 mph	(2.69)	(0.02)	(0.99)	3.81	120.51	93.89	36,572.94	101,703.45	138,490.91
65 mph	(1.01)	(0.01)	(0.37)	1.43	40.82	31.48	-	-	72.35
70 mph	(50.49)	(0.39)	(18.16)	71.84	1,916.06	1,476.07	-	-	3,394.93
total	(98.78)	(0.78)	(35.95)	139.47	4,051.12	3,193.77	53,936.37	150,135.87	211,321.09

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	128.96	149.31	662.15	1,209.73	2,150.14
15 mph	13.31	0.11	4.93	6.20	110.52	90.78	798.02	2,287.01	3,310.89
25 mph	-	-	-	-	158.88	131.20	2,605.21	7,250.55	10,145.85
35 mph	30.85	0.25	11.40	13.59	-	-	-	-	56.09
total	44.17	0.36	16.33	19.79	398.37	371.28	4,065.38	10,747.29	15,662.97

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	128.96	149.31	662.15	1,209.73	2,150.14
10 mph	1.08	0.01	0.40	13.24	287.85	231.88	1,546.26	4,481.23	6,561.94
15 mph	12.70	0.10	4.70	12.02	218.72	179.64	1,203.99	3,450.46	5,082.33
20 mph	0.32	0.00	0.12	7.82	137.27	112.82	2,318.91	6,555.30	9,132.57
25 mph	4.67	0.04	1.73	28.45	642.14	530.26	8,419.81	23,433.16	33,060.26
30 mph	2.72	0.02	1.01	29.52	551.97	452.64	6,397.32	17,797.10	25,232.29
35 mph	27.87	0.23	10.30	42.58	671.59	550.65	4,408.10	12,274.14	17,985.45
40 mph	(6.65)	(0.05)	(2.45)	17.08	478.61	388.71	3,892.70	10,855.70	15,623.66
45 mph	(5.09)	(0.04)	(1.87)	13.33	377.12	301.82	2,756.99	7,696.81	11,139.07
50 mph	(5.90)	(0.05)	(2.16)	14.52	433.85	343.44	2,273.58	6,309.27	9,366.56
55 mph	(3.11)	(0.03)	(1.14)	9.68	274.87	215.52	802.85	2,254.09	3,552.73
60 mph	(0.47)	(0.00)	(0.17)	12.07	273.43	213.04	36,907.50	102,633.81	140,039.21
65 mph	(0.70)	(0.01)	(0.25)	2.59	60.25	46.46	-	-	108.35
70 mph	(50.49)	(0.39)	(18.16)	71.84	1,916.06	1,476.07	-	-	3,394.93
total	(23.05)	(0.16)	(7.96)	274.73	6,452.69	5,192.26	71,590.16	198,950.80	282,429.47

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								389.86	389.86
15 mph								109.05	109.05
20 mph								190.20	190.20
25 mph								962.56	962.56
30 mph								826.33	826.33
35 mph								354.50	354.50
40 mph								378.12	378.12
45 mph								291.93	291.93
50 mph								459.80	459.80
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3,962.35	3,962.35

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								445.55	445.55
25 mph								717.44	717.44
30 mph								1,161.41	1,161.41
35 mph								1,107.22	1,107.22
40 mph								974.31	
45 mph								683.85	
50 mph								331.41	
55 mph								-	
60 mph								-	
65 mph								-	
70 mph								-	
total	-	-	-	-	-	-	-	3,431.61	3,431.61

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								65.04	65.04
15 mph								214.36	214.36
25 mph								752.72	752.72
35 mph								-	-
total	-	-	-	-	-	-	-	1,032.11	1,032.11

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								65.04	65.04
10 mph								389.86	389.86
15 mph								323.41	323.41
20 mph								635.75	635.75
25 mph								2,432.71	2,432.71
30 mph								1,987.74	1,987.74
35 mph								1,461.72	1,461.72
40 mph								1,352.43	1,352.43
45 mph								975.79	975.79
50 mph								791.21	791.21
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	10,415.64	10,415.64

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	348.26	228.48	970.13	1,280.08	2,826.95
10 mph	138.64	12.10	64.42	644.38	906.18	451.89	2,076.91	4,875.51	9,170.04
15 mph	1,619.66	141.27	752.16	564.23	808.47	389.39	1,633.01	3,777.45	9,685.63
20 mph	41.06	3.58	19.07	367.65	498.05	241.15	3,122.01	7,197.78	11,490.35
25 mph	616.26	53.79	286.27	1,351.53	2,267.77	1,108.51	11,276.91	25,889.82	42,850.85
30 mph	366.86	32.04	170.49	1,439.04	1,916.24	937.94	8,593.10	19,803.23	33,258.93
35 mph	3,860.05	337.36	1,794.58	2,119.59	2,207.67	1,097.12	5,978.86	13,748.98	31,144.22
40 mph	(953.19)	(83.32)	(443.11)	879.88	1,566.93	775.90	5,357.85	12,220.36	19,321.30
45 mph	(759.04)	(66.32)	(352.66)	715.93	1,259.01	615.58	3,856.65	8,681.76	13,950.91
50 mph	(903.11)	(78.92)	(419.45)	798.82	1,429.34	697.45	3,220.07	7,108.35	11,852.55
55 mph	(473.63)	(41.39)	(220.02)	524.83	903.66	439.11	1,140.90	2,256.90	4,530.37
60 mph	(67.69)	(5.92)	(31.50)	624.83	918.45	442.39	52,052.39	102,759.82	156,692.77
65 mph	(91.79)	(8.04)	(42.80)	122.83	204.39	97.69	-	-	282.28
70 mph	(6,182.73)	(544.60)	(2,877.56)	3,192.04	6,478.31	3,091.08	-	-	3,156.55
STREX	72.83	6.45	34.62	162.50	13.20	4.63	13.57	0.12	307.92
total	(2,715.81)	(241.93)	(1,265.49)	13,508.07	21,725.92	10,618.31	99,292.36	209,600.17	**350,521.60**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	53.23	62.52	67.69	83.50	18.73	21.25	38.03	50.25
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	72.83	6.45	34.62	162.50	13.20	4.63	13.57	0.12
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	72.83	6.45	34.62	162.50	13.20	4.63	13.57	0.12

World Logistics Center
Mobile Emissions - 2024 (Net) - Mitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
21.98	679.27	249.00	4.30	5.95	68.78	45.30	120.03	5.69	16.88	17.65	40.22	4.36	61.85	16.57	458,640.65

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
4.01	123.97	45.44	0.78	1.09	12.55	8.27	21.91	1.04	3.08	3.22	7.34	0.80	11.29	3.02	83,701.92

World Logistics Center
Mobile Emissions - 2024 (Net) - Mitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	824.11	8.06	21.70	(21,003.56)	(205.43)	(553.09)
LDT1	62.24	0.03	0.73	(1,586.36)	(0.69)	(18.57)
LDT2	308.30	2.24	4.74	(7,857.46)	(57.11)	(120.76)
MDT	1,171.49	28.48	15.83	17,934.31	435.99	242.29
LHDT1	416.67	314.02	-	10,615.54	8,000.45	-
LHDT2	127.98	223.32	-	3,260.71	5,689.48	-
MHDT	208.82	1,034.05	-	9,398.91	46,541.57	-
HHDT	1.41	1,964.91	106.11	63.40	88,438.80	4,775.69

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	9,425.52	92.19	248.20	(30,429.08)	(297.62)	(801.30)
LDT1	711.89	0.31	8.33	(2,298.26)	(1.00)	(26.90)
LDT2	3,526.10	25.63	54.19	(11,383.56)	(82.74)	(174.95)
MDT	8,043.64	195.54	108.67	9,890.67	240.45	133.62
LHDT1	3,422.73	2,579.55	-	7,192.81	5,420.90	-
LHDT2	1,051.34	1,834.43	-	2,209.37	3,855.04	-
MHDT	1,653.28	8,186.73	-	7,745.63	38,354.83	-
HHDT	11.15	15,556.52	840.05	52.25	72,882.28	3,935.64

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	471.28	35.59	176.30	402.18	171.14	52.57	99.20	0.67	1,408.93
15 mph	188.51	14.24	70.52	160.87	68.45	21.03	33.07	0.22	556.91
20 mph	377.02	28.48	141.04	321.75	136.91	42.05	66.13	0.45	1,113.83
25 mph	1,885.10	142.38	705.22	1,608.73	684.55	210.27	363.72	2.45	5,602.42
30 mph	2,073.62	156.62	775.74	1,769.60	753.00	231.29	330.66	2.23	6,092.76
35 mph	1,696.59	128.14	634.70	1,447.86	616.09	189.24	148.80	1.00	4,862.42
40 mph	565.53	42.71	211.57	482.62	205.36	63.08	165.33	1.12	1,737.32
45 mph	471.28	35.59	176.30	402.18	171.14	52.57	132.26	0.89	1,442.22
50 mph	471.28	35.59	176.30	402.18	171.14	52.57	214.93	1.45	1,525.44
55 mph	377.02	28.48	141.04	321.75	136.91	42.05	49.60	0.33	1,097.18
60 mph	754.04	56.95	282.09	643.49	273.82	84.11	49.60	0.33	2,144.43
65 mph	94.26	7.12	35.26	80.44	34.23	10.51	-	-	261.81
70 mph	-	-	-	-	-	-	-	-	-
total	9,425.52	711.89	3,526.10	8,043.64	3,422.73	1,051.34	1,653.28	11.15	27,845.66

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(304.29)	(22.98)	(113.84)	98.91	71.93	22.09	-	-	(248.18)
15 mph	(304.29)	(22.98)	(113.84)	98.91	71.93	22.09	-	-	(248.18)
20 mph	(304.29)	(22.98)	(113.84)	98.91	71.93	22.09	154.91	1.04	(92.22)
25 mph	(608.58)	(45.97)	(227.67)	197.81	143.86	44.19	271.10	1.83	(223.44)
30 mph	(1,217.16)	(91.93)	(455.34)	395.63	287.71	88.37	464.74	3.13	(524.85)
35 mph	(2,738.62)	(206.84)	(1,024.52)	890.16	647.35	198.84	464.74	3.13	(1,765.75)
40 mph	(3,042.91)	(229.83)	(1,138.36)	989.07	719.28	220.94	426.01	2.87	(2,052.92)
45 mph	(2,434.33)	(183.86)	(910.68)	791.25	575.42	176.75	309.83	2.09	(1,673.53)
50 mph	(2,738.62)	(206.84)	(1,024.52)	890.16	647.35	198.84	154.91	1.04	(2,077.67)
55 mph	(1,521.45)	(114.91)	(569.18)	494.53	359.64	110.47	77.46	0.52	(1,162.92)
60 mph	(912.87)	(68.95)	(341.51)	296.72	215.78	66.28	5,421.94	36.57	4,713.97
65 mph	(304.29)	(22.98)	(113.84)	98.91	71.93	22.09	-	-	(248.18)
70 mph	(13,997.38)	(1,057.20)	(5,236.44)	4,549.71	3,308.69	1,016.31	-	-	(11,416.30)
total	(30,429.08)	(2,298.26)	(11,383.56)	9,890.67	7,192.81	2,209.37	7,745.63	52.25	(17,020.17)

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	28.56	8.77	13.33	0.13	50.80
15 mph	2,501.27	188.92	935.73	277.11	143.41	44.05	65.00	0.44	4,155.92
25 mph	-	-	-	-	272.36	83.66	284.43	1.92	642.36
35 mph	10,762.05	812.84	4,026.10	1,095.65	-	-	-	-	16,696.63
total	13,263.32	1,001.76	4,961.82	1,372.76	415.76	127.71	349.43	2.36	21,494.92

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	28.56	8.77	13.33	0.13	50.80
10 mph	166.99	12.61	62.47	501.09	243.06	74.66	99.20	0.67	1,160.75
15 mph	2,385.49	180.17	892.42	536.89	283.79	87.17	98.06	0.66	4,464.66
20 mph	72.73	5.49	27.21	420.65	208.84	64.15	221.04	1.49	1,021.60
25 mph	1,276.52	96.41	477.55	1,806.54	1,100.76	338.11	919.25	6.20	6,021.35
30 mph	856.45	64.69	320.40	2,165.23	1,040.71	319.67	795.39	5.37	5,567.91
35 mph	9,720.03	734.14	3,636.27	3,433.66	1,263.44	388.08	613.53	4.14	19,793.30
40 mph	(2,477.38)	(187.11)	(926.79)	1,471.69	924.64	284.02	591.34	3.99	(315.60)
45 mph	(1,963.05)	(148.27)	(734.38)	1,193.44	746.56	229.32	442.09	2.98	(231.31)
50 mph	(2,267.34)	(171.25)	(848.22)	1,292.34	818.49	251.41	369.84	2.49	(552.23)
55 mph	(1,144.43)	(86.44)	(428.13)	816.28	496.55	152.52	127.05	0.86	(65.74)
60 mph	(158.83)	(12.00)	(59.42)	940.21	489.60	150.39	5,471.54	36.91	6,858.40
65 mph	(210.04)	(15.86)	(78.57)	179.34	106.16	32.61	-	-	13.63
70 mph	(13,997.38)	(1,057.20)	(5,236.44)	4,549.71	3,308.69	1,016.31	-	-	(11,416.30)
total	(7,740.24)	(584.61)	(2,895.63)	19,307.07	11,031.30	3,388.42	9,748.34	65.76	32,320.41

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	4.61	0.02	1.28	9.78	128.98	91.72	491.20	933.39	1,660.98
15 mph	1.84	0.01	0.51	3.91	51.59	36.69	163.73	311.13	569.42
20 mph	3.69	0.01	1.03	7.82	103.18	73.38	327.47	622.26	1,138.84
25 mph	18.44	0.06	5.13	39.11	515.91	366.89	1,801.08	3,422.44	6,169.05
30 mph	20.28	0.07	5.64	43.02	567.50	403.58	1,637.35	3,111.30	5,788.74
35 mph	16.59	0.06	4.61	35.20	464.32	330.20	736.81	1,400.09	2,987.87
40 mph	5.53	0.02	1.54	11.73	154.77	110.07	818.67	1,555.65	2,657.99
45 mph	4.61	0.02	1.28	9.78	128.98	91.72	654.94	1,244.52	2,135.84
50 mph	4.61	0.02	1.28	9.78	128.98	91.72	1,064.28	2,022.35	3,323.01
55 mph	3.69	0.01	1.03	7.82	103.18	73.38	245.60	466.70	901.40
60 mph	7.38	0.02	2.05	15.64	206.36	146.75	245.60	466.70	1,090.51
65 mph	0.92	0.00	0.26	1.96	25.80	18.34	-	-	47.28
70 mph	-	-	-	-	-	-	-	-	-
total	92.19	0.31	25.63	195.54	2,579.55	1,834.43	8,186.73	15,556.52	28,470.92

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(2.98)	(0.01)	(0.83)	2.40	54.21	38.55	-	-	91.35
15 mph	(2.98)	(0.01)	(0.83)	2.40	54.21	38.55	-	-	91.35
20 mph	(2.98)	(0.01)	(0.83)	2.40	54.21	38.55	767.10	1,457.65	2,316.09
25 mph	(5.95)	(0.02)	(1.65)	4.81	108.42	77.10	1,342.42	2,550.88	4,076.00
30 mph	(11.90)	(0.04)	(3.31)	9.62	216.84	154.20	2,301.29	4,372.94	7,039.63
35 mph	(26.79)	(0.09)	(7.45)	21.64	487.88	346.95	2,301.29	4,372.94	7,496.38
40 mph	(29.76)	(0.10)	(8.27)	24.04	542.09	385.50	2,109.52	4,008.53	7,031.54
45 mph	(23.81)	(0.08)	(6.62)	19.24	433.67	308.40	1,534.19	2,915.29	5,180.29
50 mph	(26.79)	(0.09)	(7.45)	21.64	487.88	346.95	767.10	1,457.65	3,046.89
55 mph	(14.88)	(0.05)	(4.14)	12.02	271.04	192.75	383.55	728.82	1,569.12
60 mph	(8.93)	(0.03)	(2.48)	7.21	162.63	115.65	26,848.38	51,017.60	78,140.03
65 mph	(2.98)	(0.01)	(0.83)	2.40	54.21	38.55	-	-	91.35
70 mph	(136.91)	(0.46)	(38.06)	110.61	2,493.61	1,773.32	-	-	4,202.11
total	(297.62)	(1.00)	(82.74)	240.45	5,420.90	3,855.04	38,354.83	72,882.28	120,372.14

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	21.53	15.31	66.03	125.46	228.32
15 mph	24.46	0.08	6.80	6.74	108.08	76.86	321.86	611.60	1,156.48
25 mph	-	-	-	-	205.26	145.97	1,408.43	2,676.32	4,435.99
35 mph	105.26	0.35	29.26	26.64	-	-	-	-	161.51
total	129.73	0.43	36.06	33.37	313.34	222.83	1,730.29	3,287.92	5,753.98

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	21.53	15.31	66.03	125.46	228.32
10 mph	1.63	0.01	0.45	12.18	183.19	130.27	491.20	933.39	1,752.33
15 mph	23.33	0.08	6.49	13.05	213.88	152.10	485.59	922.73	1,817.25
20 mph	0.71	0.00	0.20	10.23	157.39	111.93	1,094.57	2,079.91	3,454.93
25 mph	12.49	0.04	3.47	43.92	829.59	589.96	4,551.93	8,649.64	14,681.04
30 mph	8.38	0.03	2.33	52.64	784.34	557.78	3,938.64	7,484.24	12,828.36
35 mph	95.07	0.32	26.43	83.47	952.20	677.15	3,038.10	5,773.02	10,645.76
40 mph	(24.23)	(0.08)	(6.74)	35.78	696.86	495.57	2,928.19	5,564.18	9,689.53
45 mph	(19.20)	(0.06)	(5.34)	29.01	562.65	400.12	2,189.13	4,159.81	7,316.13
50 mph	(22.18)	(0.07)	(6.16)	31.42	616.86	438.68	1,831.37	3,479.99	6,369.90
55 mph	(11.19)	(0.04)	(3.11)	19.84	374.23	266.13	629.15	1,195.52	2,470.53
60 mph	(1.55)	(0.01)	(0.43)	22.86	368.99	262.41	27,093.98	51,484.29	79,230.54
65 mph	(2.05)	(0.01)	(0.57)	4.36	80.00	56.89	-	-	138.63
70 mph	(136.91)	(0.46)	(38.06)	110.61	2,493.61	1,773.32	-	-	4,202.11
total	(75.71)	(0.25)	(21.05)	469.36	8,313.79	5,912.31	48,271.86	91,726.72	154,597.03

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	12.41	0.42	2.71	5.43	-	-	-	50.40	71.37
15 mph	4.96	0.17	1.08	2.17	-	-	-	16.80	25.19
20 mph	9.93	0.33	2.17	4.35	-	-	-	33.60	50.38
25 mph	49.64	1.67	10.84	21.73	-	-	-	184.81	268.69
30 mph	54.61	1.83	11.92	23.91	-	-	-	168.01	260.28
35 mph	44.68	1.50	9.75	19.56	-	-	-	75.60	151.10
40 mph	14.89	0.50	3.25	6.52	-	-	-	84.01	109.17
45 mph	12.41	0.42	2.71	5.43	-	-	-	67.20	88.17
50 mph	12.41	0.42	2.71	5.43	-	-	-	109.21	130.18
55 mph	9.93	0.33	2.17	4.35	-	-	-	25.20	41.98
60 mph	19.86	0.67	4.34	8.69	-	-	-	25.20	58.75
65 mph	2.48	0.08	0.54	1.09	-	-	-	-	4.19
70 mph	-	-	-	-	-	-	-	-	-
total	248.20	8.33	54.19	108.67	-	-	-	840.05	1,259.45

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(8.01)	(0.27)	(1.75)	1.34	-	-	-	-	(8.70)
15 mph	(8.01)	(0.27)	(1.75)	1.34	-	-	-	-	(8.70)
20 mph	(8.01)	(0.27)	(1.75)	1.34	-	-	-	78.71	70.02
25 mph	(16.03)	(0.54)	(3.50)	2.67	-	-	-	137.75	120.36
30 mph	(32.05)	(1.08)	(7.00)	5.34	-	-	-	236.14	201.36
35 mph	(72.12)	(2.42)	(15.75)	12.03	-	-	-	236.14	157.88
40 mph	(80.13)	(2.69)	(17.50)	13.36	-	-	-	216.46	129.51
45 mph	(64.10)	(2.15)	(14.00)	10.69	-	-	-	157.43	87.86
50 mph	(72.12)	(2.42)	(15.75)	12.03	-	-	-	78.71	0.45
55 mph	(40.06)	(1.35)	(8.75)	6.68	-	-	-	39.36	(4.12)
60 mph	(24.04)	(0.81)	(5.25)	4.01	-	-	-	2,754.95	2,728.86
65 mph	(8.01)	(0.27)	(1.75)	1.34	-	-	-	-	(8.70)
70 mph	(368.60)	(12.38)	(80.48)	61.47	-	-	-	-	(399.98)
total	(801.30)	(26.90)	(174.95)	133.62	-	-	-	3,935.64	3,066.11

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	6.77	6.77
15 mph	65.87	2.21	14.38	3.74	-	-	-	33.03	119.23
25 mph	-	-	-	-	-	-	-	144.52	144.52
35 mph	283.40	9.52	61.88	14.80	-	-	-	-	369.60
total	349.27	11.73	76.26	18.55	-	-	-	177.55	633.35

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	6.77	6.77
10 mph	4.40	0.15	0.96	6.77	-	-	-	50.40	62.68
15 mph	62.82	2.11	13.72	7.25	-	-	-	49.83	135.72
20 mph	1.92	0.06	0.42	5.68	-	-	-	112.31	120.40
25 mph	33.62	1.13	7.34	24.41	-	-	-	467.08	533.57
30 mph	22.55	0.76	4.92	29.25	-	-	-	404.15	461.64
35 mph	255.96	8.59	55.89	46.39	-	-	-	311.74	678.57
40 mph	(65.24)	(2.19)	(14.24)	19.88	-	-	-	300.47	238.68
45 mph	(51.69)	(1.74)	(11.29)	16.12	-	-	-	224.63	176.04
50 mph	(59.71)	(2.00)	(13.04)	17.46	-	-	-	187.92	130.63
55 mph	(30.14)	(1.01)	(6.58)	11.03	-	-	-	64.56	37.86
60 mph	(4.18)	(0.14)	(0.91)	12.70	-	-	-	2,780.15	2,787.61
65 mph	(5.53)	(0.19)	(1.21)	2.42	-	-	-	-	(4.50)
70 mph	(368.60)	(12.38)	(80.48)	61.47	-	-	-	-	(399.98)
total	381.26	12.80	83.24	119.75	-	-	-	1,395.52	4,958.91

World Logistics Center
Mobile Emissions - 2024 (Net) - Mitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	12217	330	0.21	2565.6	2476.2	24.2	65.2
	LDT1	15	901	330	0.21	189.3	187.0	0.1	2.2
	LDT2	15	4511	330	0.21	947.3	926.3	6.7	14.2
	MDT	15	1359	330	0.21	285.4	275.0	6.7	3.7
	LHDT1	15	1194	330	0.21	250.8	143.0	107.8	0.0
	LHDT2	15	574	330	0.21	120.6	43.9	76.6	0.0
	MHDT	15	1828	330	0.21	383.9	64.5	319.4	0.0
	HHDT	15	3048	330	0.21	640.1	0.4	606.9	32.8
Travel at Light Logistics	LDA	15	88	175	0.11	9.7	9.3	0.1	0.2
	LDT1	15	6	175	0.11	0.7	0.7	0.0	0.0
	LDT2	15	32	175	0.11	3.6	3.5	0.0	0.1
	MDT	15	8	175	0.11	0.9	0.9	0.0	0.0
	LHDT1	15	5	175	0.11	0.5	0.3	0.2	0.0
	LHDT2	15	2	175	0.11	0.3	0.1	0.2	0.0
	MHDT	15	6	175	0.11	0.7	0.1	0.5	0.0
	HHDT	15	10	175	0.11	1.1	0.0	1.0	0.1
Travel at Utility	LDA	15	99	100	0.06	6.0	5.8	0.1	0.2
	LDT1	15	7	100	0.06	0.4	0.4	0.0	0.0
	LDT2	15	37	100	0.06	2.2	2.2	0.0	0.0
	MDT	15	21	100	0.06	1.3	1.2	0.0	0.0
	LHDT1	15	3	100	0.06	0.2	0.1	0.1	0.0
	LHDT2	15	2	100	0.06	0.1	0.0	0.1	0.0
	MHDT	15	6	100	0.06	0.4	0.1	0.3	0.0
	HHDT	15	10	100	0.06	0.6	0.0	0.6	0.0
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	64	50	0.03	1.9	0.3	1.6	0.0
	HHDT	15	107	50	0.03	3.2	0.0	3.1	0.2
Travel at Convenience Store	LDA	15	303	50	0.03	9.1	8.8	0.1	0.2
	LDT1	15	22	50	0.03	0.7	0.7	0.0	0.0
	LDT2	15	112	50	0.03	3.4	3.3	0.0	0.1
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	43	50	0.03	1.3	1.2	0.0	0.0
	LDT1	15	3	50	0.03	0.1	0.1	0.0	0.0
	LDT2	15	16	50	0.03	0.5	0.5	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2501.3	188.9	935.7	277.1	143.4	44.0	65.0	0.4
Diesel	24.5	0.1	6.8	6.7	108.1	76.9	321.9	611.6
Electric/Natural Gas (HHDT Only)	65.9	2.2	14.4	3.7	0.0	0.0	0.0	33.0

World Logistics Center
Mobile Emissions - 2024 (Net) - Mitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	597	340	257	0	1702.3	1283.0	0.0
	LHDT2	5	287	105	182	0	522.9	912.4	0.0
	MHDT	5	914	154	760	0	767.9	3802.4	0.0
	HHDT	5	1524	1	1445	78	5.2	7225.3	390.2
Travel at Light Logistics	LHDT1	5	2	1	1	0	6.8	5.1	0.0
	LHDT2	5	1	0	1	0	2.1	3.7	0.0
	MHDT	5	3	0	2	0	2.5	12.3	0.0
	HHDT	5	5	0	5	0	0.0	23.4	1.3
Travel at Utility	LHDT1	5	2	1	1	0	4.6	3.5	0.0
	LHDT2	5	1	0	0	0	1.4	2.5	0.0
	MHDT	5	3	1	3	0	2.6	12.8	0.0
	HHDT	5	5	0	5	0	0.0	24.3	1.3
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	32	5	27	0	27.1	134.1	0.0
	HHDT	5	54	0	51	3	0.2	254.7	13.8
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	28.6	8.8	13.3	0.1
Diesel	21.5	15.3	66.0	125.5
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	6.8

World Logistics Center
Mobile Emissions - 2024 (Net) - Mitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					16.9875	17.1180	26.9745	15.0492
10 mph	0.0344	0.0919	0.0590	0.0784	0.0931	0.0686	0.1849	1.9386
15 mph	0.0232	0.0627	0.0399	0.0534	0.0639	0.0466	0.1233	1.2947
20 mph	0.0163	0.0452	0.0284	0.0382	0.0469	0.0335	0.0876	0.9232
25 mph	0.0120	0.0340	0.0211	0.0283	0.0356	0.0249	0.0639	0.6987
30 mph	0.0093	0.0268	0.0164	0.0221	0.0284	0.0195	0.0490	0.5562
35 mph	0.0076	0.0223	0.0134	0.0181	0.0240	0.0162	0.0398	0.4686
40 mph	0.0066	0.0195	0.0117	0.0158	0.0215	0.0143	0.0350	0.4124
45 mph	0.0061	0.0178	0.0107	0.0146	0.0201	0.0132	0.0317	0.3847
50 mph	0.0059	0.0173	0.0103	0.0141	0.0198	0.0128	0.0312	0.3727
55 mph	0.0059	0.0174	0.0104	0.0143	0.0205	0.0131	0.0316	0.3866
60 mph	0.0063	0.0180	0.0109	0.0151	0.0221	0.0141	0.0346	0.4097
65 mph	0.0069	0.0197	0.0119	0.0165	0.0254	0.0162		
70 mph	0.0071	0.0235	0.0125	0.0172	0.0260	0.0148		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5068	2.3674
10 mph	0.1191	0.5028	0.1945	0.1169	0.5402	0.5420	0.0360	0.1218
15 mph	0.0621	0.3457	0.0963	0.0582	0.2838	0.2832	0.0204	0.0660
20 mph	0.0284	0.2497	0.0389	0.0242	0.1348	0.1325	0.0139	0.0360
25 mph	0.0186	0.1969	0.0239	0.0152	0.0908	0.0885	0.0109	0.0296
30 mph	0.0144	0.1644	0.0182	0.0117	0.0724	0.0701	0.0087	0.0237
35 mph	0.0117	0.1443	0.0146	0.0095	0.0613	0.0587	0.0071	0.0193
40 mph	0.0100	0.1317	0.0122	0.0080	0.0539	0.0513	0.0060	0.0164
45 mph	0.0089	0.1253	0.0105	0.0070	0.0490	0.0463	0.0055	0.0148
50 mph	0.0083	0.1252	0.0093	0.0063	0.0468	0.0439	0.0054	0.0143
55 mph	0.0079	0.1312	0.0084	0.0058	0.0456	0.0426	0.0059	0.0159
60 mph	0.0081	0.1428	0.0082	0.0057	0.0468	0.0436	0.0069	0.0208
65 mph	0.0085	0.1650	0.0084	0.0060	0.0541	0.0497		
70 mph	0.0084	0.1965	0.0095	0.0066	0.0830	0.0698		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0889
10 mph								0.7702
15 mph								0.4761
20 mph								0.3005
25 mph								0.2223
30 mph								0.1705
35 mph								0.1315
40 mph								0.1025
45 mph								0.0811
50 mph								0.0658
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0357	0.0072	0.0229	0.0695	0.0351	0.0080	0.0404	0.0029	0.2218
15 mph	0.0096	0.0020	0.0062	0.0189	0.0096	0.0022	0.0090	0.0006	0.0582
20 mph	0.0136	0.0028	0.0088	0.0271	0.0142	0.0031	0.0128	0.0009	0.0833
25 mph	0.0500	0.0107	0.0327	0.1005	0.0538	0.0116	0.0513	0.0038	0.3143
30 mph	0.0427	0.0093	0.0281	0.0863	0.0472	0.0100	0.0358	0.0027	0.2620
35 mph	0.0284	0.0063	0.0188	0.0578	0.0326	0.0067	0.0131	0.0010	0.1648
40 mph	0.0082	0.0018	0.0055	0.0168	0.0097	0.0020	0.0128	0.0010	0.0578
45 mph	0.0063	0.0014	0.0042	0.0129	0.0076	0.0015	0.0092	0.0008	0.0439
50 mph	0.0061	0.0014	0.0040	0.0125	0.0075	0.0015	0.0148	0.0012	0.0489
55 mph	0.0049	0.0011	0.0032	0.0101	0.0062	0.0012	0.0035	0.0003	0.0305
60 mph	0.0104	0.0023	0.0068	0.0215	0.0133	0.0026	0.0038	0.0003	0.0610
65 mph	0.0014	0.0003	0.0009	0.0029	0.0019	0.0004	-	-	0.0079
70 mph	-	-	-	-	-	-	-	-	-
total	0.2174	0.0465	0.1422	0.4369	0.2388	0.0507	0.2063	0.0155	1.3544

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0231)	(0.0047)	(0.0148)	0.0171	0.0148	0.0033	-	-	(0.0073)
15 mph	(0.0155)	(0.0032)	(0.0100)	0.0116	0.0101	0.0023	-	-	(0.0047)
20 mph	(0.0110)	(0.0023)	(0.0071)	0.0083	0.0074	0.0016	0.0299	0.0021	0.0291
25 mph	(0.0162)	(0.0034)	(0.0106)	0.0124	0.0113	0.0024	0.0382	0.0028	0.0370
30 mph	(0.0250)	(0.0054)	(0.0165)	0.0193	0.0180	0.0038	0.0503	0.0038	0.0483
35 mph	(0.0459)	(0.0102)	(0.0303)	0.0355	0.0343	0.0071	0.0408	0.0032	0.0345
40 mph	(0.0443)	(0.0099)	(0.0293)	0.0345	0.0341	0.0069	0.0329	0.0026	0.0275
45 mph	(0.0326)	(0.0072)	(0.0215)	0.0254	0.0255	0.0051	0.0216	0.0018	0.0181
50 mph	(0.0354)	(0.0079)	(0.0234)	0.0277	0.0283	0.0056	0.0107	0.0009	0.0065
55 mph	(0.0199)	(0.0044)	(0.0131)	0.0155	0.0162	0.0032	0.0054	0.0004	0.0035
60 mph	(0.0126)	(0.0027)	(0.0082)	0.0099	0.0105	0.0021	0.4139	0.0330	0.4458
65 mph	(0.0046)	(0.0010)	(0.0030)	0.0036	0.0040	0.0008	-	-	(0.0002)
70 mph	(0.2202)	(0.0547)	(0.1446)	0.1727	0.1897	0.0331	-	-	(0.0239)
total	(0.5061)	(0.1170)	(0.3324)	0.3936	0.4044	0.0774	0.6437	0.0508	0.6141

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.0699	0.3312	0.7931	0.0043	2.1985
15 mph	0.1277	0.0261	0.0823	0.0326	0.0202	0.0045	0.0177	0.0013	0.3124
25 mph	-	-	-	-	0.0214	0.0046	0.0401	0.0030	0.0690
35 mph	0.1804	0.0399	0.1192	0.0437	-	-	-	-	0.3833
total	0.3080	0.0661	0.2015	0.0764	1.1115	0.3403	0.8508	0.0086	2.9631

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.0699	0.3312	0.7931	0.0043	2.1985
10 mph	0.0127	0.0026	0.0081	0.0866	0.0499	0.0113	0.0404	0.0029	0.2145
15 mph	0.1218	0.0249	0.0785	0.0632	0.0400	0.0090	0.0267	0.0019	0.3659
20 mph	0.0026	0.0005	0.0017	0.0354	0.0216	0.0047	0.0427	0.0030	0.1124
25 mph	0.0339	0.0072	0.0222	0.1129	0.0865	0.0186	0.1296	0.0096	0.4203
30 mph	0.0176	0.0038	0.0116	0.1056	0.0653	0.0138	0.0860	0.0066	0.3103
35 mph	0.1629	0.0361	0.1077	0.1371	0.0669	0.0138	0.0539	0.0043	0.5826
40 mph	(0.0361)	(0.0080)	(0.0239)	0.0513	0.0438	0.0089	0.0456	0.0036	0.0853
45 mph	(0.0263)	(0.0058)	(0.0174)	0.0383	0.0331	0.0067	0.0309	0.0025	0.0620
50 mph	(0.0293)	(0.0065)	(0.0193)	0.0402	0.0358	0.0071	0.0255	0.0021	0.0555
55 mph	(0.0149)	(0.0033)	(0.0098)	0.0257	0.0224	0.0044	0.0088	0.0007	0.0339
60 mph	(0.0022)	(0.0005)	(0.0014)	0.0314	0.0238	0.0047	0.4176	0.0333	0.5068
65 mph	(0.0032)	(0.0007)	(0.0021)	0.0065	0.0059	0.0012	-	-	0.0077
70 mph	(0.2202)	(0.0547)	(0.1446)	0.1727	0.1897	0.0331	-	-	(0.0239)
total	0.0193	(0.0044)	0.0112	0.9069	1.7546	0.4683	1.7008	0.0748	4.9316

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0012	0.0000	0.0005	0.0025	0.1536	0.1096	0.0390	0.2507	0.5573
15 mph	0.0003	0.0000	0.0001	0.0005	0.0323	0.0229	0.0074	0.0453	0.1087
20 mph	0.0002	0.0000	0.0001	0.0004	0.0307	0.0214	0.0101	0.0493	0.1122
25 mph	0.0008	0.0000	0.0003	0.0013	0.1033	0.0716	0.0431	0.2237	0.4441
30 mph	0.0006	0.0000	0.0002	0.0011	0.0906	0.0623	0.0314	0.1624	0.3488
35 mph	0.0004	0.0000	0.0001	0.0007	0.0627	0.0428	0.0115	0.0596	0.1779
40 mph	0.0001	0.0000	0.0000	0.0002	0.0184	0.0124	0.0109	0.0562	0.0983
45 mph	0.0001	0.0000	0.0000	0.0002	0.0139	0.0094	0.0079	0.0406	0.0721
50 mph	0.0001	0.0000	0.0000	0.0001	0.0133	0.0089	0.0128	0.0637	0.0989
55 mph	0.0001	0.0000	0.0000	0.0001	0.0104	0.0069	0.0032	0.0163	0.0370
60 mph	0.0001	0.0000	0.0000	0.0002	0.0213	0.0141	0.0037	0.0214	0.0609
65 mph	0.0000	0.0000	0.0000	0.0000	0.0031	0.0020	-	-	0.0051
70 mph	-	-	-	-	-	-	-	-	-
total	0.0040	0.0001	0.0015	0.0074	0.5535	0.3843	0.1810	0.9892	2.1212

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0008)	(0.0000)	(0.0004)	0.0006	0.0646	0.0461	-	-	0.1101
15 mph	(0.0004)	(0.0000)	(0.0002)	0.0003	0.0339	0.0241	-	-	0.0577
20 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0161	0.0113	0.0236	0.1156	0.1664
25 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0217	0.0150	0.0322	0.1667	0.2354
30 mph	(0.0004)	(0.0000)	(0.0001)	0.0002	0.0346	0.0238	0.0442	0.2282	0.3306
35 mph	(0.0007)	(0.0000)	(0.0002)	0.0005	0.0659	0.0449	0.0360	0.1861	0.3325
40 mph	(0.0007)	(0.0000)	(0.0002)	0.0004	0.0644	0.0436	0.0281	0.1448	0.2804
45 mph	(0.0005)	(0.0000)	(0.0002)	0.0003	0.0468	0.0315	0.0185	0.0952	0.1917
50 mph	(0.0005)	(0.0000)	(0.0002)	0.0003	0.0503	0.0336	0.0092	0.0459	0.1386
55 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0272	0.0181	0.0050	0.0255	0.0756
60 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0168	0.0111	0.4063	2.3385	2.7726
65 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0065	0.0042	-	-	0.0106
70 mph	(0.0025)	(0.0002)	(0.0008)	0.0016	0.4562	0.2728	-	-	0.7271
total	(0.0073)	(0.0004)	(0.0025)	0.0048	0.9050	0.5800	0.6031	3.3466	5.4293

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1506	0.1071	0.0738	0.6549	0.9864
15 mph	0.0033	0.0001	0.0014	0.0009	0.0676	0.0480	0.0145	0.0890	0.2248
25 mph	-	-	-	-	0.0411	0.0285	0.0337	0.1749	0.2782
35 mph	0.0027	0.0001	0.0009	0.0006	-	-	-	-	0.0043
total	0.0061	0.0002	0.0024	0.0014	0.2594	0.1836	0.1220	0.9188	1.4938

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1506	0.1071	0.0738	0.6549	0.9864
10 mph	0.0004	0.0000	0.0002	0.0031	0.2182	0.1557	0.0390	0.2507	0.6674
15 mph	0.0032	0.0001	0.0014	0.0017	0.1339	0.0950	0.0218	0.1342	0.3912
20 mph	0.0000	0.0000	0.0000	0.0005	0.0468	0.0327	0.0336	0.1649	0.2786
25 mph	0.0005	0.0000	0.0002	0.0015	0.1662	0.1151	0.1090	0.5653	0.9577
30 mph	0.0003	0.0000	0.0001	0.0014	0.1252	0.0862	0.0756	0.3906	0.6793
35 mph	0.0025	0.0001	0.0009	0.0018	0.1286	0.0877	0.0476	0.2457	0.5147
40 mph	(0.0005)	(0.0000)	(0.0002)	0.0006	0.0828	0.0560	0.0390	0.2010	0.3787
45 mph	(0.0004)	(0.0000)	(0.0001)	0.0004	0.0608	0.0409	0.0265	0.1358	0.2638
50 mph	(0.0004)	(0.0000)	(0.0001)	0.0004	0.0636	0.0424	0.0220	0.1096	0.2375
55 mph	(0.0002)	(0.0000)	(0.0001)	0.0003	0.0376	0.0250	0.0082	0.0419	0.1126
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0003	0.0380	0.0252	0.4100	2.3599	2.8334
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0095	0.0062	-	-	0.0158
70 mph	(0.0025)	(0.0002)	(0.0008)	0.0016	0.4562	0.2728	-	-	0.7271
total	0.0028	(0.0001)	0.0014	0.0137	1.7180	1.1479	0.9061	5.2545	9.0443

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0856	0.0856
15 mph								0.0176	0.0176
20 mph								0.0223	0.0223
25 mph								0.0906	0.0906
30 mph								0.0632	0.0632
35 mph								0.0219	0.0219
40 mph								0.0190	0.0190
45 mph								0.0120	0.0120
50 mph								0.0158	0.0158
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.3480	0.3480

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0522	0.0522
25 mph								0.0675	0.0675
30 mph								0.0888	0.0888
35 mph								0.0685	0.0685
40 mph								0.0489	0.0489
45 mph								0.0281	0.0281
50 mph								0.0114	0.0114
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.2769	0.2769

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0013	0.0013
15 mph								0.0347	0.0347
25 mph								0.0708	0.0708
35 mph								-	-
total	-	-	-	-	-	-	-	0.1068	0.1068

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0013	0.0013
10 mph								0.0856	0.0856
15 mph								0.0523	0.0523
20 mph								0.0744	0.0744
25 mph								0.2289	0.2289
30 mph								0.1519	0.1519
35 mph								0.0904	0.0904
40 mph								0.0679	0.0679
45 mph								0.0402	0.0402
50 mph								0.0273	0.0273
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.8202	0.8202

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2970	0.8147	0.5084	0.5608	0.8759	0.7618	0.4621	0.7999
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS + HOTSOAK Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.5398	0.1118	0.3456	1.4486	0.8047	0.2150	0.2128	0.0025
Electric/NG	-	-	-	-	-	-	-	-
Total	**0.5398**	**0.1118**	**0.3456**	**1.4486**	**0.8047**	**0.2150**	**0.2128**	**0.0025**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.4419	0.9916	0.6746	0.8064	0.0855	0.0775	0.0613	0.1111
Electric/NG	0.0314	0.0312	0.0313	0.0314	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.4015	0.0680	0.2293	1.0415	0.0393	0.0109	0.0141	0.0002
Electric/NG	0.0008	0.0000	0.0002	0.0005	-	-	-	-
Total	0.4022	0.0681	0.2295	1.0420	0.0393	0.0109	0.0141	0.0002

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1962	0.3070	0.2755	0.3470	0.1084	0.1079	0.1912	0.0015
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3565	0.0421	0.1873	0.8964	0.0996	0.0305	0.0880	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.3565	0.0421	0.1873	0.8964	0.0996	0.0305	0.0880	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.2205	0.4383	0.8668	0.6606	3.1862
10 mph	0.0131	0.0026	0.0083	0.0898	0.2681	0.1670	0.0794	0.3392	0.9674
15 mph	0.1250	0.0250	0.0799	0.0649	0.1739	0.1039	0.0485	0.1884	0.8093
20 mph	0.0027	0.0005	0.0017	0.0359	0.0684	0.0374	0.0763	0.2424	0.4654
25 mph	0.0344	0.0072	0.0224	0.1143	0.2526	0.1337	0.2386	0.8037	1.6070
30 mph	0.0179	0.0038	0.0117	0.1070	0.1905	0.0999	0.1616	0.5491	1.1415
35 mph	0.1653	0.0362	0.1085	0.1388	0.1955	0.1015	0.1015	0.3404	1.1877
40 mph	(0.0366)	(0.0081)	(0.0241)	0.0519	0.1266	0.0649	0.0846	0.2725	0.5319
45 mph	(0.0266)	(0.0059)	(0.0175)	0.0387	0.0939	0.0475	0.0573	0.1785	0.3659
50 mph	(0.0297)	(0.0065)	(0.0195)	0.0406	0.0994	0.0495	0.0474	0.1389	0.3202
55 mph	(0.0151)	(0.0033)	(0.0099)	0.0259	0.0600	0.0294	0.0170	0.0426	0.1466
60 mph	(0.0022)	(0.0005)	(0.0014)	0.0317	0.0619	0.0299	0.8277	2.3933	3.3402
65 mph	(0.0032)	(0.0007)	(0.0021)	0.0066	0.0155	0.0074	-	-	0.0235
70 mph	(0.2227)	(0.0549)	(0.1453)	0.1743	0.6460	0.3058	-	-	0.7032
RL+HS	0.5398	0.1118	0.3456	1.4486	0.8047	0.2150	0.2128	0.0025	3.6808
RL+DIURN	0.4022	0.0681	0.2295	1.0420	0.0393	0.0109	0.0141	0.0002	1.8063
STREX	0.3565	0.0421	0.1873	0.8964	0.0996	0.0305	0.0880	0.0000	1.7004
total	1.3206	0.2175	0.7751	4.3075	4.4162	1.8726	2.9218	6.1523	**21.9836**

World Logistics Center
Mobile Emissions - 2024 (Net) - Mitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.4822	1.4928	2.3977	30.4856
10 mph	0.0527	0.1529	0.1099	0.1367	0.2300	0.2483	0.5175	5.5003
15 mph	0.0464	0.1312	0.0955	0.1193	0.2043	0.2193	0.4571	4.8915
20 mph	0.0416	0.1158	0.0850	0.1066	0.1889	0.1997	0.4142	4.4934
25 mph	0.0377	0.1038	0.0763	0.0962	0.1754	0.1826	0.3724	4.1977
30 mph	0.0348	0.0954	0.0701	0.0888	0.1662	0.1704	0.3397	3.9857
35 mph	0.0325	0.0897	0.0655	0.0833	0.1603	0.1615	0.3158	3.8532
40 mph	0.0311	0.0861	0.0625	0.0798	0.1562	0.1555	0.3038	3.7485
45 mph	0.0301	0.0841	0.0608	0.0778	0.1535	0.1511	0.2905	3.6987
50 mph	0.0298	0.0850	0.0606	0.0778	0.1547	0.1500	0.2915	3.6938
55 mph	0.0302	0.0880	0.0620	0.0796	0.1583	0.1521	0.2924	3.7843
60 mph	0.0316	0.0941	0.0655	0.0842	0.1649	0.1590	0.3090	3.8964
65 mph	0.0329	0.1013	0.0689	0.0886	0.1740	0.1669		
70 mph	0.0334	0.1164	0.0706	0.0927	0.1933	0.1650		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					51.8809	52.1309	29.3898	28.2330
10 mph	0.1061	0.7501	0.1296	0.0951	1.0811	1.0135	4.8684	10.5181
15 mph	0.0829	0.7700	0.0897	0.0686	0.9703	0.9118	3.4460	7.4070
20 mph	0.0668	0.7954	0.0622	0.0508	0.9674	0.8981	2.7494	5.2126
25 mph	0.0596	0.8235	0.0497	0.0433	0.9873	0.9069	2.1511	4.4128
30 mph	0.0560	0.8540	0.0433	0.0399	1.0371	0.9428	1.6153	3.3231
35 mph	0.0536	0.8844	0.0392	0.0383	1.1140	0.9971	1.1896	2.4625
40 mph	0.0528	0.9193	0.0365	0.0370	1.1794	1.0473	0.8737	1.8342
45 mph	0.0529	0.9570	0.0344	0.0361	1.2307	1.0883	0.6688	1.4313
50 mph	0.0536	0.9936	0.0333	0.0361	1.3060	1.1511	0.5770	1.2336
55 mph	0.0538	1.0355	0.0323	0.0360	1.3401	1.1831	0.5960	1.3436
60 mph	0.0555	1.0744	0.0320	0.0363	1.3596	1.2039	0.7284	1.5839
65 mph	0.0555	1.1057	0.0326	0.0380	1.5195	1.3301		
70 mph	0.0566	1.1101	0.0393	0.0460	2.4962	2.0007		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								35.5387
10 mph								4.5217
15 mph								3.3839
20 mph								2.6686
25 mph								2.3259
30 mph								2.1214
35 mph								1.9688
40 mph								1.8526
45 mph								1.7649
50 mph								1.7011
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0548	0.0120	0.0427	0.1212	0.0868	0.0288	0.1132	0.0081	0.4676
15 mph	0.0193	0.0041	0.0148	0.0423	0.0308	0.0102	0.0333	0.0024	0.1573
20 mph	0.0346	0.0073	0.0264	0.0756	0.0570	0.0185	0.0604	0.0044	0.2843
25 mph	0.1566	0.0326	0.1187	0.3414	0.2647	0.0847	0.2987	0.0227	1.3200
30 mph	0.1589	0.0330	0.1199	0.3463	0.2759	0.0869	0.2477	0.0196	1.2882
35 mph	0.1218	0.0254	0.0916	0.2659	0.2177	0.0674	0.1036	0.0085	0.9019
40 mph	0.0387	0.0081	0.0292	0.0849	0.0707	0.0216	0.1107	0.0092	0.3732
45 mph	0.0313	0.0066	0.0236	0.0690	0.0579	0.0175	0.0847	0.0073	0.2980
50 mph	0.0310	0.0067	0.0236	0.0690	0.0584	0.0174	0.1381	0.0118	0.3560
55 mph	0.0251	0.0055	0.0193	0.0565	0.0478	0.0141	0.0320	0.0028	0.2031
60 mph	0.0526	0.0118	0.0408	0.1195	0.0996	0.0295	0.0338	0.0029	0.3904
65 mph	0.0068	0.0016	0.0054	0.0157	0.0131	0.0039	-	-	0.0465
70 mph	-	-	-	-	-	-	-	-	-
total	0.7317	0.1546	0.5559	1.6074	1.2805	0.4004	1.2562	0.0998	6.0865

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0354)	(0.0077)	(0.0276)	0.0298	0.0365	0.0121	-	-	0.0077
15 mph	(0.0312)	(0.0066)	(0.0240)	0.0260	0.0324	0.0107	-	-	0.0073
20 mph	(0.0279)	(0.0059)	(0.0213)	0.0233	0.0300	0.0097	0.1415	0.0104	0.1597
25 mph	(0.0506)	(0.0105)	(0.0383)	0.0420	0.0556	0.0178	0.2226	0.0169	0.2555
30 mph	(0.0933)	(0.0193)	(0.0704)	0.0774	0.1054	0.0332	0.3481	0.0276	0.4088
35 mph	(0.1966)	(0.0409)	(0.1479)	0.1635	0.2288	0.0708	0.3236	0.0266	0.4279
40 mph	(0.2084)	(0.0436)	(0.1569)	0.1741	0.2477	0.0757	0.2853	0.0238	0.3976
45 mph	(0.1617)	(0.0341)	(0.1221)	0.1358	0.1947	0.0589	0.1985	0.0170	0.2871
50 mph	(0.1801)	(0.0388)	(0.1369)	0.1528	0.2208	0.0658	0.0996	0.0085	0.1916
55 mph	(0.1014)	(0.0223)	(0.0778)	0.0868	0.1255	0.0371	0.0499	0.0044	0.1021
60 mph	(0.0637)	(0.0143)	(0.0494)	0.0551	0.0785	0.0232	3.6939	0.3142	4.0376
65 mph	(0.0221)	(0.0051)	(0.0173)	0.0193	0.0276	0.0081	-	-	0.0105
70 mph	(1.0303)	(0.2714)	(0.8153)	0.9300	1.4102	0.3697	-	-	0.5930
total	(2.2027)	(0.5207)	(1.7051)	1.9158	2.7937	0.7929	5.3631	0.4494	6.8864

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0933	0.0289	0.0705	0.0088	0.2015
15 mph	0.2561	0.0546	0.1970	0.0729	0.0646	0.0213	0.0655	0.0047	0.7368
25 mph	-	-	-	-	0.1053	0.0337	0.2335	0.0178	0.3903
35 mph	0.7724	0.1608	0.5811	0.2012	-	-	-	-	1.7156
total	1.0285	0.2155	0.7781	0.2741	0.2633	0.0839	0.3695	0.0313	3.0442

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0933	0.0289	0.0705	0.0088	0.2015
10 mph	0.0194	0.0043	0.0151	0.1510	0.1233	0.0409	0.1132	0.0081	0.4753
15 mph	0.2442	0.0521	0.1879	0.1412	0.1278	0.0421	0.0988	0.0071	0.9014
20 mph	0.0067	0.0014	0.0051	0.0989	0.0870	0.0282	0.2019	0.0148	0.4439
25 mph	0.1061	0.0221	0.0804	0.3834	0.4257	0.1361	0.7548	0.0574	1.9659
30 mph	0.0656	0.0136	0.0495	0.4238	0.3813	0.1201	0.5958	0.0472	1.6969
35 mph	0.6976	0.1453	0.5249	0.6305	0.4465	0.1382	0.4272	0.0352	3.0454
40 mph	(0.1697)	(0.0355)	(0.1278)	0.2590	0.3184	0.0974	0.3961	0.0330	0.7708
45 mph	(0.1304)	(0.0275)	(0.0985)	0.2048	0.2527	0.0764	0.2832	0.0243	0.5851
50 mph	(0.1491)	(0.0321)	(0.1134)	0.2218	0.2792	0.0832	0.2377	0.0203	0.5476
55 mph	(0.0763)	(0.0168)	(0.0585)	0.1433	0.1733	0.0512	0.0819	0.0072	0.3052
60 mph	(0.0111)	(0.0025)	(0.0086)	0.1746	0.1780	0.0527	3.7277	0.3171	4.4280
65 mph	(0.0153)	(0.0035)	(0.0119)	0.0350	0.0407	0.0120	-	-	0.0570
70 mph	(1.0303)	(0.2714)	(0.8153)	0.9300	1.4102	0.3697	-	-	0.5930
total	(0.4425)	(0.1506)	(0.3710)	3.7973	4.3375	1.2772	6.9889	0.5804	16.0171

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0011	0.0000	0.0004	0.0021	0.3075	0.2050	5.2730	21.6476	27.4366
15 mph	0.0003	0.0000	0.0001	0.0006	0.1104	0.0738	1.2441	5.0815	6.5108
20 mph	0.0005	0.0000	0.0001	0.0009	0.2201	0.1453	1.9852	7.1521	9.5044
25 mph	0.0024	0.0001	0.0006	0.0037	1.1231	0.7336	8.5428	33.3008	43.7073
30 mph	0.0025	0.0001	0.0005	0.0038	1.2978	0.8390	5.8319	22.7981	30.7737
35 mph	0.0020	0.0001	0.0004	0.0030	1.1405	0.7260	1.9327	7.6022	11.4069
40 mph	0.0006	0.0000	0.0001	0.0010	0.4025	0.2542	1.5772	6.2917	8.5273
45 mph	0.0005	0.0000	0.0001	0.0008	0.3500	0.2201	0.9659	3.9279	5.4653
50 mph	0.0005	0.0000	0.0001	0.0008	0.3714	0.2328	1.3541	5.5009	7.4607
55 mph	0.0004	0.0000	0.0001	0.0006	0.3049	0.1914	0.3228	1.3827	2.2029
60 mph	0.0009	0.0001	0.0001	0.0013	0.6187	0.3896	0.3945	1.6299	3.0350
65 mph	0.0001	0.0000	0.0000	0.0002	0.0864	0.0538	-	-	0.1405
70 mph	-	-	-	-	-	-	-	-	-
total	0.0120	0.0006	0.0027	0.0186	6.3333	4.0645	29.4242	116.3155	156.1714

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0007)	(0.0000)	(0.0002)	0.0005	0.1292	0.0861	-	-	0.2149
15 mph	(0.0005)	(0.0000)	(0.0002)	0.0004	0.1160	0.0775	-	-	0.1931
20 mph	(0.0004)	(0.0000)	(0.0001)	0.0003	0.1156	0.0763	4.6504	16.7539	21.5959
25 mph	(0.0008)	(0.0000)	(0.0002)	0.0005	0.2360	0.1542	6.3673	24.8205	31.5775
30 mph	(0.0015)	(0.0001)	(0.0003)	0.0008	0.4959	0.3206	8.1967	32.0427	41.0548
35 mph	(0.0032)	(0.0002)	(0.0006)	0.0018	1.1984	0.7628	6.0364	23.7443	31.7398
40 mph	(0.0035)	(0.0002)	(0.0007)	0.0020	1.4097	0.8902	4.0640	16.2121	22.5737
45 mph	(0.0028)	(0.0002)	(0.0005)	0.0015	1.1768	0.7401	2.2626	9.2010	13.3786
50 mph	(0.0032)	(0.0002)	(0.0005)	0.0017	1.4050	0.8806	0.9760	3.9649	7.2243
55 mph	(0.0018)	(0.0001)	(0.0003)	0.0010	0.8009	0.5028	0.5041	2.1593	3.9659
60 mph	(0.0011)	(0.0001)	(0.0002)	0.0006	0.4875	0.3070	43.1228	178.1796	222.0962
65 mph	(0.0004)	(0.0000)	(0.0001)	0.0002	0.1816	0.1131	-	-	0.2944
70 mph	(0.0171)	(0.0011)	(0.0033)	0.0112	13.7250	7.8232	-	-	21.5379
total	(0.0368)	(0.0022)	(0.0072)	0.0224	21.4778	12.7346	76.1803	307.0782	417.4470

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.4626	1.7597	4.2788	7.8105	16.3115
15 mph	0.0045	0.0001	0.0013	0.0010	0.2312	0.1545	2.4456	9.9889	12.8272
25 mph	-	-	-	-	0.4469	0.2919	6.6804	26.0410	33.4602
35 mph	0.0124	0.0007	0.0025	0.0022	-	-	-	-	0.0179
total	0.0169	0.0008	0.0039	0.0033	3.1407	2.2061	13.4048	43.8404	62.6169

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.4626	1.7597	4.2788	7.8105	16.3115
10 mph	0.0004	0.0000	0.0001	0.0026	0.4367	0.2911	5.2730	21.6476	27.6515
15 mph	0.0043	0.0001	0.0013	0.0020	0.4576	0.3058	3.6897	15.0704	19.5311
20 mph	0.0001	0.0000	0.0000	0.0011	0.3357	0.2217	6.6356	23.9060	31.1003
25 mph	0.0016	0.0001	0.0004	0.0042	1.8060	1.1797	21.5906	84.1623	108.7450
30 mph	0.0010	0.0001	0.0002	0.0046	1.7937	1.1596	14.0286	54.8407	71.8286
35 mph	0.0112	0.0006	0.0023	0.0070	2.3390	1.4888	7.9691	31.3465	43.1645
40 mph	(0.0028)	(0.0002)	(0.0005)	0.0029	1.8122	1.1444	5.6412	22.5038	31.1010
45 mph	(0.0022)	(0.0001)	(0.0004)	0.0023	1.5268	0.9602	3.2285	13.1289	18.8439
50 mph	(0.0026)	(0.0002)	(0.0005)	0.0025	1.7764	1.1134	2.3301	9.4659	14.6850
55 mph	(0.0013)	(0.0001)	(0.0002)	0.0016	1.1058	0.6942	0.8269	3.5419	6.1688
60 mph	(0.0002)	(0.0000)	(0.0000)	0.0018	1.1062	0.6966	43.5172	179.8096	225.1312
65 mph	(0.0003)	(0.0000)	(0.0000)	0.0004	0.2681	0.1669	-	-	0.4350
70 mph	(0.0171)	(0.0011)	(0.0033)	0.0112	13.7250	7.8232	-	-	21.5379
total	(0.0079)	(0.0008)	(0.0007)	0.0443	30.9518	19.0052	119.0093	467.2341	636.2353

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.5025	0.5025
15 mph								0.1254	0.1254
20 mph								0.1977	0.1977
25 mph								0.9478	0.9478
30 mph								0.7859	0.7859
35 mph								0.3282	0.3282
40 mph								0.3432	0.3432
45 mph								0.2615	0.2615
50 mph								0.4096	0.4096
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.9019	3.9019

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.4632	0.4632
25 mph								0.7064	0.7064
30 mph								1.1046	1.1046
35 mph								1.0251	1.0251
40 mph								0.8842	0.8842
45 mph								0.6126	0.6126
50 mph								0.2952	0.2952
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.2993	3.2993

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.5309	0.5309
15 mph								0.2464	0.2464
25 mph								0.7412	0.7412
35 mph								-	-
total	-	-	-	-	-	-	-	1.5185	1.5185

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.5309	0.5309
10 mph								0.5025	0.5025
15 mph								0.3718	0.3718
20 mph								0.6609	0.6609
25 mph								2.3955	2.3955
30 mph								1.8905	1.8905
35 mph								1.3533	1.3533
40 mph								1.2274	1.2274
45 mph								0.8742	0.8742
50 mph								0.7049	0.7049
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	10.5119	10.5119

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.5559	1.7886	4.3493	8.3502	17.0440
10 mph	0.0198	0.0043	0.0153	0.1536	0.5600	0.3320	5.3862	22.1582	28.6294
15 mph	0.2485	0.0522	0.1892	0.1432	0.5854	0.3479	3.7885	15.4493	20.8044
20 mph	0.0068	0.0014	0.0051	0.1000	0.4227	0.2499	6.8375	24.5817	32.2051
25 mph	0.1077	0.0221	0.0808	0.3875	2.2317	1.3158	22.3454	86.6152	113.1063
30 mph	0.0667	0.0137	0.0497	0.4284	2.1750	1.2797	14.6245	56.7784	75.4160
35 mph	0.7089	0.1459	0.5271	0.6375	2.7855	1.6270	8.3963	32.7350	47.5632
40 mph	(0.1725)	(0.0357)	(0.1283)	0.2619	2.1306	1.2418	6.0372	23.7642	33.0992
45 mph	(0.1327)	(0.0276)	(0.0989)	0.2071	1.7795	1.0366	3.5117	14.0274	20.3031
50 mph	(0.1518)	(0.0323)	(0.1138)	0.2243	2.0556	1.1966	2.5677	10.1910	15.9375
55 mph	(0.0776)	(0.0169)	(0.0588)	0.1448	1.2791	0.7454	0.9088	3.5491	6.4740
60 mph	(0.0113)	(0.0025)	(0.0086)	0.1765	1.2842	0.7493	47.2449	180.1267	229.5592
65 mph	(0.0155)	(0.0036)	(0.0120)	0.0354	0.3088	0.1789	-	-	0.4920
70 mph	(1.0474)	(0.2725)	(0.8186)	0.9412	15.1352	8.1929	-	-	22.1308
STREX	0.3048	0.0317	0.1684	0.7798	0.4388	0.1381	4.6914	9.9507	16.5038
total	(0.1456)	(0.1197)	(0.2033)	4.6213	35.7281	20.4205	130.6896	488.2770	**679.2680**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1677	0.2310	0.2478	0.3019	0.4776	0.4895	0.3448	0.4381
Diesel	-	-	-	-	-	-	1.9879	2.2964
Electric	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3048	0.0317	0.1684	0.7798	0.4388	0.1381	0.1588	0.0014
Diesel	-	-	-	-	-	-	4.5327	9.9493
Electric	-	-	-	-	-	-	-	-
Total	0.3048	0.0317	0.1684	0.7798	0.4388	0.1381	4.6914	9.9507

World Logistics Center
Mobile Emissions - 2024 (Net) - Mitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					154.2235	154.5142	385.6942	326.3306
10 mph	1.0224	1.9873	1.4333	1.6655	1.2973	0.8658	2.0477	57.6146
15 mph	0.9310	1.7692	1.2949	1.4910	1.0479	0.7409	1.8129	50.5751
20 mph	0.8501	1.5940	1.1774	1.3468	0.8918	0.6515	1.6437	45.2980
25 mph	0.7767	1.4420	1.0708	1.2184	0.7693	0.5735	1.4640	40.9868
30 mph	0.7117	1.3143	0.9780	1.1102	0.6833	0.5137	1.3105	37.3828
35 mph	0.6541	1.2088	0.8971	1.0179	0.6263	0.4681	1.1866	34.4553
40 mph	0.6066	1.1227	0.5885	0.9451	0.5935	0.4387	1.1104	32.1303
45 mph	0.5659	1.0489	0.7764	0.8847	0.5745	0.4148	1.0223	30.2163
50 mph	0.5287	0.9921	0.7271	0.8341	0.5762	0.4005	0.9816	28.6560
55 mph	0.4925	0.9360	0.6798	0.7863	0.5955	0.3934	0.9262	27.6402
60 mph	0.4533	0.8746	0.6286	0.7407	0.6409	0.4021	0.9155	26.9405
65 mph	0.4198	0.8313	0.5857	0.7002	0.7349	0.4308		
70 mph	0.4017	0.8793	0.5662	0.6743	0.7379	0.3613		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	21.2964	34.6125
10 mph	2.2975	2.6998	1.7579	2.4264	2.1345	2.1678	0.4844	1.4560
15 mph	1.1411	1.8204	0.8640	1.1889	1.1324	1.1398	0.2636	0.7804
20 mph	0.4667	1.2853	0.3419	0.4717	0.5609	0.5531	0.1763	0.4652
25 mph	0.2903	1.0322	0.2079	0.2886	0.3919	0.3815	0.1346	0.3745
30 mph	0.2233	0.8913	0.1582	0.2210	0.3231	0.3118	0.1032	0.2870
35 mph	0.1809	0.8127	0.1268	0.1787	0.2854	0.2720	0.0778	0.2165
40 mph	0.1530	0.7802	0.1057	0.1494	0.2635	0.2485	0.0583	0.1628
45 mph	0.1342	0.7881	0.0908	0.1284	0.2535	0.2369	0.0446	0.1252
50 mph	0.1219	0.8394	0.0802	0.1140	0.2594	0.2399	0.0369	0.1027
55 mph	0.1140	0.9455	0.0726	0.1036	0.2733	0.2510	0.0351	0.0990
60 mph	0.1160	1.1160	0.0707	0.1013	0.3045	0.2783	0.0391	0.1086
65 mph	0.1240	1.3966	0.0737	0.1069	0.3908	0.3518		
70 mph	0.1285	1.6529	0.0816	0.1189	0.6744	0.5596		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								32.3955
10 mph								34.1244
15 mph								24.0221
20 mph								17.3711
25 mph								12.7351
30 mph								9.3918
35 mph								6.9281
40 mph								5.1127
45 mph								3.7753
50 mph								2.7904
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	1.0625	0.1560	0.5572	1.4770	0.4895	0.1004	0.4479	0.0850	4.3755
15 mph	0.3870	0.0555	0.2014	0.5289	0.1582	0.0344	0.1322	0.0249	1.5223
20 mph	0.7068	0.1001	0.3662	0.9555	0.2692	0.0604	0.2397	0.0446	2.7424
25 mph	3.2287	0.4527	1.6651	4.3219	1.1613	0.2659	1.1741	0.2217	12.4913
30 mph	3.2540	0.4539	1.6728	4.3321	1.1345	0.2620	0.9555	0.1839	12.2486
35 mph	2.4470	0.3415	1.2554	3.2497	0.8508	0.1953	0.3893	0.0763	8.8053
40 mph	0.7564	0.1057	0.2745	1.0058	0.2687	0.0610	0.4048	0.0790	2.9560
45 mph	0.5881	0.0823	0.3018	0.7846	0.2168	0.0481	0.2981	0.0594	2.3792
50 mph	0.5494	0.0779	0.2827	0.7397	0.2174	0.0464	0.4652	0.0916	2.4702
55 mph	0.4094	0.0588	0.2114	0.5578	0.1798	0.0365	0.1013	0.0204	1.5754
60 mph	0.7538	0.1098	0.3910	1.0510	0.3869	0.0746	0.1001	0.0199	2.8871
65 mph	0.0873	0.0130	0.0455	0.1242	0.0555	0.0100	-	-	0.3355
70 mph	-	-	-	-	-	-	-	-	-
total	14.2301	2.0073	7.2250	19.1281	5.3886	1.1949	4.7082	0.9066	54.7889

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.6860)	(0.1007)	(0.3598)	0.3632	0.2058	0.0422	-	-	(0.5353)
15 mph	(0.6247)	(0.0897)	(0.3250)	0.3252	0.1662	0.0361	-	-	(0.5119)
20 mph	(0.5704)	(0.0808)	(0.2955)	0.2937	0.1414	0.0317	0.5614	0.1044	0.1860
25 mph	(1.0423)	(0.1462)	(0.5375)	0.5314	0.2440	0.0559	0.8751	0.1653	0.1457
30 mph	(1.9100)	(0.2664)	(0.9819)	0.9685	0.4335	0.1001	1.3430	0.2584	(0.0549)
35 mph	(3.9499)	(0.5513)	(2.0265)	1.9980	0.8940	0.2052	1.2160	0.2382	(1.9764)
40 mph	(4.0699)	(0.5690)	(1.4772)	2.0612	0.9413	0.2137	1.0431	0.2036	(1.6532)
45 mph	(3.0378)	(0.4252)	(1.5590)	1.5435	0.7289	0.1617	0.6984	0.1393	(1.7503)
50 mph	(3.1924)	(0.4525)	(1.6427)	1.6371	0.8225	0.1756	0.3353	0.0660	(2.2511)
55 mph	(1.6521)	(0.2372)	(0.8531)	0.8574	0.4722	0.0958	0.1582	0.0318	(1.1269)
60 mph	(0.9125)	(0.1330)	(0.4734)	0.4846	0.3049	0.0588	10.9448	2.1727	12.4470
65 mph	(0.2817)	(0.0421)	(0.1470)	0.1527	0.1166	0.0210	-	-	(0.1806)
70 mph	(12.3980)	(2.0499)	(6.5375)	6.7650	5.3836	0.8096	-	-	(8.0271)
total	(34.3278)	(5.1438)	(17.2161)	17.9817	10.8549	2.0074	17.1752	3.3797	(5.2889)

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	9.7131	2.9891	11.3397	0.0943	24.1363
15 mph	5.1347	0.7370	2.6717	0.9110	0.3314	0.0720	0.2598	0.0489	10.1664
25 mph	-	-	-	-	0.4620	0.1058	0.9181	0.1734	1.6594
35 mph	15.5220	2.1665	7.9636	2.4592	-	-	-	-	28.1112
total	20.6566	2.9035	10.6353	3.3702	10.5065	3.1669	12.5177	0.3166	64.0733

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	9.7131	2.9891	11.3397	0.0943	24.1363
10 mph	0.3765	0.0553	0.1974	1.8403	0.6953	0.1425	0.4479	0.0850	3.8401
15 mph	4.8970	0.7028	2.5480	1.7651	0.6557	0.1424	0.3920	0.0738	11.1769
20 mph	0.1363	0.0193	0.0706	1.2492	0.4107	0.0922	0.8011	0.1489	2.9284
25 mph	2.1863	0.3066	1.1275	4.8533	1.8673	0.4276	2.9674	0.5604	14.2964
30 mph	1.3440	0.1875	0.6909	5.3006	1.5680	0.3621	2.2985	0.4423	12.1937
35 mph	14.0191	1.9567	7.1926	7.7068	1.7447	0.4005	1.6053	0.3144	34.9402
40 mph	(3.3135)	(0.4632)	(1.2027)	3.0670	1.2100	0.2748	1.4478	0.2826	1.3028
45 mph	(2.4497)	(0.3429)	(1.2572)	2.3281	0.9457	0.2098	0.9965	0.1987	0.6289
50 mph	(2.6431)	(0.3746)	(1.3600)	2.3767	1.0399	0.2220	0.8005	0.1576	0.2192
55 mph	(1.2427)	(0.1784)	(0.6417)	1.4153	0.6520	0.1323	0.2595	0.0522	0.4485
60 mph	(0.1588)	(0.0231)	(0.0824)	1.5357	0.6919	0.1333	11.0449	2.1926	15.3341
65 mph	(0.1944)	(0.0291)	(0.1015)	0.2769	0.1720	0.0310	-	-	0.1549
70 mph	(12.3980)	(2.0499)	(6.5375)	6.7650	5.3836	0.8096	-	-	(8.0271)
total	0.5589	(0.2330)	0.6442	40.4800	26.7500	6.3692	34.4011	4.6029	113.5732

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0234	0.0001	0.0050	0.0523	0.6071	0.4384	0.5247	2.9967	4.6476
15 mph	0.0046	0.0000	0.0010	0.0103	0.1288	0.0922	0.0952	0.5354	0.8675
20 mph	0.0038	0.0000	0.0008	0.0081	0.1276	0.0895	0.1273	0.6382	0.9954
25 mph	0.0118	0.0001	0.0023	0.0249	0.4459	0.3087	0.5346	2.8264	4.1548
30 mph	0.0100	0.0001	0.0020	0.0210	0.4043	0.2775	0.3726	1.9690	3.0564
35 mph	0.0066	0.0001	0.0013	0.0139	0.2922	0.1980	0.1263	0.6684	1.3069
40 mph	0.0019	0.0000	0.0004	0.0039	0.0899	0.0603	0.1052	0.5586	0.8201
45 mph	0.0014	0.0000	0.0003	0.0028	0.0721	0.0479	0.0645	0.3435	0.5324
50 mph	0.0012	0.0000	0.0002	0.0025	0.0738	0.0485	0.0867	0.4578	0.6708
55 mph	0.0009	0.0000	0.0002	0.0018	0.0622	0.0406	0.0190	0.1019	0.2266
60 mph	0.0019	0.0001	0.0003	0.0035	0.1385	0.0901	0.0212	0.1118	0.3673
65 mph	0.0003	0.0000	0.0000	0.0005	0.0222	0.0142	-	-	0.0372
70 mph	-	-	-	-	-	-	-	-	-
total	0.0677	0.0007	0.0137	0.1452	2.4646	1.7059	2.0773	11.2077	17.6829

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0151)	(0.0001)	(0.0032)	0.0129	0.2551	0.1843	-	-	0.4339
15 mph	(0.0075)	(0.0000)	(0.0016)	0.0063	0.1354	0.0969	-	-	0.2294
20 mph	(0.0031)	(0.0000)	(0.0006)	0.0025	0.0670	0.0470	0.2982	1.4951	1.9061
25 mph	(0.0038)	(0.0000)	(0.0008)	0.0031	0.0937	0.0649	0.3985	2.1067	2.6621
30 mph	(0.0059)	(0.0001)	(0.0012)	0.0047	0.1545	0.1060	0.5237	2.7675	3.5492
35 mph	(0.0107)	(0.0002)	(0.0021)	0.0085	0.3071	0.2081	0.3946	2.0877	2.9930
40 mph	(0.0100)	(0.0002)	(0.0019)	0.0079	0.3150	0.2112	0.2710	1.4393	2.2323
45 mph	(0.0070)	(0.0001)	(0.0013)	0.0054	0.2424	0.1611	0.1510	0.8046	1.3560
50 mph	(0.0072)	(0.0002)	(0.0013)	0.0054	0.2791	0.1836	0.0625	0.3300	0.8518
55 mph	(0.0037)	(0.0001)	(0.0007)	0.0027	0.1633	0.1067	0.0297	0.1592	0.4570
60 mph	(0.0023)	(0.0001)	(0.0004)	0.0016	0.1092	0.0710	2.3158	12.2186	14.7134
65 mph	(0.0008)	(0.0000)	(0.0001)	0.0006	0.0467	0.0299	-	-	0.0762
70 mph	(0.0388)	(0.0017)	(0.0068)	0.0290	3.7082	2.1882	-	-	5.8781
total	(0.1159)	(0.0028)	(0.0220)	0.0907	5.8766	3.6587	4.4450	23.4085	37.3388

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.2483	0.8878	3.1005	9.5754	14.8120
15 mph	0.0616	0.0003	0.0130	0.0177	0.2699	0.1932	0.1870	1.0525	1.7950
25 mph	-	-	-	-	0.1774	0.1228	0.4181	2.2103	2.9285
35 mph	0.0420	0.0006	0.0082	0.0105	-	-	-	-	0.0613
total	0.1036	0.0010	0.0211	0.0282	1.6956	1.2037	3.7056	12.8381	19.5969

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.2483	0.8878	3.1005	9.5754	14.8120
10 mph	0.0083	0.0000	0.0018	0.0652	0.8622	0.6227	0.5247	2.9967	5.0815
15 mph	0.0587	0.0003	0.0124	0.0342	0.5340	0.3823	0.2822	1.5879	2.8920
20 mph	0.0007	0.0000	0.0001	0.0106	0.1947	0.1365	0.4255	2.1333	2.9015
25 mph	0.0080	0.0001	0.0016	0.0279	0.7169	0.4963	1.3512	7.1433	9.7454
30 mph	0.0041	0.0001	0.0008	0.0256	0.5587	0.3835	0.8963	4.7365	6.6056
35 mph	0.0379	0.0006	0.0074	0.0329	0.5993	0.4061	0.5210	2.7561	4.3613
40 mph	(0.0082)	(0.0001)	(0.0016)	0.0118	0.4049	0.2715	0.3762	1.9979	3.0524
45 mph	(0.0057)	(0.0001)	(0.0011)	0.0082	0.3145	0.2090	0.2155	1.1481	1.8884
50 mph	(0.0060)	(0.0001)	(0.0011)	0.0079	0.3528	0.2321	0.1492	0.7878	1.5226
55 mph	(0.0028)	(0.0001)	(0.0005)	0.0045	0.2255	0.1473	0.0487	0.2611	0.6836
60 mph	(0.0004)	(0.0000)	(0.0001)	0.0051	0.2477	0.1610	2.3370	12.3304	15.0808
65 mph	(0.0006)	(0.0000)	(0.0001)	0.0010	0.0689	0.0441	-	-	0.1134
70 mph	(0.0388)	(0.0017)	(0.0068)	0.0290	3.7082	2.1882	-	-	5.8781
total	0.0554	(0.0011)	0.0128	0.2641	10.0368	6.5684	10.2279	47.4543	74.6185

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								3.7925	3.7925
15 mph								0.8899	0.8899
20 mph								1.2871	1.2871
25 mph								5.1897	5.1897
30 mph								3.4793	3.4793
35 mph								1.1550	1.1550
40 mph								0.9470	0.9470
45 mph								0.5594	0.5594
50 mph								0.6719	0.6719
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	17.9719	17.9719

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								3.0150	3.0150
25 mph								3.8681	3.8681
30 mph								4.8902	4.8902
35 mph								3.6073	3.6073
40 mph								2.4403	2.4403
45 mph								1.3105	1.3105
50 mph								0.4843	0.4843
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	15.3805	15.3805

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.4840	0.4840
15 mph								1.7494	1.7494
25 mph								4.0583	4.0583
35 mph								-	-
total	-	-	-	-	-	-	-	6.2916	6.2916

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.4840	0.4840
10 mph								3.7925	3.7925
15 mph								2.6393	2.6393
20 mph								4.3020	4.3020
25 mph								13.1160	13.1160
30 mph								8.3695	8.3695
35 mph								4.7623	4.7623
40 mph								3.3873	3.3873
45 mph								1.8700	1.8700
50 mph								1.1563	1.1563
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	43.8791	43.8791

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	10.9615	3.8769	14.4402	10.1537	39.4322
10 mph	0.3847	0.0553	0.1992	1.9054	1.5575	0.7652	0.9726	6.8742	12.7142
15 mph	4.9557	0.7032	2.5604	1.7993	1.1898	0.5247	0.6742	4.3009	16.7081
20 mph	0.1371	0.0193	0.0708	1.2598	0.6053	0.2287	1.2266	6.5843	10.1319
25 mph	2.1943	0.3067	1.1291	4.8813	2.5843	0.9239	4.3186	20.8198	37.1579
30 mph	1.3481	0.1875	0.6917	5.3262	2.1267	0.7455	3.1948	13.5482	27.1688
35 mph	14.0570	1.9573	7.1999	7.7397	2.3441	0.8067	2.1262	7.8328	44.0637
40 mph	(3.3217)	(0.4634)	(1.2043)	3.0787	1.6149	0.5463	1.8240	5.6678	7.7424
45 mph	(2.4554)	(0.3430)	(1.2582)	2.3363	1.2602	0.4187	1.2120	3.2167	4.3873
50 mph	(2.6490)	(0.3747)	(1.3611)	2.3846	1.3927	0.4541	0.9497	2.1017	2.8980
55 mph	(1.2455)	(0.1785)	(0.6422)	1.4198	0.8775	0.2796	0.3082	0.3133	1.1321
60 mph	(0.1592)	(0.0231)	(0.0824)	1.5408	0.9396	0.2944	13.3819	14.5230	30.4148
65 mph	(0.1950)	(0.0291)	(0.1016)	0.2779	0.2410	0.0751	-	-	0.2684
70 mph	(12.4368)	(2.0515)	(6.5444)	6.7941	9.0918	2.9978	-	-	(2.1490)
STREX	3.6499	0.2941	1.7210	7.4504	1.5095	0.4525	1.8394	0.0161	16.9329
total	4.2642	0.0600	2.3780	48.1944	38.2963	13.3901	46.4683	95.9525	**249.0038**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.0086	2.1428	2.5316	2.8842	1.6430	1.6034	3.9946	5.1986
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	3.6499	0.2941	1.7210	7.4504	1.5095	0.4525	1.8394	0.0161
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	3.6499	0.2941	1.7210	7.4504	1.5095	0.4525	1.8394	0.0161

World Logistics Center
Mobile Emissions - 2024 (Net) - Mitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0556	0.0556	0.1409	0.2275
10 mph	0.0048	0.0056	0.0059	0.0073	0.0147	0.0169	0.0306	0.0370
15 mph	0.0039	0.0046	0.0048	0.0059	0.0120	0.0138	0.0250	0.0304
20 mph	0.0032	0.0038	0.0040	0.0049	0.0100	0.0115	0.0208	0.0253
25 mph	0.0028	0.0032	0.0034	0.0042	0.0085	0.0098	0.0178	0.0216
30 mph	0.0025	0.0029	0.0030	0.0037	0.0076	0.0087	0.0158	0.0192
35 mph	0.0023	0.0027	0.0028	0.0035	0.0070	0.0081	0.0146	0.0178
40 mph	0.0022	0.0026	0.0027	0.0034	0.0068	0.0078	0.0142	0.0172
45 mph	0.0022	0.0026	0.0027	0.0034	0.0068	0.0079	0.0142	0.0172
50 mph	0.0023	0.0027	0.0028	0.0035	0.0070	0.0081	0.0146	0.0177
55 mph	0.0024	0.0028	0.0029	0.0036	0.0073	0.0084	0.0152	0.0184
60 mph	0.0025	0.0029	0.0030	0.0038	0.0076	0.0088	0.0158	0.0191
65 mph	0.0025	0.0029	0.0031	0.0039	0.0079	0.0090		
70 mph	0.0025	0.0030	0.0031	0.0040	0.0080	0.0091		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0352	0.0566	0.0588	0.0541
10 mph	0.0038	0.0082	0.0051	0.0064	0.0091	0.0102	0.0179	0.0302
15 mph	0.0031	0.0069	0.0043	0.0054	0.0059	0.0068	0.0141	0.0219
20 mph	0.0026	0.0056	0.0035	0.0045	0.0051	0.0058	0.0121	0.0180
25 mph	0.0021	0.0047	0.0029	0.0038	0.0045	0.0051	0.0105	0.0155
30 mph	0.0019	0.0041	0.0025	0.0033	0.0041	0.0046	0.0093	0.0136
35 mph	0.0017	0.0036	0.0023	0.0030	0.0041	0.0047	0.0083	0.0125
40 mph	0.0016	0.0034	0.0021	0.0028	0.0040	0.0045	0.0077	0.0114
45 mph	0.0015	0.0033	0.0021	0.0027	0.0039	0.0043	0.0073	0.0108
50 mph	0.0015	0.0033	0.0021	0.0027	0.0041	0.0045	0.0072	0.0104
55 mph	0.0016	0.0034	0.0022	0.0029	0.0043	0.0046	0.0073	0.0107
60 mph	0.0017	0.0037	0.0023	0.0031	0.0043	0.0046	0.0078	0.0113
65 mph	0.0019	0.0041	0.0026	0.0035	0.0044	0.0047		
70 mph	0.0021	0.0043	0.0028	0.0038	0.0045	0.0048		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0050	0.0004	0.0023	0.0064	0.0056	0.0020	0.0067	0.0001	0.0284
15 mph	0.0016	0.0001	0.0007	0.0021	0.0018	0.0006	0.0018	0.0000	0.0089
20 mph	0.0027	0.0002	0.0012	0.0035	0.0030	0.0011	0.0030	0.0000	0.0148
25 mph	0.0115	0.0010	0.0053	0.0150	0.0129	0.0046	0.0143	0.0001	0.0647
30 mph	0.0113	0.0010	0.0052	0.0146	0.0126	0.0044	0.0115	0.0001	0.0607
35 mph	0.0085	0.0008	0.0039	0.0111	0.0096	0.0034	0.0048	0.0000	0.0422
40 mph	0.0028	0.0002	0.0013	0.0036	0.0031	0.0011	0.0052	0.0000	0.0173
45 mph	0.0023	0.0002	0.0011	0.0030	0.0026	0.0009	0.0042	0.0000	0.0143
50 mph	0.0024	0.0002	0.0011	0.0031	0.0027	0.0009	0.0069	0.0001	0.0174
55 mph	0.0020	0.0002	0.0009	0.0026	0.0022	0.0008	0.0017	0.0000	0.0103
60 mph	0.0041	0.0004	0.0019	0.0053	0.0046	0.0016	0.0017	0.0000	0.0196
65 mph	0.0005	0.0000	0.0002	0.0007	0.0006	0.0002	-	-	0.0023
70 mph	-	-	-	-	-	-	-	-	-
total	0.0547	0.0048	0.0252	0.0710	0.0612	0.0216	0.0618	0.0005	0.3008

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0032)	(0.0003)	(0.0015)	0.0016	0.0023	0.0008	-	-	(0.0002)
15 mph	(0.0026)	(0.0002)	(0.0012)	0.0013	0.0019	0.0007	-	-	(0.0002)
20 mph	(0.0022)	(0.0002)	(0.0010)	0.0011	0.0016	0.0006	0.0071	0.0001	0.0070
25 mph	(0.0037)	(0.0003)	(0.0017)	0.0018	0.0027	0.0010	0.0106	0.0001	0.0104
30 mph	(0.0066)	(0.0006)	(0.0031)	0.0033	0.0048	0.0017	0.0162	0.0001	0.0158
35 mph	(0.0138)	(0.0012)	(0.0064)	0.0068	0.0100	0.0035	0.0150	0.0001	0.0142
40 mph	(0.0149)	(0.0013)	(0.0069)	0.0074	0.0108	0.0038	0.0133	0.0001	0.0124
45 mph	(0.0119)	(0.0011)	(0.0055)	0.0059	0.0087	0.0031	0.0097	0.0001	0.0089
50 mph	(0.0138)	(0.0012)	(0.0064)	0.0069	0.0101	0.0035	0.0050	0.0000	0.0040
55 mph	(0.0080)	(0.0007)	(0.0037)	0.0040	0.0058	0.0021	0.0026	0.0000	0.0021
60 mph	(0.0049)	(0.0004)	(0.0023)	0.0025	0.0036	0.0013	0.1893	0.0015	0.1905
65 mph	(0.0017)	(0.0001)	(0.0008)	0.0008	0.0012	0.0004	-	-	(0.0001)
70 mph	(0.0784)	(0.0070)	(0.0362)	0.0397	0.0583	0.0205	-	-	(0.0032)
total	(0.1659)	(0.0147)	(0.0766)	0.0830	0.1219	0.0429	0.2688	0.0022	0.2617

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0035	0.0011	0.0041	0.0001	0.0088
15 mph	0.0215	0.0019	0.0099	0.0036	0.0038	0.0013	0.0036	0.0000	0.0457
25 mph	-	-	-	-	0.0051	0.0018	0.0111	0.0001	0.0182
35 mph	0.0542	0.0048	0.0250	0.0084	-	-	-	-	0.0925
total	0.0758	0.0067	0.0350	0.0120	0.0124	0.0042	0.0189	0.0002	0.1652

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0035	0.0011	0.0041	0.0001	0.0088
10 mph	0.0018	0.0002	0.0008	0.0080	0.0079	0.0028	0.0067	0.0001	0.0282
15 mph	0.0205	0.0018	0.0095	0.0070	0.0075	0.0027	0.0054	0.0000	0.0545
20 mph	0.0005	0.0000	0.0002	0.0046	0.0046	0.0016	0.0101	0.0001	0.0218
25 mph	0.0078	0.0007	0.0036	0.0168	0.0207	0.0073	0.0360	0.0003	0.0933
30 mph	0.0047	0.0004	0.0021	0.0179	0.0174	0.0061	0.0277	0.0002	0.0766
35 mph	0.0490	0.0043	0.0226	0.0264	0.0196	0.0069	0.0198	0.0002	0.1488
40 mph	(0.0121)	(0.0011)	(0.0056)	0.0110	0.0139	0.0049	0.0185	0.0002	0.0296
45 mph	(0.0096)	(0.0008)	(0.0044)	0.0089	0.0113	0.0040	0.0139	0.0001	0.0232
50 mph	(0.0115)	(0.0010)	(0.0053)	0.0100	0.0127	0.0045	0.0119	0.0001	0.0214
55 mph	(0.0060)	(0.0005)	(0.0028)	0.0065	0.0080	0.0028	0.0043	0.0000	0.0124
60 mph	(0.0009)	(0.0001)	(0.0004)	0.0078	0.0082	0.0029	0.1910	0.0016	0.2102
65 mph	(0.0012)	(0.0001)	(0.0005)	0.0015	0.0018	0.0006	-	-	0.0022
70 mph	(0.0784)	(0.0070)	(0.0362)	0.0397	0.0583	0.0205	-	-	(0.0032)
total	(0.0354)	(0.0032)	(0.0164)	0.1661	0.1955	0.0688	0.3495	0.0029	0.7278

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0001	0.0026	0.0021	0.0194	0.0621	0.0863
15 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0051	0.0150	0.0214
20 mph	0.0000	0.0000	0.0000	0.0001	0.0012	0.0009	0.0087	0.0247	0.0356
25 mph	0.0001	0.0000	0.0000	0.0003	0.0051	0.0042	0.0419	0.1170	0.1686
30 mph	0.0001	0.0000	0.0000	0.0003	0.0051	0.0041	0.0336	0.0934	0.1366
35 mph	0.0001	0.0000	0.0000	0.0002	0.0042	0.0034	0.0135	0.0386	0.0600
40 mph	0.0000	0.0000	0.0000	0.0001	0.0014	0.0011	0.0138	0.0391	0.0555
45 mph	0.0000	0.0000	0.0000	0.0001	0.0011	0.0009	0.0105	0.0295	0.0421
50 mph	0.0000	0.0000	0.0000	0.0001	0.0012	0.0009	0.0168	0.0464	0.0653
55 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0008	0.0040	0.0110	0.0168
60 mph	0.0000	0.0000	0.0000	0.0001	0.0020	0.0015	0.0042	0.0116	0.0194
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0005
70 mph	-	-	-	-	-	-	-	-	-
total	0.0004	0.0000	0.0002	0.0015	0.0256	0.0205	0.1714	0.4885	0.7082

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0011	0.0009	-	-	0.0020
15 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0007	0.0006	-	-	0.0013
20 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0006	0.0005	0.0204	0.0580	0.0795
25 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0011	0.0009	0.0312	0.0872	0.1203
30 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0020	0.0016	0.0472	0.1313	0.1820
35 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0044	0.0036	0.0423	0.1205	0.1708
40 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0048	0.0038	0.0356	0.1008	0.1450
45 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0037	0.0029	0.0246	0.0692	0.1004
50 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0044	0.0034	0.0121	0.0334	0.0533
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0025	0.0020	0.0062	0.0172	0.0279
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0015	0.0012	0.4614	1.2702	1.7344
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0005	0.0004	-	-	0.0009
70 mph	(0.0006)	(0.0000)	(0.0002)	0.0009	0.0246	0.0187	-	-	0.0434
total	(0.0013)	(0.0000)	(0.0005)	0.0018	0.0519	0.0404	0.6809	1.8879	2.6612

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0017	0.0019	0.0086	0.0150	0.0271
15 mph	0.0002	0.0000	0.0001	0.0001	0.0014	0.0011	0.0100	0.0296	0.0425
25 mph	-	-	-	-	0.0020	0.0017	0.0327	0.0915	0.1279
35 mph	0.0004	0.0000	0.0001	0.0002	-	-	-	-	0.0007
total	0.0006	0.0000	0.0002	0.0003	0.0051	0.0047	0.0513	0.1360	0.1982

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0017	0.0019	0.0086	0.0150	0.0271
10 mph	0.0000	0.0000	0.0000	0.0002	0.0037	0.0029	0.0194	0.0621	0.0883
15 mph	0.0002	0.0000	0.0001	0.0002	0.0028	0.0023	0.0151	0.0446	0.0652
20 mph	0.0000	0.0000	0.0000	0.0001	0.0018	0.0014	0.0291	0.0827	0.1151
25 mph	0.0001	0.0000	0.0000	0.0004	0.0082	0.0067	0.1058	0.2957	0.4168
30 mph	0.0000	0.0000	0.0000	0.0004	0.0071	0.0057	0.0807	0.2247	0.3186
35 mph	0.0004	0.0000	0.0001	0.0006	0.0086	0.0070	0.0558	0.1591	0.2315
40 mph	(0.0001)	(0.0000)	(0.0000)	0.0002	0.0061	0.0049	0.0494	0.1399	0.2005
45 mph	(0.0001)	(0.0000)	(0.0000)	0.0002	0.0048	0.0038	0.0350	0.0988	0.1425
50 mph	(0.0001)	(0.0000)	(0.0000)	0.0002	0.0055	0.0043	0.0289	0.0798	0.1186
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0035	0.0027	0.0102	0.0282	0.0447
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0002	0.0035	0.0027	0.4656	1.2819	1.7538
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0008	0.0006	-	-	0.0014
70 mph	(0.0006)	(0.0000)	(0.0002)	0.0009	0.0246	0.0187	-	-	0.0434
total	(0.0003)	(0.0000)	(0.0001)	0.0036	0.0826	0.0657	0.9037	2.5124	3.5676

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
15 mph								-	-
25 mph								-	-
35 mph								-	-
total	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0052	0.0030	0.0127	0.0150	0.0359
10 mph	0.0018	0.0002	0.0008	0.0082	0.0116	0.0057	0.0261	0.0621	0.1164
15 mph	0.0207	0.0018	0.0095	0.0072	0.0103	0.0049	0.0205	0.0447	0.1197
20 mph	0.0005	0.0000	0.0002	0.0047	0.0064	0.0031	0.0392	0.0828	0.1369
25 mph	0.0079	0.0007	0.0036	0.0172	0.0290	0.0140	0.1418	0.2960	0.5101
30 mph	0.0047	0.0004	0.0022	0.0183	0.0245	0.0119	0.1084	0.2250	0.3952
35 mph	0.0493	0.0043	0.0227	0.0269	0.0282	0.0139	0.0756	0.1593	0.3803
40 mph	(0.0122)	(0.0011)	(0.0056)	0.0112	0.0200	0.0098	0.0679	0.1401	0.2301
45 mph	(0.0097)	(0.0008)	(0.0045)	0.0091	0.0161	0.0078	0.0489	0.0989	0.1657
50 mph	(0.0115)	(0.0010)	(0.0053)	0.0102	0.0183	0.0088	0.0408	0.0799	0.1401
55 mph	(0.0061)	(0.0005)	(0.0028)	0.0067	0.0115	0.0056	0.0144	0.0283	0.0571
60 mph	(0.0009)	(0.0001)	(0.0004)	0.0079	0.0117	0.0056	0.6566	1.2834	1.9640
65 mph	(0.0012)	(0.0001)	(0.0005)	0.0016	0.0026	0.0012	-	-	0.0036
70 mph	(0.0791)	(0.0070)	(0.0365)	0.0407	0.0828	0.0392	-	-	0.0401
STREX	0.0009	0.0001	0.0004	0.0021	0.0002	0.0001	0.0002	0.0000	0.0039
total	(0.0348)	(0.0031)	(0.0161)	0.1717	0.2783	0.1345	1.2533	2.5153	**4.2992**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0005	0.0006	0.0006	0.0008	0.0002	0.0002	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0009	0.0001	0.0004	0.0021	0.0002	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0009	0.0001	0.0004	0.0021	0.0002	0.0001	0.0002	0.0000

World Logistics Center
Mobile Emissions - 2024 (Net) - Mitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0393	0.0361	0.0338	0.0418
10 mph	0.0057	0.0079	0.0060	0.0062	0.0050	0.0046	0.0044	0.0054
15 mph	0.0038	0.0053	0.0040	0.0041	0.0034	0.0031	0.0029	0.0036
20 mph	0.0027	0.0038	0.0028	0.0029	0.0024	0.0022	0.0020	0.0026
25 mph	0.0020	0.0028	0.0021	0.0021	0.0018	0.0016	0.0015	0.0020
30 mph	0.0015	0.0022	0.0016	0.0017	0.0014	0.0012	0.0012	0.0016
35 mph	0.0013	0.0018	0.0013	0.0014	0.0011	0.0010	0.0010	0.0013
40 mph	0.0011	0.0016	0.0012	0.0012	0.0010	0.0009	0.0008	0.0011
45 mph	0.0010	0.0014	0.0011	0.0011	0.0009	0.0008	0.0008	0.0011
50 mph	0.0010	0.0014	0.0010	0.0010	0.0009	0.0008	0.0007	0.0010
55 mph	0.0010	0.0014	0.0010	0.0011	0.0009	0.0008	0.0008	0.0011
60 mph	0.0011	0.0015	0.0011	0.0011	0.0010	0.0009	0.0008	0.0011
65 mph	0.0012	0.0017	0.0013	0.0011	0.0011	0.0010		
70 mph	0.0013	0.0019	0.0014	0.0014	0.0012	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7969	0.8116	0.0073	0.0101
10 mph	0.0167	0.3302	0.0118	0.0096	0.0331	0.0376	0.0042	0.0124
15 mph	0.0131	0.2394	0.0097	0.0078	0.0248	0.0292	0.0033	0.0094
20 mph	0.0104	0.1830	0.0080	0.0064	0.0201	0.0238	0.0028	0.0064
25 mph	0.0083	0.1468	0.0067	0.0053	0.0166	0.0198	0.0027	0.0068
30 mph	0.0069	0.1235	0.0058	0.0046	0.0145	0.0172	0.0029	0.0074
35 mph	0.0060	0.1091	0.0052	0.0041	0.0131	0.0155	0.0035	0.0088
40 mph	0.0054	0.1000	0.0048	0.0038	0.0122	0.0143	0.0045	0.0112
45 mph	0.0052	0.0954	0.0045	0.0036	0.0115	0.0134	0.0058	0.0145
50 mph	0.0050	0.0957	0.0043	0.0034	0.0113	0.0130	0.0074	0.0185
55 mph	0.0050	0.1005	0.0041	0.0033	0.0112	0.0128	0.0095	0.0242
60 mph	0.0053	0.1096	0.0042	0.0034	0.0116	0.0131	0.0119	0.0297
65 mph	0.0056	0.1272	0.0044	0.0036	0.0131	0.0145		
70 mph	0.0054	0.1539	0.0051	0.0040	0.0196	0.0187		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0580
10 mph								0.0084
15 mph								0.0069
20 mph								0.0058
25 mph								0.0052
30 mph								0.0048
35 mph								0.0046
40 mph								0.0045
45 mph								0.0045
50 mph								0.0047
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0059	0.0006	0.0023	0.0055	0.0019	0.0005	0.0010	0.0000	0.0178
15 mph	0.0016	0.0002	0.0006	0.0015	0.0005	0.0001	0.0002	0.0000	0.0047
20 mph	0.0022	0.0002	0.0009	0.0021	0.0007	0.0002	0.0003	0.0000	0.0066
25 mph	0.0082	0.0009	0.0033	0.0076	0.0027	0.0007	0.0012	0.0000	0.0246
30 mph	0.0070	0.0008	0.0028	0.0065	0.0023	0.0006	0.0008	0.0000	0.0209
35 mph	0.0047	0.0005	0.0019	0.0044	0.0015	0.0004	0.0003	0.0000	0.0138
40 mph	0.0014	0.0001	0.0005	0.0013	0.0004	0.0001	0.0003	0.0000	0.0042
45 mph	0.0010	0.0001	0.0004	0.0010	0.0003	0.0001	0.0002	0.0000	0.0032
50 mph	0.0010	0.0001	0.0004	0.0009	0.0003	0.0001	0.0003	0.0000	0.0032
55 mph	0.0008	0.0001	0.0003	0.0008	0.0003	0.0001	0.0001	0.0000	0.0024
60 mph	0.0018	0.0002	0.0007	0.0016	0.0006	0.0002	0.0001	0.0000	0.0051
65 mph	0.0002	0.0000	0.0001	0.0002	0.0001	0.0000	-	-	0.0007
70 mph	-	-	-	-	-	-	-	-	-
total	0.0359	0.0039	0.0142	0.0333	0.0117	0.0032	0.0049	0.0000	0.1071

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0038)	(0.0004)	(0.0015)	0.0013	0.0008	0.0002	-	-	(0.0034)
15 mph	(0.0026)	(0.0003)	(0.0010)	0.0009	0.0005	0.0001	-	-	(0.0022)
20 mph	(0.0018)	(0.0002)	(0.0007)	0.0006	0.0004	0.0001	0.0007	0.0000	(0.0009)
25 mph	(0.0026)	(0.0003)	(0.0010)	0.0009	0.0006	0.0002	0.0009	0.0000	(0.0014)
30 mph	(0.0041)	(0.0004)	(0.0016)	0.0015	0.0009	0.0002	0.0012	0.0000	(0.0024)
35 mph	(0.0076)	(0.0008)	(0.0030)	0.0027	0.0016	0.0004	0.0010	0.0000	(0.0057)
40 mph	(0.0074)	(0.0008)	(0.0029)	0.0026	0.0016	0.0004	0.0008	0.0000	(0.0057)
45 mph	(0.0054)	(0.0006)	(0.0021)	0.0019	0.0012	0.0003	0.0005	0.0000	(0.0042)
50 mph	(0.0058)	(0.0006)	(0.0023)	0.0021	0.0013	0.0003	0.0003	0.0000	(0.0049)
55 mph	(0.0033)	(0.0004)	(0.0013)	0.0012	0.0007	0.0002	0.0001	0.0000	(0.0028)
60 mph	(0.0021)	(0.0002)	(0.0008)	0.0007	0.0005	0.0001	0.0097	0.0001	0.0079
65 mph	(0.0008)	(0.0001)	(0.0003)	0.0002	0.0002	0.0000	-	-	(0.0007)
70 mph	(0.0400)	(0.0043)	(0.0156)	0.0137	0.0086	0.0023	-	-	(0.0354)
total	(0.0875)	(0.0094)	(0.0343)	0.0303	0.0187	0.0051	0.0151	0.0001	(0.0619)

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0025	0.0007	0.0010	0.0000	0.0042
15 mph	0.0210	0.0022	0.0083	0.0025	0.0011	0.0003	0.0004	0.0000	0.0358
25 mph	-	-	-	-	0.0011	0.0003	0.0009	0.0000	0.0023
35 mph	0.0300	0.0033	0.0118	0.0033	-	-	-	-	0.0484
total	0.0510	0.0055	0.0202	0.0058	0.0046	0.0013	0.0023	0.0000	0.0907

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0025	0.0007	0.0010	0.0000	0.0042
10 mph	0.0021	0.0002	0.0008	0.0068	0.0027	0.0008	0.0010	0.0000	0.0144
15 mph	0.0200	0.0021	0.0079	0.0049	0.0021	0.0006	0.0006	0.0000	0.0383
20 mph	0.0004	0.0000	0.0002	0.0027	0.0011	0.0003	0.0010	0.0000	0.0057
25 mph	0.0056	0.0006	0.0022	0.0086	0.0043	0.0012	0.0030	0.0000	0.0254
30 mph	0.0029	0.0003	0.0011	0.0080	0.0032	0.0009	0.0020	0.0000	0.0184
35 mph	0.0271	0.0029	0.0107	0.0104	0.0032	0.0009	0.0013	0.0000	0.0564
40 mph	(0.0060)	(0.0007)	(0.0024)	0.0039	0.0020	0.0006	0.0011	0.0000	(0.0015)
45 mph	(0.0043)	(0.0005)	(0.0017)	0.0029	0.0015	0.0004	0.0007	0.0000	(0.0010)
50 mph	(0.0048)	(0.0005)	(0.0019)	0.0030	0.0016	0.0004	0.0006	0.0000	(0.0017)
55 mph	(0.0025)	(0.0003)	(0.0010)	0.0019	0.0010	0.0003	0.0002	0.0000	(0.0004)
60 mph	(0.0004)	(0.0000)	(0.0001)	0.0024	0.0010	0.0003	0.0098	0.0001	0.0130
65 mph	(0.0006)	(0.0001)	(0.0002)	0.0005	0.0003	0.0001	-	-	(0.0000)
70 mph	(0.0400)	(0.0043)	(0.0156)	0.0137	0.0086	0.0023	-	-	(0.0354)
total	(0.0005)	(0.0001)	0.0001	0.0694	0.0349	0.0096	0.0223	0.0002	0.1359

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0002	0.0000	0.0000	0.0002	0.0094	0.0076	0.0045	0.0256	0.0475
15 mph	0.0001	0.0000	0.0000	0.0001	0.0028	0.0024	0.0012	0.0065	0.0130
20 mph	0.0001	0.0000	0.0000	0.0001	0.0046	0.0039	0.0020	0.0088	0.0195
25 mph	0.0003	0.0000	0.0001	0.0005	0.0189	0.0160	0.0107	0.0515	0.0980
30 mph	0.0003	0.0000	0.0001	0.0004	0.0181	0.0153	0.0106	0.0505	0.0953
35 mph	0.0002	0.0000	0.0001	0.0003	0.0135	0.0113	0.0057	0.0272	0.0583
40 mph	0.0001	0.0000	0.0000	0.0001	0.0042	0.0035	0.0080	0.0385	0.0543
45 mph	0.0001	0.0000	0.0000	0.0001	0.0033	0.0027	0.0083	0.0399	0.0543
50 mph	0.0001	0.0000	0.0000	0.0001	0.0032	0.0026	0.0175	0.0825	0.1059
55 mph	0.0000	0.0000	0.0000	0.0001	0.0026	0.0021	0.0051	0.0249	0.0348
60 mph	0.0001	0.0000	0.0000	0.0001	0.0053	0.0042	0.0064	0.0306	0.0467
65 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0006	-	-	0.0014
70 mph	-	-	-	-	-	-	-	-	-
total	0.0015	0.0001	0.0003	0.0020	0.0865	0.0721	0.0801	0.3864	0.6291

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0040	0.0032	-	-	0.0071
15 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0030	0.0025	-	-	0.0054
20 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0024	0.0020	0.0048	0.0207	0.0299
25 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0040	0.0034	0.0080	0.0383	0.0536
30 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0069	0.0058	0.0148	0.0710	0.0985
35 mph	(0.0004)	(0.0000)	(0.0001)	0.0002	0.0141	0.0118	0.0178	0.0851	0.1286
40 mph	(0.0004)	(0.0000)	(0.0001)	0.0002	0.0146	0.0121	0.0207	0.0992	0.1464
45 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0110	0.0091	0.0195	0.0934	0.1328
50 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0122	0.0100	0.0126	0.0594	0.0939
55 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0067	0.0055	0.0080	0.0389	0.0590
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0041	0.0033	0.7020	3.3416	4.0511
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0016	0.0012	-	-	0.0028
70 mph	(0.0016)	(0.0002)	(0.0004)	0.0010	0.1076	0.0733	-	-	0.1797
total	(0.0038)	(0.0003)	(0.0009)	0.0021	0.1922	0.1433	0.8083	3.8477	4.9887

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0378	0.0274	0.0011	0.0028	0.0691
15 mph	0.0007	0.0000	0.0001	0.0001	0.0059	0.0049	0.0024	0.0127	0.0270
25 mph	-	-	-	-	0.0075	0.0064	0.0084	0.0402	0.0625
35 mph	0.0014	0.0001	0.0003	0.0002	-	-	-	-	0.0021
total	0.0021	0.0001	0.0005	0.0004	0.0513	0.0387	0.0118	0.0558	0.1606

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0378	0.0274	0.0011	0.0028	0.0691
10 mph	0.0001	0.0000	0.0000	0.0003	0.0134	0.0108	0.0045	0.0256	0.0546
15 mph	0.0007	0.0000	0.0001	0.0002	0.0117	0.0098	0.0036	0.0192	0.0453
20 mph	0.0000	0.0000	0.0000	0.0001	0.0070	0.0059	0.0068	0.0295	0.0494
25 mph	0.0002	0.0000	0.0001	0.0005	0.0304	0.0257	0.0271	0.1300	0.2141
30 mph	0.0001	0.0000	0.0000	0.0005	0.0250	0.0211	0.0254	0.1216	0.1939
35 mph	0.0013	0.0001	0.0003	0.0008	0.0276	0.0231	0.0235	0.1123	0.1889
40 mph	(0.0003)	(0.0000)	(0.0001)	0.0003	0.0187	0.0156	0.0288	0.1377	0.2007
45 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0143	0.0119	0.0278	0.1332	0.1872
50 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0154	0.0126	0.0300	0.1419	0.1998
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0093	0.0075	0.0131	0.0639	0.0938
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0002	0.0094	0.0076	0.7085	3.3722	4.0978
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0023	0.0018	-	-	0.0041
70 mph	(0.0016)	(0.0002)	(0.0004)	0.0010	0.1076	0.0733	-	-	0.1797
total	(0.0002)	(0.0001)	(0.0001)	0.0045	0.3299	0.2541	0.9003	4.2899	5.7783

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0009	0.0009
15 mph								0.0003	0.0003
20 mph								0.0004	0.0004
25 mph								0.0021	0.0021
30 mph								0.0018	0.0018
35 mph								0.0008	0.0008
40 mph								0.0008	0.0008
45 mph								0.0007	0.0007
50 mph								0.0011	0.0011
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0089	0.0089

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0010	0.0010
25 mph								0.0016	0.0016
30 mph								0.0025	0.0025
35 mph								0.0024	0.0024
40 mph								0.0022	0.0022
45 mph								0.0016	0.0016
50 mph								0.0008	0.0008
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0075	0.0075

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
15 mph								0.0005	0.0005
25 mph								0.0017	0.0017
35 mph								-	-
total	-	-	-	-	-	-	-	0.0030	0.0030

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
10 mph								0.0009	0.0009
15 mph								0.0008	0.0008
20 mph								0.0014	0.0014
25 mph								0.0053	0.0053
30 mph								0.0043	0.0043
35 mph								0.0032	0.0032
40 mph								0.0030	0.0030
45 mph								0.0022	0.0022
50 mph								0.0019	0.0019
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0239	0.0239

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0403	0.0281	0.0021	0.0037	0.0741
10 mph	0.0022	0.0002	0.0008	0.0071	0.0161	0.0115	0.0055	0.0265	0.0699
15 mph	0.0207	0.0022	0.0081	0.0051	0.0138	0.0104	0.0042	0.0200	0.0844
20 mph	0.0004	0.0000	0.0002	0.0028	0.0081	0.0062	0.0078	0.0310	0.0565
25 mph	0.0058	0.0006	0.0023	0.0091	0.0347	0.0269	0.0301	0.1354	0.2448
30 mph	0.0030	0.0003	0.0012	0.0085	0.0282	0.0220	0.0275	0.1259	0.2166
35 mph	0.0283	0.0030	0.0110	0.0111	0.0307	0.0240	0.0248	0.1155	0.2485
40 mph	(0.0063)	(0.0007)	(0.0024)	0.0042	0.0207	0.0161	0.0299	0.1407	0.2022
45 mph	(0.0046)	(0.0005)	(0.0018)	0.0031	0.0158	0.0123	0.0286	0.1355	0.1884
50 mph	(0.0051)	(0.0005)	(0.0020)	0.0032	0.0170	0.0130	0.0306	0.1438	0.2001
55 mph	(0.0026)	(0.0003)	(0.0010)	0.0021	0.0102	0.0078	0.0133	0.0639	0.0934
60 mph	(0.0004)	(0.0000)	(0.0001)	0.0025	0.0104	0.0079	0.7182	3.3723	4.1108
65 mph	(0.0006)	(0.0001)	(0.0002)	0.0005	0.0026	0.0019	-	-	0.0041
70 mph	(0.0417)	(0.0045)	(0.0160)	0.0146	0.1162	0.0756	-	-	0.1443
STREX	0.0032	0.0003	0.0012	0.0049	0.0004	0.0001	0.0002	0.0000	0.0103
total	0.0025	0.0002	0.0012	0.0788	0.3652	0.2638	0.9228	4.3141	**5.9485**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0018	0.0024	0.0018	0.0019	0.0004	0.0003	0.0004	0.0010
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0032	0.0003	0.0012	0.0049	0.0004	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0032	0.0003	0.0012	0.0049	0.0004	0.0001	0.0002	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.9301	0.0702	0.3479	0.7937	0.6373	0.2253	0.5189	0.0020
Diesel	0.0091	0.0000	0.0025	0.0193	0.5030	0.4093	2.5695	3.2999
Electric/NG	0.0245	0.0008	0.0053	0.0107	-	-	-	0.1810
Total	0.9636	0.0711	0.3558	0.8237	1.1403	0.6345	3.0884	3.4829

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	(3.0026)	(0.2268)	(1.1233)	0.9759	1.3392	0.4734	2.4310	0.0094
Diesel	(0.0294)	(0.0001)	(0.0082)	0.0237	1.0571	0.8601	12.0380	15.4599
Electric/NG	(0.0791)	(0.0027)	(0.0173)	0.0132	-	-	-	0.8482
Total	(3.1110)	(0.2295)	(1.1487)	1.0129	2.3964	1.3335	14.4691	16.3175

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.3087	0.0988	0.4896	0.1355	0.0774	0.0274	0.1097	0.0004
Diesel	0.0128	0.0000	0.0036	0.0033	0.0611	0.0497	0.5431	0.6974
Electric/NG	0.0345	0.0012	0.0075	0.0018	-	-	-	0.0383
Total	1.3560	0.1000	0.5007	0.1406	0.1385	0.0771	0.6527	0.7361

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	(0.7638)	(0.0577)	(0.2857)	1.9051	2.0539	0.7261	3.0596	0.0119	6.6494
Diesel	(0.0075)	(0.0000)	(0.0021)	0.0463	1.6213	1.3190	15.1506	19.4572	37.5849
Electric/NG	(0.0201)	(0.0007)	(0.0044)	0.0257	-	-	-	1.0675	1.0681
Total	(0.7913)	(0.0584)	(0.2922)	1.9772	3.6752	2.0451	18.2102	20.5366	**45.3024**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	26.0117
Internal	42.7713
Total	**68.7830**

World Logistics Center
Mobile Emissions - 2024 (Net) - Mitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0362	0.0332	0.0311	0.0386
10 mph	0.0053	0.0073	0.0056	0.0057	0.0046	0.0042	0.0040	0.0050
15 mph	0.0035	0.0049	0.0037	0.0038	0.0031	0.0028	0.0027	0.0033
20 mph	0.0025	0.0035	0.0026	0.0027	0.0022	0.0020	0.0019	0.0024
25 mph	0.0018	0.0026	0.0019	0.0020	0.0016	0.0015	0.0014	0.0018
30 mph	0.0014	0.0020	0.0015	0.0015	0.0013	0.0011	0.0011	0.0014
35 mph	0.0012	0.0017	0.0012	0.0013	0.0010	0.0009	0.0009	0.0012
40 mph	0.0010	0.0014	0.0011	0.0011	0.0009	0.0008	0.0008	0.0011
45 mph	0.0009	0.0013	0.0010	0.0010	0.0008	0.0007	0.0007	0.0010
50 mph	0.0009	0.0013	0.0009	0.0010	0.0008	0.0007	0.0007	0.0010
55 mph	0.0009	0.0013	0.0010	0.0010	0.0008	0.0007	0.0007	0.0010
60 mph	0.0010	0.0014	0.0010	0.0011	0.0009	0.0008	0.0007	0.0010
65 mph	0.0011	0.0015	0.0012	0.0012	0.0010	0.0009		
70 mph	0.0012	0.0017	0.0012	0.0013	0.0011	0.0009		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7624	0.7765	0.0070	0.0096
10 mph	0.0159	0.3159	0.0113	0.0092	0.0316	0.0359	0.0040	0.0119
15 mph	0.0125	0.2290	0.0093	0.0074	0.0237	0.0279	0.0032	0.0090
20 mph	0.0099	0.1751	0.0077	0.0061	0.0192	0.0228	0.0027	0.0062
25 mph	0.0079	0.1404	0.0064	0.0051	0.0159	0.0189	0.0026	0.0065
30 mph	0.0066	0.1181	0.0056	0.0044	0.0138	0.0164	0.0028	0.0070
35 mph	0.0057	0.1044	0.0050	0.0040	0.0126	0.0148	0.0034	0.0084
40 mph	0.0052	0.0957	0.0046	0.0036	0.0117	0.0137	0.0043	0.0107
45 mph	0.0049	0.0913	0.0043	0.0034	0.0110	0.0129	0.0055	0.0139
50 mph	0.0048	0.0916	0.0041	0.0033	0.0108	0.0125	0.0071	0.0177
55 mph	0.0048	0.0962	0.0040	0.0032	0.0107	0.0123	0.0091	0.0232
60 mph	0.0051	0.1048	0.0040	0.0032	0.0111	0.0126	0.0113	0.0284
65 mph	0.0053	0.1217	0.0042	0.0034	0.0126	0.0138		
70 mph	0.0051	0.1472	0.0049	0.0038	0.0187	0.0179		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0555
10 mph								0.0080
15 mph								0.0066
20 mph								0.0055
25 mph								0.0050
30 mph								0.0046
35 mph								0.0044
40 mph								0.0043
45 mph								0.0043
50 mph								0.0045
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0055	0.0006	0.0022	0.0050	0.0017	0.0005	0.0009	0.0000	0.0164
15 mph	0.0015	0.0002	0.0006	0.0013	0.0005	0.0001	0.0002	0.0000	0.0043
20 mph	0.0020	0.0002	0.0008	0.0019	0.0007	0.0002	0.0003	0.0000	0.0061
25 mph	0.0075	0.0008	0.0030	0.0070	0.0024	0.0007	0.0011	0.0000	0.0226
30 mph	0.0065	0.0007	0.0026	0.0060	0.0021	0.0006	0.0008	0.0000	0.0192
35 mph	0.0043	0.0005	0.0017	0.0040	0.0014	0.0004	0.0003	0.0000	0.0127
40 mph	0.0013	0.0001	0.0005	0.0012	0.0004	0.0001	0.0003	0.0000	0.0039
45 mph	0.0010	0.0001	0.0004	0.0009	0.0003	0.0001	0.0002	0.0000	0.0029
50 mph	0.0009	0.0001	0.0004	0.0009	0.0003	0.0001	0.0003	0.0000	0.0030
55 mph	0.0008	0.0001	0.0003	0.0007	0.0002	0.0001	0.0001	0.0000	0.0022
60 mph	0.0016	0.0002	0.0006	0.0015	0.0005	0.0001	0.0001	0.0000	0.0047
65 mph	0.0002	0.0000	0.0001	0.0002	0.0001	0.0000	-	-	0.0006
70 mph	-	-	-	-	-	-	-	-	-
total	0.0331	0.0035	0.0131	0.0306	0.0107	0.0030	0.0045	0.0000	0.0985

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0035)	(0.0004)	(0.0014)	0.0012	0.0007	0.0002	-	-	(0.0031)
15 mph	(0.0023)	(0.0002)	(0.0009)	0.0008	0.0005	0.0001	-	-	(0.0021)
20 mph	(0.0016)	(0.0002)	(0.0007)	0.0006	0.0003	0.0001	0.0006	0.0000	(0.0008)
25 mph	(0.0024)	(0.0003)	(0.0010)	0.0009	0.0005	0.0001	0.0008	0.0000	(0.0013)
30 mph	(0.0038)	(0.0004)	(0.0015)	0.0013	0.0008	0.0002	0.0011	0.0000	(0.0022)
35 mph	(0.0070)	(0.0008)	(0.0028)	0.0025	0.0015	0.0004	0.0009	0.0000	(0.0053)
40 mph	(0.0068)	(0.0007)	(0.0027)	0.0024	0.0014	0.0004	0.0007	0.0000	(0.0052)
45 mph	(0.0050)	(0.0005)	(0.0020)	0.0017	0.0011	0.0003	0.0005	0.0000	(0.0039)
50 mph	(0.0054)	(0.0006)	(0.0021)	0.0019	0.0012	0.0003	0.0002	0.0000	(0.0045)
55 mph	(0.0030)	(0.0003)	(0.0012)	0.0011	0.0007	0.0002	0.0001	0.0000	(0.0025)
60 mph	(0.0020)	(0.0002)	(0.0008)	0.0007	0.0004	0.0001	0.0089	0.0001	0.0073
65 mph	(0.0007)	(0.0001)	(0.0003)	0.0003	0.0002	0.0000	-	-	(0.0006)
70 mph	(0.0368)	(0.0040)	(0.0143)	0.0126	0.0079	0.0021	-	-	(0.0326)
total	(0.0804)	(0.0087)	(0.0316)	0.0279	0.0172	0.0047	0.0139	0.0001	(0.0569)

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0023	0.0006	0.0009	0.0000	0.0038
15 mph	0.0193	0.0020	0.0076	0.0023	0.0010	0.0003	0.0004	0.0000	0.0329
25 mph	-	-	-	-	0.0010	0.0003	0.0009	0.0000	0.0021
35 mph	0.0276	0.0030	0.0109	0.0030	-	-	-	-	0.0445
total	0.0469	0.0050	0.0185	0.0054	0.0042	0.0012	0.0022	0.0000	0.0834

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0023	0.0006	0.0009	0.0000	0.0038
10 mph	0.0019	0.0002	0.0008	0.0063	0.0025	0.0007	0.0009	0.0000	0.0132
15 mph	0.0184	0.0020	0.0073	0.0045	0.0019	0.0005	0.0006	0.0000	0.0352
20 mph	0.0004	0.0000	0.0002	0.0025	0.0010	0.0003	0.0009	0.0000	0.0053
25 mph	0.0051	0.0006	0.0020	0.0079	0.0039	0.0011	0.0028	0.0000	0.0234
30 mph	0.0027	0.0003	0.0011	0.0073	0.0029	0.0008	0.0019	0.0000	0.0170
35 mph	0.0249	0.0027	0.0098	0.0095	0.0029	0.0008	0.0012	0.0000	0.0519
40 mph	(0.0055)	(0.0006)	(0.0022)	0.0035	0.0019	0.0005	0.0010	0.0000	(0.0014)
45 mph	(0.0040)	(0.0004)	(0.0016)	0.0026	0.0014	0.0004	0.0007	0.0000	(0.0009)
50 mph	(0.0045)	(0.0005)	(0.0018)	0.0027	0.0015	0.0004	0.0006	0.0000	(0.0015)
55 mph	(0.0023)	(0.0002)	(0.0009)	0.0018	0.0009	0.0002	0.0002	0.0000	(0.0003)
60 mph	(0.0003)	(0.0000)	(0.0001)	0.0022	0.0010	0.0003	0.0090	0.0001	0.0120
65 mph	(0.0005)	(0.0001)	(0.0002)	0.0005	0.0002	0.0001	-	-	0.0000
70 mph	(0.0368)	(0.0040)	(0.0143)	0.0126	0.0079	0.0021	-	-	(0.0326)
total	(0.0005)	(0.0001)	0.0000	0.0639	0.0321	0.0088	0.0205	0.0002	0.1251

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0002	0.0000	0.0000	0.0002	0.0090	0.0073	0.0043	0.0245	0.0455
15 mph	0.0001	0.0000	0.0000	0.0001	0.0027	0.0023	0.0011	0.0062	0.0124
20 mph	0.0001	0.0000	0.0000	0.0001	0.0044	0.0037	0.0020	0.0085	0.0187
25 mph	0.0003	0.0000	0.0001	0.0004	0.0181	0.0153	0.0103	0.0492	0.0937
30 mph	0.0003	0.0000	0.0001	0.0004	0.0173	0.0146	0.0101	0.0484	0.0912
35 mph	0.0002	0.0000	0.0001	0.0003	0.0129	0.0108	0.0055	0.0261	0.0557
40 mph	0.0001	0.0000	0.0000	0.0001	0.0040	0.0033	0.0077	0.0368	0.0520
45 mph	0.0001	0.0000	0.0000	0.0001	0.0031	0.0026	0.0080	0.0381	0.0520
50 mph	0.0000	0.0000	0.0000	0.0001	0.0031	0.0025	0.0167	0.0789	0.1013
55 mph	0.0000	0.0000	0.0000	0.0001	0.0024	0.0020	0.0049	0.0239	0.0333
60 mph	0.0001	0.0000	0.0000	0.0001	0.0050	0.0041	0.0061	0.0292	0.0447
65 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0006	-	-	0.0013
70 mph	-	-	-	-	-	-	-	-	-
total	0.0014	0.0001	0.0003	0.0020	0.0827	0.0690	0.0767	0.3697	0.6019

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0038	0.0031	-	-	0.0068
15 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0028	0.0024	-	-	0.0051
20 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0023	0.0019	0.0046	0.0198	0.0286
25 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0038	0.0032	0.0076	0.0367	0.0513
30 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0066	0.0056	0.0142	0.0680	0.0943
35 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0135	0.0113	0.0171	0.0814	0.1230
40 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0139	0.0116	0.0198	0.0949	0.1400
45 mph	(0.0003)	(0.0000)	(0.0001)	0.0001	0.0105	0.0087	0.0187	0.0893	0.1271
50 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0116	0.0095	0.0120	0.0569	0.0899
55 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0064	0.0052	0.0077	0.0373	0.0564
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0040	0.0032	0.6717	3.1971	3.8758
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0015	0.0012	-	-	0.0027
70 mph	(0.0016)	(0.0001)	(0.0004)	0.0009	0.1030	0.0701	-	-	0.1719
total	(0.0036)	(0.0003)	(0.0009)	0.0020	0.1839	0.1371	0.7733	3.6813	4.7729

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0362	0.0262	0.0010	0.0027	0.0661
15 mph	0.0007	0.0000	0.0001	0.0001	0.0056	0.0047	0.0023	0.0122	0.0258
25 mph	-	-	-	-	0.0072	0.0061	0.0080	0.0385	0.0598
35 mph	0.0013	0.0001	0.0003	0.0002	-	-	-	-	0.0020
total	0.0020	0.0001	0.0005	0.0003	0.0490	0.0370	0.0113	0.0533	0.1536

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0362	0.0262	0.0010	0.0027	0.0661
10 mph	0.0001	0.0000	0.0000	0.0002	0.0128	0.0103	0.0043	0.0245	0.0522
15 mph	0.0006	0.0000	0.0001	0.0002	0.0112	0.0094	0.0034	0.0184	0.0434
20 mph	0.0000	0.0000	0.0000	0.0001	0.0067	0.0056	0.0065	0.0282	0.0472
25 mph	0.0002	0.0000	0.0000	0.0005	0.0291	0.0246	0.0259	0.1244	0.2048
30 mph	0.0001	0.0000	0.0000	0.0005	0.0239	0.0202	0.0243	0.1163	0.1855
35 mph	0.0012	0.0001	0.0003	0.0007	0.0264	0.0221	0.0225	0.1075	0.1808
40 mph	(0.0003)	(0.0000)	(0.0001)	0.0003	0.0179	0.0149	0.0275	0.1317	0.1920
45 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0137	0.0113	0.0266	0.1275	0.1791
50 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0147	0.0121	0.0287	0.1358	0.1912
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0089	0.0072	0.0126	0.0611	0.0897
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0002	0.0090	0.0073	0.6778	3.2263	3.9205
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0022	0.0017	-	-	0.0040
70 mph	(0.0016)	(0.0001)	(0.0004)	0.0009	0.1030	0.0701	-	-	0.1719
total	(0.0002)	(0.0001)	(0.0001)	0.0043	0.3156	0.2431	0.8613	4.1044	5.5284

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0009	0.0009
15 mph								0.0002	0.0002
20 mph								0.0004	0.0004
25 mph								0.0020	0.0020
30 mph								0.0017	0.0017
35 mph								0.0007	0.0007
40 mph								0.0008	0.0008
45 mph								0.0006	0.0006
50 mph								0.0011	0.0011
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0085	0.0085

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0010	0.0010
25 mph								0.0015	0.0015
30 mph								0.0024	0.0024
35 mph								0.0023	0.0023
40 mph								0.0021	
45 mph								0.0015	
50 mph								0.0008	
55 mph								-	
60 mph								-	
65 mph								-	
70 mph								-	
total	-	-	-	-	-	-	-	0.0072	0.0072

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0008	0.0008
15 mph								0.0005	0.0005
25 mph								0.0016	0.0016
35 mph								-	-
total	-	-	-	-	-	-	-	0.0029	0.0029

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0008	0.0008
10 mph								0.0009	0.0009
15 mph								0.0007	0.0007
20 mph								0.0014	0.0014
25 mph								0.0051	0.0051
30 mph								0.0041	0.0041
35 mph								0.0030	0.0030
40 mph								0.0029	0.0029
45 mph								0.0021	0.0021
50 mph								0.0019	0.0019
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0229	0.0229

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0385	0.0269	0.0019	0.0035	0.0708
10 mph	0.0020	0.0002	0.0008	0.0065	0.0153	0.0110	0.0052	0.0254	0.0664
15 mph	0.0190	0.0020	0.0074	0.0047	0.0131	0.0099	0.0040	0.0191	0.0793
20 mph	0.0004	0.0000	0.0002	0.0026	0.0077	0.0059	0.0075	0.0296	0.0539
25 mph	0.0053	0.0006	0.0021	0.0084	0.0330	0.0257	0.0287	0.1295	0.2333
30 mph	0.0028	0.0003	0.0011	0.0079	0.0268	0.0210	0.0262	0.1205	0.2065
35 mph	0.0261	0.0028	0.0101	0.0103	0.0293	0.0229	0.0237	0.1105	0.2357
40 mph	(0.0058)	(0.0006)	(0.0022)	0.0038	0.0198	0.0154	0.0285	0.1346	0.1935
45 mph	(0.0042)	(0.0004)	(0.0016)	0.0028	0.0151	0.0117	0.0273	0.1296	0.1803
50 mph	(0.0047)	(0.0005)	(0.0018)	0.0030	0.0162	0.0125	0.0293	0.1376	0.1915
55 mph	(0.0024)	(0.0003)	(0.0009)	0.0019	0.0098	0.0074	0.0128	0.0611	0.0894
60 mph	(0.0004)	(0.0000)	(0.0001)	0.0023	0.0100	0.0075	0.6868	3.2264	3.9325
65 mph	(0.0005)	(0.0001)	(0.0002)	0.0005	0.0025	0.0018	-	-	0.0040
70 mph	(0.0384)	(0.0041)	(0.0147)	0.0135	0.1109	0.0722	-	-	0.1394
STREX	0.0029	0.0003	0.0011	0.0045	0.0003	0.0001	0.0002	0.0000	0.0094
total	0.0023	0.0002	0.0011	0.0727	0.3481	0.2520	0.8820	4.1275	**5.6858**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0016	0.0022	0.0016	0.0017	0.0004	0.0003	0.0004	0.0009
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0029	0.0003	0.0011	0.0045	0.0003	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0029	0.0003	0.0011	0.0045	0.0003	0.0001	0.0002	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3689	0.0279	0.1380	0.3148	0.2623	0.0932	0.2146	0.0008
Diesel	0.0036	0.0000	0.0010	0.0077	0.2034	0.1667	1.0625	1.1972
Electric/NG	0.0097	0.0003	0.0021	0.0043	-	-	-	0.0657
Total	0.3822	0.0282	0.1411	0.3267	0.4657	0.2600	1.2771	1.2636

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	(1.1910)	(0.0900)	(0.4455)	0.3871	0.5513	0.1959	1.0053	0.0036
Diesel	(0.0116)	(0.0000)	(0.0032)	0.0094	0.4274	0.3504	4.9779	5.6088
Electric/NG	(0.0314)	(0.0011)	(0.0068)	0.0052	-	-	-	0.3077
Total	(1.2340)	(0.0910)	(0.4556)	0.4017	0.9787	0.5463	5.9832	5.9202

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.5191	0.0392	0.1942	0.0537	0.0319	0.0113	0.0454	0.0002
Diesel	0.0051	0.0000	0.0014	0.0013	0.0247	0.0203	0.2246	0.2530
Electric/NG	0.0137	0.0005	0.0030	0.0007	-	-	-	0.0139
Total	0.5379	0.0397	0.1986	0.0558	0.0566	0.0316	0.2699	0.2671

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	(0.3029)	(0.0229)	(0.1133)	0.7557	0.8455	0.3005	1.2652	0.0046	2.7323
Diesel	(0.0030)	(0.0000)	(0.0008)	0.0184	0.6555	0.5374	6.2650	7.0591	14.5316
Electric/NG	(0.0080)	(0.0003)	(0.0017)	0.0102	-	-	-	0.3873	0.3875
Total	(0.3139)	(0.0232)	(0.1159)	0.7842	1.5011	0.8379	7.5302	7.4509	**17.6514**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	6.3847
Internal	10.4984
Total	**16.8831**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0296	0.0207	0.0015	0.0027	0.0545
10 mph	0.0013	0.0001	0.0005	0.0042	0.0118	0.0085	0.0040	0.0195	0.0499
15 mph	0.0122	0.0013	0.0048	0.0030	0.0101	0.0076	0.0031	0.0147	0.0567
20 mph	0.0003	0.0000	0.0001	0.0017	0.0059	0.0045	0.0057	0.0228	0.0411
25 mph	0.0034	0.0004	0.0013	0.0054	0.0254	0.0198	0.0221	0.0997	0.1775
30 mph	0.0018	0.0002	0.0007	0.0050	0.0207	0.0162	0.0202	0.0928	0.1575
35 mph	0.0167	0.0018	0.0065	0.0066	0.0226	0.0176	0.0183	0.0851	0.1751
40 mph	(0.0037)	(0.0004)	(0.0014)	0.0025	0.0152	0.0119	0.0220	0.1036	0.1496
45 mph	(0.0027)	(0.0003)	(0.0010)	0.0018	0.0116	0.0090	0.0210	0.0998	0.1393
50 mph	(0.0030)	(0.0003)	(0.0012)	0.0019	0.0125	0.0096	0.0225	0.1060	0.1480
55 mph	(0.0015)	(0.0002)	(0.0006)	0.0012	0.0075	0.0057	0.0098	0.0471	0.0691
60 mph	(0.0002)	(0.0000)	(0.0001)	0.0015	0.0077	0.0058	0.5288	2.4843	3.0278
65 mph	(0.0003)	(0.0000)	(0.0001)	0.0003	0.0019	0.0014	-	-	0.0031
70 mph	(0.0246)	(0.0026)	(0.0094)	0.0086	0.0854	0.0556	-	-	0.1130
total	(0.0004)	(0.0001)	(0.0000)	0.0437	0.2678	0.1940	0.6790	3.1781	4.3620

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2024 (Net) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	1,300	2.40	0.32	0.0005	0.61	0.0019	2.48
2	L	1,828	2.40	0.32	0.0005	0.85	0.0019	3.48
3	L	1,733	2.40	0.32	0.0005	0.81	0.0019	3.30
5	L	2,803	2.40	0.32	0.0005	1.31	0.0019	5.34
6	L	5,619	2.40	0.32	0.0005	2.63	0.0019	10.70
8	L	4,188	2.40	0.32	0.0005	1.96	0.0019	7.98
11	L	(844)	2.40	0.32	0.0005	(0.39)	0.0019	(1.61)
12	L	(1,286)	2.40	0.32	0.0005	(0.60)	0.0019	(2.45)
14	L	(689)	2.40	0.32	0.0005	(0.32)	0.0019	(1.31)
18	L	728	2.40	0.32	0.0005	0.34	0.0019	1.39
19	L	3,469	2.40	0.32	0.0005	1.62	0.0019	6.61
21	L	1,782	2.40	0.32	0.0005	0.83	0.0019	3.40
24	L	4,009	2.40	0.32	0.0005	1.87	0.0019	7.64
30	L	(3,937)	2.40	0.32	0.0005	(1.84)	0.0019	(7.50)
29	L	1,885	2.40	0.32	0.0005	0.88	0.0019	3.59
31	L	(136)	2.40	0.32	0.0005	(0.06)	0.0019	(0.26)
TOTAL						10.50		42.77

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2024 (Net) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	57,576	2.40	0.032	0.0001	3.31	0.0002	13.49
Freeway	F	106,418	2.40	0.015	0.0000	3.07	0.0001	12.52
TOTAL		163,994				6.38		26.01

World Logistics Center
Mobile Emissions - 2024 (Net) - Mitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0063	0.0117	0.0093	0.0112	0.0150	0.0168	0.0282	0.2135
15 mph	0.0055	0.0101	0.0081	0.0097	0.0133	0.0148	0.0248	0.1892
20 mph	0.0050	0.0090	0.0072	0.0087	0.0121	0.0134	0.0225	0.1717
25 mph	0.0045	0.0081	0.0066	0.0079	0.0112	0.0123	0.0203	0.1586
30 mph	0.0042	0.0075	0.0061	0.0073	0.0105	0.0114	0.0185	0.1490
35 mph	0.0040	0.0071	0.0057	0.0069	0.0101	0.0108	0.0173	0.1423
40 mph	0.0038	0.0068	0.0054	0.0066	0.0097	0.0104	0.0166	0.1371
45 mph	0.0037	0.0066	0.0053	0.0064	0.0095	0.0101	0.0159	0.1342
50 mph	0.0036	0.0066	0.0052	0.0064	0.0096	0.0100	0.0159	0.1335
55 mph	0.0037	0.0068	0.0053	0.0065	0.0097	0.0101	0.0160	0.1359
60 mph	0.0038	0.0072	0.0056	0.0068	0.0101	0.0105	0.0168	0.1400
65 mph	0.0040	0.0077	0.0059	0.0072	0.0107	0.0110	0.0177	0.1457
70 mph	0.0042	0.0088	0.0061	0.0077	0.0119	0.0112	0.0185	0.1552

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0632	0.1371	0.0854	0.1064	0.1515	0.1695	0.2968	0.4488
15 mph	0.0520	0.1140	0.0708	0.0901	0.0986	0.1124	0.2336	0.3490
20 mph	0.0426	0.0936	0.0582	0.0749	0.0841	0.0960	0.1996	0.2943
25 mph	0.0357	0.0782	0.0488	0.0634	0.0746	0.0855	0.1742	0.2521
30 mph	0.0310	0.0673	0.0422	0.0549	0.0678	0.0772	0.1530	0.2212
35 mph	0.0280	0.0604	0.0381	0.0500	0.0680	0.0774	0.1366	0.1977
40 mph	0.0262	0.0563	0.0355	0.0468	0.0662	0.0747	0.1252	0.1814
45 mph	0.0253	0.0543	0.0343	0.0450	0.0646	0.0718	0.1186	0.1721
50 mph	0.0254	0.0544	0.0343	0.0453	0.0678	0.0745	0.1169	0.1688
55 mph	0.0266	0.0568	0.0359	0.0478	0.0708	0.0771	0.1203	0.1757
60 mph	0.0288	0.0616	0.0388	0.0517	0.0715	0.0773	0.1284	0.1860
65 mph	0.0324	0.0686	0.0436	0.0582	0.0726	0.0778	0.1415	0.2017
70 mph	0.0353	0.0716	0.0466	0.0637	0.0744	0.0796	0.1426	0.2041

*US EPA Emission Factors for Greenhouse Gas Inventories. (Idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.9632
15 mph								0.8083
20 mph								0.7051
25 mph								0.6491
30 mph								0.6132
35 mph								0.5847
40 mph								0.5615
45 mph								0.5420
50 mph								0.5254
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0066	0.0009	0.0036	0.0099	0.0057	0.0020	0.0062	0.0003	0.0351
15 mph	0.0023	0.0003	0.0013	0.0035	0.0020	0.0007	0.0018	0.0001	0.0119
20 mph	0.0041	0.0006	0.0023	0.0062	0.0037	0.0012	0.0033	0.0002	0.0215
25 mph	0.0188	0.0025	0.0102	0.0280	0.0169	0.0057	0.0162	0.0009	0.0993
30 mph	0.0192	0.0026	0.0104	0.0286	0.0175	0.0058	0.0135	0.0007	0.0983
35 mph	0.0148	0.0020	0.0080	0.0220	0.0137	0.0045	0.0057	0.0003	0.0710
40 mph	0.0047	0.0006	0.0025	0.0070	0.0044	0.0014	0.0061	0.0003	0.0272
45 mph	0.0038	0.0005	0.0021	0.0057	0.0036	0.0012	0.0046	0.0003	0.0217
50 mph	0.0038	0.0005	0.0020	0.0057	0.0036	0.0012	0.0075	0.0004	0.0247
55 mph	0.0030	0.0004	0.0017	0.0046	0.0029	0.0009	0.0017	0.0001	0.0155
60 mph	0.0064	0.0009	0.0035	0.0097	0.0061	0.0020	0.0018	0.0001	0.0304
65 mph	0.0008	0.0001	0.0005	0.0013	0.0008	0.0003	-	-	0.0037
70 mph	-	-	-	-	-	-	-	-	-
total	0.0884	0.0120	0.0479	0.1322	0.0808	0.0268	0.0685	0.0037	0.4604

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0042)	(0.0006)	(0.0023)	0.0024	0.0024	0.0008	-	-	(0.0015)
15 mph	(0.0037)	(0.0005)	(0.0020)	0.0021	0.0021	0.0007	-	-	(0.0013)
20 mph	(0.0033)	(0.0005)	(0.0018)	0.0019	0.0019	0.0007	0.0077	0.0004	0.0069
25 mph	(0.0061)	(0.0008)	(0.0033)	0.0034	0.0035	0.0012	0.0121	0.0006	0.0107
30 mph	(0.0113)	(0.0015)	(0.0061)	0.0064	0.0067	0.0022	0.0190	0.0010	0.0164
35 mph	(0.0239)	(0.0032)	(0.0129)	0.0135	0.0144	0.0047	0.0177	0.0010	0.0114
40 mph	(0.0254)	(0.0034)	(0.0137)	0.0144	0.0155	0.0051	0.0156	0.0009	0.0089
45 mph	(0.0197)	(0.0027)	(0.0106)	0.0112	0.0121	0.0039	0.0109	0.0006	0.0058
50 mph	(0.0219)	(0.0030)	(0.0118)	0.0125	0.0136	0.0044	0.0054	0.0003	(0.0004)
55 mph	(0.0123)	(0.0017)	(0.0067)	0.0071	0.0077	0.0025	0.0027	0.0002	(0.0005)
60 mph	(0.0077)	(0.0011)	(0.0042)	0.0045	0.0048	0.0015	0.2005	0.0113	0.2096
65 mph	(0.0027)	(0.0004)	(0.0015)	0.0016	0.0017	0.0005	-	-	(0.0007)
70 mph	(0.1285)	(0.0205)	(0.0710)	0.0772	0.0865	0.0251	-	-	(0.0312)
total	(0.2706)	(0.0400)	(0.1479)	0.1583	0.1729	0.0534	0.2916	0.0163	0.2340

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0008	0.0003	0.0004	0.0000	0.0015
15 mph	0.0306	0.0042	0.0167	0.0060	0.0042	0.0014	0.0036	0.0002	0.0669
25 mph	-	-	-	-	0.0067	0.0023	0.0127	0.0007	0.0223
35 mph	0.0940	0.0127	0.0506	0.0167	-	-	-	-	0.1739
total	0.1246	0.0169	0.0673	0.0226	0.0117	0.0040	0.0167	0.0009	0.2646

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0008	0.0003	0.0004	0.0000	0.0015
10 mph	0.0023	0.0003	0.0013	0.0123	0.0080	0.0028	0.0062	0.0003	0.0336
15 mph	0.0292	0.0040	0.0160	0.0115	0.0083	0.0028	0.0054	0.0003	0.0775
20 mph	0.0008	0.0001	0.0004	0.0081	0.0056	0.0019	0.0109	0.0006	0.0284
25 mph	0.0128	0.0017	0.0069	0.0315	0.0271	0.0091	0.0411	0.0022	0.1324
30 mph	0.0079	0.0011	0.0043	0.0350	0.0241	0.0081	0.0325	0.0018	0.1147
35 mph	0.0849	0.0114	0.0457	0.0522	0.0281	0.0093	0.0234	0.0013	0.2563
40 mph	(0.0207)	(0.0028)	(0.0111)	0.0214	0.0199	0.0065	0.0216	0.0012	0.0361
45 mph	(0.0158)	(0.0022)	(0.0085)	0.0169	0.0157	0.0051	0.0155	0.0009	0.0275
50 mph	(0.0181)	(0.0025)	(0.0098)	0.0182	0.0172	0.0055	0.0130	0.0007	0.0243
55 mph	(0.0093)	(0.0013)	(0.0050)	0.0117	0.0107	0.0034	0.0045	0.0003	0.0149
60 mph	(0.0013)	(0.0002)	(0.0007)	0.0142	0.0109	0.0035	0.2023	0.0114	0.2401
65 mph	(0.0018)	(0.0003)	(0.0010)	0.0029	0.0025	0.0008	-	-	0.0030
70 mph	(0.1285)	(0.0205)	(0.0710)	0.0772	0.0865	0.0251	-	-	(0.0312)
total	(0.0576)	(0.0111)	(0.0327)	0.3131	0.2655	0.0842	0.3768	0.0209	0.9590

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0002	0.0023	0.0431	0.0343	0.3214	0.9236	1.3256
15 mph	0.0002	0.0000	0.0001	0.0008	0.0112	0.0091	0.0844	0.2394	0.3451
20 mph	0.0003	0.0000	0.0001	0.0013	0.0191	0.0155	0.1441	0.4039	0.5844
25 mph	0.0015	0.0000	0.0006	0.0055	0.0849	0.0692	0.6919	1.9024	2.7559
30 mph	0.0014	0.0000	0.0005	0.0052	0.0849	0.0687	0.5522	1.5176	2.2306
35 mph	0.0010	0.0000	0.0004	0.0039	0.0696	0.0564	0.2220	0.6104	0.9636
40 mph	0.0003	0.0000	0.0001	0.0012	0.0226	0.0181	0.2259	0.6223	0.8907
45 mph	0.0003	0.0000	0.0001	0.0010	0.0184	0.0145	0.1712	0.4723	0.6778
50 mph	0.0003	0.0000	0.0001	0.0010	0.0193	0.0151	0.2744	0.7526	1.0627
55 mph	0.0002	0.0000	0.0001	0.0008	0.0161	0.0125	0.0651	0.1808	0.2756
60 mph	0.0005	0.0000	0.0002	0.0018	0.0325	0.0250	0.0696	0.1914	0.3209
65 mph	0.0001	0.0000	0.0000	0.0003	0.0041	0.0031	-	-	0.0076
70 mph	-	-	-	-	-	-	-	-	-
total	0.0066	0.0000	0.0025	0.0249	0.4259	0.3416	2.8223	7.8166	11.4405

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0004)	(0.0000)	(0.0002)	0.0006	0.0181	0.0144	-	-	0.0325
15 mph	(0.0003)	(0.0000)	(0.0001)	0.0005	0.0118	0.0096	-	-	0.0213
20 mph	(0.0003)	(0.0000)	(0.0001)	0.0004	0.0101	0.0082	0.3376	0.9460	1.3018
25 mph	(0.0005)	(0.0000)	(0.0002)	0.0007	0.0178	0.0145	0.5157	1.4179	1.9660
30 mph	(0.0008)	(0.0000)	(0.0003)	0.0012	0.0324	0.0263	0.7762	2.1330	2.9678
35 mph	(0.0017)	(0.0000)	(0.0006)	0.0024	0.0732	0.0592	0.6932	1.9065	2.7322
40 mph	(0.0017)	(0.0000)	(0.0006)	0.0025	0.0792	0.0635	0.5822	1.6036	2.3286
45 mph	(0.0013)	(0.0000)	(0.0005)	0.0019	0.0618	0.0488	0.4012	1.1064	1.6182
50 mph	(0.0015)	(0.0000)	(0.0006)	0.0022	0.0730	0.0570	0.1978	0.5424	0.8703
55 mph	(0.0009)	(0.0000)	(0.0003)	0.0013	0.0423	0.0328	0.1017	0.2823	0.4592
60 mph	(0.0006)	(0.0000)	(0.0002)	0.0008	0.0256	0.0197	7.6035	20.9212	28.5701
65 mph	(0.0002)	(0.0000)	(0.0001)	0.0003	0.0087	0.0066	-	-	0.0153
70 mph	(0.0107)	(0.0001)	(0.0039)	0.0155	0.4089	0.3111	-	-	0.7209
total	(0.0208)	(0.0001)	(0.0077)	0.0301	0.8628	0.6717	11.2090	30.8593	43.6042

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0002	0.0002	0.0007	0.0013	0.0024
15 mph	0.0028	0.0000	0.0011	0.0013	0.0235	0.0190	0.1658	0.4706	0.6842
25 mph	-	-	-	-	0.0338	0.0275	0.5411	1.4877	2.0900
35 mph	0.0065	0.0000	0.0025	0.0029	-	-	-	-	0.0119
total	0.0093	0.0001	0.0035	0.0043	0.0575	0.0467	0.7076	1.9596	2.7886

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0002	0.0002	0.0007	0.0013	0.0024
10 mph	0.0002	0.0000	0.0001	0.0029	0.0612	0.0487	0.3214	0.9236	1.3581
15 mph	0.0027	0.0000	0.0010	0.0026	0.0465	0.0377	0.2502	0.7100	1.0507
20 mph	0.0001	0.0000	0.0000	0.0017	0.0292	0.0237	0.4817	1.3499	1.8862
25 mph	0.0010	0.0000	0.0004	0.0061	0.1365	0.1113	1.7487	4.8080	6.8119
30 mph	0.0006	0.0000	0.0002	0.0064	0.1173	0.0950	1.3284	3.6505	5.1984
35 mph	0.0059	0.0000	0.0022	0.0092	0.1428	0.1156	0.9152	2.5169	3.7078
40 mph	(0.0014)	(0.0000)	(0.0005)	0.0037	0.1018	0.0816	0.8081	2.2260	3.2192
45 mph	(0.0011)	(0.0000)	(0.0004)	0.0029	0.0802	0.0634	0.5724	1.5787	2.2960
50 mph	(0.0012)	(0.0000)	(0.0005)	0.0031	0.0923	0.0721	0.4722	1.2950	1.9330
55 mph	(0.0007)	(0.0000)	(0.0002)	0.0021	0.0584	0.0452	0.1668	0.4631	0.7348
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0026	0.0581	0.0447	7.6731	21.1125	28.8909
65 mph	(0.0001)	(0.0000)	(0.0001)	0.0006	0.0128	0.0098	-	-	0.0229
70 mph	(0.0107)	(0.0001)	(0.0039)	0.0155	0.4089	0.3111	-	-	0.7209
total	(0.0049)	(0.0000)	(0.0017)	0.0594	1.3462	1.0600	14.7389	40.6355	57.8333

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1070	0.1070
15 mph								0.0299	0.0299
20 mph								0.0522	0.0522
25 mph								0.2645	0.2645
30 mph								0.2272	0.2272
35 mph								0.0975	0.0975
40 mph								0.1040	0.1040
45 mph								0.0803	0.0803
50 mph								0.1265	0.1265
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.0892	1.0892

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.1224	0.1224
25 mph								0.1972	0.1972
30 mph								0.3193	0.3193
35 mph								0.3045	0.3045
40 mph								0.2680	0.2680
45 mph								0.1881	0.1881
50 mph								0.0912	0.0912
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.9433	0.9433

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0002	0.0002
15 mph								0.0589	0.0589
25 mph								0.2068	0.2068
35 mph								-	-
total	-	-	-	-	-	-	-	0.2659	0.2659

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0002	0.0002
10 mph								0.1070	0.1070
15 mph								0.0888	0.0888
20 mph								0.1746	0.1746
25 mph								0.6685	0.6685
30 mph								0.5464	0.5464
35 mph								0.4019	0.4019
40 mph								0.3720	0.3720
45 mph								0.2684	0.2684
50 mph								0.2177	0.2177
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.8457	2.8457

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0011	0.0004	0.0011	0.0015	0.0041
10 mph	0.0026	0.0003	0.0014	0.0152	0.0693	0.0515	0.3276	1.0310	1.4987
15 mph	0.0319	0.0040	0.0170	0.0141	0.0548	0.0405	0.2555	0.7991	1.2170
20 mph	0.0009	0.0001	0.0005	0.0098	0.0348	0.0256	0.4926	1.5251	2.0893
25 mph	0.0137	0.0017	0.0073	0.0376	0.1636	0.1204	1.7897	5.4787	7.6128
30 mph	0.0085	0.0011	0.0045	0.0413	0.1415	0.1031	1.3609	4.1987	5.8596
35 mph	0.0908	0.0115	0.0479	0.0614	0.1709	0.1249	0.9386	2.9201	4.3659
40 mph	(0.0221)	(0.0028)	(0.0116)	0.0251	0.1216	0.0881	0.8297	2.5992	3.6273
45 mph	(0.0169)	(0.0022)	(0.0089)	0.0198	0.0959	0.0685	0.5879	1.8480	2.5920
50 mph	(0.0193)	(0.0025)	(0.0103)	0.0213	0.1095	0.0776	0.4852	1.5135	2.1750
55 mph	(0.0099)	(0.0013)	(0.0053)	0.0138	0.0691	0.0486	0.1713	0.4633	0.7497
60 mph	(0.0014)	(0.0002)	(0.0008)	0.0168	0.0691	0.0482	7.8754	21.1239	29.1310
65 mph	(0.0020)	(0.0003)	(0.0011)	0.0034	0.0153	0.0106	-	-	0.0259
70 mph	(0.1391)	(0.0206)	(0.0749)	0.0927	0.4954	0.3362	-	-	0.6896
STREX	0.0432	0.0036	0.0199	0.0822	0.0362	0.0111	0.0134	0.0000	0.2096
total	(0.0193)	(0.0075)	(0.0145)	0.4547	1.6479	1.1552	15.1290	43.5021	**61.8476**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0237	0.0266	0.0292	0.0318	0.0394	0.0393	0.0290	0.0116
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0432	0.0036	0.0199	0.0822	0.0362	0.0111	0.0134	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0432	0.0036	0.0199	0.0822	0.0362	0.0111	0.0134	0.0000

World Logistics Center
Mobile Emissions - 2024 (Net) - Mitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					2.2387	2.2538	3.3488	2.9999
10 mph	0.0090	0.0210	0.0145	0.0184	0.0201	0.0161	0.0389	0.3834
15 mph	0.0061	0.0143	0.0098	0.0124	0.0137	0.0108	0.0259	0.2553
20 mph	0.0043	0.0103	0.0069	0.0089	0.0100	0.0077	0.0184	0.1810
25 mph	0.0031	0.0077	0.0051	0.0066	0.0075	0.0058	0.0134	0.1361
30 mph	0.0024	0.0061	0.0040	0.0051	0.0060	0.0045	0.0103	0.1077
35 mph	0.0020	0.0050	0.0033	0.0042	0.0050	0.0037	0.0083	0.0902
40 mph	0.0017	0.0044	0.0029	0.0037	0.0045	0.0033	0.0073	0.0791
45 mph	0.0016	0.0040	0.0026	0.0034	0.0042	0.0030	0.0066	0.0734
50 mph	0.0015	0.0039	0.0025	0.0033	0.0041	0.0029	0.0065	0.0713
55 mph	0.0016	0.0039	0.0026	0.0033	0.0042	0.0030	0.0066	0.0736
60 mph	0.0016	0.0041	0.0027	0.0035	0.0046	0.0032	0.0072	0.0781
65 mph	0.0018	0.0045	0.0029	0.0038	0.0052	0.0037		
70 mph	0.0019	0.0054	0.0031	0.0041	0.0054	0.0035		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0235	0.1100
10 mph	0.0055	0.0234	0.0090	0.0054	0.0251	0.0252	0.0017	0.0057
15 mph	0.0029	0.0161	0.0045	0.0027	0.0132	0.0132	0.0009	0.0031
20 mph	0.0013	0.0116	0.0018	0.0011	0.0063	0.0062	0.0006	0.0017
25 mph	0.0009	0.0091	0.0011	0.0007	0.0042	0.0041	0.0005	0.0014
30 mph	0.0007	0.0076	0.0008	0.0005	0.0034	0.0033	0.0004	0.0011
35 mph	0.0005	0.0067	0.0007	0.0004	0.0028	0.0027	0.0003	0.0009
40 mph	0.0005	0.0061	0.0006	0.0004	0.0025	0.0024	0.0003	0.0008
45 mph	0.0004	0.0058	0.0005	0.0003	0.0023	0.0022	0.0003	0.0007
50 mph	0.0004	0.0058	0.0004	0.0003	0.0022	0.0020	0.0003	0.0007
55 mph	0.0004	0.0061	0.0004	0.0003	0.0021	0.0020	0.0003	0.0007
60 mph	0.0004	0.0066	0.0004	0.0003	0.0022	0.0020	0.0003	0.0008
65 mph	0.0004	0.0077	0.0004	0.0003	0.0025	0.0023		
70 mph	0.0004	0.0091	0.0004	0.0003	0.0039	0.0032		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.9869
10 mph								12.4301
15 mph								8.3804
20 mph								5.8155
25 mph								4.2732
30 mph								3.1868
35 mph								2.3817
40 mph								1.7862
45 mph								1.3477
50 mph								1.0272
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0094	0.0016	0.0056	0.0163	0.0076	0.0019	0.0085	0.0006	0.0516
15 mph	0.0025	0.0004	0.0015	0.0044	0.0021	0.0005	0.0019	0.0001	0.0135
20 mph	0.0035	0.0006	0.0022	0.0063	0.0030	0.0007	0.0027	0.0002	0.0192
25 mph	0.0131	0.0024	0.0080	0.0233	0.0114	0.0027	0.0107	0.0007	0.0723
30 mph	0.0112	0.0021	0.0069	0.0200	0.0099	0.0023	0.0075	0.0005	0.0604
35 mph	0.0075	0.0014	0.0046	0.0134	0.0068	0.0015	0.0027	0.0002	0.0383
40 mph	0.0022	0.0004	0.0013	0.0039	0.0020	0.0005	0.0027	0.0002	0.0132
45 mph	0.0017	0.0003	0.0010	0.0030	0.0016	0.0003	0.0019	0.0001	0.0100
50 mph	0.0016	0.0003	0.0010	0.0029	0.0016	0.0003	0.0031	0.0002	0.0110
55 mph	0.0013	0.0002	0.0008	0.0023	0.0013	0.0003	0.0007	0.0001	0.0070
60 mph	0.0027	0.0005	0.0017	0.0050	0.0027	0.0006	0.0008	0.0001	0.0140
65 mph	0.0004	0.0001	0.0002	0.0007	0.0004	0.0001	-	-	0.0018
70 mph	-	-	-	-	-	-	-	-	-
total	0.0570	0.0105	0.0348	0.1016	0.0504	0.0117	0.0432	0.0030	0.3122

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0061)	(0.0011)	(0.0036)	0.0040	0.0032	0.0008	-	-	(0.0028)
15 mph	(0.0041)	(0.0007)	(0.0025)	0.0027	0.0022	0.0005	-	-	(0.0018)
20 mph	(0.0029)	(0.0005)	(0.0017)	0.0019	0.0016	0.0004	0.0063	0.0004	0.0055
25 mph	(0.0042)	(0.0008)	(0.0026)	0.0029	0.0024	0.0006	0.0080	0.0005	0.0068
30 mph	(0.0066)	(0.0012)	(0.0040)	0.0045	0.0038	0.0009	0.0105	0.0007	0.0086
35 mph	(0.0121)	(0.0023)	(0.0074)	0.0083	0.0072	0.0016	0.0085	0.0006	0.0045
40 mph	(0.0116)	(0.0022)	(0.0072)	0.0080	0.0071	0.0016	0.0069	0.0005	0.0030
45 mph	(0.0086)	(0.0016)	(0.0053)	0.0059	0.0053	0.0012	0.0045	0.0003	0.0018
50 mph	(0.0093)	(0.0018)	(0.0057)	0.0064	0.0059	0.0013	0.0022	0.0002	(0.0008)
55 mph	(0.0052)	(0.0010)	(0.0032)	0.0036	0.0034	0.0007	0.0011	0.0001	(0.0005)
60 mph	(0.0033)	(0.0006)	(0.0020)	0.0023	0.0022	0.0005	0.0859	0.0063	0.0912
65 mph	(0.0012)	(0.0002)	(0.0007)	0.0008	0.0008	0.0002	-	-	(0.0003)
70 mph	(0.0596)	(0.0125)	(0.0362)	0.0413	0.0397	0.0078	-	-	(0.0195)
total	(0.1347)	(0.0267)	(0.0822)	0.0926	0.0846	0.0179	0.1340	0.0097	0.0954

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1410	0.0436	0.0985	0.0009	0.2839
15 mph	0.0334	0.0059	0.0202	0.0076	0.0043	0.0011	0.0037	0.0002	0.0765
25 mph	-	-	-	-	0.0045	0.0011	0.0084	0.0006	0.0146
35 mph	0.0474	0.0090	0.0292	0.0102	-	-	-	-	0.0958
total	0.0808	0.0150	0.0493	0.0178	0.1498	0.0457	0.1106	0.0017	0.4707

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1410	0.0436	0.0985	0.0009	0.2839
10 mph	0.0033	0.0006	0.0020	0.0204	0.0108	0.0026	0.0085	0.0006	0.0488
15 mph	0.0319	0.0057	0.0192	0.0147	0.0086	0.0021	0.0056	0.0004	0.0881
20 mph	0.0007	0.0001	0.0004	0.0082	0.0046	0.0011	0.0089	0.0006	0.0247
25 mph	0.0089	0.0016	0.0054	0.0262	0.0183	0.0043	0.0271	0.0019	0.0936
30 mph	0.0046	0.0009	0.0028	0.0245	0.0137	0.0032	0.0180	0.0013	0.0690
35 mph	0.0428	0.0082	0.0263	0.0319	0.0140	0.0032	0.0113	0.0008	0.1385
40 mph	(0.0095)	(0.0018)	(0.0058)	0.0119	0.0091	0.0020	0.0095	0.0007	0.0162
45 mph	(0.0069)	(0.0013)	(0.0042)	0.0089	0.0069	0.0015	0.0065	0.0005	0.0117
50 mph	(0.0077)	(0.0015)	(0.0047)	0.0093	0.0074	0.0016	0.0053	0.0004	0.0101
55 mph	(0.0039)	(0.0007)	(0.0024)	0.0059	0.0046	0.0010	0.0018	0.0001	0.0065
60 mph	(0.0006)	(0.0001)	(0.0004)	0.0072	0.0049	0.0011	0.0867	0.0064	0.1052
65 mph	(0.0008)	(0.0002)	(0.0005)	0.0015	0.0012	0.0003	-	-	0.0015
70 mph	(0.0596)	(0.0125)	(0.0362)	0.0413	0.0397	0.0078	-	-	(0.0195)
total	0.0032	(0.0011)	0.0020	0.2120	0.2848	0.0753	0.2877	0.0144	0.8783

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0001	0.0071	0.0051	0.0018	0.0116	0.0259
15 mph	0.0000	0.0000	0.0000	0.0000	0.0015	0.0011	0.0003	0.0021	0.0050
20 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0010	0.0005	0.0023	0.0052
25 mph	0.0000	0.0000	0.0000	0.0001	0.0048	0.0033	0.0020	0.0104	0.0206
30 mph	0.0000	0.0000	0.0000	0.0001	0.0042	0.0029	0.0015	0.0075	0.0162
35 mph	0.0000	0.0000	0.0000	0.0000	0.0029	0.0020	0.0005	0.0028	0.0083
40 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0006	0.0005	0.0026	0.0046
45 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	0.0004	0.0019	0.0033
50 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	0.0006	0.0030	0.0046
55 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	0.0001	0.0008	0.0017
60 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0002	0.0009	0.0027
65 mph	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	-	-	0.0002
70 mph	-	-	-	-	-	-	-	-	-
total	0.0002	0.0000	0.0001	0.0003	0.0257	0.0179	0.0084	0.0458	0.0984

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0030	0.0021	-	-	0.0051
15 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0016	0.0011	-	-	0.0027
20 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0007	0.0005	0.0011	0.0054	0.0077
25 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0010	0.0007	0.0015	0.0077	0.0109
30 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0016	0.0011	0.0021	0.0106	0.0154
35 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0031	0.0021	0.0017	0.0086	0.0154
40 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0030	0.0020	0.0013	0.0067	0.0130
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0022	0.0015	0.0009	0.0044	0.0089
50 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0023	0.0016	0.0004	0.0021	0.0064
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0013	0.0008	0.0002	0.0012	0.0035
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0008	0.0005	0.0189	0.0933	0.1134
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0003	0.0002	-	-	0.0005
70 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0212	0.0127	-	-	0.0338
total	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0420	0.0269	0.0280	0.1401	0.2368

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0070	0.0050	0.0034	0.0304	0.0458
15 mph	0.0002	0.0000	0.0001	0.0000	0.0031	0.0022	0.0007	0.0041	0.0104
25 mph	-	-	-	-	0.0019	0.0013	0.0016	0.0081	0.0129
35 mph	0.0001	0.0000	0.0000	0.0000	-	-	-	-	0.0002
total	0.0003	0.0000	0.0001	0.0001	0.0120	0.0085	0.0057	0.0427	0.0694

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0070	0.0050	0.0034	0.0304	0.0458
10 mph	0.0000	0.0000	0.0000	0.0001	0.0101	0.0072	0.0018	0.0116	0.0310
15 mph	0.0001	0.0000	0.0001	0.0001	0.0062	0.0044	0.0010	0.0062	0.0182
20 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0015	0.0016	0.0077	0.0129
25 mph	0.0000	0.0000	0.0000	0.0001	0.0077	0.0053	0.0051	0.0263	0.0445
30 mph	0.0000	0.0000	0.0000	0.0001	0.0058	0.0040	0.0035	0.0181	0.0316
35 mph	0.0001	0.0000	0.0000	0.0001	0.0060	0.0041	0.0022	0.0114	0.0239
40 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0038	0.0026	0.0018	0.0093	0.0176
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0028	0.0019	0.0012	0.0063	0.0123
50 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0030	0.0020	0.0010	0.0051	0.0110
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0017	0.0012	0.0004	0.0019	0.0052
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0018	0.0012	0.0190	0.0941	0.1161
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0004	0.0003	-	-	0.0007
70 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0212	0.0127	-	-	0.0338
total	0.0001	(0.0000)	0.0001	0.0006	0.0798	0.0533	0.0421	0.2286	0.4046

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1.3815	1.3815
15 mph								0.3105	0.3105
20 mph								0.4309	0.4309
25 mph								1.7414	1.7414
30 mph								1.1806	1.1806
35 mph								0.3970	0.3970
40 mph								0.3309	0.3309
45 mph								0.1997	0.1997
50 mph								0.2474	0.2474
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	6.2198	6.2198

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1.0094	1.0094
25 mph								1.2979	1.2979
30 mph								1.6593	1.6593
35 mph								1.2401	1.2401
40 mph								0.8525	0.8525
45 mph								0.4678	0.4678
50 mph								0.1783	0.1783
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.2067	5.2067

Internal Emissions Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0297	0.0297
15 mph								0.6103	0.6103
25 mph								1.3617	1.3617
35 mph								-	-
total	-	-	-	-	-	-	-	2.0017	2.0017

Total Emissions Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0297	0.0297
10 mph								1.3815	1.3815
15 mph								0.9207	0.9207
20 mph								1.4402	1.4402
25 mph								4.4010	4.4010
30 mph								2.8399	2.8399
35 mph								1.6371	1.6371
40 mph								1.1834	1.1834
45 mph								0.6675	0.6675
50 mph								0.4256	0.4256
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	14.9268	14.9268

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1480	0.0486	0.1019	0.0610	0.3594
10 mph	0.0034	0.0006	0.0020	0.0205	0.0209	0.0099	0.0103	1.3937	1.4612
15 mph	0.0320	0.0057	0.0193	0.0148	0.0148	0.0065	0.0066	0.9274	1.0271
20 mph	0.0007	0.0001	0.0004	0.0082	0.0068	0.0026	0.0105	1.4485	1.4778
25 mph	0.0089	0.0016	0.0054	0.0263	0.0260	0.0096	0.0322	4.4291	4.5392
30 mph	0.0046	0.0009	0.0028	0.0246	0.0195	0.0072	0.0215	2.8593	2.9405
35 mph	0.0429	0.0082	0.0264	0.0320	0.0200	0.0072	0.0135	1.6494	1.7995
40 mph	(0.0095)	(0.0018)	(0.0058)	0.0119	0.0130	0.0046	0.0113	1.1934	1.2172
45 mph	(0.0069)	(0.0013)	(0.0043)	0.0089	0.0097	0.0034	0.0077	0.6743	0.6915
50 mph	(0.0077)	(0.0015)	(0.0047)	0.0093	0.0104	0.0036	0.0063	0.4311	0.4468
55 mph	(0.0039)	(0.0007)	(0.0024)	0.0060	0.0064	0.0022	0.0022	0.0021	0.0117
60 mph	(0.0006)	(0.0001)	(0.0004)	0.0072	0.0067	0.0022	0.1057	0.1005	0.2213
65 mph	(0.0008)	(0.0002)	(0.0005)	0.0015	0.0017	0.0006	-	-	0.0022
70 mph	(0.0597)	(0.0125)	(0.0362)	0.0414	0.0609	0.0204	-	-	0.0142
STREX	0.0811	0.0086	0.0409	0.1854	0.0203	0.0063	0.0169	0.0000	0.3593
total	0.0843	0.0074	0.0429	0.3980	0.3849	0.1349	0.3467	15.1698	**16.5691**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0446	0.0624	0.0602	0.0718	0.0220	0.0221	0.0367	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0811	0.0086	0.0409	0.1854	0.0203	0.0063	0.0169	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0811	0.0086	0.0409	0.1854	0.0203	0.0063	0.0169	0.0000

World Logistics Center
Mobile Emissions - 2024 (Net) - Mitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,504.74	5,255.68	13,398.44	22,993.87
10 mph	482.65	562.95	595.24	732.94	1,488.07	1,711.39	3,091.19	3,740.83
15 mph	394.57	460.02	486.31	598.25	1,215.42	1,397.03	2,528.08	3,067.95
20 mph	328.16	382.63	404.46	497.62	1,010.45	1,161.59	2,099.01	2,555.46
25 mph	280.62	327.33	346.00	426.10	863.80	992.99	1,796.12	2,186.52
30 mph	249.03	290.61	307.22	378.83	766.80	881.52	1,595.79	1,939.56
35 mph	230.93	269.62	285.04	352.13	711.22	817.73	1,480.22	1,795.82
40 mph	223.80	261.28	276.20	341.31	688.55	791.71	1,432.44	1,736.46
45 mph	224.96	262.48	277.46	342.71	691.06	794.61	1,438.38	1,738.16
50 mph	231.75	270.38	285.71	353.26	711.50	817.71	1,479.66	1,786.72
55 mph	240.79	280.90	296.91	367.36	740.77	851.30	1,538.17	1,857.85
60 mph	247.98	289.57	306.35	379.51	770.68	885.63	1,599.87	1,931.49
65 mph	254.03	297.23	314.54	390.44	794.22	912.23		
70 mph	256.81	302.08	317.24	400.14	806.88	922.99		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,683.84	5,925.67	6,042.40	5,748.37
10 mph	401.79	872.05	543.39	676.97	964.08	1,078.26	1,888.07	2,854.94
15 mph	330.56	725.38	450.73	573.33	627.06	715.09	1,486.36	2,220.20
20 mph	271.16	595.76	370.26	476.23	535.01	610.50	1,269.74	1,872.51
25 mph	227.35	497.75	310.50	403.49	474.68	544.25	1,108.38	1,603.77
30 mph	196.98	428.44	268.49	349.28	431.62	491.43	973.09	1,407.29
35 mph	178.14	384.23	242.26	317.85	432.64	492.53	869.13	1,257.86
40 mph	166.71	358.02	226.08	297.51	421.36	475.15	796.24	1,154.25
45 mph	161.05	345.57	218.00	286.22	411.19	456.94	754.40	1,094.96
50 mph	161.58	345.78	218.24	287.95	431.48	474.26	743.95	1,073.70
55 mph	169.03	361.39	228.12	303.89	450.53	490.50	765.05	1,117.55
60 mph	183.30	391.68	247.15	329.03	454.60	491.79	817.10	1,183.16
65 mph	206.16	436.63	277.55	370.56	462.05	494.77		
70 mph	224.60	455.71	296.25	405.47	473.10	506.11		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,852.64
10 mph								4,724.93
15 mph								3,964.95
20 mph								3,458.99
25 mph								3,184.08
30 mph								3,007.84
35 mph								2,868.36
40 mph								2,754.21
45 mph								2,658.56
50 mph								2,577.06
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	501.55	44.18	231.40	649.98	561.53	198.37	676.13	5.52	2,868.67
15 mph	164.01	14.44	75.62	212.21	183.46	64.77	184.32	1.51	900.34
20 mph	272.81	24.02	125.79	353.03	305.04	107.71	306.08	2.51	1,497.00
25 mph	1,166.43	102.76	538.03	1,511.46	1,303.84	460.39	1,440.50	11.83	6,535.24
30 mph	1,138.66	100.36	525.50	1,478.19	1,273.16	449.58	1,163.48	9.54	6,138.48
35 mph	863.92	76.18	398.91	1,124.17	966.17	341.22	485.65	3.97	4,260.21
40 mph	279.08	24.61	128.85	363.21	311.79	110.12	522.19	4.27	1,744.12
45 mph	233.77	20.60	107.86	303.92	260.78	92.10	419.49	3.42	1,441.94
50 mph	240.83	21.22	111.07	313.28	268.49	94.78	701.23	5.71	1,756.61
55 mph	200.17	17.64	92.34	260.62	223.63	78.94	168.22	1.37	1,042.93
60 mph	412.31	36.36	190.55	538.48	465.31	164.25	174.97	1.42	1,983.66
65 mph	52.80	4.67	24.46	69.25	59.94	21.15	-	-	232.26
70 mph	-	-	-	-	-	-	-	-	-
total	5,526.34	487.05	2,550.38	7,177.82	6,183.14	2,183.37	6,242.27	51.08	30,401.47

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(323.84)	(28.53)	(149.41)	159.85	236.01	83.37	-	-	(22.55)
15 mph	(264.74)	(23.31)	(122.07)	130.47	192.77	68.06	-	-	(18.82)
20 mph	(220.18)	(19.39)	(101.52)	108.53	160.26	56.59	716.98	5.89	707.15
25 mph	(376.57)	(33.18)	(173.70)	185.85	274.00	96.75	1,073.66	8.82	1,055.64
30 mph	(668.37)	(58.91)	(308.46)	330.48	486.46	171.78	1,635.28	13.41	1,601.66
35 mph	(1,394.53)	(122.97)	(643.91)	691.16	1,015.20	358.53	1,516.85	12.41	1,432.73
40 mph	(1,501.60)	(132.41)	(693.29)	744.36	1,092.05	385.69	1,345.56	11.00	1,251.37
45 mph	(1,207.50)	(106.41)	(557.15)	597.93	876.83	309.69	982.65	8.01	904.04
50 mph	(1,399.47)	(123.32)	(645.43)	693.39	1,015.61	358.52	505.43	4.12	408.85
55 mph	(807.79)	(71.18)	(372.64)	400.58	587.44	207.36	262.71	2.14	208.63
60 mph	(499.16)	(44.02)	(230.69)	248.30	366.69	129.44	19,127.00	155.77	19,253.33
65 mph	(170.45)	(15.06)	(78.95)	85.15	125.96	44.44	-	-	(8.91)
70 mph	(7,926.19)	(704.18)	(3,663.01)	4,014.29	5,886.75	2,068.40	-	-	(323.94)
total	(16,760.38)	(1,482.87)	(7,740.24)	8,390.33	12,316.03	4,338.62	27,166.12	221.57	26,449.18

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	283.71	101.67	393.92	6.64	785.95
15 mph	2,176.15	191.63	1,003.40	365.55	384.33	135.69	362.32	2.97	4,622.04
25 mph	-	-	-	-	518.75	183.17	1,126.46	9.25	1,837.64
35 mph	5,480.16	483.25	2,530.42	850.70	-	-	-	-	9,344.52
total	7,656.31	674.87	3,533.81	1,216.25	1,186.80	420.54	1,882.71	18.86	16,590.16

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	283.71	101.67	393.92	6.64	785.95
10 mph	177.71	15.66	81.99	809.83	797.54	281.74	676.13	5.52	2,846.12
15 mph	2,075.42	182.76	956.95	708.23	760.56	268.52	546.65	4.48	5,503.56
20 mph	52.63	4.63	24.27	461.56	465.30	164.30	1,023.06	8.40	2,204.15
25 mph	789.86	69.59	364.34	1,697.32	2,096.59	740.31	3,640.62	29.90	9,428.53
30 mph	470.30	41.45	217.04	1,808.67	1,759.62	621.36	2,798.76	22.95	7,740.15
35 mph	4,949.55	436.46	2,285.41	2,666.04	1,981.38	699.75	2,002.50	16.39	15,037.46
40 mph	(1,222.52)	(107.80)	(564.44)	1,107.58	1,403.84	495.81	1,867.76	15.27	2,995.50
45 mph	(973.73)	(85.81)	(449.29)	901.85	1,137.60	401.79	1,402.14	11.43	2,345.98
50 mph	(1,158.64)	(102.10)	(534.36)	1,006.66	1,284.10	453.30	1,206.66	9.83	2,165.46
55 mph	(607.62)	(53.54)	(280.30)	661.20	811.07	286.30	430.93	3.51	1,251.56
60 mph	(86.85)	(7.66)	(40.14)	786.78	832.01	293.68	19,301.97	157.20	21,236.98
65 mph	(117.65)	(10.40)	(54.50)	154.40	185.90	65.59	-	-	223.35
70 mph	(7,926.19)	(704.18)	(3,663.01)	4,014.29	5,886.75	2,068.40	-	-	(323.94)
total	(3,577.73)	(320.94)	(1,656.04)	16,784.40	19,685.97	6,942.53	35,291.10	291.51	73,440.80

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	4.08	0.03	1.54	14.59	274.18	218.07	2,044.98	5,875.83	8,433.30
15 mph	1.34	0.01	0.51	4.94	71.33	57.85	536.63	1,523.15	2,195.77
20 mph	2.20	0.02	0.84	8.21	121.72	98.78	916.84	2,569.25	3,717.87
25 mph	9.24	0.07	3.51	34.80	539.99	440.29	4,401.82	12,102.82	17,532.53
30 mph	8.81	0.06	3.34	33.13	540.10	437.32	3,513.19	9,654.64	14,190.59
35 mph	6.52	0.05	2.46	24.67	442.94	358.61	1,412.04	3,883.27	6,130.56
40 mph	2.03	0.01	0.77	7.70	143.80	115.32	1,437.35	3,959.32	5,666.30
45 mph	1.64	0.01	0.62	6.17	116.94	92.41	1,089.47	3,004.76	4,312.01
50 mph	1.64	0.01	0.62	6.21	122.71	95.92	1,745.85	4,787.93	6,760.89
55 mph	1.37	0.01	0.52	5.24	102.50	79.36	414.32	1,150.04	1,753.36
60 mph	2.98	0.02	1.12	11.35	206.86	159.14	442.50	1,217.55	2,041.52
65 mph	0.42	0.00	0.16	1.60	26.28	20.01	-	-	48.47
70 mph	-	-	-	-	-	-	-	-	-
total	42.29	0.31	15.98	158.61	2,709.37	2,173.08	17,954.99	49,728.54	72,783.17

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	(2.64)	(0.02)	(0.99)	3.59	115.24	91.66	-	-	206.84
15 mph	(2.17)	(0.02)	(0.82)	3.04	74.95	60.78	-	-	135.77
20 mph	(1.78)	(0.01)	(0.68)	2.52	63.95	51.89	2,147.70	6,018.47	8,282.07
25 mph	(2.98)	(0.02)	(1.13)	4.28	113.48	92.53	3,280.85	9,020.72	12,507.72
30 mph	(5.17)	(0.04)	(1.96)	7.41	206.37	167.09	4,937.79	13,569.59	18,881.08
35 mph	(10.52)	(0.08)	(3.98)	15.17	465.42	376.80	4,410.28	12,128.73	17,381.82
40 mph	(10.94)	(0.08)	(4.12)	15.77	503.66	403.89	3,703.69	10,202.17	14,814.04
45 mph	(8.45)	(0.06)	(3.18)	12.14	393.20	310.73	2,552.07	7,038.64	10,295.08
50 mph	(9.54)	(0.07)	(3.58)	13.74	464.17	362.83	1,258.35	3,450.99	5,536.89
55 mph	(5.55)	(0.04)	(2.08)	8.06	269.26	208.47	647.03	1,795.97	2,921.12
60 mph	(3.61)	(0.03)	(1.35)	5.23	163.02	125.41	48,372.73	133,098.03	181,759.43
65 mph	(1.35)	(0.01)	(0.51)	1.96	55.23	42.06	-	-	97.38
70 mph	(67.80)	(0.46)	(24.86)	98.89	2,601.30	1,978.96	-	-	4,586.02
total	(132.51)	(0.93)	(49.25)	191.80	5,489.24	4,273.11	71,310.50	196,323.30	277,405.26

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	174.86	200.02	879.69	1,590.26	2,844.83
15 mph	17.83	0.13	6.76	8.52	149.44	121.19	1,054.86	2,994.10	4,352.82
25 mph	-	-	-	-	214.84	175.18	3,442.19	9,464.32	13,296.53
35 mph	41.35	0.30	15.63	18.67	-	-	-	-	75.94
total	59.18	0.43	22.39	27.18	539.14	496.39	5,376.75	14,048.68	20,570.13

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	174.86	200.02	879.69	1,590.26	2,844.83
10 mph	1.45	0.01	0.54	18.18	389.42	309.73	2,044.98	5,875.83	8,640.14
15 mph	17.01	0.12	6.45	16.50	295.72	239.82	1,591.49	4,517.25	6,684.36
20 mph	0.43	0.00	0.16	10.74	185.68	150.67	3,064.55	8,587.72	11,999.94
25 mph	6.26	0.05	2.38	39.07	868.31	707.99	11,124.87	30,587.86	43,336.79
30 mph	3.64	0.03	1.38	40.54	746.46	604.41	8,450.98	23,224.23	33,071.67
35 mph	37.34	0.27	14.12	58.50	908.37	735.41	5,822.32	16,011.99	23,588.32
40 mph	(8.91)	(0.06)	(3.36)	23.47	647.46	519.21	5,141.04	14,161.49	20,480.34
45 mph	(6.82)	(0.05)	(2.57)	18.31	510.14	403.14	3,641.54	10,043.39	14,607.09
50 mph	(7.90)	(0.06)	(2.97)	19.95	586.88	458.74	3,004.21	8,238.92	12,297.78
55 mph	(4.17)	(0.03)	(1.57)	13.30	371.76	287.83	1,061.34	2,946.01	4,674.47
60 mph	(0.63)	(0.00)	(0.24)	16.58	369.87	284.55	48,815.23	134,315.57	183,800.95
65 mph	(0.93)	(0.01)	(0.35)	3.56	81.51	62.07	-	-	145.85
70 mph	(67.80)	(0.46)	(24.86)	98.89	2,601.30	1,978.96	-	-	4,586.02
total	(31.04)	(0.19)	(10.88)	377.60	8,737.75	6,942.57	94,642.23	260,100.52	370,758.56

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								525.12	525.12
15 mph								146.89	146.89
20 mph								256.29	256.29
25 mph								1,297.54	1,297.54
30 mph								1,114.29	1,114.29
35 mph								478.18	478.18
40 mph								510.17	510.17
45 mph								393.96	393.96
50 mph								620.56	620.56
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5,342.99	5,342.99

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								600.35	600.35
25 mph								967.11	967.11
30 mph								1,566.14	1,566.14
35 mph								1,493.51	1,493.51
40 mph								1,314.57	1,314.57
45 mph								922.85	922.85
50 mph								447.28	447.28
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	4,627.11	4,627.11

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								87.43	87.43
15 mph								288.74	288.74
25 mph								1,014.67	1,014.67
35 mph								-	-
total	-	-	-	-	-	-	-	1,390.84	1,390.84

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								87.43	87.43
10 mph								525.12	525.12
15 mph								435.62	435.62
20 mph								856.63	856.63
25 mph								3,279.32	3,279.32
30 mph								2,680.43	2,680.43
35 mph								1,971.69	1,971.69
40 mph								1,824.73	1,824.73
45 mph								1,316.81	1,316.81
50 mph								1,067.84	1,067.84
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	14,045.63	14,045.63

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	458.57	301.69	1,273.62	1,684.34	3,718.22
10 mph	179.16	15.67	82.54	828.01	1,186.96	591.47	2,721.11	6,406.47	12,011.39
15 mph	2,092.43	182.88	963.40	724.73	1,056.28	508.35	2,138.13	4,957.35	12,623.55
20 mph	53.05	4.64	24.43	472.30	650.97	314.97	4,087.61	9,452.75	15,060.72
25 mph	796.12	69.63	366.71	1,736.39	2,964.91	1,448.30	14,765.49	33,897.08	56,044.64
30 mph	473.93	41.48	218.42	1,849.21	2,506.09	1,225.77	11,249.74	25,927.60	43,492.24
35 mph	4,986.89	436.73	2,299.53	2,724.54	2,889.74	1,435.16	7,824.82	18,000.08	40,597.48
40 mph	(1,231.43)	(107.86)	(567.80)	1,131.05	2,051.30	1,015.02	7,008.79	16,001.50	25,300.57
45 mph	(980.55)	(85.86)	(451.86)	920.16	1,647.75	804.93	5,043.68	11,371.63	18,269.88
50 mph	(1,166.54)	(102.15)	(537.33)	1,026.61	1,870.98	912.05	4,210.86	9,316.59	15,531.08
55 mph	(611.79)	(53.57)	(281.86)	674.50	1,182.83	574.13	1,492.27	2,949.52	5,926.03
60 mph	(87.48)	(7.66)	(40.37)	803.36	1,201.88	578.23	68,117.20	134,472.77	205,037.93
65 mph	(118.58)	(10.40)	(54.85)	157.96	267.41	127.66	-	-	369.20
70 mph	(7,994.00)	(704.64)	(3,687.88)	4,113.18	8,488.05	4,047.36	-	-	4,262.08
STREX	94.05	8.34	44.37	208.59	17.04	5.95	17.17	0.15	395.66
total	(3,514.73)	(312.79)	(1,622.54)	17,370.59	28,440.75	13,891.05	129,950.50	274,437.81	**458,640.65**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	51.76	60.76	65.27	80.75	18.54	21.07	37.29	47.77
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	94.05	8.34	44.37	208.59	17.04	5.95	17.17	0.15
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	94.05	8.34	44.37	208.59	17.04	5.95	17.17	0.15

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Net) - Mitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
23.93	804.34	277.09	5.11	7.34	72.86	55.80	136.01	7.02	17.88	21.74	46.64	5.39	75.20	19.77	554,708.15

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
4.37	146.79	50.57	0.93	1.34	13.30	10.18	24.82	1.28	3.26	3.97	8.51	0.98	13.72	3.61	101,234.24

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Net) - Mitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	1,023.56	10.34	30.91	(26,086.90)	(263.56)	(787.68)
LDT1	77.44	0.03	1.09	(1,973.66)	(0.78)	(27.83)
LDT2	383.23	2.94	7.00	(9,767.13)	(74.85)	(178.38)
MDT	1,454.20	37.37	24.58	22,262.37	572.02	376.22
LHDT1	508.97	402.22	-	12,967.28	10,247.56	-
LHDT2	155.16	282.93	-	3,952.98	7,208.24	-
MHDT	253.11	1,296.80	-	11,392.05	58,367.85	-
HHDT	1.71	2,446.65	136.03	77.11	110,121.39	6,122.58

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	11,706.72	118.27	353.48	(37,793.62)	(381.83)	(1,141.16)
LDT1	885.70	0.35	12.49	(2,859.35)	(1.13)	(40.33)
LDT2	4,383.08	33.59	80.05	(14,150.21)	(108.43)	(258.43)
MDT	9,984.80	256.56	168.74	12,277.56	315.47	207.48
LHDT1	4,180.99	3,304.08	-	8,786.29	6,943.48	-
LHDT2	1,274.54	2,324.12	-	2,678.44	4,884.12	-
MHDT	2,003.88	10,267.00	-	9,388.17	48,100.85	-
HHDT	13.56	19,370.53	1,076.97	63.55	90,750.87	5,045.61

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	7%	0%	0%
15	1%	2%	0%	0%
20	6%	6%	1%	1%
25	25%	25%	2%	2%
30	24%	20%	3%	5%
35	14%	8%	4%	6%
40	6%	7%	6%	7%
45	4%	9%	13%	5%
50	4%	11%	11%	3%
55	7%	1%	8%	1%
60	5%	4%	4%	70%
65	0%	0%	2%	0%
70	0%	0%	47%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	526.80	39.86	197.24	449.32	188.14	57.35	140.27	0.95	1,599.93
15 mph	117.07	8.86	43.83	99.85	41.81	12.75	40.08	0.27	364.51
20 mph	702.40	53.14	262.98	599.09	250.86	76.47	120.23	0.81	2,066.00
25 mph	2,926.68	221.42	1,095.77	2,496.20	1,045.25	318.64	500.97	3.39	8,608.32
30 mph	2,809.61	212.57	1,051.94	2,396.35	1,003.44	305.89	400.78	2.71	8,183.29
35 mph	1,638.94	124.00	613.63	1,397.87	585.34	178.44	160.31	1.09	4,699.61
40 mph	702.40	53.14	262.98	599.09	250.86	76.47	140.27	0.95	2,086.17
45 mph	468.27	35.43	175.32	399.39	167.24	50.98	180.35	1.22	1,478.20
50 mph	468.27	35.43	175.32	399.39	167.24	50.98	220.43	1.49	1,518.55
55 mph	819.47	62.00	306.82	698.94	292.67	89.22	20.04	0.14	2,289.28
60 mph	526.80	39.86	197.24	449.32	188.14	57.35	80.16	0.54	1,539.41
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	11,706.72	885.70	4,383.08	9,984.80	4,180.99	1,274.54	2,003.88	13.56	34,433.27

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(377.94)	(28.59)	(141.50)	122.78	87.86	26.78	93.88	0.64	(216.09)
25 mph	(566.90)	(42.89)	(212.25)	184.16	131.79	40.18	187.76	1.27	(276.88)
30 mph	(944.84)	(71.48)	(353.76)	306.94	219.66	66.96	469.41	3.18	(303.94)
35 mph	(1,511.74)	(114.37)	(566.01)	491.10	351.45	107.14	563.29	3.81	(675.33)
40 mph	(2,267.62)	(171.56)	(849.01)	736.65	527.18	160.71	657.17	4.45	(1,202.03)
45 mph	(4,913.17)	(371.72)	(1,839.53)	1,596.08	1,142.22	348.20	469.41	3.18	(3,565.33)
50 mph	(4,157.30)	(314.53)	(1,556.52)	1,350.53	966.49	294.63	281.65	1.91	(3,133.15)
55 mph	(3,023.49)	(228.75)	(1,132.02)	982.21	702.90	214.27	93.88	0.64	(2,390.35)
60 mph	(1,511.74)	(114.37)	(566.01)	491.10	351.45	107.14	6,571.72	44.48	5,373.77
65 mph	(755.87)	(57.19)	(283.00)	245.55	175.73	53.57	-	-	(621.22)
70 mph	(17,763.00)	(1,343.90)	(6,650.60)	5,770.46	4,129.56	1,258.87	-	-	(14,598.62)
total	(37,793.62)	(2,859.35)	(14,150.21)	12,277.56	8,786.29	2,678.44	9,388.17	63.55	(21,609.18)

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	34.98	10.66	16.64	0.13	62.42
15 mph	3,123.95	236.35	1,169.63	345.53	175.58	53.52	79.29	0.54	5,184.39
25 mph	-	-	-	-	423.62	129.14	321.75	2.18	876.69
35 mph	9,195.24	695.68	3,442.77	994.11	-	-	-	-	14,327.79
total	12,319.19	932.03	4,612.40	1,339.63	599.20	182.66	401.05	2.71	20,388.87

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	34.98	10.66	16.64	0.13	62.42
10 mph	526.80	39.86	197.24	449.32	188.14	57.35	140.27	0.95	1,599.93
15 mph	3,241.02	245.21	1,213.46	445.38	217.39	66.27	119.37	0.81	5,548.90
20 mph	324.47	24.55	121.48	721.86	338.72	103.26	214.11	1.45	1,849.90
25 mph	2,359.77	178.53	883.52	2,680.36	1,600.66	487.95	1,010.49	6.84	9,208.12
30 mph	1,864.77	141.08	698.18	2,703.29	1,223.09	372.85	870.18	5.89	7,879.35
35 mph	9,322.43	705.31	3,490.39	2,883.08	936.79	285.57	723.60	4.90	18,352.07
40 mph	(1,565.21)	(118.42)	(586.03)	1,335.74	778.04	237.18	797.44	5.40	884.14
45 mph	(4,444.90)	(336.29)	(1,664.20)	1,995.48	1,309.46	399.18	649.76	4.40	(2,087.13)
50 mph	(3,689.03)	(279.10)	(1,381.20)	1,749.92	1,133.73	345.61	502.07	3.40	(1,614.59)
55 mph	(2,204.02)	(166.75)	(825.20)	1,681.14	995.57	303.49	113.92	0.77	(101.07)
60 mph	(984.94)	(74.52)	(368.77)	940.42	539.60	164.49	6,651.88	45.03	6,913.18
65 mph	(755.87)	(57.19)	(283.00)	245.55	175.73	53.57	-	-	(621.22)
70 mph	(17,763.00)	(1,343.90)	(6,650.60)	5,770.46	4,129.56	1,258.87	-	-	(14,598.62)
total	(13,767.72)	(1,041.62)	(5,154.74)	23,602.00	13,566.48	4,135.64	11,793.10	79.83	33,212.97

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	5.32	0.02	1.51	11.55	148.68	104.59	718.69	1,355.94	2,346.29
15 mph	1.18	0.00	0.34	2.57	33.04	23.24	205.34	387.41	653.12
20 mph	7.10	0.02	2.02	15.39	198.24	139.45	616.02	1,162.23	2,140.47
25 mph	29.57	0.09	8.40	64.14	826.02	581.03	2,566.75	4,842.63	8,918.62
30 mph	28.39	0.08	8.06	61.57	792.98	557.79	2,053.40	3,874.11	7,376.38
35 mph	16.56	0.05	4.70	35.92	462.57	325.38	821.36	1,549.64	3,216.18
40 mph	7.10	0.02	2.02	15.39	198.24	139.45	718.69	1,355.94	2,436.84
45 mph	4.73	0.01	1.34	10.26	132.16	92.96	924.03	1,743.35	2,908.86
50 mph	4.73	0.01	1.34	10.26	132.16	92.96	1,129.37	2,130.76	3,501.61
55 mph	8.28	0.02	2.35	17.96	231.29	162.69	102.67	193.71	718.96
60 mph	5.32	0.02	1.51	11.55	148.68	104.59	410.68	774.82	1,457.16
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	118.27	0.35	33.59	256.56	3,304.08	2,324.12	10,267.00	19,370.53	35,674.49

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(3.82)	(0.01)	(1.08)	3.15	69.43	48.84	481.01	907.51	1,505.03
25 mph	(5.73)	(0.02)	(1.63)	4.73	104.15	73.26	962.02	1,815.02	2,951.81
30 mph	(9.55)	(0.03)	(2.71)	7.89	173.59	122.10	2,405.04	4,537.54	7,233.88
35 mph	(15.27)	(0.05)	(4.34)	12.62	277.74	195.36	2,886.05	5,445.05	8,797.17
40 mph	(22.91)	(0.07)	(6.51)	18.93	416.61	293.05	3,367.06	6,352.56	10,418.72
45 mph	(49.64)	(0.15)	(14.10)	41.01	902.65	634.93	2,405.04	4,537.54	8,457.30
50 mph	(42.00)	(0.12)	(11.93)	34.70	763.78	537.25	1,443.03	2,722.53	5,447.24
55 mph	(30.55)	(0.09)	(8.67)	25.24	555.48	390.73	481.01	907.51	2,320.65
60 mph	(15.27)	(0.05)	(4.34)	12.62	277.74	195.36	33,670.60	63,525.61	97,662.27
65 mph	(7.64)	(0.02)	(2.17)	6.31	138.87	97.68	-	-	233.03
70 mph	(179.46)	(0.53)	(50.96)	148.27	3,263.44	2,295.53	-	-	5,476.29
total	(381.83)	(1.13)	(108.43)	315.47	6,943.48	4,884.12	48,100.85	90,750.87	150,503.39

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	27.65	19.45	85.25	160.83	293.17
15 mph	31.56	0.09	8.96	8.88	138.75	97.60	406.27	766.51	1,458.63
25 mph	-	-	-	-	334.77	235.48	1,648.52	3,110.23	5,329.00
35 mph	92.90	0.27	26.38	25.54	-	-	-	-	145.10
total	124.46	0.37	35.34	34.42	473.52	333.08	2,054.80	3,876.74	6,932.73

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	27.65	19.45	85.25	160.83	293.17
10 mph	5.32	0.02	1.51	11.55	148.68	104.59	718.69	1,355.94	2,346.29
15 mph	32.74	0.10	9.30	11.44	171.79	120.84	611.61	1,153.92	2,111.75
20 mph	3.28	0.01	0.93	18.55	267.68	188.29	1,097.03	2,069.74	3,645.50
25 mph	23.84	0.07	6.77	68.87	1,264.94	889.77	5,177.29	9,767.88	17,199.44
30 mph	18.84	0.06	5.35	69.46	966.57	679.89	4,458.44	8,411.65	14,610.26
35 mph	94.19	0.28	26.75	74.08	740.31	520.74	3,707.41	6,994.69	12,158.45
40 mph	(15.81)	(0.05)	(4.49)	34.32	614.85	432.49	4,085.75	7,708.50	12,855.57
45 mph	(44.91)	(0.13)	(12.75)	51.27	1,034.82	727.90	3,329.07	6,280.89	11,366.16
50 mph	(37.27)	(0.11)	(10.58)	44.96	895.95	630.22	2,572.40	4,853.28	8,948.84
55 mph	(22.27)	(0.07)	(6.32)	43.20	786.76	553.42	583.68	1,101.21	3,039.61
60 mph	(9.95)	(0.03)	(2.83)	24.16	426.42	299.95	34,081.28	64,300.43	99,119.44
65 mph	(7.64)	(0.02)	(2.17)	6.31	138.87	97.68	-	-	233.03
70 mph	(179.46)	(0.53)	(50.96)	148.27	3,263.44	2,295.53	-	-	5,476.29
total	(139.10)	(0.41)	(39.50)	606.45	10,721.09	7,541.32	60,422.65	113,998.13	193,110.62

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	15.91	0.56	3.60	7.59	-	-	-	75.39	103.05
15 mph	3.53	0.12	0.80	1.69	-	-	-	21.54	27.69
20 mph	21.21	0.75	4.80	10.12	-	-	-	64.62	101.50
25 mph	88.37	3.12	20.01	42.18	-	-	-	269.24	422.93
30 mph	84.84	3.00	19.21	40.50	-	-	-	215.39	362.94
35 mph	49.49	1.75	11.21	23.62	-	-	-	86.16	172.22
40 mph	21.21	0.75	4.80	10.12	-	-	-	75.39	112.27
45 mph	14.14	0.50	3.20	6.75	-	-	-	96.93	121.52
50 mph	14.14	0.50	3.20	6.75	-	-	-	118.47	143.06
55 mph	24.74	0.87	5.60	11.81	-	-	-	10.77	53.80
60 mph	15.91	0.56	3.60	7.59	-	-	-	43.08	70.74
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	353.48	12.49	80.05	168.74	-	-	-	1,076.97	1,691.73

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(11.41)	(0.40)	(2.58)	2.07	-	-	-	50.46	38.13
25 mph	(17.12)	(0.60)	(3.88)	3.11	-	-	-	100.91	82.43
30 mph	(28.53)	(1.01)	(6.46)	5.19	-	-	-	252.28	221.47
35 mph	(45.65)	(1.61)	(10.34)	8.30	-	-	-	302.74	253.44
40 mph	(68.47)	(2.42)	(15.51)	12.45	-	-	-	353.19	279.25
45 mph	(148.35)	(5.24)	(33.60)	26.97	-	-	-	252.28	92.06
50 mph	(125.53)	(4.44)	(28.43)	22.82	-	-	-	151.37	15.80
55 mph	(91.29)	(3.23)	(20.67)	16.60	-	-	-	50.46	(48.14)
60 mph	(45.65)	(1.61)	(10.34)	8.30	-	-	-	3,531.93	3,482.63
65 mph	(22.82)	(0.81)	(5.17)	4.15	-	-	-	-	(24.65)
70 mph	(536.35)	(18.95)	(121.46)	97.52	-	-	-	-	(579.25)
total	(1,141.16)	(40.33)	(258.43)	207.48	-	-	-	5,045.61	3,813.17

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	8.94	8.94
15 mph	94.33	3.33	21.36	5.84	-	-	-	42.62	167.48
25 mph	-	-	-	-	-	-	-	172.92	172.92
35 mph	277.65	9.81	62.88	16.80	-	-	-	-	367.13
total	371.97	13.14	84.24	22.64	-	-	-	215.54	707.54

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	8.94	8.94
10 mph	15.91	0.56	3.60	7.59	-	-	-	75.39	103.05
15 mph	97.86	3.46	22.16	7.53	-	-	-	64.16	195.16
20 mph	9.80	0.35	2.22	12.20	-	-	-	115.07	139.64
25 mph	71.25	2.52	16.14	45.30	-	-	-	543.08	678.28
30 mph	56.31	1.99	12.75	45.68	-	-	-	467.67	584.41
35 mph	281.49	9.95	63.75	48.72	-	-	-	388.89	792.80
40 mph	(47.26)	(1.67)	(10.70)	22.57	-	-	-	428.58	391.52
45 mph	(134.21)	(4.74)	(30.39)	33.72	-	-	-	349.21	213.58
50 mph	(111.39)	(3.94)	(25.23)	29.57	-	-	-	269.84	158.86
55 mph	(66.55)	(2.35)	(15.07)	28.41	-	-	-	61.23	5.66
60 mph	(29.74)	(1.05)	(6.74)	15.89	-	-	-	3,575.00	3,553.37
65 mph	(22.82)	(0.81)	(5.17)	4.15	-	-	-	-	(24.65)
70 mph	(536.35)	(18.95)	(121.46)	97.52	-	-	-	-	(579.25)
total	532.61	18.82	120.62	167.02	-	-	-	1,654.27	6,212.44

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Net) - Mitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	747	417	330	0	2085.6	1648.2	0.0
	LHDT2	5	359	127	232	0	635.8	1159.3	0.0
	MHDT	5	1143	187	957	0	933.5	4782.7	0.0
	HHDT	5	1906	1	1805	100	6.3	9023.4	501.7
Travel at Light Logistics	LHDT1	5	1	1	1	0	3.4	2.7	0.0
	LHDT2	5	1	0	0	0	1.0	1.9	0.0
	MHDT	5	2	0	1	0	1.2	6.3	0.0
	HHDT	5	3	0	2	0	0.0	11.8	0.7
Travel at Utility	LHDT1	5	4	2	2	0	9.9	7.9	0.0
	LHDT2	5	2	1	1	0	3.0	5.5	0.0
	MHDT	5	7	1	6	0	5.5	28.4	0.0
	HHDT	5	11	0	11	1	0.0	53.6	3.0
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	71	12	59	0	58.1	297.5	0.0
	HHDT	5	119	0	112	6	0.4	561.3	31.2
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	35.0	10.7	16.6	0.1
Diesel	27.6	19.4	85.2	160.8
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	8.9

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Net) - Mitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	15280	330	0.21	3208.9	3084.6	31.2	93.1
	LDT1	15	1127	330	0.21	236.8	233.4	0.1	3.3
	LDT2	15	5642	330	0.21	1184.8	1154.9	8.8	21.1
	MDT	15	1700	330	0.21	357.0	342.4	8.8	5.8
	LHDT1	15	1494	330	0.21	313.6	175.2	138.4	0.0
	LHDT2	15	718	330	0.21	150.8	53.4	97.4	0.0
	MHDT	15	2286	330	0.21	480.2	78.4	401.7	0.0
	HHDT	15	3813	330	0.21	800.6	0.5	758.0	42.1
Travel at Light Logistics	LDA	15	45	175	0.11	4.9	4.7	0.0	0.1
	LDT1	15	3	175	0.11	0.4	0.4	0.0	0.0
	LDT2	15	16	175	0.11	1.8	1.8	0.0	0.0
	MDT	15	4	175	0.11	0.5	0.4	0.0	0.0
	LHDT1	15	2	175	0.11	0.3	0.1	0.1	0.0
	LHDT2	15	1	175	0.11	0.1	0.0	0.1	0.0
	MHDT	15	3	175	0.11	0.3	0.1	0.3	0.0
	HHDT	15	5	175	0.11	0.6	0.0	0.5	0.0
Travel at Utility	LDA	15	219	100	0.06	13.1	12.6	0.1	0.4
	LDT1	15	16	100	0.06	1.0	1.0	0.0	0.0
	LDT2	15	81	100	0.06	4.9	4.7	0.0	0.1
	MDT	15	47	100	0.06	2.8	2.7	0.1	0.0
	LHDT1	15	7	100	0.06	0.4	0.2	0.2	0.0
	LHDT2	15	3	100	0.06	0.2	0.1	0.1	0.0
	MHDT	15	14	100	0.06	0.8	0.1	0.7	0.0
	HHDT	15	23	100	0.06	1.4	0.0	1.3	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	142	50	0.03	4.3	0.7	3.6	0.0
	HHDT	15	237	50	0.03	7.1	0.0	6.7	0.4
Travel at Convenience Store	LDA	15	669	50	0.03	20.1	19.3	0.2	0.6
	LDT1	15	49	50	0.03	1.5	1.5	0.0	0.0
	LDT2	15	247	50	0.03	7.4	7.2	0.1	0.1
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	95	50	0.03	2.8	2.7	0.0	0.1
	LDT1	15	7	50	0.03	0.2	0.2	0.0	0.0
	LDT2	15	35	50	0.03	1.1	1.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	3123.9	236.3	1169.6	345.5	175.6	53.5	79.3	0.5
Diesel	31.6	0.1	9.0	8.9	138.8	97.6	406.3	766.5
Electric/Natural Gas (HHDT Only)	94.3	3.3	21.4	5.8	0.0	0.0	0.0	42.6

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Net) - Mitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					16.5775	16.7147	27.0246	11.9128
10 mph	0.0266	0.0724	0.0480	0.0606	0.0762	0.0552	0.1335	1.5332
15 mph	0.0179	0.0493	0.0324	0.0409	0.0522	0.0374	0.0896	1.0155
20 mph	0.0126	0.0355	0.0231	0.0291	0.0384	0.0268	0.0638	0.7219
25 mph	0.0093	0.0266	0.0171	0.0216	0.0291	0.0199	0.0467	0.5364
30 mph	0.0072	0.0210	0.0133	0.0169	0.0232	0.0156	0.0358	0.4214
35 mph	0.0059	0.0174	0.0109	0.0138	0.0196	0.0129	0.0291	0.3503
40 mph	0.0051	0.0152	0.0095	0.0120	0.0175	0.0114	0.0255	0.3071
45 mph	0.0047	0.0139	0.0087	0.0111	0.0164	0.0105	0.0232	0.2830
50 mph	0.0045	0.0134	0.0083	0.0106	0.0161	0.0102	0.0224	0.2742
55 mph	0.0045	0.0134	0.0084	0.0108	0.0167	0.0104	0.0231	0.2811
60 mph	0.0048	0.0139	0.0088	0.0113	0.0179	0.0112	0.0248	0.3007
65 mph	0.0053	0.0152	0.0096	0.0125	0.0205	0.0127		
70 mph	0.0055	0.0181	0.0100	0.0135	0.0212	0.0119		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5054	2.3680
10 mph	0.1088	0.4774	0.1930	0.1109	0.5417	0.5436	0.0324	0.0835
15 mph	0.0556	0.3253	0.0948	0.0549	0.2798	0.2797	0.0180	0.0457
20 mph	0.0242	0.2328	0.0375	0.0224	0.1282	0.1266	0.0122	0.0282
25 mph	0.0155	0.1827	0.0227	0.0140	0.0845	0.0830	0.0096	0.0234
30 mph	0.0120	0.1522	0.0172	0.0107	0.0669	0.0653	0.0078	0.0189
35 mph	0.0097	0.1331	0.0138	0.0087	0.0564	0.0545	0.0064	0.0156
40 mph	0.0082	0.1214	0.0114	0.0073	0.0493	0.0473	0.0055	0.0134
45 mph	0.0072	0.1154	0.0097	0.0063	0.0444	0.0424	0.0050	0.0124
50 mph	0.0066	0.1152	0.0085	0.0056	0.0419	0.0398	0.0051	0.0124
55 mph	0.0062	0.1205	0.0076	0.0051	0.0403	0.0381	0.0056	0.0138
60 mph	0.0062	0.1313	0.0072	0.0050	0.0411	0.0387	0.0065	0.0160
65 mph	0.0065	0.1510	0.0073	0.0052	0.0472	0.0439		
70 mph	0.0066	0.1780	0.0076	0.0058	0.0761	0.0645		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0769
10 mph								0.6514
15 mph								0.4069
20 mph								0.2600
25 mph								0.1922
30 mph								0.1469
35 mph								0.1129
40 mph								0.0875
45 mph								0.0689
50 mph								0.0555
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0309	0.0064	0.0209	0.0600	0.0316	0.0070	0.0413	0.0032	0.2013
15 mph	0.0046	0.0010	0.0031	0.0090	0.0048	0.0010	0.0079	0.0006	0.0321
20 mph	0.0196	0.0042	0.0134	0.0384	0.0212	0.0045	0.0169	0.0013	0.1195
25 mph	0.0600	0.0130	0.0413	0.1189	0.0670	0.0140	0.0516	0.0040	0.3698
30 mph	0.0446	0.0098	0.0309	0.0891	0.0513	0.0105	0.0316	0.0025	0.2704
35 mph	0.0212	0.0047	0.0147	0.0426	0.0253	0.0051	0.0103	0.0008	0.1248
40 mph	0.0079	0.0018	0.0055	0.0159	0.0097	0.0019	0.0079	0.0006	0.0511
45 mph	0.0048	0.0011	0.0034	0.0097	0.0060	0.0012	0.0092	0.0008	0.0362
50 mph	0.0046	0.0010	0.0032	0.0094	0.0059	0.0011	0.0109	0.0009	0.0371
55 mph	0.0082	0.0018	0.0057	0.0166	0.0108	0.0021	0.0010	0.0001	0.0463
60 mph	0.0056	0.0012	0.0038	0.0112	0.0074	0.0014	0.0044	0.0004	0.0354
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.2120	0.0460	0.1458	0.4210	0.2411	0.0499	0.1930	0.0152	1.3240

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0105)	(0.0022)	(0.0072)	0.0079	0.0074	0.0016	0.0132	0.0010	0.0112
25 mph	(0.0116)	(0.0025)	(0.0080)	0.0088	0.0085	0.0018	0.0193	0.0015	0.0177
30 mph	(0.0150)	(0.0033)	(0.0104)	0.0114	0.0112	0.0023	0.0371	0.0030	0.0363
35 mph	(0.0195)	(0.0044)	(0.0136)	0.0150	0.0152	0.0030	0.0362	0.0029	0.0348
40 mph	(0.0254)	(0.0057)	(0.0177)	0.0195	0.0203	0.0040	0.0369	0.0030	0.0350
45 mph	(0.0506)	(0.0114)	(0.0352)	0.0389	0.0413	0.0081	0.0240	0.0020	0.0171
50 mph	(0.0412)	(0.0093)	(0.0285)	0.0317	0.0343	0.0066	0.0139	0.0012	0.0087
55 mph	(0.0303)	(0.0068)	(0.0209)	0.0233	0.0259	0.0049	0.0048	0.0004	0.0013
60 mph	(0.0160)	(0.0035)	(0.0109)	0.0123	0.0139	0.0026	0.3594	0.0295	0.3872
65 mph	(0.0088)	(0.0019)	(0.0060)	0.0067	0.0079	0.0015	-	-	(0.0005)
70 mph	(0.2165)	(0.0537)	(0.1471)	0.1715	0.1931	0.0330	-	-	(0.0197)
total	(0.4455)	(0.1047)	(0.3055)	0.3471	0.3790	0.0694	0.5448	0.0445	0.5291

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.2787	0.3930	0.9915	0.0035	2.6667
15 mph	0.1234	0.0257	0.0836	0.0312	0.0202	0.0044	0.0157	0.0012	0.3054
25 mph	-	-	-	-	0.0272	0.0057	0.0331	0.0026	0.0685
35 mph	0.1188	0.0266	0.0826	0.0303	-	-	-	-	0.2584
total	0.2422	0.0523	0.1663	0.0615	1.3261	0.4031	1.0402	0.0073	3.2990

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.2787	0.3930	0.9915	0.0035	2.6667
10 mph	0.0309	0.0064	0.0209	0.0600	0.0316	0.0070	0.0413	0.0032	0.2013
15 mph	0.1280	0.0267	0.0868	0.0402	0.0250	0.0055	0.0236	0.0018	0.3375
20 mph	0.0090	0.0019	0.0062	0.0463	0.0287	0.0061	0.0301	0.0023	0.1306
25 mph	0.0484	0.0105	0.0333	0.1277	0.1026	0.0215	0.1040	0.0081	0.4560
30 mph	0.0296	0.0065	0.0205	0.1005	0.0625	0.0128	0.0687	0.0055	0.3066
35 mph	0.1204	0.0270	0.0837	0.0879	0.0404	0.0081	0.0465	0.0038	0.4180
40 mph	(0.0175)	(0.0040)	(0.0122)	0.0354	0.0300	0.0059	0.0448	0.0037	0.0862
45 mph	(0.0458)	(0.0103)	(0.0318)	0.0486	0.0474	0.0092	0.0332	0.0027	0.0533
50 mph	(0.0366)	(0.0082)	(0.0253)	0.0411	0.0402	0.0077	0.0248	0.0021	0.0458
55 mph	(0.0221)	(0.0049)	(0.0153)	0.0399	0.0367	0.0070	0.0058	0.0005	0.0476
60 mph	(0.0104)	(0.0023)	(0.0071)	0.0235	0.0213	0.0041	0.3638	0.0299	0.4226
65 mph	(0.0088)	(0.0019)	(0.0060)	0.0067	0.0079	0.0015	-	-	(0.0005)
70 mph	(0.2165)	(0.0537)	(0.1471)	0.1715	0.1931	0.0330	-	-	(0.0197)
total	0.0087	(0.0063)	0.0066	0.8295	1.9462	0.5224	1.7780	0.0670	5.1521

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0013	0.0000	0.0006	0.0028	0.1776	0.1254	0.0513	0.2498	0.6088
15 mph	0.0001	0.0000	0.0001	0.0003	0.0204	0.0143	0.0081	0.0391	0.0824
20 mph	0.0004	0.0000	0.0002	0.0008	0.0560	0.0389	0.0166	0.0724	0.1852
25 mph	0.0010	0.0000	0.0004	0.0020	0.1540	0.1063	0.0543	0.2499	0.5679
30 mph	0.0007	0.0000	0.0003	0.0015	0.1171	0.0803	0.0352	0.1616	0.3967
35 mph	0.0004	0.0000	0.0001	0.0007	0.0575	0.0391	0.0116	0.0533	0.1626
40 mph	0.0001	0.0000	0.0001	0.0002	0.0215	0.0145	0.0087	0.0401	0.0853
45 mph	0.0001	0.0000	0.0000	0.0001	0.0129	0.0087	0.0103	0.0475	0.0797
50 mph	0.0001	0.0000	0.0000	0.0001	0.0122	0.0082	0.0126	0.0581	0.0913
55 mph	0.0001	0.0000	0.0000	0.0002	0.0206	0.0137	0.0013	0.0059	0.0418
60 mph	0.0001	0.0000	0.0000	0.0001	0.0135	0.0089	0.0059	0.0273	0.0558
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0044	0.0001	0.0019	0.0089	0.6633	0.4584	0.2159	1.0049	2.3577

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0196	0.0136	0.0130	0.0565	0.1026
25 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0194	0.0134	0.0204	0.0937	0.1467
30 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0256	0.0176	0.0412	0.1893	0.2735
35 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0345	0.0235	0.0407	0.1872	0.2856
40 mph	(0.0004)	(0.0000)	(0.0002)	0.0003	0.0453	0.0306	0.0408	0.1879	0.3042
45 mph	(0.0008)	(0.0000)	(0.0003)	0.0006	0.0884	0.0594	0.0268	0.1237	0.2978
50 mph	(0.0006)	(0.0000)	(0.0002)	0.0004	0.0706	0.0471	0.0162	0.0742	0.2077
55 mph	(0.0004)	(0.0000)	(0.0001)	0.0003	0.0494	0.0329	0.0059	0.0275	0.1154
60 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0252	0.0167	0.4847	2.2375	2.7639
65 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0145	0.0095	-	-	0.0238
70 mph	(0.0026)	(0.0002)	(0.0009)	0.0019	0.5475	0.3265	-	-	0.8721
total	(0.0061)	(0.0004)	(0.0022)	0.0044	0.9400	0.5906	0.6895	3.1775	5.3933

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1934	0.1361	0.0950	0.8398	1.2643
15 mph	0.0039	0.0001	0.0019	0.0011	0.0856	0.0602	0.0161	0.0773	0.2460
25 mph	-	-	-	-	0.0624	0.0431	0.0349	0.1605	0.3009
35 mph	0.0020	0.0001	0.0008	0.0005	-	-	-	-	0.0033
total	0.0058	0.0001	0.0027	0.0016	0.3414	0.2393	0.1460	1.0775	1.8145

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1934	0.1361	0.0950	0.8398	1.2643
10 mph	0.0013	0.0000	0.0006	0.0028	0.1776	0.1254	0.0513	0.2498	0.6088
15 mph	0.0040	0.0001	0.0019	0.0014	0.1060	0.0745	0.0243	0.1163	0.3285
20 mph	0.0002	0.0000	0.0001	0.0009	0.0757	0.0526	0.0296	0.1289	0.2878
25 mph	0.0008	0.0000	0.0003	0.0021	0.2358	0.1628	0.1096	0.5040	1.0155
30 mph	0.0005	0.0000	0.0002	0.0016	0.1427	0.0979	0.0763	0.3509	0.6701
35 mph	0.0020	0.0001	0.0008	0.0014	0.0920	0.0626	0.0523	0.2405	0.4516
40 mph	(0.0003)	(0.0000)	(0.0001)	0.0006	0.0668	0.0451	0.0494	0.2280	0.3895
45 mph	(0.0007)	(0.0000)	(0.0003)	0.0007	0.1014	0.0681	0.0371	0.1713	0.3775
50 mph	(0.0005)	(0.0000)	(0.0002)	0.0006	0.0828	0.0553	0.0288	0.1323	0.2990
55 mph	(0.0003)	(0.0000)	(0.0001)	0.0005	0.0700	0.0466	0.0072	0.0334	0.1572
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0003	0.0386	0.0256	0.4906	2.2648	2.8197
65 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0145	0.0095	-	-	0.0238
70 mph	(0.0026)	(0.0002)	(0.0009)	0.0019	0.5475	0.3265	-	-	0.8721
total	0.0041	(0.0001)	0.0024	0.0148	1.9447	1.2883	1.0513	5.2599	9.5655

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1083	0.1083
15 mph								0.0193	0.0193
20 mph								0.0371	0.0371
25 mph								0.1141	0.1141
30 mph								0.0698	0.0698
35 mph								0.0214	0.0214
40 mph								0.0145	0.0145
45 mph								0.0147	0.0147
50 mph								0.0145	0.0145
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.4137	0.4137

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0289	0.0289
25 mph								0.0428	0.0428
30 mph								0.0817	0.0817
35 mph								0.0754	0.0754
40 mph								0.0682	0.0682
45 mph								0.0383	0.0383
50 mph								0.0185	0.0185
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.2288	0.2288

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0015	0.0015
15 mph								0.0382	0.0382
25 mph								0.0733	0.0733
35 mph								-	-
total	-	-	-	-	-	-	-	0.1130	0.1130

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0015	0.0015
10 mph								0.1083	0.1083
15 mph								0.0576	0.0576
20 mph								0.0660	0.0660
25 mph								0.2301	0.2301
30 mph								0.1515	0.1515
35 mph								0.0968	0.0968
40 mph								0.0827	0.0827
45 mph								0.0530	0.0530
50 mph								0.0330	0.0330
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.8805	0.8805

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2808	0.7353	0.4851	0.5389	0.8360	0.7130	0.4357	0.6079
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS HOTSOAK (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.6337	0.1256	0.4099	1.7281	0.9382	0.2439	0.2432	0.0023
Electric/NG	-	-	-	-	-	-	-	-
Total	**0.6337**	**0.1256**	**0.4099**	**1.7281**	**0.9382**	**0.2439**	**0.2432**	**0.0023**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.4041	0.8944	0.6467	0.7821	0.0815	0.0743	0.0570	0.0897
Electric/NG	0.0314	0.0313	0.0313	0.0314	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.4560	0.0764	0.2732	1.2538	0.0457	0.0127	0.0159	0.0002
Electric/NG	0.0011	0.0000	0.0002	0.0009	-	-	-	-
Total	0.4570	0.0764	0.2735	1.2547	0.0457	0.0127	0.0159	0.0002

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1731	0.2647	0.2461	0.3063	0.0997	0.1004	0.1800	0.0016
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3906	0.0452	0.2080	0.9822	0.1119	0.0343	0.1005	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.3906	0.0452	0.2080	0.9822	0.1119	0.0343	0.1005	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.4722	0.5291	1.0865	0.8448	3.9325
10 mph	0.0322	0.0064	0.0215	0.0628	0.2092	0.1324	0.0925	0.3613	0.9184
15 mph	0.1321	0.0267	0.0887	0.0416	0.1310	0.0800	0.0478	0.1757	0.7236
20 mph	0.0092	0.0019	0.0063	0.0472	0.1043	0.0587	0.0597	0.1972	0.4844
25 mph	0.0492	0.0105	0.0336	0.1298	0.3385	0.1842	0.2136	0.7423	1.7017
30 mph	0.0301	0.0065	0.0207	0.1022	0.2052	0.1108	0.1450	0.5078	1.1283
35 mph	0.1224	0.0271	0.0846	0.0894	0.1324	0.0707	0.0988	0.3410	0.9664
40 mph	(0.0178)	(0.0040)	(0.0123)	0.0360	0.0968	0.0511	0.0942	0.3144	0.5584
45 mph	(0.0465)	(0.0103)	(0.0321)	0.0494	0.1487	0.0774	0.0702	0.2270	0.4838
50 mph	(0.0371)	(0.0082)	(0.0255)	0.0416	0.1230	0.0630	0.0536	0.1674	0.3778
55 mph	(0.0224)	(0.0050)	(0.0154)	0.0404	0.1066	0.0535	0.0130	0.0339	0.2047
60 mph	(0.0105)	(0.0023)	(0.0072)	0.0237	0.0599	0.0297	0.8544	2.2947	3.2423
65 mph	(0.0089)	(0.0019)	(0.0060)	0.0068	0.0224	0.0110	-	-	0.0233
70 mph	(0.2191)	(0.0539)	(0.1479)	0.1734	0.7405	0.3594	-	-	0.8525
RL + HS	0.6337	0.1256	0.4099	1.7281	0.9382	0.2439	0.2432	0.0023	4.3249
RL + DIURN	0.4570	0.0764	0.2735	1.2547	0.0457	0.0127	0.0159	-	2.1359
STREX	0.3906	0.0452	0.2080	0.9822	0.1119	0.0343	0.1005	0.0000	1.8728
total	1.4942	0.2408	0.9003	4.8093	4.9867	2.1017	3.1889	6.2097	**23.9317**

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Net) - Mitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.4463	1.4572	2.4017	27.6978
10 mph	0.0434	0.1235	0.0890	0.1099	0.1981	0.2141	0.3957	4.9533
15 mph	0.0383	0.1062	0.0775	0.0957	0.1754	0.1883	0.3520	4.3850
20 mph	0.0343	0.0938	0.0690	0.0854	0.1626	0.1713	0.3200	4.0179
25 mph	0.0311	0.0841	0.0620	0.0771	0.1507	0.1567	0.2890	3.7078
30 mph	0.0287	0.0772	0.0570	0.0711	0.1428	0.1462	0.2641	3.4903
35 mph	0.0268	0.0724	0.0532	0.0668	0.1378	0.1387	0.2463	3.3446
40 mph	0.0256	0.0693	0.0508	0.0639	0.1342	0.1333	0.2361	3.2388
45 mph	0.0248	0.0677	0.0494	0.0622	0.1321	0.1298	0.2272	3.1736
50 mph	0.0245	0.0681	0.0490	0.0620	0.1326	0.1283	0.2248	3.1575
55 mph	0.0249	0.0706	0.0503	0.0635	0.1362	0.1308	0.2293	3.2214
60 mph	0.0260	0.0753	0.0530	0.0669	0.1413	0.1357	0.2377	3.3288
65 mph	0.0271	0.0811	0.0558	0.0708	0.1493	0.1424		
70 mph	0.0277	0.0922	0.0571	0.0755	0.1675	0.1433		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					48.7866	49.0431	29.2587	28.0138
10 mph	0.0889	0.7076	0.1266	0.0853	0.8978	0.8482	4.9740	10.6520
15 mph	0.0668	0.7240	0.0862	0.0603	0.7735	0.7362	3.5063	7.4733
20 mph	0.0513	0.7461	0.0584	0.0436	0.7710	0.7215	2.7906	5.2490
25 mph	0.0444	0.7698	0.0457	0.0364	0.7733	0.7185	2.1783	4.4312
30 mph	0.0408	0.7958	0.0390	0.0330	0.8128	0.7466	1.6295	3.3165
35 mph	0.0383	0.8211	0.0347	0.0312	0.8786	0.7937	1.1926	2.4332
40 mph	0.0371	0.8525	0.0316	0.0298	0.9349	0.8364	0.8670	1.7854
45 mph	0.0367	0.8875	0.0294	0.0287	0.9745	0.8689	0.6547	1.3666
50 mph	0.0367	0.9207	0.0278	0.0284	1.0323	0.9174	0.5572	1.1615
55 mph	0.0366	0.9595	0.0265	0.0281	1.0540	0.9408	0.5730	1.2529
60 mph	0.0374	0.9959	0.0261	0.0283	1.0710	0.9554	0.7032	1.4996
65 mph	0.0375	1.0203	0.0265	0.0295	1.2082	1.0666		
70 mph	0.0394	1.0094	0.0292	0.0358	2.1949	1.7651		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								34.1590
10 mph								3.8454
15 mph								2.8728
20 mph								2.2584
25 mph								1.9545
30 mph								1.7731
35 mph								1.6393
40 mph								1.5381
45 mph								1.4617
50 mph								1.4057
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0505	0.0109	0.0387	0.1089	0.0822	0.0271	0.1224	0.0104	0.4510
15 mph	0.0099	0.0021	0.0075	0.0211	0.0162	0.0053	0.0311	0.0026	0.0957
20 mph	0.0531	0.0110	0.0400	0.1129	0.0899	0.0289	0.0848	0.0072	0.4279
25 mph	0.2005	0.0410	0.1499	0.4246	0.3474	0.1101	0.3192	0.0277	1.6205
30 mph	0.1775	0.0362	0.1322	0.3759	0.3159	0.0986	0.2334	0.0209	1.3905
35 mph	0.0970	0.0198	0.0720	0.2059	0.1779	0.0546	0.0870	0.0080	0.7222
40 mph	0.0396	0.0081	0.0294	0.0844	0.0742	0.0225	0.0730	0.0068	0.3381
45 mph	0.0256	0.0053	0.0191	0.0548	0.0487	0.0146	0.0903	0.0085	0.2670
50 mph	0.0253	0.0053	0.0190	0.0546	0.0489	0.0144	0.1093	0.0104	0.2871
55 mph	0.0450	0.0097	0.0340	0.0979	0.0879	0.0257	0.0101	0.0010	0.3113
60 mph	0.0302	0.0066	0.0230	0.0663	0.0586	0.0172	0.0420	0.0040	0.2479
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.7541	0.1559	0.5649	1.6071	1.3478	0.4190	1.2028	0.1075	6.1591

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0286)	(0.0059)	(0.0215)	0.0231	0.0315	0.0101	0.0662	0.0056	0.0806
25 mph	(0.0388)	(0.0079)	(0.0290)	0.0313	0.0438	0.0139	0.1197	0.0104	0.1432
30 mph	(0.0597)	(0.0122)	(0.0444)	0.0481	0.0691	0.0216	0.2734	0.0245	0.3204
35 mph	(0.0895)	(0.0183)	(0.0664)	0.0723	0.1068	0.0328	0.3059	0.0281	0.3718
40 mph	(0.1279)	(0.0262)	(0.0950)	0.1038	0.1560	0.0472	0.3421	0.0318	0.4317
45 mph	(0.2688)	(0.0555)	(0.2003)	0.2189	0.3326	0.0996	0.2351	0.0222	0.3839
50 mph	(0.2248)	(0.0472)	(0.1683)	0.1845	0.2826	0.0834	0.1396	0.0133	0.2630
55 mph	(0.1659)	(0.0356)	(0.1256)	0.1376	0.2111	0.0618	0.0475	0.0045	0.1354
60 mph	(0.0865)	(0.0190)	(0.0661)	0.0724	0.1095	0.0321	3.4449	0.3265	3.8137
65 mph	(0.0451)	(0.0102)	(0.0348)	0.0383	0.0578	0.0168	-	-	0.0228
70 mph	(1.0853)	(0.2733)	(0.8379)	0.9609	1.5255	0.3978	-	-	0.6878
total	(2.2211)	(0.5114)	(1.6895)	1.8913	2.9264	0.8171	4.9744	0.4669	6.6543

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1116	0.0343	0.0881	0.0081	0.2421
15 mph	0.2636	0.0553	0.1998	0.0729	0.0679	0.0222	0.0615	0.0052	0.7486
25 mph	-	-	-	-	0.1408	0.0446	0.2050	0.0178	0.4083
35 mph	0.5441	0.1111	0.4040	0.1464	-	-	-	-	1.2056
total	0.8077	0.1664	0.6039	0.2194	0.3203	0.1011	0.3547	0.0311	2.6046

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1116	0.0343	0.0881	0.0081	0.2421
10 mph	0.0505	0.0109	0.0387	0.1089	0.0822	0.0271	0.1224	0.0104	0.4510
15 mph	0.2735	0.0574	0.2073	0.0940	0.0841	0.0275	0.0926	0.0078	0.8443
20 mph	0.0245	0.0051	0.0185	0.1360	0.1214	0.0390	0.1511	0.0128	0.5084
25 mph	0.1616	0.0331	0.1209	0.4559	0.5320	0.1686	0.6439	0.0559	2.1720
30 mph	0.1178	0.0240	0.0877	0.4240	0.3850	0.1202	0.5068	0.0453	1.7109
35 mph	0.5516	0.1126	0.4096	0.4247	0.2846	0.0874	0.3929	0.0361	2.2996
40 mph	(0.0883)	(0.0181)	(0.0656)	0.1882	0.2302	0.0697	0.4152	0.0385	0.7698
45 mph	(0.2432)	(0.0502)	(0.1812)	0.2737	0.3814	0.1142	0.3255	0.0308	0.6508
50 mph	(0.1995)	(0.0419)	(0.1493)	0.2391	0.3315	0.0978	0.2489	0.0237	0.5502
55 mph	(0.1210)	(0.0260)	(0.0916)	0.2355	0.2991	0.0875	0.0576	0.0055	0.4467
60 mph	(0.0564)	(0.0124)	(0.0431)	0.1387	0.1681	0.0492	3.4869	0.3305	4.0616
65 mph	(0.0451)	(0.0102)	(0.0348)	0.0383	0.0578	0.0168	-	-	0.0228
70 mph	(1.0853)	(0.2733)	(0.8379)	0.9609	1.5255	0.3978	-	-	0.6878
total	(0.6592)	(0.1891)	(0.5208)	3.7178	4.5945	1.3372	6.5319	0.6055	15.4179

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0010	0.0000	0.0004	0.0022	0.2943	0.1956	7.8823	31.8477	40.2236
15 mph	0.0002	0.0000	0.0001	0.0003	0.0564	0.0377	1.5876	6.3840	8.0662
20 mph	0.0008	0.0000	0.0003	0.0015	0.3370	0.2219	3.7905	13.4518	17.8038
25 mph	0.0029	0.0001	0.0008	0.0051	1.4084	0.9205	12.3285	47.3167	61.9832
30 mph	0.0026	0.0001	0.0007	0.0045	1.4213	0.9183	7.3780	28.3311	38.0565
35 mph	0.0014	0.0001	0.0004	0.0025	0.8962	0.5694	2.1599	8.3142	11.9440
40 mph	0.0006	0.0000	0.0001	0.0010	0.4087	0.2572	1.3739	5.3381	7.3797
45 mph	0.0004	0.0000	0.0001	0.0007	0.2840	0.1781	1.3340	5.2534	7.0507
50 mph	0.0004	0.0000	0.0001	0.0006	0.3008	0.1881	1.3876	5.4572	7.3348
55 mph	0.0007	0.0001	0.0001	0.0011	0.5375	0.3375	0.1297	0.5352	1.5418
60 mph	0.0004	0.0000	0.0001	0.0007	0.3511	0.2203	0.6367	2.5620	3.7715
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0113	0.0006	0.0032	0.0202	6.2957	4.0447	39.9887	154.7914	205.1558

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0004)	(0.0000)	(0.0001)	0.0003	0.1180	0.0777	2.9597	10.5036	13.6588
25 mph	(0.0006)	(0.0000)	(0.0002)	0.0004	0.1776	0.1161	4.6207	17.7343	22.6483
30 mph	(0.0009)	(0.0000)	(0.0002)	0.0006	0.3111	0.2010	8.6414	33.1827	42.3357
35 mph	(0.0013)	(0.0001)	(0.0003)	0.0009	0.5381	0.3419	7.5894	29.2139	37.6824
40 mph	(0.0019)	(0.0001)	(0.0005)	0.0012	0.8588	0.5405	6.4369	25.0092	32.8442
45 mph	(0.0040)	(0.0003)	(0.0009)	0.0026	1.9397	1.2165	3.4721	13.6734	20.2991
50 mph	(0.0034)	(0.0003)	(0.0007)	0.0022	1.7385	1.0868	1.7730	6.9728	11.5689
55 mph	(0.0025)	(0.0002)	(0.0005)	0.0016	1.2909	0.8106	0.6078	2.5072	5.2149
60 mph	(0.0013)	(0.0001)	(0.0002)	0.0008	0.6559	0.4116	52.2055	210.0523	263.3245
65 mph	(0.0006)	(0.0001)	(0.0001)	0.0004	0.3699	0.2297	-	-	0.5993
70 mph	(0.0156)	(0.0012)	(0.0033)	0.0117	15.7943	8.9345	-	-	24.7204
total	(0.0324)	(0.0024)	(0.0071)	0.0226	23.7929	13.9668	88.3065	348.8495	474.8965

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.9739	2.1029	5.4998	9.9348	20.5114
15 mph	0.0046	0.0001	0.0017	0.0012	0.2367	0.1584	3.1411	12.6309	16.1748
25 mph	-	-	-	-	0.5708	0.3731	7.9181	30.3897	39.2517
35 mph	0.0078	0.0005	0.0020	0.0018	-	-	-	-	0.0121
total	0.0125	0.0006	0.0037	0.0029	3.7814	2.6344	16.5590	52.9554	75.9500

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.9739	2.1029	5.4998	9.9348	20.5114
10 mph	0.0010	0.0000	0.0004	0.0022	0.2943	0.1956	7.8823	31.8477	40.2236
15 mph	0.0048	0.0002	0.0018	0.0015	0.2930	0.1962	4.7286	19.0148	24.2410
20 mph	0.0004	0.0000	0.0001	0.0018	0.4551	0.2996	6.7502	23.9555	31.4626
25 mph	0.0023	0.0001	0.0007	0.0055	2.1568	1.4097	24.8673	95.4407	123.8832
30 mph	0.0017	0.0001	0.0005	0.0051	1.7324	1.1193	16.0194	61.5138	80.3922
35 mph	0.0080	0.0005	0.0020	0.0051	1.4343	0.9113	9.7493	37.5281	49.6386
40 mph	(0.0013)	(0.0001)	(0.0003)	0.0023	1.2675	0.7977	7.8108	30.3474	40.2240
45 mph	(0.0036)	(0.0003)	(0.0008)	0.0032	2.2237	1.3946	4.8061	18.9269	27.3498
50 mph	(0.0030)	(0.0002)	(0.0006)	0.0028	2.0393	1.2749	3.1606	12.4300	18.9038
55 mph	(0.0018)	(0.0001)	(0.0004)	0.0027	1.8284	1.1481	0.7375	3.0424	6.7567
60 mph	(0.0008)	(0.0001)	(0.0002)	0.0015	1.0070	0.6319	52.8423	212.6143	267.0960
65 mph	(0.0006)	(0.0001)	(0.0001)	0.0004	0.3699	0.2297	-	-	0.5993
70 mph	(0.0156)	(0.0012)	(0.0033)	0.0117	15.7943	8.9345	-	-	24.7204
total	(0.0086)	(0.0011)	(0.0002)	0.0458	33.8701	20.6459	144.8542	556.5963	756.0023

NOX Emissions (pounds/day) - Natural Gas/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.6392	0.6392
15 mph								0.1364	0.1364
20 mph								0.3218	0.3218
25 mph								1.1603	1.1603
30 mph								0.8421	0.8421
35 mph								0.3114	0.3114
40 mph								0.2557	0.2557
45 mph								0.3124	0.3124
50 mph								0.3672	0.3672
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	4.3466	4.3466

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.2513	0.2513
25 mph								0.4349	0.4349
30 mph								0.9864	0.9864
35 mph								1.0943	1.0943
40 mph								1.1979	1.1979
45 mph								0.8131	0.8131
50 mph								0.4692	0.4692
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.7668	2.7668

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.6735	0.6735
15 mph								0.2700	0.2700
25 mph								0.7452	0.7452
35 mph								-	-
total	-	-	-	-	-	-	-	1.6887	1.6887

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.6735	0.6735
10 mph								0.6392	0.6392
15 mph								0.4064	0.4064
20 mph								0.5730	0.5730
25 mph								2.3405	2.3405
30 mph								1.8285	1.8285
35 mph								1.4058	1.4058
40 mph								1.4536	1.4536
45 mph								1.1255	1.1255
50 mph								0.8364	0.8364
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	11.2823	11.2823

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.0855	2.1372	5.5879	10.6165	21.4270
10 mph	0.0515	0.0109	0.0391	0.1111	0.3765	0.2227	8.0047	32.4973	41.3138
15 mph	0.2783	0.0576	0.2091	0.0955	0.3771	0.2237	4.8213	19.4291	25.4917
20 mph	0.0249	0.0051	0.0186	0.1378	0.5765	0.3386	6.9013	24.5413	32.5441
25 mph	0.1640	0.0332	0.1216	0.4614	2.6888	1.5783	25.5113	97.8371	128.3957
30 mph	0.1195	0.0241	0.0882	0.4291	2.1174	1.2395	16.5261	63.3876	83.9316
35 mph	0.5596	0.1131	0.4117	0.4298	1.7189	0.9987	10.1422	38.9700	53.3439
40 mph	(0.0896)	(0.0182)	(0.0659)	0.1904	1.4977	0.8674	8.2260	31.8395	42.4473
45 mph	(0.2469)	(0.0505)	(0.1820)	0.2769	2.6050	1.5088	5.1316	20.0832	29.1261
50 mph	(0.2025)	(0.0421)	(0.1500)	0.2419	2.3707	1.3727	3.4095	13.2901	20.2903
55 mph	(0.1228)	(0.0261)	(0.0919)	0.2382	2.1275	1.2356	0.7951	3.0478	7.2034
60 mph	(0.0572)	(0.0124)	(0.0433)	0.1402	1.1752	0.6812	56.3292	212.9448	271.1576
65 mph	(0.0458)	(0.0103)	(0.0350)	0.0387	0.4278	0.2466	-	-	0.6220
70 mph	(1.1009)	(0.2745)	(0.8411)	0.9726	17.3199	9.3323	-	-	25.4082
STREX	0.3496	0.0355	0.1850	0.8561	0.5187	0.1627	6.3331	13.2007	21.6413
total	(0.3182)	(0.1546)	(0.3360)	4.6197	38.9832	22.1458	157.7192	581.6848	**804.3440**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1549	0.2079	0.2189	0.2670	0.4622	0.4756	0.3376	0.3511
Diesel	-	-	-	-	-	-	2.1489	2.4467
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3496	0.0355	0.1850	0.8561	0.5187	0.1627	0.1884	0.0013
Diesel	-	-	-	-	-	-	6.1447	13.1994
Electric/NG	-	-	-	-	-	-	-	-
Total	0.3496	0.0355	0.1850	0.8561	0.5187	0.1627	6.3331	13.2007

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Net) - Mitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					154.3729	154.6577	386.3347	279.6230
10 mph	0.9146	1.6748	1.2664	1.4074	1.0604	0.6823	1.4088	50.6029
15 mph	0.8340	1.4991	1.1478	1.2724	0.8610	0.5912	1.2762	45.2947
20 mph	0.7628	1.3573	1.0468	1.1585	0.7390	0.5243	1.1725	41.1197
25 mph	0.6980	1.2306	0.9544	1.0559	0.6395	0.4658	1.0556	37.3867
30 mph	0.6403	1.1230	0.8732	0.9668	0.5689	0.4189	0.9501	34.1779
35 mph	0.5892	1.0327	0.8021	0.8898	0.5224	0.3830	0.8646	31.4685
40 mph	0.5464	0.9581	0.7436	0.8255	0.4945	0.3581	0.8057	29.2695
45 mph	0.5095	0.8945	0.6936	0.7706	0.4788	0.3385	0.7447	27.3107
50 mph	0.4752	0.8415	0.6473	0.7214	0.4757	0.3230	0.6990	25.6452
55 mph	0.4424	0.7916	0.6045	0.6756	0.4928	0.3175	0.6674	24.3124
60 mph	0.4064	0.7360	0.5568	0.6254	0.5234	0.3174	0.6362	23.1611
65 mph	0.3755	0.6929	0.5166	0.5835	0.5937	0.3325		
70 mph	0.3612	0.7258	0.4982	0.5718	0.5983	0.2815		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	21.3872	34.9443
10 mph	2.2643	2.6450	1.7955	2.4140	2.1624	2.1973	0.4812	1.3886
15 mph	1.1172	1.7608	0.8798	1.1798	1.1225	1.1333	0.2607	0.7418
20 mph	0.4488	1.2241	0.3451	0.4653	0.5336	0.5295	0.1741	0.4508
25 mph	0.2761	0.9761	0.2086	0.2836	0.3629	0.3566	0.1331	0.3630
30 mph	0.2112	0.8396	0.1582	0.2167	0.2962	0.2888	0.1021	0.2785
35 mph	0.1702	0.7619	0.1263	0.1748	0.2594	0.2500	0.0770	0.2101
40 mph	0.1428	0.7296	0.1047	0.1456	0.2374	0.2264	0.0577	0.1579
45 mph	0.1238	0.7359	0.0893	0.1247	0.2256	0.2133	0.0443	0.1214
50 mph	0.1108	0.7825	0.0781	0.1100	0.2274	0.2130	0.0367	0.1001
55 mph	0.1017	0.8795	0.0697	0.0990	0.2356	0.2194	0.0350	0.0968
60 mph	0.1010	1.0382	0.0669	0.0959	0.2602	0.2405	0.0391	0.1072
65 mph	0.1063	1.2915	0.0684	0.1000	0.3321	0.3025		
70 mph	0.1114	1.5070	0.0709	0.1101	0.6139	0.5130		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								32.7471
10 mph								34.5971
15 mph								24.3573
20 mph								17.6151
25 mph								12.9129
30 mph								9.5213
35 mph								7.0220
40 mph								5.1804
45 mph								3.8236
50 mph								2.8242
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	1.0624	0.1472	0.5508	1.3944	0.4399	0.0863	0.4358	0.1059	4.2226
15 mph	0.2153	0.0293	0.1109	0.2801	0.0794	0.0166	0.1128	0.0271	0.8715
20 mph	1.1814	0.1590	0.6070	1.5303	0.4088	0.0884	0.3108	0.0738	4.3596
25 mph	4.5045	0.6008	2.3059	5.8118	1.4739	0.3273	1.1660	0.2795	16.4699
30 mph	3.9668	0.5264	2.0255	5.1088	1.2587	0.2825	0.8396	0.2044	14.2127
35 mph	2.1294	0.2824	1.0853	2.7426	0.6742	0.1507	0.3056	0.0753	7.4455
40 mph	0.8462	0.1123	0.4312	1.0905	0.2736	0.0604	0.2492	0.0613	3.1247
45 mph	0.5261	0.0699	0.2681	0.6786	0.1766	0.0381	0.2961	0.0735	2.1270
50 mph	0.4906	0.0657	0.2502	0.6353	0.1754	0.0363	0.3397	0.0844	2.0777
55 mph	0.7993	0.1082	0.4089	1.0412	0.3180	0.0625	0.0295	0.0073	2.7749
60 mph	0.4721	0.0647	0.2422	0.6196	0.2172	0.0401	0.1124	0.0277	1.7960
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	16.1942	2.1658	8.2861	20.9333	5.4955	1.1892	4.1976	1.0203	59.4821

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.6357)	(0.0856)	(0.3266)	0.3136	0.1432	0.0310	0.2427	0.0576	(0.2598)
25 mph	(0.8725)	(0.1164)	(0.4467)	0.4288	0.1858	0.0413	0.4370	0.1048	(0.2379)
30 mph	(1.3340)	(0.1770)	(0.6811)	0.6544	0.2755	0.0618	0.9834	0.2395	0.0224
35 mph	(1.9641)	(0.2604)	(1.0011)	0.9635	0.4048	0.0905	1.0739	0.2646	(0.4284)
40 mph	(2.7319)	(0.3625)	(1.3921)	1.3409	0.5749	0.1269	1.1676	0.2871	(0.9890)
45 mph	(5.5201)	(0.7332)	(2.8133)	2.7120	1.2059	0.2599	0.7708	0.1913	(3.9267)
50 mph	(4.3559)	(0.5836)	(2.2216)	2.1483	1.0138	0.2099	0.4341	0.1078	(3.2473)
55 mph	(2.9491)	(0.3993)	(1.5088)	1.4632	0.7638	0.1500	0.1382	0.0341	(2.3080)
60 mph	(1.3547)	(0.1856)	(0.6949)	0.6773	0.4056	0.0750	9.2186	2.2718	10.4130
65 mph	(0.6258)	(0.0874)	(0.3224)	0.3159	0.2300	0.0393	-	-	(0.4504)
70 mph	(14.1464)	(2.1509)	(7.3065)	7.2750	5.4482	0.7814	-	-	(10.0991)
total	(36.4903)	(5.1417)	(18.7150)	18.2928	10.6516	1.8669	14.4661	3.5585	(11.5111)

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	11.9078	3.6367	14.1737	0.0819	29.8001
15 mph	5.7451	0.7813	2.9602	0.9694	0.3333	0.0698	0.2231	0.0536	11.1359
25 mph	-	-	-	-	0.5973	0.1326	0.7489	0.1795	1.6584
35 mph	11.9468	1.5842	6.0891	1.9504	-	-	-	-	21.5705
total	17.6919	2.3654	9.0493	2.9199	12.8385	3.8391	15.1457	0.3151	64.1649

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	11.9078	3.6367	14.1737	0.0819	29.8001
10 mph	1.0624	0.1472	0.5508	1.3944	0.4399	0.0863	0.4358	0.1059	4.2226
15 mph	5.9604	0.8105	3.0711	1.2496	0.4127	0.0864	0.3359	0.0807	12.0074
20 mph	0.5458	0.0735	0.2804	1.8440	0.5519	0.1194	0.5536	0.1314	4.0999
25 mph	3.6320	0.4844	1.8593	6.2406	2.2571	0.5012	2.3520	0.5639	17.8905
30 mph	2.6328	0.3494	1.3443	5.7631	1.5342	0.3444	1.8229	0.4439	14.2351
35 mph	12.1120	1.6061	6.1733	5.6566	1.0790	0.2412	1.3795	0.3399	28.5876
40 mph	(1.8857)	(0.2502)	(0.9609)	2.4315	0.8484	0.1873	1.4168	0.3484	2.1356
45 mph	(4.9940)	(0.6633)	(2.5452)	3.3906	1.3825	0.2980	1.0669	0.2649	(1.7997)
50 mph	(3.8653)	(0.5178)	(1.9713)	2.7836	1.1892	0.2462	0.7738	0.1922	(1.1695)
55 mph	(2.1498)	(0.2911)	(1.0999)	2.5043	1.0818	0.2125	0.1676	0.0413	0.4669
60 mph	(0.8826)	(0.1209)	(0.4527)	1.2969	0.6228	0.1151	9.3310	2.2995	12.2090
65 mph	(0.6258)	(0.0874)	(0.3224)	0.3159	0.2300	0.0393	-	-	(0.4504)
70 mph	(14.1464)	(2.1509)	(7.3065)	7.2750	5.4482	0.7814	-	-	(10.0991)
total	(2.6041)	(0.6105)	(1.3797)	42.1460	28.9856	6.8953	33.8094	4.8938	112.1359

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0266	0.0001	0.0060	0.0615	0.7089	0.5067	0.7626	4.1517	6.2241
15 mph	0.0029	0.0000	0.0007	0.0067	0.0818	0.0581	0.1180	0.6337	0.9019
20 mph	0.0070	0.0001	0.0015	0.0158	0.2333	0.1628	0.2365	1.1552	1.8123
25 mph	0.0180	0.0002	0.0039	0.0401	0.6609	0.4569	0.7533	3.8764	5.8097
30 mph	0.0132	0.0002	0.0028	0.0294	0.5179	0.3552	0.4625	2.3790	3.7601
35 mph	0.0062	0.0001	0.0013	0.0138	0.2646	0.1794	0.1395	0.7177	1.3227
40 mph	0.0022	0.0000	0.0005	0.0049	0.1038	0.0696	0.0915	0.4721	0.7446
45 mph	0.0013	0.0000	0.0003	0.0028	0.0657	0.0437	0.0902	0.4667	0.6707
50 mph	0.0012	0.0000	0.0002	0.0025	0.0663	0.0437	0.0914	0.4705	0.6757
55 mph	0.0019	0.0000	0.0004	0.0039	0.1201	0.0787	0.0079	0.0413	0.2543
60 mph	0.0012	0.0000	0.0002	0.0024	0.0853	0.0555	0.0354	0.1832	0.3632
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0817	0.0008	0.0177	0.1839	2.9086	2.0103	2.7888	14.5476	22.5392

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0038)	(0.0000)	(0.0008)	0.0032	0.0817	0.0570	0.1847	0.9021	1.2241
25 mph	(0.0035)	(0.0000)	(0.0007)	0.0030	0.0833	0.0576	0.2823	1.4529	1.8749
30 mph	(0.0044)	(0.0001)	(0.0009)	0.0038	0.1134	0.0778	0.5417	2.7864	3.5175
35 mph	(0.0057)	(0.0001)	(0.0012)	0.0049	0.1589	0.1077	0.4901	2.5220	3.2765
40 mph	(0.0072)	(0.0001)	(0.0015)	0.0061	0.2181	0.1463	0.4285	2.2118	3.0019
45 mph	(0.0136)	(0.0002)	(0.0028)	0.0113	0.4489	0.2986	0.2347	1.2147	2.1917
50 mph	(0.0103)	(0.0002)	(0.0021)	0.0084	0.3830	0.2523	0.1168	0.6011	1.3490
55 mph	(0.0068)	(0.0002)	(0.0013)	0.0055	0.2886	0.1890	0.0371	0.1937	0.7055
60 mph	(0.0034)	(0.0001)	(0.0006)	0.0027	0.1593	0.1036	2.9016	15.0169	18.1799
65 mph	(0.0018)	(0.0001)	(0.0003)	0.0014	0.1017	0.0652	-	-	0.1661
70 mph	(0.0441)	(0.0018)	(0.0080)	0.0360	4.4175	2.5967	-	-	6.9964
total	(0.1046)	(0.0029)	(0.0203)	0.0862	6.4543	3.9517	5.2174	26.9015	42.4834

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.6032	1.1277	4.0202	12.3927	19.1437
15 mph	0.0777	0.0004	0.0174	0.0231	0.3434	0.2439	0.2335	1.2538	2.1933
25 mph	-	-	-	-	0.2678	0.1852	0.4838	2.4897	3.4265
35 mph	0.0349	0.0005	0.0073	0.0098	-	-	-	-	0.0525
total	0.1126	0.0008	0.0247	0.0329	2.2145	1.5568	4.7375	16.1361	24.8160

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.6032	1.1277	4.0202	12.3927	19.1437
10 mph	0.0266	0.0001	0.0060	0.0615	0.7089	0.5067	0.7626	4.1517	6.2241
15 mph	0.0807	0.0004	0.0180	0.0298	0.4252	0.3020	0.3516	1.8875	3.0951
20 mph	0.0032	0.0000	0.0007	0.0190	0.3150	0.2198	0.4212	2.0573	3.0363
25 mph	0.0145	0.0002	0.0031	0.0431	1.0121	0.6997	1.5195	7.8190	11.1111
30 mph	0.0088	0.0001	0.0019	0.0332	0.6312	0.4330	1.0041	5.1653	7.2776
35 mph	0.0354	0.0005	0.0074	0.0286	0.4235	0.2871	0.6296	3.2397	4.6518
40 mph	(0.0050)	(0.0001)	(0.0010)	0.0110	0.3218	0.2159	0.5199	2.6839	3.7465
45 mph	(0.0123)	(0.0002)	(0.0025)	0.0141	0.5147	0.3423	0.3249	1.6814	2.8625
50 mph	(0.0091)	(0.0002)	(0.0018)	0.0109	0.4492	0.2959	0.2081	1.0716	2.0247
55 mph	(0.0050)	(0.0001)	(0.0010)	0.0094	0.4087	0.2677	0.0450	0.2350	0.9598
60 mph	(0.0022)	(0.0001)	(0.0004)	0.0051	0.2446	0.1591	2.9370	15.2000	18.5431
65 mph	(0.0018)	(0.0001)	(0.0003)	0.0014	0.1017	0.0652	-	-	0.1661
70 mph	(0.0441)	(0.0018)	(0.0080)	0.0360	4.4175	2.5967	-	-	6.9964
total	0.0897	(0.0013)	0.0221	0.3030	11.5774	7.5188	12.7437	57.5852	89.8387

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								5.7511	5.7511
15 mph								1.1568	1.1568
20 mph								2.5099	2.5099
25 mph								7.6661	7.6661
30 mph								4.5221	4.5221
35 mph								1.3340	1.3340
40 mph								0.8611	0.8611
45 mph								0.8172	0.8172
50 mph								0.7377	0.7377
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	25.3561	25.3561

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1.9598	1.9598
25 mph								2.8733	2.8733
30 mph								5.2965	5.2965
35 mph								4.6874	4.6874
40 mph								4.0344	4.0344
45 mph								2.1270	2.1270
50 mph								0.9426	0.9426
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	14.8170	14.8170

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.6457	0.6457
15 mph								2.2888	2.2888
25 mph								4.9237	4.9237
35 mph								-	-
total	-	-	-	-	-	-	-	7.8582	7.8582

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.6457	0.6457
10 mph								5.7511	5.7511
15 mph								3.4457	3.4457
20 mph								4.4696	4.4696
25 mph								15.4631	15.4631
30 mph								9.8186	9.8186
35 mph								6.0215	6.0215
40 mph								4.8956	4.8956
45 mph								2.9442	2.9442
50 mph								1.6804	1.6804
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	55.1354	55.1354

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	13.5110	4.7644	18.1938	13.1203	49.5895
10 mph	1.0890	0.1473	0.5568	1.4558	1.1488	0.5930	1.1984	10.0087	16.1978
15 mph	6.0411	0.8109	3.0892	1.2793	0.8379	0.3884	0.6875	5.4139	18.5482
20 mph	0.5490	0.0735	0.2811	1.8630	0.8669	0.3392	0.9748	6.6584	11.6059
25 mph	3.6465	0.4846	1.8624	6.2837	3.2691	1.2009	3.8714	23.8459	44.4646
30 mph	2.6416	0.3495	1.3462	5.7963	2.1654	0.7774	2.8270	15.4278	31.3313
35 mph	12.1474	1.6065	6.1808	5.6851	1.5025	0.5283	2.0091	9.6011	39.2608
40 mph	(1.8906)	(0.2503)	(0.9619)	2.4425	1.1703	0.4032	1.9367	7.9278	10.7777
45 mph	(5.0063)	(0.6635)	(2.5477)	3.4047	1.8972	0.6403	1.3918	4.8905	4.0070
50 mph	(3.8744)	(0.5180)	(1.9732)	2.7945	1.6384	0.5421	0.9819	2.9442	2.5355
55 mph	(2.1548)	(0.2912)	(1.1008)	2.5138	1.4905	0.4802	0.2126	0.2764	1.4267
60 mph	(0.8849)	(0.1210)	(0.4532)	1.3020	0.8674	0.2742	12.2680	17.4995	30.7521
65 mph	(0.6276)	(0.0874)	(0.3227)	0.3173	0.3317	0.1044	-	-	(0.2843)
70 mph	(14.1904)	(2.1526)	(7.3145)	7.3110	9.8657	3.3781	-	-	(3.1027)
STREX	4.3832	0.3508	2.0559	8.7354	1.7926	0.5310	2.1128	0.0201	19.9819
total	1.8688	(0.2610)	0.6983	51.1845	42.3556	14.9451	48.6659	117.6346	**277.0918**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.9421	2.0546	2.4329	2.7243	1.5973	1.5521	3.7857	5.3327
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	4.3832	0.3508	2.0559	8.7354	1.7926	0.5310	2.1128	0.0201
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	4.3832	0.3508	2.0559	8.7354	1.7926	0.5310	2.1128	0.0201

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Net) - Mitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0552	0.0552	0.1397	0.2211
10 mph	0.0046	0.0054	0.0057	0.0070	0.0146	0.0168	0.0302	0.0360
15 mph	0.0038	0.0044	0.0046	0.0057	0.0119	0.0137	0.0247	0.0295
20 mph	0.0032	0.0037	0.0038	0.0048	0.0099	0.0114	0.0205	0.0246
25 mph	0.0027	0.0031	0.0033	0.0041	0.0085	0.0097	0.0175	0.0211
30 mph	0.0024	0.0028	0.0029	0.0036	0.0075	0.0086	0.0156	0.0187
35 mph	0.0022	0.0026	0.0027	0.0034	0.0070	0.0080	0.0145	0.0173
40 mph	0.0022	0.0025	0.0026	0.0033	0.0067	0.0078	0.0140	0.0167
45 mph	0.0022	0.0025	0.0026	0.0033	0.0068	0.0078	0.0141	0.0167
50 mph	0.0022	0.0026	0.0027	0.0034	0.0070	0.0080	0.0145	0.0172
55 mph	0.0023	0.0027	0.0028	0.0035	0.0073	0.0083	0.0150	0.0179
60 mph	0.0024	0.0028	0.0029	0.0036	0.0075	0.0087	0.0156	0.0186
65 mph	0.0024	0.0029	0.0030	0.0037	0.0078	0.0089		
70 mph	0.0025	0.0029	0.0030	0.0038	0.0079	0.0090		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0347	0.0558	0.0570	0.0541
10 mph	0.0037	0.0081	0.0050	0.0062	0.0090	0.0100	0.0176	0.0266
15 mph	0.0030	0.0068	0.0041	0.0053	0.0058	0.0066	0.0138	0.0206
20 mph	0.0025	0.0056	0.0034	0.0044	0.0050	0.0057	0.0118	0.0174
25 mph	0.0021	0.0046	0.0028	0.0037	0.0044	0.0051	0.0103	0.0148
30 mph	0.0018	0.0040	0.0025	0.0032	0.0040	0.0046	0.0090	0.0130
35 mph	0.0016	0.0036	0.0022	0.0029	0.0040	0.0046	0.0081	0.0116
40 mph	0.0015	0.0033	0.0021	0.0027	0.0039	0.0044	0.0074	0.0107
45 mph	0.0015	0.0032	0.0020	0.0026	0.0038	0.0043	0.0070	0.0101
50 mph	0.0015	0.0032	0.0020	0.0026	0.0040	0.0044	0.0069	0.0099
55 mph	0.0016	0.0034	0.0021	0.0028	0.0042	0.0046	0.0071	0.0104
60 mph	0.0017	0.0037	0.0023	0.0030	0.0042	0.0046	0.0076	0.0110
65 mph	0.0019	0.0041	0.0025	0.0034	0.0043	0.0046		
70 mph	0.0021	0.0042	0.0027	0.0037	0.0044	0.0047		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0054	0.0005	0.0025	0.0069	0.0060	0.0021	0.0093	0.0001	0.0328
15 mph	0.0010	0.0001	0.0004	0.0013	0.0011	0.0004	0.0022	0.0000	0.0065
20 mph	0.0049	0.0004	0.0022	0.0063	0.0055	0.0019	0.0054	0.0000	0.0267
25 mph	0.0174	0.0015	0.0080	0.0224	0.0195	0.0068	0.0194	0.0002	0.0952
30 mph	0.0148	0.0013	0.0068	0.0191	0.0166	0.0058	0.0138	0.0001	0.0784
35 mph	0.0080	0.0007	0.0037	0.0104	0.0090	0.0031	0.0051	0.0000	0.0401
40 mph	0.0033	0.0003	0.0015	0.0043	0.0037	0.0013	0.0043	0.0000	0.0189
45 mph	0.0022	0.0002	0.0010	0.0029	0.0025	0.0009	0.0056	0.0000	0.0153
50 mph	0.0023	0.0002	0.0011	0.0030	0.0026	0.0009	0.0070	0.0001	0.0171
55 mph	0.0042	0.0004	0.0019	0.0054	0.0047	0.0016	0.0007	0.0000	0.0189
60 mph	0.0028	0.0002	0.0013	0.0036	0.0031	0.0011	0.0028	0.0000	0.0149
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0663	0.0059	0.0303	0.0856	0.0743	0.0260	0.0756	0.0006	0.3646

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0026)	(0.0002)	(0.0012)	0.0013	0.0019	0.0007	0.0042	0.0000	0.0041
25 mph	(0.0034)	(0.0003)	(0.0015)	0.0017	0.0025	0.0009	0.0073	0.0001	0.0071
30 mph	(0.0050)	(0.0004)	(0.0023)	0.0024	0.0036	0.0013	0.0161	0.0001	0.0159
35 mph	(0.0074)	(0.0007)	(0.0034)	0.0036	0.0054	0.0019	0.0180	0.0001	0.0176
40 mph	(0.0108)	(0.0010)	(0.0049)	0.0053	0.0078	0.0027	0.0203	0.0002	0.0197
45 mph	(0.0234)	(0.0021)	(0.0107)	0.0115	0.0170	0.0060	0.0146	0.0001	0.0130
50 mph	(0.0204)	(0.0018)	(0.0093)	0.0101	0.0148	0.0052	0.0090	0.0001	0.0076
55 mph	(0.0154)	(0.0014)	(0.0071)	0.0076	0.0112	0.0039	0.0031	0.0000	0.0021
60 mph	(0.0079)	(0.0007)	(0.0036)	0.0039	0.0058	0.0020	0.2265	0.0018	0.2279
65 mph	(0.0041)	(0.0004)	(0.0019)	0.0020	0.0030	0.0011	-	-	(0.0002)
70 mph	(0.0968)	(0.0086)	(0.0443)	0.0488	0.0719	0.0251	-	-	(0.0039)
total	(0.1972)	(0.0175)	(0.0903)	0.0983	0.1451	0.0507	0.3191	0.0026	0.3108

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0043	0.0013	0.0051	0.0001	0.0107
15 mph	0.0261	0.0023	0.0119	0.0044	0.0046	0.0016	0.0043	0.0000	0.0553
25 mph	-	-	-	-	0.0079	0.0028	0.0124	0.0001	0.0232
35 mph	0.0450	0.0040	0.0206	0.0074	-	-	-	-	0.0770
total	0.0711	0.0063	0.0325	0.0117	0.0168	0.0057	0.0219	0.0002	0.1662

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0043	0.0013	0.0051	0.0001	0.0107
10 mph	0.0054	0.0005	0.0025	0.0069	0.0060	0.0021	0.0093	0.0001	0.0328
15 mph	0.0271	0.0024	0.0124	0.0056	0.0057	0.0020	0.0065	0.0001	0.0617
20 mph	0.0023	0.0002	0.0010	0.0076	0.0074	0.0026	0.0097	0.0001	0.0308
25 mph	0.0140	0.0012	0.0064	0.0241	0.0298	0.0105	0.0391	0.0003	0.1255
30 mph	0.0098	0.0009	0.0045	0.0216	0.0202	0.0071	0.0299	0.0002	0.0943
35 mph	0.0456	0.0040	0.0209	0.0214	0.0144	0.0050	0.0231	0.0002	0.1347
40 mph	(0.0074)	(0.0007)	(0.0034)	0.0096	0.0116	0.0041	0.0246	0.0002	0.0386
45 mph	(0.0212)	(0.0019)	(0.0097)	0.0144	0.0195	0.0068	0.0201	0.0002	0.0283
50 mph	(0.0181)	(0.0016)	(0.0083)	0.0130	0.0174	0.0061	0.0160	0.0001	0.0247
55 mph	(0.0112)	(0.0010)	(0.0051)	0.0130	0.0159	0.0056	0.0038	0.0000	0.0209
60 mph	(0.0052)	(0.0005)	(0.0024)	0.0075	0.0090	0.0031	0.2293	0.0018	0.2428
65 mph	(0.0041)	(0.0004)	(0.0019)	0.0020	0.0030	0.0011	-	-	(0.0002)
70 mph	(0.0968)	(0.0086)	(0.0443)	0.0488	0.0719	0.0251	-	-	(0.0039)
total	(0.0597)	(0.0053)	(0.0274)	0.1956	0.2362	0.0825	0.4166	0.0034	0.8417

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0002	0.0029	0.0023	0.0278	0.0794	0.1127
15 mph	0.0000	0.0000	0.0000	0.0000	0.0004	0.0003	0.0063	0.0176	0.0247
20 mph	0.0000	0.0000	0.0000	0.0001	0.0022	0.0017	0.0160	0.0446	0.0648
25 mph	0.0001	0.0000	0.0001	0.0005	0.0080	0.0065	0.0583	0.1585	0.2321
30 mph	0.0001	0.0000	0.0000	0.0004	0.0070	0.0056	0.0410	0.1113	0.1654
35 mph	0.0001	0.0000	0.0000	0.0002	0.0041	0.0033	0.0146	0.0398	0.0621
40 mph	0.0000	0.0000	0.0000	0.0001	0.0017	0.0014	0.0117	0.0319	0.0469
45 mph	0.0000	0.0000	0.0000	0.0001	0.0011	0.0009	0.0143	0.0390	0.0553
50 mph	0.0000	0.0000	0.0000	0.0001	0.0012	0.0009	0.0172	0.0467	0.0661
55 mph	0.0000	0.0000	0.0000	0.0001	0.0021	0.0016	0.0016	0.0044	0.0100
60 mph	0.0000	0.0000	0.0000	0.0001	0.0014	0.0011	0.0069	0.0188	0.0282
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0005	0.0000	0.0002	0.0019	0.0322	0.0256	0.2158	0.5919	0.8682

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0008	0.0006	0.0125	0.0348	0.0487
25 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0010	0.0008	0.0219	0.0594	0.0831
30 mph	(0.0000)	(0.0000)	(0.0000)	0.0001	0.0015	0.0012	0.0480	0.1303	0.1810
35 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0025	0.0020	0.0514	0.1397	0.1956
40 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0036	0.0029	0.0549	0.1496	0.2110
45 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0076	0.0060	0.0372	0.1014	0.1521
50 mph	(0.0001)	(0.0000)	(0.0001)	0.0002	0.0068	0.0052	0.0220	0.0597	0.0937
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0002	0.0051	0.0039	0.0075	0.0207	0.0374
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0026	0.0020	0.5646	1.5383	2.1075
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0013	0.0010	-	-	0.0023
70 mph	(0.0008)	(0.0000)	(0.0003)	0.0012	0.0318	0.0239	-	-	0.0558
total	(0.0015)	(0.0000)	(0.0006)	0.0023	0.0646	0.0495	0.8200	2.2339	3.1682

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0021	0.0024	0.0107	0.0192	0.0344
15 mph	0.0002	0.0000	0.0001	0.0001	0.0018	0.0014	0.0124	0.0348	0.0508
25 mph	-	-	-	-	0.0033	0.0026	0.0375	0.1018	0.1452
35 mph	0.0003	0.0000	0.0001	0.0002	-	-	-	-	0.0006
total	0.0005	0.0000	0.0002	0.0003	0.0072	0.0065	0.0606	0.1559	0.2311

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0021	0.0024	0.0107	0.0192	0.0344
10 mph	0.0000	0.0000	0.0000	0.0002	0.0029	0.0023	0.0278	0.0794	0.1127
15 mph	0.0002	0.0000	0.0001	0.0001	0.0022	0.0018	0.0186	0.0525	0.0755
20 mph	0.0000	0.0000	0.0000	0.0002	0.0029	0.0024	0.0286	0.0794	0.1135
25 mph	0.0001	0.0000	0.0000	0.0006	0.0123	0.0099	0.1176	0.3198	0.4604
30 mph	0.0001	0.0000	0.0000	0.0005	0.0086	0.0069	0.0889	0.2416	0.3465
35 mph	0.0003	0.0000	0.0001	0.0005	0.0066	0.0053	0.0660	0.1795	0.2583
40 mph	(0.0001)	(0.0000)	(0.0000)	0.0002	0.0053	0.0042	0.0667	0.1815	0.2578
45 mph	(0.0001)	(0.0000)	(0.0001)	0.0003	0.0087	0.0068	0.0515	0.1403	0.2074
50 mph	(0.0001)	(0.0000)	(0.0000)	0.0003	0.0079	0.0061	0.0392	0.1064	0.1598
55 mph	(0.0001)	(0.0000)	(0.0000)	0.0003	0.0073	0.0056	0.0092	0.0252	0.0473
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0002	0.0040	0.0030	0.5715	1.5571	2.1357
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0013	0.0010	-	-	0.0023
70 mph	(0.0008)	(0.0000)	(0.0003)	0.0012	0.0318	0.0239	-	-	0.0558
total	(0.0005)	(0.0000)	(0.0002)	0.0045	0.1040	0.0816	1.0964	2.9817	4.2674

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	
45 mph								-	
50 mph								-	
55 mph								-	
60 mph								-	
65 mph								-	
70 mph								-	
total	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	
45 mph								-	
50 mph								-	
55 mph								-	
60 mph								-	
65 mph								-	
70 mph								-	
total	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
15 mph								-	-
25 mph								-	-
35 mph								-	-
total	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0064	0.0037	0.0158	0.0193	0.0452
10 mph	0.0054	0.0005	0.0025	0.0071	0.0090	0.0044	0.0372	0.0795	0.1456
15 mph	0.0273	0.0024	0.0125	0.0057	0.0079	0.0038	0.0251	0.0525	0.1373
20 mph	0.0023	0.0002	0.0010	0.0077	0.0103	0.0049	0.0382	0.0795	0.1443
25 mph	0.0141	0.0012	0.0065	0.0246	0.0421	0.0204	0.1567	0.3201	0.5858
30 mph	0.0099	0.0009	0.0045	0.0221	0.0288	0.0139	0.1188	0.2418	0.4408
35 mph	0.0460	0.0040	0.0210	0.0219	0.0209	0.0103	0.0891	0.1797	0.3929
40 mph	(0.0075)	(0.0007)	(0.0034)	0.0098	0.0169	0.0083	0.0913	0.1817	0.2964
45 mph	(0.0213)	(0.0019)	(0.0098)	0.0147	0.0283	0.0137	0.0716	0.1405	0.2358
50 mph	(0.0182)	(0.0016)	(0.0083)	0.0133	0.0253	0.0122	0.0552	0.1065	0.1845
55 mph	(0.0113)	(0.0010)	(0.0052)	0.0133	0.0232	0.0111	0.0129	0.0252	0.0682
60 mph	(0.0052)	(0.0005)	(0.0024)	0.0077	0.0130	0.0062	0.8008	1.5589	2.3784
65 mph	(0.0041)	(0.0004)	(0.0019)	0.0021	0.0043	0.0020	-	-	0.0021
70 mph	(0.0976)	(0.0086)	(0.0446)	0.0500	0.1037	0.0490	-	-	0.0519
STREX	0.0011	0.0001	0.0005	0.0025	0.0002	0.0001	0.0002	0.0000	0.0047
total	(0.0591)	(0.0052)	(0.0270)	0.2025	0.3403	0.1641	1.5131	2.9851	**5.1138**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0005	0.0006	0.0006	0.0008	0.0002	0.0002	0.0004	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0011	0.0001	0.0005	0.0025	0.0002	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0011	0.0001	0.0005	0.0025	0.0002	0.0001	0.0002	0.0000

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Net) - Mitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0387	0.0357	0.0337	0.0380
10 mph	0.0055	0.0073	0.0058	0.0059	0.0049	0.0045	0.0043	0.0049
15 mph	0.0037	0.0049	0.0039	0.0039	0.0033	0.0030	0.0029	0.0032
20 mph	0.0026	0.0035	0.0027	0.0028	0.0023	0.0021	0.0020	0.0023
25 mph	0.0019	0.0026	0.0020	0.0020	0.0017	0.0016	0.0015	0.0017
30 mph	0.0015	0.0020	0.0016	0.0016	0.0013	0.0012	0.0012	0.0013
35 mph	0.0012	0.0016	0.0013	0.0013	0.0011	0.0010	0.0009	0.0011
40 mph	0.0011	0.0014	0.0011	0.0011	0.0010	0.0009	0.0008	0.0010
45 mph	0.0010	0.0013	0.0010	0.0010	0.0009	0.0008	0.0007	0.0009
50 mph	0.0009	0.0013	0.0010	0.0010	0.0009	0.0008	0.0007	0.0009
55 mph	0.0009	0.0013	0.0010	0.0010	0.0009	0.0008	0.0007	0.0009
60 mph	0.0010	0.0014	0.0011	0.0011	0.0009	0.0008	0.0008	0.0009
65 mph	0.0012	0.0015	0.0012	0.0011	0.0011	0.0010		
70 mph	0.0013	0.0017	0.0013	0.0013	0.0011	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7944	0.8096	0.0073	0.0101
10 mph	0.0119	0.3054	0.0096	0.0081	0.0291	0.0345	0.0041	0.0112
15 mph	0.0096	0.2213	0.0081	0.0067	0.0219	0.0270	0.0032	0.0086
20 mph	0.0076	0.1693	0.0068	0.0055	0.0180	0.0223	0.0027	0.0061
25 mph	0.0062	0.1355	0.0058	0.0046	0.0149	0.0186	0.0026	0.0064
30 mph	0.0052	0.1138	0.0051	0.0040	0.0131	0.0163	0.0029	0.0070
35 mph	0.0046	0.1002	0.0046	0.0036	0.0119	0.0147	0.0035	0.0085
40 mph	0.0041	0.0918	0.0042	0.0033	0.0111	0.0136	0.0044	0.0109
45 mph	0.0039	0.0876	0.0039	0.0031	0.0105	0.0128	0.0057	0.0143
50 mph	0.0038	0.0879	0.0037	0.0030	0.0102	0.0123	0.0074	0.0183
55 mph	0.0038	0.0922	0.0035	0.0029	0.0100	0.0120	0.0095	0.0240
60 mph	0.0039	0.1007	0.0035	0.0029	0.0103	0.0122	0.0119	0.0296
65 mph	0.0041	0.1163	0.0036	0.0031	0.0116	0.0134		
70 mph	0.0042	0.1391	0.0037	0.0034	0.0181	0.0178		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0481
10 mph								0.0075
15 mph								0.0062
20 mph								0.0052
25 mph								0.0047
30 mph								0.0044
35 mph								0.0042
40 mph								0.0041
45 mph								0.0041
50 mph								0.0041
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0064	0.0006	0.0025	0.0058	0.0020	0.0006	0.0013	0.0000	0.0194
15 mph	0.0009	0.0001	0.0004	0.0009	0.0003	0.0001	0.0003	0.0000	0.0029
20 mph	0.0040	0.0004	0.0016	0.0036	0.0013	0.0004	0.0005	0.0000	0.0118
25 mph	0.0122	0.0013	0.0049	0.0112	0.0040	0.0011	0.0016	0.0000	0.0363
30 mph	0.0092	0.0009	0.0036	0.0084	0.0030	0.0008	0.0010	0.0000	0.0269
35 mph	0.0044	0.0005	0.0017	0.0040	0.0014	0.0004	0.0003	0.0000	0.0128
40 mph	0.0016	0.0002	0.0006	0.0015	0.0005	0.0001	0.0003	0.0000	0.0049
45 mph	0.0010	0.0001	0.0004	0.0009	0.0003	0.0001	0.0003	0.0000	0.0031
50 mph	0.0010	0.0001	0.0004	0.0009	0.0003	0.0001	0.0004	0.0000	0.0031
55 mph	0.0017	0.0002	0.0007	0.0016	0.0006	0.0002	0.0000	0.0000	0.0049
60 mph	0.0012	0.0001	0.0005	0.0011	0.0004	0.0001	0.0001	0.0000	0.0035
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0436	0.0044	0.0172	0.0399	0.0141	0.0039	0.0062	0.0000	0.1295

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0021)	(0.0002)	(0.0008)	0.0007	0.0004	0.0001	0.0004	0.0000	(0.0015)
25 mph	(0.0024)	(0.0002)	(0.0009)	0.0008	0.0005	0.0001	0.0006	0.0000	(0.0015)
30 mph	(0.0031)	(0.0003)	(0.0012)	0.0011	0.0007	0.0002	0.0012	0.0000	(0.0015)
35 mph	(0.0041)	(0.0004)	(0.0016)	0.0014	0.0009	0.0002	0.0012	0.0000	(0.0024)
40 mph	(0.0053)	(0.0005)	(0.0021)	0.0018	0.0011	0.0003	0.0012	0.0000	(0.0034)
45 mph	(0.0105)	(0.0011)	(0.0041)	0.0036	0.0022	0.0006	0.0008	0.0000	(0.0084)
50 mph	(0.0085)	(0.0009)	(0.0034)	0.0030	0.0018	0.0005	0.0004	0.0000	(0.0070)
55 mph	(0.0063)	(0.0006)	(0.0025)	0.0022	0.0014	0.0004	0.0002	0.0000	(0.0054)
60 mph	(0.0034)	(0.0003)	(0.0013)	0.0012	0.0007	0.0002	0.0116	0.0001	0.0087
65 mph	(0.0019)	(0.0002)	(0.0008)	0.0006	0.0004	0.0001	-	-	(0.0018)
70 mph	(0.0494)	(0.0050)	(0.0191)	0.0167	0.0104	0.0028	-	-	(0.0435)
total	(0.0970)	(0.0098)	(0.0379)	0.0332	0.0205	0.0056	0.0175	0.0001	(0.0677)

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0030	0.0008	0.0012	0.0000	0.0051
15 mph	0.0252	0.0025	0.0100	0.0030	0.0013	0.0004	0.0005	0.0000	0.0429
25 mph	-	-	-	-	0.0016	0.0004	0.0011	0.0000	0.0031
35 mph	0.0247	0.0025	0.0097	0.0029	-	-	-	-	0.0398
total	0.0499	0.0051	0.0197	0.0059	0.0059	0.0016	0.0028	0.0000	0.0908

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0030	0.0008	0.0012	0.0000	0.0051
10 mph	0.0064	0.0006	0.0025	0.0058	0.0020	0.0006	0.0013	0.0000	0.0194
15 mph	0.0261	0.0026	0.0104	0.0039	0.0016	0.0004	0.0008	0.0000	0.0458
20 mph	0.0018	0.0002	0.0007	0.0044	0.0017	0.0005	0.0010	0.0000	0.0103
25 mph	0.0099	0.0010	0.0039	0.0121	0.0061	0.0017	0.0033	0.0000	0.0379
30 mph	0.0061	0.0006	0.0024	0.0095	0.0036	0.0010	0.0022	0.0000	0.0254
35 mph	0.0250	0.0026	0.0099	0.0083	0.0023	0.0006	0.0015	0.0000	0.0502
40 mph	(0.0036)	(0.0004)	(0.0014)	0.0033	0.0017	0.0005	0.0014	0.0000	0.0014
45 mph	(0.0095)	(0.0010)	(0.0037)	0.0045	0.0026	0.0007	0.0011	0.0000	(0.0053)
50 mph	(0.0076)	(0.0008)	(0.0030)	0.0038	0.0021	0.0006	0.0008	0.0000	(0.0040)
55 mph	(0.0046)	(0.0005)	(0.0018)	0.0038	0.0019	0.0005	0.0002	0.0000	(0.0005)
60 mph	(0.0022)	(0.0002)	(0.0009)	0.0023	0.0011	0.0003	0.0117	0.0001	0.0122
65 mph	(0.0019)	(0.0002)	(0.0008)	0.0006	0.0004	0.0001	-	-	(0.0018)
70 mph	(0.0494)	(0.0050)	(0.0191)	0.0167	0.0104	0.0028	-	-	(0.0435)
total	(0.0035)	(0.0003)	(0.0009)	0.0789	0.0405	0.0112	0.0265	0.0002	0.1527

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0002	0.0096	0.0080	0.0065	0.0333	0.0577
15 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0014	0.0015	0.0073	0.0119
20 mph	0.0001	0.0000	0.0000	0.0002	0.0079	0.0069	0.0037	0.0155	0.0343
25 mph	0.0004	0.0000	0.0001	0.0007	0.0272	0.0239	0.0148	0.0688	0.1358
30 mph	0.0003	0.0000	0.0001	0.0005	0.0228	0.0200	0.0130	0.0600	0.1168
35 mph	0.0002	0.0000	0.0000	0.0003	0.0122	0.0106	0.0063	0.0291	0.0586
40 mph	0.0001	0.0000	0.0000	0.0001	0.0048	0.0042	0.0070	0.0327	0.0489
45 mph	0.0000	0.0000	0.0000	0.0001	0.0031	0.0026	0.0117	0.0549	0.0724
50 mph	0.0000	0.0000	0.0000	0.0001	0.0030	0.0025	0.0185	0.0860	0.1101
55 mph	0.0001	0.0000	0.0000	0.0001	0.0051	0.0043	0.0022	0.0103	0.0221
60 mph	0.0000	0.0000	0.0000	0.0001	0.0034	0.0028	0.0108	0.0506	0.0677
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0014	0.0001	0.0004	0.0024	0.1006	0.0871	0.0959	0.4483	0.7362

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0028	0.0024	0.0029	0.0121	0.0201
25 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0034	0.0030	0.0056	0.0258	0.0377
30 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0050	0.0044	0.0152	0.0703	0.0947
35 mph	(0.0002)	(0.0000)	(0.0000)	0.0001	0.0073	0.0063	0.0220	0.1021	0.1377
40 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0102	0.0088	0.0328	0.1531	0.2048
45 mph	(0.0004)	(0.0000)	(0.0001)	0.0003	0.0208	0.0179	0.0305	0.1428	0.2117
50 mph	(0.0004)	(0.0000)	(0.0001)	0.0002	0.0172	0.0146	0.0237	0.1099	0.1651
55 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0123	0.0104	0.0101	0.0481	0.0806
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0063	0.0053	0.8852	4.1450	5.0416
65 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0036	0.0029	-	-	0.0064
70 mph	(0.0016)	(0.0002)	(0.0004)	0.0011	0.1304	0.0903	-	-	0.2197
total	(0.0035)	(0.0003)	(0.0009)	0.0023	0.2193	0.1662	1.0279	4.8090	6.2200

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0484	0.0347	0.0014	0.0036	0.0881
15 mph	0.0007	0.0000	0.0002	0.0001	0.0067	0.0058	0.0029	0.0145	0.0309
25 mph	-	-	-	-	0.0110	0.0097	0.0095	0.0442	0.0744
35 mph	0.0009	0.0001	0.0003	0.0002	-	-	-	-	0.0015
total	0.0016	0.0001	0.0004	0.0003	0.0661	0.0502	0.0138	0.0623	0.1949

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0484	0.0347	0.0014	0.0036	0.0881
10 mph	0.0001	0.0000	0.0000	0.0002	0.0096	0.0080	0.0065	0.0333	0.0577
15 mph	0.0007	0.0000	0.0002	0.0002	0.0083	0.0072	0.0044	0.0219	0.0428
20 mph	0.0001	0.0000	0.0000	0.0002	0.0106	0.0093	0.0066	0.0277	0.0545
25 mph	0.0003	0.0000	0.0001	0.0007	0.0416	0.0365	0.0299	0.1387	0.2479
30 mph	0.0002	0.0000	0.0001	0.0006	0.0278	0.0244	0.0281	0.1302	0.2115
35 mph	0.0009	0.0001	0.0003	0.0006	0.0195	0.0169	0.0283	0.1311	0.1977
40 mph	(0.0001)	(0.0000)	(0.0000)	0.0003	0.0150	0.0130	0.0399	0.1858	0.2537
45 mph	(0.0004)	(0.0000)	(0.0001)	0.0004	0.0239	0.0205	0.0422	0.1976	0.2840
50 mph	(0.0003)	(0.0000)	(0.0001)	0.0003	0.0202	0.0171	0.0422	0.1958	0.2752
55 mph	(0.0002)	(0.0000)	(0.0000)	0.0003	0.0174	0.0147	0.0122	0.0583	0.1027
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0002	0.0097	0.0081	0.8959	4.1955	5.1093
65 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0036	0.0029	-	-	0.0064
70 mph	(0.0016)	(0.0002)	(0.0004)	0.0011	0.1304	0.0903	-	-	0.2197
total	(0.0005)	(0.0001)	(0.0001)	0.0050	0.3860	0.3035	1.1377	5.3196	7.1511

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0013	0.0013
15 mph								0.0003	0.0003
20 mph								0.0007	0.0007
25 mph								0.0028	0.0028
30 mph								0.0021	0.0021
35 mph								0.0008	0.0008
40 mph								0.0007	0.0007
45 mph								0.0009	0.0009
50 mph								0.0011	0.0011
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0106	0.0106

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0006	0.0006
25 mph								0.0011	0.0011
30 mph								0.0024	0.0024
35 mph								0.0028	0.0028
40 mph								0.0032	0.0032
45 mph								0.0023	0.0023
50 mph								0.0014	0.0014
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0069	0.0069

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
15 mph								0.0006	0.0006
25 mph								0.0018	0.0018
35 mph								-	-
total	-	-	-	-	-	-	-	0.0033	0.0033

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
10 mph								0.0013	0.0013
15 mph								0.0009	0.0009
20 mph								0.0013	0.0013
25 mph								0.0057	0.0057
30 mph								0.0045	0.0045
35 mph								0.0036	0.0036
40 mph								0.0038	0.0038
45 mph								0.0031	0.0031
50 mph								0.0025	0.0025
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0276	0.0276

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0514	0.0356	0.0026	0.0045	0.0941
10 mph	0.0065	0.0007	0.0026	0.0060	0.0116	0.0085	0.0078	0.0346	0.0783
15 mph	0.0268	0.0027	0.0105	0.0040	0.0099	0.0077	0.0051	0.0228	0.0895
20 mph	0.0019	0.0002	0.0007	0.0046	0.0124	0.0098	0.0076	0.0290	0.0661
25 mph	0.0102	0.0010	0.0040	0.0128	0.0477	0.0382	0.0332	0.1444	0.2915
30 mph	0.0063	0.0006	0.0025	0.0101	0.0315	0.0254	0.0303	0.1348	0.2414
35 mph	0.0260	0.0026	0.0101	0.0089	0.0218	0.0175	0.0298	0.1347	0.2514
40 mph	(0.0038)	(0.0004)	(0.0015)	0.0036	0.0167	0.0134	0.0413	0.1896	0.2590
45 mph	(0.0099)	(0.0010)	(0.0038)	0.0049	0.0264	0.0212	0.0433	0.2007	0.2818
50 mph	(0.0079)	(0.0008)	(0.0031)	0.0041	0.0223	0.0177	0.0430	0.1983	0.2737
55 mph	(0.0048)	(0.0005)	(0.0019)	0.0040	0.0193	0.0152	0.0124	0.0583	0.1022
60 mph	(0.0023)	(0.0002)	(0.0009)	0.0024	0.0108	0.0084	0.9077	4.1956	5.1214
65 mph	(0.0020)	(0.0002)	(0.0008)	0.0006	0.0040	0.0030	-	-	0.0046
70 mph	(0.0510)	(0.0051)	(0.0195)	0.0178	0.1409	0.0931	-	-	0.1761
STREX	0.0038	0.0004	0.0015	0.0057	0.0004	0.0001	0.0002	0.0000	0.0122
total	(0.0001)	(0.0000)	0.0004	0.0897	0.4270	0.3148	1.1644	5.3474	**7.3435**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0017	0.0022	0.0017	0.0018	0.0004	0.0003	0.0004	0.0006
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0038	0.0004	0.0015	0.0057	0.0004	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0038	0.0004	0.0015	0.0057	0.0004	0.0001	0.0002	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.1551	0.0874	0.4325	0.9852	0.7785	0.2731	0.6289	0.0024
Diesel	0.0117	0.0000	0.0033	0.0253	0.6443	0.5185	3.2224	4.1088
Electric	0.0349	0.0012	0.0079	0.0167	-	-	-	0.2321
Total	1.2017	0.0887	0.4437	1.0272	1.4228	0.7916	3.8513	4.3433

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	(3.7292)	(0.2821)	(1.3963)	1.2115	1.6359	0.5739	2.9466	0.0115
Diesel	(0.0377)	(0.0001)	(0.0107)	0.0311	1.3541	1.0897	15.0969	19.2496
Electric/NG	(0.1126)	(0.0040)	(0.0255)	0.0205	-	-	-	1.0874
Total	(3.8795)	(0.2862)	(1.4325)	1.2631	2.9900	1.6636	18.0435	20.3485

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.2156	0.0920	0.4551	0.1322	0.1116	0.0391	0.1259	0.0005
Diesel	0.0123	0.0000	0.0035	0.0034	0.0923	0.0743	0.6449	0.8223
Electric/NG	0.0367	0.0013	0.0083	0.0022	-	-	-	0.0465
Total	1.2646	0.0933	0.4669	0.1378	0.2039	0.1135	0.7708	0.8693

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	(1.3585)	(0.1028)	(0.5086)	2.3289	2.5259	0.8862	3.7014	0.0144	7.4869
Diesel	(0.0137)	(0.0000)	(0.0039)	0.0598	2.0907	1.6825	18.9642	24.1807	46.9603
Electric/NG	(0.0410)	(0.0014)	(0.0093)	0.0394	-	-	-	1.3660	1.3536
Total	(1.4133)	(0.1043)	(0.5218)	2.4281	4.6167	2.5687	22.6656	25.5611	**55.8008**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	32.4376
Internal	40.4243
Total	**72.8618**

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Net) - Mitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0356	0.0329	0.0309	0.0349
10 mph	0.0051	0.0067	0.0053	0.0054	0.0045	0.0042	0.0040	0.0045
15 mph	0.0034	0.0045	0.0036	0.0036	0.0030	0.0028	0.0026	0.0030
20 mph	0.0024	0.0032	0.0025	0.0025	0.0021	0.0020	0.0019	0.0021
25 mph	0.0017	0.0024	0.0018	0.0019	0.0016	0.0014	0.0014	0.0016
30 mph	0.0014	0.0018	0.0014	0.0015	0.0012	0.0011	0.0011	0.0012
35 mph	0.0011	0.0015	0.0012	0.0012	0.0010	0.0009	0.0009	0.0010
40 mph	0.0010	0.0013	0.0010	0.0010	0.0009	0.0008	0.0008	0.0009
45 mph	0.0009	0.0012	0.0009	0.0010	0.0008	0.0007	0.0007	0.0008
50 mph	0.0009	0.0012	0.0009	0.0009	0.0008	0.0007	0.0007	0.0008
55 mph	0.0009	0.0012	0.0009	0.0009	0.0008	0.0007	0.0007	0.0008
60 mph	0.0009	0.0013	0.0010	0.0010	0.0009	0.0008	0.0007	0.0009
65 mph	0.0011	0.0014	0.0011	0.0011	0.0010	0.0009		
70 mph	0.0012	0.0015	0.0012	0.0012	0.0011	0.0009		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7600	0.7746	0.0070	0.0096
10 mph	0.0113	0.2922	0.0092	0.0078	0.0279	0.0330	0.0039	0.0107
15 mph	0.0092	0.2117	0.0078	0.0064	0.0209	0.0259	0.0031	0.0082
20 mph	0.0073	0.1619	0.0065	0.0052	0.0172	0.0214	0.0026	0.0058
25 mph	0.0059	0.1296	0.0055	0.0044	0.0143	0.0178	0.0025	0.0062
30 mph	0.0050	0.1088	0.0049	0.0039	0.0125	0.0156	0.0027	0.0067
35 mph	0.0044	0.0959	0.0044	0.0035	0.0114	0.0141	0.0033	0.0081
40 mph	0.0040	0.0879	0.0040	0.0032	0.0106	0.0130	0.0042	0.0105
45 mph	0.0038	0.0838	0.0037	0.0030	0.0100	0.0122	0.0055	0.0137
50 mph	0.0036	0.0841	0.0035	0.0029	0.0098	0.0118	0.0071	0.0175
55 mph	0.0036	0.0882	0.0034	0.0028	0.0096	0.0115	0.0091	0.0230
60 mph	0.0037	0.0963	0.0033	0.0028	0.0098	0.0117	0.0114	0.0283
65 mph	0.0039	0.1112	0.0034	0.0029	0.0111	0.0128		
70 mph	0.0040	0.1331	0.0036	0.0033	0.0173	0.0171		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0460
10 mph								0.0072
15 mph								0.0059
20 mph								0.0050
25 mph								0.0045
30 mph								0.0042
35 mph								0.0040
40 mph								0.0039
45 mph								0.0039
50 mph								0.0040
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0059	0.0006	0.0023	0.0054	0.0019	0.0005	0.0012	0.0000	0.0178
15 mph	0.0009	0.0001	0.0003	0.0008	0.0003	0.0001	0.0002	0.0000	0.0027
20 mph	0.0037	0.0004	0.0014	0.0034	0.0012	0.0003	0.0005	0.0000	0.0108
25 mph	0.0113	0.0012	0.0045	0.0103	0.0036	0.0010	0.0015	0.0000	0.0334
30 mph	0.0084	0.0009	0.0033	0.0077	0.0027	0.0008	0.0009	0.0000	0.0248
35 mph	0.0040	0.0004	0.0016	0.0037	0.0013	0.0004	0.0003	0.0000	0.0117
40 mph	0.0015	0.0002	0.0006	0.0014	0.0005	0.0001	0.0002	0.0000	0.0045
45 mph	0.0009	0.0001	0.0004	0.0008	0.0003	0.0001	0.0003	0.0000	0.0029
50 mph	0.0009	0.0001	0.0003	0.0008	0.0003	0.0001	0.0003	0.0000	0.0028
55 mph	0.0016	0.0002	0.0006	0.0014	0.0005	0.0001	0.0000	0.0000	0.0045
60 mph	0.0011	0.0001	0.0004	0.0010	0.0004	0.0001	0.0001	0.0000	0.0032
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0401	0.0041	0.0159	0.0367	0.0130	0.0036	0.0057	0.0000	0.1191

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0020)	(0.0002)	(0.0008)	0.0007	0.0004	0.0001	0.0004	0.0000	(0.0013)
25 mph	(0.0022)	(0.0002)	(0.0009)	0.0008	0.0005	0.0001	0.0006	0.0000	(0.0013)
30 mph	(0.0028)	(0.0003)	(0.0011)	0.0010	0.0006	0.0002	0.0011	0.0000	(0.0014)
35 mph	(0.0037)	(0.0004)	(0.0015)	0.0013	0.0008	0.0002	0.0011	0.0000	(0.0022)
40 mph	(0.0049)	(0.0005)	(0.0019)	0.0017	0.0010	0.0003	0.0011	0.0000	(0.0032)
45 mph	(0.0096)	(0.0010)	(0.0038)	0.0033	0.0020	0.0006	0.0007	0.0000	(0.0077)
50 mph	(0.0079)	(0.0008)	(0.0031)	0.0027	0.0017	0.0005	0.0004	0.0000	(0.0065)
55 mph	(0.0058)	(0.0006)	(0.0023)	0.0020	0.0012	0.0003	0.0001	0.0000	(0.0050)
60 mph	(0.0031)	(0.0003)	(0.0012)	0.0011	0.0007	0.0002	0.0106	0.0001	0.0080
65 mph	(0.0018)	(0.0002)	(0.0007)	0.0006	0.0004	0.0001	-	-	(0.0015)
70 mph	(0.0454)	(0.0046)	(0.0176)	0.0154	0.0096	0.0026	-	-	(0.0400)
total	(0.0891)	(0.0090)	(0.0348)	0.0306	0.0189	0.0051	0.0161	0.0001	(0.0622)

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0027	0.0008	0.0011	0.0000	0.0047
15 mph	0.0232	0.0023	0.0092	0.0028	0.0012	0.0003	0.0005	0.0000	0.0394
25 mph	-	-	-	-	0.0015	0.0004	0.0010	0.0000	0.0029
35 mph	0.0227	0.0023	0.0090	0.0026	-	-	-	-	0.0366
total	0.0459	0.0047	0.0181	0.0054	0.0054	0.0015	0.0026	0.0000	0.0835

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0027	0.0008	0.0011	0.0000	0.0047
10 mph	0.0059	0.0006	0.0023	0.0054	0.0019	0.0005	0.0012	0.0000	0.0178
15 mph	0.0240	0.0024	0.0095	0.0036	0.0015	0.0004	0.0007	0.0000	0.0421
20 mph	0.0017	0.0002	0.0007	0.0040	0.0016	0.0004	0.0009	0.0000	0.0095
25 mph	0.0091	0.0009	0.0036	0.0111	0.0056	0.0016	0.0030	0.0000	0.0349
30 mph	0.0056	0.0006	0.0022	0.0087	0.0033	0.0009	0.0020	0.0000	0.0234
35 mph	0.0230	0.0024	0.0091	0.0076	0.0021	0.0006	0.0014	0.0000	0.0461
40 mph	(0.0034)	(0.0003)	(0.0013)	0.0031	0.0015	0.0004	0.0013	0.0000	0.0013
45 mph	(0.0087)	(0.0009)	(0.0034)	0.0042	0.0023	0.0006	0.0010	0.0000	(0.0049)
50 mph	(0.0070)	(0.0007)	(0.0027)	0.0035	0.0020	0.0005	0.0007	0.0000	(0.0037)
55 mph	(0.0042)	(0.0004)	(0.0017)	0.0035	0.0018	0.0005	0.0002	0.0000	(0.0005)
60 mph	(0.0020)	(0.0002)	(0.0008)	0.0021	0.0010	0.0003	0.0108	0.0001	0.0112
65 mph	(0.0018)	(0.0002)	(0.0007)	0.0006	0.0004	0.0001	-	-	(0.0015)
70 mph	(0.0454)	(0.0046)	(0.0176)	0.0154	0.0096	0.0026	-	-	(0.0400)
total	(0.0032)	(0.0003)	(0.0008)	0.0726	0.0373	0.0103	0.0244	0.0002	0.1404

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0002	0.0091	0.0076	0.0062	0.0319	0.0552
15 mph	0.0000	0.0000	0.0000	0.0000	0.0015	0.0013	0.0014	0.0070	0.0113
20 mph	0.0001	0.0000	0.0000	0.0002	0.0075	0.0066	0.0036	0.0149	0.0328
25 mph	0.0004	0.0000	0.0001	0.0006	0.0260	0.0228	0.0142	0.0658	0.1300
30 mph	0.0003	0.0000	0.0001	0.0005	0.0219	0.0191	0.0124	0.0574	0.1117
35 mph	0.0002	0.0000	0.0000	0.0003	0.0116	0.0101	0.0060	0.0278	0.0560
40 mph	0.0001	0.0000	0.0000	0.0001	0.0046	0.0040	0.0067	0.0313	0.0468
45 mph	0.0000	0.0000	0.0000	0.0001	0.0029	0.0025	0.0112	0.0525	0.0692
50 mph	0.0000	0.0000	0.0000	0.0001	0.0028	0.0024	0.0177	0.0823	0.1054
55 mph	0.0001	0.0000	0.0000	0.0001	0.0049	0.0041	0.0021	0.0098	0.0211
60 mph	0.0000	0.0000	0.0000	0.0001	0.0032	0.0027	0.0103	0.0484	0.0647
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0014	0.0001	0.0004	0.0023	0.0962	0.0833	0.0918	0.4289	0.7044

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0026	0.0023	0.0028	0.0116	0.0193
25 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0033	0.0029	0.0053	0.0247	0.0361
30 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0048	0.0042	0.0145	0.0672	0.0906
35 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0070	0.0061	0.0211	0.0977	0.1317
40 mph	(0.0002)	(0.0000)	(0.0001)	0.0001	0.0097	0.0084	0.0314	0.1465	0.1959
45 mph	(0.0004)	(0.0000)	(0.0001)	0.0003	0.0199	0.0171	0.0292	0.1366	0.2025
50 mph	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0165	0.0140	0.0227	0.1051	0.1579
55 mph	(0.0002)	(0.0000)	(0.0001)	0.0002	0.0118	0.0099	0.0096	0.0460	0.0771
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0060	0.0050	0.8469	3.9657	4.8235
65 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0034	0.0028	-	-	0.0061
70 mph	(0.0016)	(0.0002)	(0.0004)	0.0011	0.1248	0.0864	-	-	0.2102
total	(0.0033)	(0.0003)	(0.0009)	0.0022	0.2098	0.1590	0.9835	4.6010	5.9510

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0463	0.0332	0.0013	0.0034	0.0843
15 mph	0.0006	0.0000	0.0002	0.0001	0.0064	0.0056	0.0028	0.0139	0.0296
25 mph	-	-	-	-	0.0105	0.0093	0.0091	0.0423	0.0712
35 mph	0.0009	0.0001	0.0003	0.0002	-	-	-	-	0.0014
total	0.0015	0.0001	0.0004	0.0003	0.0633	0.0480	0.0132	0.0596	0.1864

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0463	0.0332	0.0013	0.0034	0.0843
10 mph	0.0001	0.0000	0.0000	0.0002	0.0091	0.0076	0.0062	0.0319	0.0552
15 mph	0.0007	0.0000	0.0002	0.0002	0.0079	0.0069	0.0042	0.0209	0.0409
20 mph	0.0001	0.0000	0.0000	0.0002	0.0102	0.0089	0.0064	0.0265	0.0521
25 mph	0.0003	0.0000	0.0001	0.0007	0.0398	0.0350	0.0286	0.1327	0.2372
30 mph	0.0002	0.0000	0.0001	0.0006	0.0266	0.0233	0.0269	0.1246	0.2023
35 mph	0.0009	0.0001	0.0003	0.0006	0.0186	0.0162	0.0271	0.1255	0.1891
40 mph	(0.0001)	(0.0000)	(0.0000)	0.0002	0.0144	0.0124	0.0381	0.1777	0.2427
45 mph	(0.0004)	(0.0000)	(0.0001)	0.0003	0.0229	0.0196	0.0404	0.1891	0.2717
50 mph	(0.0003)	(0.0000)	(0.0001)	0.0003	0.0193	0.0164	0.0404	0.1874	0.2633
55 mph	(0.0002)	(0.0000)	(0.0000)	0.0003	0.0167	0.0141	0.0117	0.0558	0.0982
60 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0092	0.0077	0.8572	4.0140	4.8882
65 mph	(0.0001)	(0.0000)	(0.0000)	0.0000	0.0034	0.0028	-	-	0.0061
70 mph	(0.0016)	(0.0002)	(0.0004)	0.0011	0.1248	0.0864	-	-	0.2102
total	(0.0004)	(0.0001)	(0.0001)	0.0048	0.3693	0.2904	1.0884	5.0895	6.8417

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0012	0.0012
15 mph								0.0003	0.0003
20 mph								0.0007	0.0007
25 mph								0.0027	0.0027
30 mph								0.0020	0.0020
35 mph								0.0008	0.0008
40 mph								0.0006	0.0006
45 mph								0.0008	0.0008
50 mph								0.0010	0.0010
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0101	0.0101

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0006	0.0006
25 mph								0.0010	0.0010
30 mph								0.0023	0.0023
35 mph								0.0027	0.0027
40 mph								0.0030	0.0030
45 mph								0.0022	0.0022
50 mph								0.0013	0.0013
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0066	0.0066

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
15 mph								0.0006	0.0006
25 mph								0.0017	0.0017
35 mph								-	-
total	-	-	-	-	-	-	-	0.0032	0.0032

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
10 mph								0.0012	0.0012
15 mph								0.0008	0.0008
20 mph								0.0013	0.0013
25 mph								0.0054	0.0054
30 mph								0.0043	0.0043
35 mph								0.0034	0.0034
40 mph								0.0037	0.0037
45 mph								0.0030	0.0030
50 mph								0.0024	0.0024
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0264	0.0264

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0491	0.0340	0.0024	0.0043	0.0898
10 mph	0.0060	0.0006	0.0024	0.0056	0.0110	0.0081	0.0074	0.0331	0.0742
15 mph	0.0247	0.0025	0.0097	0.0037	0.0094	0.0073	0.0049	0.0218	0.0839
20 mph	0.0017	0.0002	0.0007	0.0043	0.0118	0.0093	0.0072	0.0277	0.0629
25 mph	0.0094	0.0009	0.0037	0.0118	0.0454	0.0365	0.0317	0.1381	0.2775
30 mph	0.0058	0.0006	0.0023	0.0093	0.0300	0.0243	0.0289	0.1289	0.2301
35 mph	0.0239	0.0024	0.0093	0.0082	0.0207	0.0167	0.0285	0.1289	0.2387
40 mph	(0.0035)	(0.0004)	(0.0014)	0.0033	0.0159	0.0128	0.0395	0.1814	0.2477
45 mph	(0.0091)	(0.0009)	(0.0035)	0.0045	0.0252	0.0202	0.0414	0.1921	0.2698
50 mph	(0.0073)	(0.0007)	(0.0028)	0.0038	0.0213	0.0169	0.0411	0.1897	0.2620
55 mph	(0.0044)	(0.0004)	(0.0017)	0.0037	0.0184	0.0145	0.0119	0.0558	0.0978
60 mph	(0.0021)	(0.0002)	(0.0008)	0.0022	0.0103	0.0080	0.8680	4.0141	4.8994
65 mph	(0.0018)	(0.0002)	(0.0007)	0.0006	0.0038	0.0029	-	-	0.0046
70 mph	(0.0470)	(0.0047)	(0.0180)	0.0164	0.1344	0.0890	-	-	0.1701
STREX	0.0035	0.0003	0.0013	0.0053	0.0004	0.0001	0.0002	0.0000	0.0112
total	(0.0001)	(0.0000)	0.0004	0.0827	0.4070	0.3007	1.1130	5.1161	**7.0197**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0016	0.0020	0.0016	0.0016	0.0004	0.0003	0.0004	0.0006
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0035	0.0003	0.0013	0.0053	0.0004	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0035	0.0003	0.0013	0.0053	0.0004	0.0001	0.0002	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.4582	0.0347	0.1715	0.3908	0.3205	0.1130	0.2601	0.0009
Diesel	0.0046	0.0000	0.0013	0.0100	0.2605	0.2112	1.3325	1.4907
Electric/NG	0.0138	0.0005	0.0031	0.0066	-	-	-	0.0842
Total	0.4767	0.0352	0.1760	0.4074	0.5810	0.3243	1.5926	1.5758

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	(1.4792)	(0.1119)	(0.5538)	0.4805	0.6734	0.2375	1.2185	0.0044
Diesel	(0.0149)	(0.0000)	(0.0042)	0.0123	0.5475	0.4439	6.2428	6.9837
Electric/NG	(0.0447)	(0.0016)	(0.0101)	0.0081	-	-	-	0.3945
Total	(1.5388)	(0.1135)	(0.5682)	0.5010	1.2209	0.6815	7.4613	7.3827

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.4822	0.0365	0.1805	0.0524	0.0459	0.0162	0.0521	0.0002
Diesel	0.0049	0.0000	0.0014	0.0013	0.0373	0.0303	0.2667	0.2983
Electric/NG	0.0146	0.0005	0.0033	0.0009	-	-	-	0.0169
Total	0.5016	0.0370	0.1852	0.0547	0.0833	0.0465	0.3187	0.3154

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	(0.5389)	(0.0408)	(0.2017)	0.9238	1.0398	0.3668	1.5306	0.0055	3.0851
Diesel	(0.0054)	(0.0000)	(0.0015)	0.0237	0.8454	0.6854	7.8420	8.7727	18.1623
Electric/NG	(0.0163)	(0.0006)	(0.0037)	0.0156	-	-	-	0.4956	0.4907
Total	(0.5606)	(0.0414)	(0.2070)	0.9631	1.8852	1.0522	9.3726	9.2739	**21.7380**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	7.9619
Internal	9.9223
Total	**17.8843**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0378	0.0262	0.0019	0.0033	0.0692
10 mph	0.0039	0.0004	0.0015	0.0036	0.0085	0.0063	0.0057	0.0255	0.0553
15 mph	0.0158	0.0016	0.0062	0.0024	0.0072	0.0056	0.0037	0.0168	0.0593
20 mph	0.0011	0.0001	0.0004	0.0027	0.0091	0.0072	0.0056	0.0214	0.0475
25 mph	0.0060	0.0006	0.0024	0.0075	0.0350	0.0281	0.0244	0.1064	0.2103
30 mph	0.0037	0.0004	0.0015	0.0059	0.0231	0.0187	0.0223	0.0993	0.1748
35 mph	0.0153	0.0015	0.0060	0.0052	0.0160	0.0129	0.0219	0.0993	0.1781
40 mph	(0.0022)	(0.0002)	(0.0009)	0.0021	0.0122	0.0099	0.0304	0.1397	0.1910
45 mph	(0.0058)	(0.0006)	(0.0023)	0.0029	0.0194	0.0156	0.0318	0.1479	0.2090
50 mph	(0.0047)	(0.0005)	(0.0018)	0.0024	0.0164	0.0130	0.0317	0.1461	0.2027
55 mph	(0.0028)	(0.0003)	(0.0011)	0.0024	0.0142	0.0112	0.0091	0.0430	0.0757
60 mph	(0.0014)	(0.0001)	(0.0005)	0.0014	0.0079	0.0062	0.6683	3.0909	3.7727
65 mph	(0.0012)	(0.0001)	(0.0005)	0.0004	0.0029	0.0022	-	-	0.0038
70 mph	(0.0301)	(0.0030)	(0.0115)	0.0105	0.1035	0.0685	-	-	0.1379
total	(0.0023)	(0.0002)	(0.0006)	0.0495	0.3131	0.2315	0.8569	3.9394	5.3872

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2025 Phase 1 Buildout (Net) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	2,308	2.40	0.32	0.0005	1.1	0.0019	4.4
2	L	2,990	2.40	0.32	0.0005	1.4	0.0019	5.7
3	L	3,203	2.40	0.32	0.0005	1.5	0.0019	6.1
5	L	1,379	2.40	0.32	0.0005	0.6	0.0019	2.6
6	L	9,204	2.40	0.32	0.0005	4.3	0.0019	17.5
8	L	2,383	2.40	0.32	0.0005	1.1	0.0019	4.5
11	L	(2,407)	2.40	0.32	0.0005	-1.1	0.0019	-4.6
12	L	(91)	2.40	0.32	0.0005	0.0	0.0019	-0.2
14	L	232	2.40	0.32	0.0005	0.1	0.0019	0.4
18	L	88	2.40	0.32	0.0005	0.0	0.0019	0.2
19	L	2,023	2.40	0.32	0.0005	0.9	0.0019	3.9
21	L	753	2.40	0.32	0.0005	0.4	0.0019	1.4
24	L	916	2.40	0.32	0.0005	0.4	0.0019	1.7
30	L	(1,545)	2.40	0.32	0.0005	-0.7	0.0019	-2.9
29	L	913	2.40	0.32	0.0005	0.4	0.0019	1.7
31	L	(1,132)	2.40	0.32	0.0005	-0.5	0.0019	-2.2
TOTAL						9.9		40.4

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2025 Phase 1 Buildout (Net) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Length (m)	Length (mi)	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A			71,799	2.40	0.03	0.0001	4.1	0.0002	16.8
Freeway	F			132,707	2.40	0.02	0.0000	3.8	0.0001	15.6
TOTAL				204,507				8.0		32.4

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Net) - Mitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0057	0.0100	0.0081	0.0096	0.0132	0.0149	0.0233	0.2032
15 mph	0.0050	0.0087	0.0070	0.0084	0.0116	0.0131	0.0207	0.1796
20 mph	0.0045	0.0077	0.0063	0.0075	0.0107	0.0118	0.0187	0.1627
25 mph	0.0041	0.0070	0.0057	0.0068	0.0098	0.0108	0.0169	0.1492
30 mph	0.0038	0.0064	0.0053	0.0063	0.0092	0.0101	0.0155	0.1394
35 mph	0.0036	0.0061	0.0050	0.0059	0.0088	0.0095	0.0145	0.1324
40 mph	0.0034	0.0058	0.0047	0.0057	0.0085	0.0091	0.0139	0.1272
45 mph	0.0033	0.0056	0.0046	0.0055	0.0084	0.0089	0.0134	0.1240
50 mph	0.0033	0.0056	0.0046	0.0055	0.0084	0.0088	0.0133	0.1230
55 mph	0.0033	0.0058	0.0046	0.0056	0.0085	0.0089	0.0135	0.1248
60 mph	0.0034	0.0061	0.0049	0.0059	0.0089	0.0093	0.0139	0.1289
65 mph	0.0036	0.0066	0.0051	0.0062	0.0093	0.0097	0.0147	0.1346
70 mph	0.0038	0.0074	0.0053	0.0067	0.0104	0.0100	0.0146	0.1442

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0613	0.1353	0.0828	0.1031	0.1491	0.1668	0.2923	0.4418
15 mph	0.0504	0.1126	0.0687	0.0873	0.0969	0.1106	0.2300	0.3430
20 mph	0.0414	0.0924	0.0564	0.0725	0.0827	0.0944	0.1964	0.2895
25 mph	0.0347	0.0772	0.0473	0.0615	0.0734	0.0842	0.1714	0.2470
30 mph	0.0301	0.0665	0.0409	0.0532	0.0667	0.0760	0.1505	0.2167
35 mph	0.0272	0.0596	0.0369	0.0484	0.0669	0.0762	0.1344	0.1936
40 mph	0.0255	0.0555	0.0344	0.0453	0.0652	0.0735	0.1231	0.1777
45 mph	0.0246	0.0536	0.0332	0.0436	0.0636	0.0707	0.1167	0.1686
50 mph	0.0247	0.0536	0.0333	0.0439	0.0667	0.0734	0.1151	0.1654
55 mph	0.0258	0.0560	0.0348	0.0463	0.0697	0.0759	0.1184	0.1724
60 mph	0.0280	0.0607	0.0377	0.0501	0.0703	0.0761	0.1265	0.1827
65 mph	0.0315	0.0677	0.0423	0.0565	0.0715	0.0766	0.1395	0.1983
70 mph	0.0344	0.0706	0.0451	0.0619	0.0735	0.0786	0.1406	0.2008

*US EPA Emission Factors for Greenhouse Gas Inventories. (idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.9491
15 mph								0.7965
20 mph								0.6951
25 mph								0.6401
30 mph								0.6049
35 mph								0.5770
40 mph								0.5542
45 mph								0.5351
50 mph								0.5187
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0066	0.0009	0.0035	0.0095	0.0055	0.0019	0.0072	0.0004	0.0355
15 mph	0.0013	0.0002	0.0007	0.0018	0.0011	0.0004	0.0018	0.0001	0.0074
20 mph	0.0069	0.0009	0.0037	0.0099	0.0059	0.0020	0.0050	0.0003	0.0345
25 mph	0.0263	0.0034	0.0138	0.0374	0.0226	0.0076	0.0187	0.0011	0.1310
30 mph	0.0234	0.0030	0.0122	0.0333	0.0204	0.0068	0.0137	0.0008	0.1138
35 mph	0.0129	0.0017	0.0067	0.0183	0.0114	0.0038	0.0051	0.0003	0.0602
40 mph	0.0053	0.0007	0.0027	0.0075	0.0047	0.0015	0.0043	0.0003	0.0271
45 mph	0.0034	0.0004	0.0018	0.0049	0.0031	0.0010	0.0053	0.0003	0.0202
50 mph	0.0034	0.0004	0.0018	0.0048	0.0031	0.0010	0.0064	0.0004	0.0213
55 mph	0.0060	0.0008	0.0031	0.0086	0.0055	0.0018	0.0006	0.0000	0.0264
60 mph	0.0040	0.0005	0.0021	0.0058	0.0037	0.0012	0.0025	0.0002	0.0199
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0994	0.0129	0.0521	0.1419	0.0870	0.0288	0.0707	0.0043	0.4972

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0037)	(0.0005)	(0.0020)	0.0020	0.0021	0.0007	0.0039	0.0002	0.0027
25 mph	(0.0051)	(0.0007)	(0.0027)	0.0028	0.0029	0.0010	0.0070	0.0004	0.0056
30 mph	(0.0079)	(0.0010)	(0.0041)	0.0043	0.0045	0.0015	0.0161	0.0010	0.0143
35 mph	(0.0119)	(0.0015)	(0.0062)	0.0064	0.0069	0.0023	0.0180	0.0011	0.0151
40 mph	(0.0170)	(0.0022)	(0.0089)	0.0092	0.0099	0.0032	0.0202	0.0012	0.0157
45 mph	(0.0357)	(0.0046)	(0.0186)	0.0194	0.0211	0.0068	0.0139	0.0009	0.0031
50 mph	(0.0299)	(0.0039)	(0.0156)	0.0163	0.0178	0.0057	0.0082	0.0005	(0.0008)
55 mph	(0.0220)	(0.0029)	(0.0116)	0.0121	0.0132	0.0042	0.0028	0.0002	(0.0040)
60 mph	(0.0114)	(0.0015)	(0.0061)	0.0063	0.0069	0.0022	0.2021	0.0126	0.2110
65 mph	(0.0060)	(0.0008)	(0.0032)	0.0034	0.0036	0.0011	-	-	(0.0019)
70 mph	(0.1475)	(0.0220)	(0.0783)	0.0849	0.0950	0.0276	-	-	(0.0403)
total	(0.2982)	(0.0417)	(0.1572)	0.1671	0.1838	0.0564	0.2921	0.0182	0.2206

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0010	0.0003	0.0005	0.0000	0.0018
15 mph	0.0343	0.0045	0.0182	0.0064	0.0045	0.0015	0.0036	0.0002	0.0733
25 mph	-	-	-	-	0.0092	0.0031	0.0120	0.0007	0.0250
35 mph	0.0723	0.0093	0.0377	0.0130	-	-	-	-	0.1323
total	0.1067	0.0138	0.0558	0.0194	0.0147	0.0049	0.0161	0.0009	0.2324

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0010	0.0003	0.0005	0.0000	0.0018
10 mph	0.0066	0.0009	0.0035	0.0095	0.0055	0.0019	0.0072	0.0004	0.0355
15 mph	0.0356	0.0047	0.0188	0.0082	0.0056	0.0019	0.0054	0.0003	0.0806
20 mph	0.0032	0.0004	0.0017	0.0119	0.0080	0.0027	0.0088	0.0005	0.0372
25 mph	0.0212	0.0027	0.0111	0.0402	0.0346	0.0116	0.0377	0.0023	0.1615
30 mph	0.0156	0.0020	0.0081	0.0376	0.0249	0.0083	0.0298	0.0018	0.1280
35 mph	0.0733	0.0094	0.0382	0.0378	0.0183	0.0060	0.0232	0.0014	0.2076
40 mph	(0.0118)	(0.0015)	(0.0061)	0.0167	0.0147	0.0048	0.0245	0.0015	0.0428
45 mph	(0.0323)	(0.0042)	(0.0169)	0.0243	0.0242	0.0078	0.0192	0.0012	0.0233
50 mph	(0.0265)	(0.0035)	(0.0139)	0.0212	0.0209	0.0067	0.0147	0.0009	0.0205
55 mph	(0.0160)	(0.0021)	(0.0084)	0.0207	0.0188	0.0060	0.0034	0.0002	0.0224
60 mph	(0.0075)	(0.0010)	(0.0039)	0.0121	0.0105	0.0034	0.2045	0.0128	0.2309
65 mph	(0.0060)	(0.0008)	(0.0032)	0.0034	0.0036	0.0011	-	-	(0.0019)
70 mph	(0.1475)	(0.0220)	(0.0783)	0.0849	0.0950	0.0276	-	-	(0.0403)
total	(0.0920)	(0.0150)	(0.0493)	0.3284	0.2855	0.0901	0.3790	0.0234	0.9501

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0003	0.0026	0.0489	0.0385	0.4633	1.3208	1.8751
15 mph	0.0001	0.0000	0.0001	0.0005	0.0071	0.0057	0.1041	0.2930	0.4106
20 mph	0.0006	0.0000	0.0003	0.0025	0.0362	0.0290	0.2668	0.7419	1.0773
25 mph	0.0023	0.0000	0.0009	0.0087	0.1337	0.1078	0.9703	2.6376	3.8613
30 mph	0.0019	0.0000	0.0007	0.0072	0.1167	0.0935	0.6814	1.8510	2.7524
35 mph	0.0010	0.0000	0.0004	0.0038	0.0682	0.0547	0.2434	0.6616	1.0331
40 mph	0.0004	0.0000	0.0002	0.0015	0.0285	0.0226	0.1951	0.5312	0.7795
45 mph	0.0003	0.0000	0.0001	0.0010	0.0185	0.0145	0.2377	0.6481	0.9201
50 mph	0.0003	0.0000	0.0001	0.0010	0.0194	0.0150	0.2866	0.7773	1.0997
55 mph	0.0005	0.0000	0.0002	0.0018	0.0355	0.0272	0.0268	0.0736	0.1657
60 mph	0.0003	0.0000	0.0001	0.0013	0.0231	0.0175	0.1146	0.3122	0.4691
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0083	0.0001	0.0032	0.0320	0.5358	0.4260	3.5901	9.8482	14.4438

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0003)	(0.0000)	(0.0001)	0.0005	0.0127	0.0102	0.2084	0.5793	0.8105
25 mph	(0.0004)	(0.0000)	(0.0002)	0.0006	0.0169	0.0136	0.3637	0.9886	1.3827
30 mph	(0.0006)	(0.0000)	(0.0002)	0.0009	0.0255	0.0205	0.7981	2.1680	3.0121
35 mph	(0.0009)	(0.0000)	(0.0004)	0.0013	0.0410	0.0328	0.8552	2.3246	3.2537
40 mph	(0.0013)	(0.0000)	(0.0005)	0.0019	0.0599	0.0475	0.9140	2.4886	3.5101
45 mph	(0.0027)	(0.0000)	(0.0010)	0.0039	0.1266	0.0990	0.6186	1.6867	2.5311
50 mph	(0.0023)	(0.0000)	(0.0009)	0.0034	0.1124	0.0869	0.3662	0.9932	1.5588
55 mph	(0.0017)	(0.0000)	(0.0007)	0.0026	0.0853	0.0654	0.1256	0.3449	0.6213
60 mph	(0.0009)	(0.0000)	(0.0004)	0.0014	0.0431	0.0328	9.3937	25.5940	35.0636
65 mph	(0.0005)	(0.0000)	(0.0002)	0.0008	0.0219	0.0165	-	-	0.0384
70 mph	(0.0136)	(0.0001)	(0.0051)	0.0202	0.5285	0.3978	-	-	0.9279
total	(0.0254)	(0.0002)	(0.0096)	0.0376	1.0737	0.8229	13.6435	37.1678	52.7104

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0003	0.0002	0.0009	0.0017	0.0031
15 mph	0.0035	0.0000	0.0014	0.0017	0.0297	0.0238	0.2061	0.5797	0.8458
25 mph	-	-	-	-	0.0542	0.0437	0.6232	1.6940	2.4151
35 mph	0.0056	0.0000	0.0021	0.0027	-	-	-	-	0.0105
total	0.0091	0.0001	0.0035	0.0044	0.0841	0.0677	0.8302	2.2755	3.2745

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0003	0.0002	0.0009	0.0017	0.0031
10 mph	0.0007	0.0000	0.0003	0.0026	0.0489	0.0385	0.4633	1.3208	1.8751
15 mph	0.0036	0.0000	0.0014	0.0022	0.0367	0.0295	0.3102	0.8727	1.2564
20 mph	0.0003	0.0000	0.0001	0.0030	0.0488	0.0392	0.4752	1.3211	1.8878
25 mph	0.0018	0.0000	0.0007	0.0093	0.2047	0.1651	1.9572	5.3202	7.6592
30 mph	0.0012	0.0000	0.0005	0.0081	0.1422	0.1139	1.4795	4.0190	5.7645
35 mph	0.0056	0.0000	0.0022	0.0079	0.1092	0.0875	1.0986	2.9862	4.2973
40 mph	(0.0009)	(0.0000)	(0.0003)	0.0034	0.0884	0.0701	1.1091	3.0198	4.2895
45 mph	(0.0024)	(0.0000)	(0.0009)	0.0049	0.1451	0.1135	0.8563	2.3348	3.4512
50 mph	(0.0020)	(0.0000)	(0.0008)	0.0044	0.1318	0.1020	0.6528	1.7705	2.6586
55 mph	(0.0013)	(0.0000)	(0.0005)	0.0044	0.1209	0.0926	0.1524	0.4185	0.7870
60 mph	(0.0006)	(0.0000)	(0.0002)	0.0027	0.0661	0.0503	9.5083	25.9061	35.5327
65 mph	(0.0005)	(0.0000)	(0.0002)	0.0008	0.0219	0.0165	-	-	0.0384
70 mph	(0.0136)	(0.0001)	(0.0051)	0.0202	0.5285	0.3978	-	-	0.9279
total	(0.0080)	(0.0000)	(0.0029)	0.0740	1.6937	1.3166	18.0638	49.2915	70.4287

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1578	0.1578
15 mph								0.0378	0.0378
20 mph								0.0990	0.0990
25 mph								0.3800	0.3800
30 mph								0.2873	0.2873
35 mph								0.1096	0.1096
40 mph								0.0921	0.0921
45 mph								0.1144	0.1144
50 mph								0.1355	0.1355
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.4135	1.4135

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0773	0.0773
25 mph								0.1424	0.1424
30 mph								0.3365	0.3365
35 mph								0.3852	0.3852
40 mph								0.4316	0.4316
45 mph								0.2976	0.2976
50 mph								0.1731	0.1731
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.9414	0.9414

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
15 mph								0.0748	0.0748
25 mph								0.2441	0.2441
35 mph								-	-
total	-	-	-	-	-	-	-	0.3192	0.3192

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
10 mph								0.1578	0.1578
15 mph								0.1127	0.1127
20 mph								0.1764	0.1764
25 mph								0.7665	0.7665
30 mph								0.6238	0.6238
35 mph								0.4948	0.4948
40 mph								0.5237	0.5237
45 mph								0.4120	0.4120
50 mph								0.3086	0.3086
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.5765	3.5765

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0013	0.0005	0.0014	0.0020	0.0052
10 mph	0.0073	0.0009	0.0038	0.0121	0.0544	0.0404	0.4705	1.4790	2.0683
15 mph	0.0393	0.0047	0.0202	0.0104	0.0423	0.0314	0.3156	0.9857	1.4497
20 mph	0.0035	0.0004	0.0018	0.0149	0.0568	0.0419	0.4840	1.4980	2.1014
25 mph	0.0230	0.0028	0.0118	0.0495	0.2393	0.1768	1.9950	6.0890	8.5872
30 mph	0.0168	0.0020	0.0086	0.0457	0.1671	0.1222	1.5093	4.6446	6.5164
35 mph	0.0790	0.0095	0.0404	0.0457	0.1275	0.0935	1.1218	3.4824	4.9997
40 mph	(0.0126)	(0.0015)	(0.0065)	0.0202	0.1030	0.0749	1.1336	3.5450	4.8561
45 mph	(0.0347)	(0.0042)	(0.0178)	0.0292	0.1693	0.1213	0.8755	2.7480	3.8866
50 mph	(0.0285)	(0.0035)	(0.0146)	0.0255	0.1528	0.1087	0.6674	2.0800	2.9877
55 mph	(0.0173)	(0.0021)	(0.0089)	0.0251	0.1396	0.0986	0.1558	0.4187	0.8094
60 mph	(0.0081)	(0.0010)	(0.0042)	0.0148	0.0766	0.0537	9.7128	25.9189	35.7636
65 mph	(0.0065)	(0.0008)	(0.0034)	0.0041	0.0255	0.0176	-	-	0.0365
70 mph	(0.1611)	(0.0221)	(0.0834)	0.1051	0.6235	0.4255	-	-	0.8876
STREX	0.0514	0.0043	0.0231	0.0953	0.0432	0.0132	0.0162	0.0000	0.2467
total	(0.0487)	(0.0107)	(0.0290)	0.4977	2.0224	1.4200	18.4590	52.8914	**75.2021**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0228	0.0252	0.0273	0.0297	0.0385	0.0385	0.0291	0.0089
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0514	0.0043	0.0231	0.0953	0.0432	0.0132	0.0162	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0514	0.0043	0.0231	0.0953	0.0432	0.0132	0.0162	0.0000

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Net) - Mitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					2.1916	2.2071	3.3551	2.5449
10 mph	0.0074	0.0170	0.0122	0.0151	0.0169	0.0133	0.0290	0.3246
15 mph	0.0049	0.0115	0.0082	0.0101	0.0115	0.0089	0.0194	0.2152
20 mph	0.0035	0.0083	0.0058	0.0072	0.0084	0.0064	0.0138	0.1523
25 mph	0.0026	0.0062	0.0043	0.0053	0.0063	0.0047	0.0101	0.1131
30 mph	0.0020	0.0049	0.0034	0.0042	0.0050	0.0037	0.0077	0.0887
35 mph	0.0016	0.0040	0.0028	0.0034	0.0042	0.0031	0.0063	0.0735
40 mph	0.0014	0.0035	0.0024	0.0030	0.0038	0.0027	0.0055	0.0643
45 mph	0.0013	0.0032	0.0022	0.0027	0.0035	0.0025	0.0050	0.0592
50 mph	0.0012	0.0031	0.0021	0.0026	0.0034	0.0024	0.0048	0.0574
55 mph	0.0013	0.0031	0.0021	0.0027	0.0035	0.0024	0.0050	0.0587
60 mph	0.0013	0.0033	0.0022	0.0028	0.0038	0.0026	0.0053	0.0629
65 mph	0.0015	0.0036	0.0025	0.0031	0.0043	0.0030		
70 mph	0.0016	0.0043	0.0026	0.0034	0.0046	0.0029		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0235	0.1100
10 mph	0.0051	0.0222	0.0090	0.0052	0.0252	0.0253	0.0015	0.0039
15 mph	0.0026	0.0151	0.0044	0.0025	0.0130	0.0130	0.0008	0.0021
20 mph	0.0011	0.0108	0.0017	0.0010	0.0060	0.0059	0.0006	0.0013
25 mph	0.0007	0.0085	0.0011	0.0006	0.0039	0.0039	0.0004	0.0011
30 mph	0.0006	0.0071	0.0008	0.0005	0.0031	0.0030	0.0004	0.0009
35 mph	0.0004	0.0062	0.0006	0.0004	0.0026	0.0025	0.0003	0.0007
40 mph	0.0004	0.0056	0.0005	0.0003	0.0023	0.0022	0.0003	0.0006
45 mph	0.0003	0.0054	0.0005	0.0003	0.0021	0.0020	0.0002	0.0006
50 mph	0.0003	0.0054	0.0004	0.0003	0.0019	0.0018	0.0002	0.0006
55 mph	0.0003	0.0056	0.0004	0.0002	0.0019	0.0018	0.0003	0.0006
60 mph	0.0003	0.0061	0.0003	0.0002	0.0019	0.0018	0.0003	0.0007
65 mph	0.0003	0.0070	0.0003	0.0002	0.0022	0.0020		
70 mph	0.0003	0.0083	0.0004	0.0003	0.0035	0.0030		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.9532
10 mph								11.9451
15 mph								8.1202
20 mph								5.6812
25 mph								4.1725
30 mph								3.1045
35 mph								2.3139
40 mph								1.7296
45 mph								1.2992
50 mph								0.9841
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0086	0.0015	0.0053	0.0149	0.0070	0.0017	0.0090	0.0007	0.0486
15 mph	0.0013	0.0002	0.0008	0.0022	0.0011	0.0003	0.0017	0.0001	0.0077
20 mph	0.0054	0.0010	0.0034	0.0095	0.0046	0.0011	0.0037	0.0003	0.0288
25 mph	0.0165	0.0030	0.0104	0.0294	0.0146	0.0033	0.0111	0.0008	0.0892
30 mph	0.0123	0.0023	0.0078	0.0220	0.0111	0.0025	0.0068	0.0005	0.0654
35 mph	0.0059	0.0011	0.0037	0.0106	0.0054	0.0012	0.0022	0.0002	0.0303
40 mph	0.0022	0.0004	0.0014	0.0039	0.0021	0.0005	0.0017	0.0001	0.0123
45 mph	0.0013	0.0003	0.0008	0.0024	0.0013	0.0003	0.0020	0.0002	0.0086
50 mph	0.0013	0.0002	0.0008	0.0023	0.0013	0.0003	0.0024	0.0002	0.0087
55 mph	0.0023	0.0004	0.0014	0.0041	0.0023	0.0005	0.0002	0.0000	0.0113
60 mph	0.0015	0.0003	0.0010	0.0028	0.0016	0.0003	0.0009	0.0001	0.0085
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0585	0.0107	0.0369	0.1041	0.0523	0.0118	0.0418	0.0032	0.3194

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0029)	(0.0005)	(0.0018)	0.0019	0.0016	0.0004	0.0029	0.0002	0.0018
25 mph	(0.0032)	(0.0006)	(0.0020)	0.0022	0.0018	0.0004	0.0042	0.0003	0.0031
30 mph	(0.0041)	(0.0008)	(0.0026)	0.0028	0.0024	0.0005	0.0080	0.0006	0.0069
35 mph	(0.0054)	(0.0010)	(0.0034)	0.0037	0.0033	0.0007	0.0078	0.0006	0.0063
40 mph	(0.0070)	(0.0013)	(0.0045)	0.0048	0.0044	0.0009	0.0080	0.0006	0.0059
45 mph	(0.0140)	(0.0026)	(0.0089)	0.0096	0.0088	0.0019	0.0052	0.0004	0.0004
50 mph	(0.0114)	(0.0022)	(0.0073)	0.0079	0.0073	0.0016	0.0030	0.0002	(0.0009)
55 mph	(0.0084)	(0.0016)	(0.0053)	0.0058	0.0055	0.0012	0.0010	0.0001	(0.0018)
60 mph	(0.0044)	(0.0008)	(0.0028)	0.0030	0.0029	0.0006	0.0774	0.0062	0.0822
65 mph	(0.0025)	(0.0005)	(0.0015)	0.0017	0.0017	0.0004	-	-	(0.0007)
70 mph	(0.0620)	(0.0127)	(0.0385)	0.0435	0.0417	0.0080	-	-	(0.0201)
total	(0.1255)	(0.0245)	(0.0787)	0.0869	0.0814	0.0165	0.1175	0.0093	0.0830

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1690	0.0519	0.1231	0.0007	0.3448
15 mph	0.0339	0.0060	0.0212	0.0077	0.0044	0.0011	0.0034	0.0003	0.0780
25 mph	-	-	-	-	0.0059	0.0013	0.0072	0.0005	0.0149
35 mph	0.0329	0.0062	0.0209	0.0075	-	-	-	-	0.0675
total	0.0668	0.0122	0.0421	0.0152	0.1794	0.0543	0.1336	0.0015	0.5053

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1690	0.0519	0.1231	0.0007	0.3448
10 mph	0.0086	0.0015	0.0053	0.0149	0.0070	0.0017	0.0090	0.0007	0.0486
15 mph	0.0352	0.0062	0.0220	0.0099	0.0055	0.0013	0.0051	0.0004	0.0857
20 mph	0.0025	0.0004	0.0016	0.0114	0.0063	0.0014	0.0065	0.0005	0.0306
25 mph	0.0133	0.0024	0.0084	0.0315	0.0223	0.0051	0.0225	0.0017	0.1072
30 mph	0.0082	0.0015	0.0052	0.0248	0.0135	0.0030	0.0149	0.0012	0.0723
35 mph	0.0333	0.0063	0.0212	0.0218	0.0087	0.0019	0.0101	0.0008	0.1041
40 mph	(0.0049)	(0.0009)	(0.0031)	0.0088	0.0064	0.0014	0.0097	0.0008	0.0182
45 mph	(0.0127)	(0.0024)	(0.0081)	0.0120	0.0101	0.0022	0.0072	0.0006	0.0089
50 mph	(0.0101)	(0.0019)	(0.0064)	0.0102	0.0086	0.0018	0.0054	0.0004	0.0079
55 mph	(0.0061)	(0.0012)	(0.0039)	0.0099	0.0078	0.0016	0.0013	0.0001	0.0095
60 mph	(0.0029)	(0.0005)	(0.0018)	0.0058	0.0045	0.0009	0.0784	0.0062	0.0907
65 mph	(0.0025)	(0.0005)	(0.0015)	0.0017	0.0017	0.0004	-	-	(0.0007)
70 mph	(0.0620)	(0.0127)	(0.0385)	0.0435	0.0417	0.0080	-	-	(0.0201)
total	(0.0002)	(0.0016)	0.0004	0.2063	0.3131	0.0827	0.2929	0.0141	0.9076

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0001	0.0082	0.0058	0.0024	0.0116	0.0283
15 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0007	0.0004	0.0018	0.0038
20 mph	0.0000	0.0000	0.0000	0.0000	0.0026	0.0018	0.0008	0.0034	0.0086
25 mph	0.0000	0.0000	0.0000	0.0001	0.0072	0.0049	0.0025	0.0116	0.0264
30 mph	0.0000	0.0000	0.0000	0.0001	0.0054	0.0037	0.0016	0.0075	0.0184
35 mph	0.0000	0.0000	0.0000	0.0000	0.0027	0.0018	0.0005	0.0025	0.0076
40 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0004	0.0019	0.0040
45 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	0.0005	0.0022	0.0037
50 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	0.0006	0.0027	0.0042
55 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0006	0.0001	0.0003	0.0019
60 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	0.0003	0.0013	0.0026
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0002	0.0000	0.0001	0.0004	0.0308	0.0213	0.0100	0.0467	0.1095

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0009	0.0006	0.0006	0.0026	0.0048
25 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0009	0.0006	0.0009	0.0044	0.0068
30 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0012	0.0008	0.0019	0.0088	0.0127
35 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0016	0.0011	0.0019	0.0087	0.0133
40 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0021	0.0014	0.0019	0.0087	0.0141
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0041	0.0028	0.0012	0.0057	0.0138
50 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0033	0.0022	0.0008	0.0034	0.0096
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0023	0.0015	0.0003	0.0013	0.0054
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0012	0.0008	0.0225	0.1039	0.1284
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0007	0.0004	-	-	0.0011
70 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0254	0.0152	-	-	0.0405
total	(0.0003)	(0.0000)	(0.0001)	0.0002	0.0437	0.0274	0.0320	0.1476	0.2505

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0090	0.0063	0.0044	0.0390	0.0587
15 mph	0.0002	0.0000	0.0001	0.0000	0.0040	0.0028	0.0007	0.0036	0.0114
25 mph	-	-	-	-	0.0029	0.0020	0.0016	0.0075	0.0140
35 mph	0.0001	0.0000	0.0000	0.0000	-	-	-	-	0.0002
total	0.0003	0.0000	0.0001	0.0001	0.0159	0.0111	0.0068	0.0500	0.0843

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0090	0.0063	0.0044	0.0390	0.0587
10 mph	0.0001	0.0000	0.0000	0.0001	0.0082	0.0058	0.0024	0.0116	0.0283
15 mph	0.0002	0.0000	0.0001	0.0001	0.0049	0.0035	0.0011	0.0054	0.0153
20 mph	0.0000	0.0000	0.0000	0.0000	0.0035	0.0024	0.0014	0.0060	0.0134
25 mph	0.0000	0.0000	0.0000	0.0001	0.0110	0.0076	0.0051	0.0234	0.0472
30 mph	0.0000	0.0000	0.0000	0.0001	0.0066	0.0045	0.0035	0.0163	0.0311
35 mph	0.0001	0.0000	0.0000	0.0001	0.0043	0.0029	0.0024	0.0112	0.0210
40 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0031	0.0021	0.0023	0.0106	0.0181
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0047	0.0032	0.0017	0.0080	0.0175
50 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0038	0.0026	0.0013	0.0061	0.0139
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0033	0.0022	0.0003	0.0016	0.0073
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0018	0.0012	0.0228	0.1052	0.1310
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0007	0.0004	-	-	0.0011
70 mph	(0.0001)	(0.0000)	(0.0000)	0.0001	0.0254	0.0152	-	-	0.0405
total	0.0002	(0.0000)	0.0001	0.0007	0.0903	0.0598	0.0488	0.2443	0.4443

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1.9856	1.9856
15 mph								0.3857	0.3857
20 mph								0.8095	0.8095
25 mph								2.4771	2.4771
30 mph								1.4745	1.4745
35 mph								0.4396	0.4396
40 mph								0.2875	0.2875
45 mph								0.2777	0.2777
50 mph								0.2571	0.2571
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	8.3942	8.3942

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.6321	0.6321
25 mph								0.9284	0.9284
30 mph								1.7270	1.7270
35 mph								1.5446	1.5446
40 mph								1.3470	1.3470
45 mph								0.7227	0.7227
50 mph								0.3285	0.3285
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	4.8321	4.8321

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0385	0.0385
15 mph								0.7630	0.7630
25 mph								1.5910	1.5910
35 mph								-	-
total	-	-	-	-	-	-	-	2.3925	2.3925

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0385	0.0385
10 mph								1.9856	1.9856
15 mph								1.1487	1.1487
20 mph								1.4415	1.4415
25 mph								4.9965	4.9965
30 mph								3.2015	3.2015
35 mph								1.9842	1.9842
40 mph								1.6345	1.6345
45 mph								1.0004	1.0004
50 mph								0.5855	0.5855
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	18.0170	18.0170

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1780	0.0582	0.1275	0.0783	0.4420
10 mph	0.0086	0.0015	0.0053	0.0151	0.0153	0.0075	0.0113	1.9979	2.0625
15 mph	0.0354	0.0062	0.0221	0.0100	0.0104	0.0048	0.0062	1.1545	1.2496
20 mph	0.0025	0.0004	0.0016	0.0115	0.0098	0.0039	0.0079	1.4480	1.4855
25 mph	0.0133	0.0024	0.0084	0.0316	0.0332	0.0126	0.0276	5.0216	5.1509
30 mph	0.0082	0.0015	0.0052	0.0249	0.0201	0.0076	0.0184	3.2189	3.3048
35 mph	0.0334	0.0063	0.0213	0.0218	0.0130	0.0048	0.0125	1.9962	2.1093
40 mph	(0.0049)	(0.0009)	(0.0031)	0.0088	0.0095	0.0035	0.0120	1.6459	1.6708
45 mph	(0.0127)	(0.0024)	(0.0081)	0.0121	0.0148	0.0053	0.0089	1.0089	1.0269
50 mph	(0.0102)	(0.0019)	(0.0064)	0.0102	0.0124	0.0044	0.0067	0.5921	0.6073
55 mph	(0.0062)	(0.0012)	(0.0039)	0.0099	0.0110	0.0038	0.0016	0.0017	0.0168
60 mph	(0.0029)	(0.0005)	(0.0018)	0.0058	0.0063	0.0021	0.1012	0.1114	0.2216
65 mph	(0.0025)	(0.0005)	(0.0015)	0.0017	0.0024	0.0008	-	-	0.0004
70 mph	(0.0622)	(0.0127)	(0.0385)	0.0435	0.0671	0.0231	-	-	0.0204
STREX	0.0912	0.0094	0.0463	0.2075	0.0229	0.0071	0.0196	0.0000	0.4042
total	0.0912	0.0078	0.0468	0.4145	0.4263	0.1496	0.3614	18.2754	**19.7731**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0404	0.0552	0.0549	0.0647	0.0204	0.0207	0.0352	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0912	0.0094	0.0463	0.2075	0.0229	0.0071	0.0196	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0912	0.0094	0.0463	0.2075	0.0229	0.0071	0.0196	0.0000

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Net) - Mitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,468.89	5,214.53	13,277.60	22,346.84
10 mph	469.05	547.53	572.67	707.71	1,471.68	1,693.02	3,051.34	3,637.55
15 mph	383.33	447.32	467.73	577.37	1,201.85	1,381.63	2,495.55	2,985.27
20 mph	318.85	372.10	389.04	480.33	999.24	1,148.88	2,071.52	2,487.31
25 mph	272.62	318.29	332.83	411.33	854.21	982.10	1,773.08	2,128.18
30 mph	241.94	282.58	295.57	365.80	758.33	871.92	1,575.79	1,887.53
35 mph	224.37	262.17	274.28	340.14	703.42	808.91	1,461.97	1,747.33
40 mph	217.44	254.06	265.78	329.72	681.02	783.20	1,414.70	1,689.61
45 mph	218.55	255.22	266.97	331.04	683.52	786.09	1,420.88	1,691.02
50 mph	225.13	262.85	274.86	341.21	703.72	808.90	1,461.44	1,738.06
55 mph	233.91	273.09	285.65	354.82	732.65	842.13	1,519.05	1,807.02
60 mph	241.00	281.65	294.84	366.71	762.23	876.08	1,579.67	1,878.12
65 mph	246.81	289.02	302.71	377.32	785.43	902.29		
70 mph	249.71	293.57	305.32	387.47	798.31	913.22		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,633.82	5,849.92	5,979.77	5,673.79
10 mph	390.10	860.54	526.75	656.04	948.79	1,061.28	1,859.83	2,810.50
15 mph	320.94	716.13	436.94	555.47	616.76	703.44	1,463.34	2,182.14
20 mph	263.26	588.14	358.92	461.40	526.42	600.76	1,249.79	1,841.67
25 mph	220.78	491.32	300.99	390.96	466.93	535.44	1,090.73	1,571.47
30 mph	191.32	422.79	260.27	338.49	424.61	483.53	957.40	1,378.53
35 mph	173.06	379.02	234.84	308.10	425.68	484.69	854.99	1,231.75
40 mph	161.97	353.12	219.16	288.41	414.65	467.66	783.20	1,130.27
45 mph	156.46	340.90	211.32	277.45	404.63	449.72	742.14	1,072.52
50 mph	157.00	341.02	211.54	279.19	424.59	466.78	732.15	1,052.51
55 mph	164.24	356.51	221.11	294.61	443.26	482.68	753.28	1,096.47
60 mph	178.10	386.27	239.56	319.01	447.35	484.02	804.94	1,162.43
65 mph	200.37	430.54	269.01	359.35	454.73	487.02		
70 mph	218.69	448.99	286.73	393.87	467.29	500.03		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,755.56
10 mph								4,655.76
15 mph								3,906.99
20 mph								3,409.59
25 mph								3,139.99
30 mph								2,967.24
35 mph								2,830.54
40 mph								2,718.59
45 mph								2,624.68
50 mph								2,544.51
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	544.84	48.12	249.06	701.15	610.54	214.11	943.77	7.62	3,319.22
15 mph	98.95	8.74	45.20	127.12	110.80	38.83	220.53	1.79	651.96
20 mph	493.83	43.60	225.60	634.51	552.72	193.73	549.19	4.46	2,697.64
25 mph	1,759.33	155.40	804.17	2,264.02	1,968.76	690.02	1,958.62	15.91	9,616.23
30 mph	1,498.89	132.45	685.58	1,932.89	1,677.87	588.10	1,392.55	11.29	7,919.61
35 mph	810.84	71.68	371.11	1,048.41	907.88	318.27	516.78	4.18	4,049.16
40 mph	336.76	29.77	154.12	435.55	376.70	132.07	437.56	3.54	1,906.08
45 mph	225.66	19.94	103.21	291.53	252.06	88.37	565.04	4.55	1,550.35
50 mph	232.45	20.53	106.26	300.49	259.50	90.93	710.32	5.72	1,726.21
55 mph	422.65	37.33	193.25	546.83	472.81	165.67	67.12	0.54	1,906.20
60 mph	279.95	24.75	128.23	363.31	316.22	110.80	279.19	2.25	1,504.70
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	6,704.17	592.31	3,065.79	8,645.82	7,505.86	2,630.89	7,640.69	61.84	36,847.36

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(265.71)	(23.46)	(121.39)	130.03	193.59	67.85	428.82	3.49	413.23
25 mph	(340.79)	(30.10)	(155.77)	167.03	248.24	87.00	734.09	5.96	715.67
30 mph	(504.06)	(44.54)	(230.55)	247.58	367.29	128.74	1,631.02	13.22	1,608.70
35 mph	(747.92)	(66.12)	(342.31)	368.33	545.11	191.10	1,815.85	14.69	1,778.74
40 mph	(1,087.20)	(96.11)	(497.57)	535.57	791.63	277.53	2,049.99	16.57	1,990.42
45 mph	(2,367.67)	(209.19)	(1,082.89)	1,165.03	1,721.51	603.54	1,470.68	11.85	1,312.86
50 mph	(2,063.69)	(182.30)	(943.34)	1,016.11	1,499.70	525.51	907.60	7.31	766.88
55 mph	(1,559.40)	(137.74)	(713.00)	768.45	1,135.54	397.89	314.46	2.53	208.72
60 mph	(803.36)	(71.03)	(367.98)	397.10	590.69	206.96	22,890.41	184.22	23,027.02
65 mph	(411.35)	(36.44)	(188.90)	204.29	304.34	106.58	-	-	(21.48)
70 mph	(9,780.39)	(869.92)	(4,477.35)	4,930.12	7,269.13	2,534.91	-	-	(393.50)
total	(19,931.53)	(1,766.95)	(9,121.04)	9,929.65	14,666.78	5,127.60	32,242.91	259.84	31,407.25

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	344.71	122.62	487.12	6.55	961.00
15 mph	2,640.51	233.12	1,206.29	439.89	465.30	163.06	436.34	3.53	5,588.04
25 mph	-	-	-	-	797.90	279.65	1,257.94	10.22	2,345.71
35 mph	4,549.22	402.16	2,082.11	745.58	-	-	-	-	7,779.07
total	7,189.74	635.28	3,288.39	1,185.47	1,607.91	565.33	2,181.40	20.30	16,673.83

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	344.71	122.62	487.12	6.55	961.00
10 mph	544.84	48.12	249.06	701.15	610.54	214.11	943.77	7.62	3,319.22
15 mph	2,739.47	241.86	1,251.49	567.01	576.10	201.89	656.87	5.32	6,240.00
20 mph	228.12	20.14	104.21	764.54	746.31	261.58	978.01	7.95	3,110.87
25 mph	1,418.55	125.30	648.40	2,431.06	3,014.89	1,056.67	3,950.65	32.10	12,677.62
30 mph	994.83	87.91	455.03	2,180.47	2,045.16	716.84	3,023.57	24.52	9,528.31
35 mph	4,612.15	407.72	2,110.91	2,162.32	1,453.00	509.36	2,332.63	18.87	13,606.97
40 mph	(750.44)	(66.34)	(343.44)	971.12	1,168.33	409.60	2,487.55	20.11	3,896.50
45 mph	(2,142.01)	(189.25)	(979.68)	1,456.56	1,973.56	691.91	2,035.72	16.40	2,863.21
50 mph	(1,831.24)	(161.77)	(837.09)	1,316.60	1,759.20	616.44	1,617.92	13.02	2,493.09
55 mph	(1,136.75)	(100.41)	(519.75)	1,315.28	1,608.35	563.55	381.58	3.07	2,114.92
60 mph	(523.41)	(46.28)	(239.75)	760.41	906.91	317.76	23,169.60	186.46	24,531.71
65 mph	(411.35)	(36.44)	(188.90)	204.29	304.34	106.58	-	-	(21.48)
70 mph	(9,780.39)	(869.92)	(4,477.35)	4,930.12	7,269.13	2,534.91	-	-	(393.50)
total	(6,037.63)	(539.36)	(2,766.85)	19,760.94	23,780.55	8,323.82	42,065.01	341.98	84,928.45

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	4.58	0.03	1.76	16.70	311.06	244.74	2,947.30	8,402.95	11,929.11
15 mph	0.84	0.01	0.32	3.14	44.93	36.05	662.56	1,864.07	2,611.92
20 mph	4.12	0.03	1.59	15.66	230.12	184.72	1,697.62	4,719.70	6,853.56
25 mph	14.39	0.09	5.57	55.29	850.46	685.99	6,173.20	16,780.13	24,565.13
30 mph	11.97	0.08	4.63	45.96	742.44	594.71	4,334.88	11,775.95	17,510.61
35 mph	6.32	0.04	2.43	24.40	434.18	347.74	1,548.47	4,208.83	6,572.43
40 mph	2.53	0.02	0.97	9.79	181.26	143.80	1,241.15	3,379.34	4,958.85
45 mph	1.63	0.01	0.63	6.28	117.92	92.19	1,512.10	4,122.86	5,853.61
50 mph	1.64	0.01	0.63	6.32	123.73	95.68	1,823.24	4,945.03	6,996.29
55 mph	3.00	0.02	1.15	11.67	226.06	173.15	170.53	468.33	1,053.90
60 mph	2.09	0.01	0.80	8.12	146.66	111.62	728.91	1,985.99	2,984.20
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	53.12	0.35	20.48	203.33	3,408.82	2,710.40	22,839.96	62,653.16	91,889.61

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(2.22)	(0.01)	(0.86)	3.21	80.60	64.70	1,325.56	3,685.30	5,156.27
25 mph	(2.79)	(0.02)	(1.08)	4.08	107.23	86.50	2,313.71	6,289.19	8,796.83
30 mph	(4.03)	(0.03)	(1.56)	5.89	162.52	130.18	5,077.22	13,792.57	19,162.78
35 mph	(5.83)	(0.04)	(2.25)	8.57	260.69	208.79	5,440.95	14,788.76	20,699.66
40 mph	(8.18)	(0.05)	(3.14)	12.04	380.91	302.19	5,814.76	15,832.19	22,330.71
45 mph	(17.13)	(0.11)	(6.57)	25.09	805.36	629.63	3,935.66	10,730.87	16,102.81
50 mph	(14.54)	(0.09)	(5.56)	21.36	715.08	552.97	2,329.60	6,318.40	9,917.21
55 mph	(11.06)	(0.07)	(4.23)	16.39	542.92	415.85	798.95	2,194.10	3,952.86
60 mph	(6.00)	(0.04)	(2.29)	8.88	273.96	208.51	59,761.81	162,825.95	223,070.78
65 mph	(3.37)	(0.02)	(1.29)	5.00	139.24	104.90	-	-	244.46
70 mph	(86.54)	(0.52)	(32.22)	128.77	3,362.53	2,531.00	-	-	5,903.02
total	(161.68)	(1.01)	(61.04)	239.28	6,831.05	5,235.21	86,798.23	236,457.34	335,337.38

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	221.51	250.84	1,124.02	2,012.15	3,608.52
15 mph	22.34	0.15	8.64	10.87	188.70	151.39	1,310.90	3,688.13	5,381.11
25 mph	-	-	-	-	344.67	278.02	3,964.81	10,777.22	15,364.72
35 mph	35.45	0.23	13.66	17.35	-	-	-	-	66.69
total	57.79	0.38	22.30	28.23	754.88	680.24	6,399.73	16,477.51	24,421.05

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	221.51	250.84	1,124.02	2,012.15	3,608.52
10 mph	4.58	0.03	1.76	16.70	311.06	244.74	2,947.30	8,402.95	11,929.11
15 mph	23.17	0.15	8.96	14.02	233.63	187.44	1,973.46	5,552.21	7,993.04
20 mph	1.90	0.01	0.74	18.87	310.71	249.42	3,023.18	8,404.99	12,009.83
25 mph	11.61	0.08	4.49	59.37	1,302.36	1,050.50	12,451.72	33,846.55	48,726.68
30 mph	7.95	0.05	3.07	51.84	904.97	724.90	9,412.10	25,568.52	36,673.39
35 mph	35.94	0.23	13.85	50.33	694.88	556.54	6,989.42	18,997.59	27,338.78
40 mph	(5.65)	(0.04)	(2.17)	21.83	562.17	445.98	7,055.91	19,211.53	27,289.56
45 mph	(15.49)	(0.10)	(5.94)	31.37	923.28	721.81	5,447.76	14,853.73	21,956.42
50 mph	(12.90)	(0.08)	(4.94)	27.68	838.81	648.65	4,152.85	11,263.43	16,913.50
55 mph	(8.06)	(0.05)	(3.08)	28.06	768.98	589.00	969.48	2,662.43	5,006.75
60 mph	(3.91)	(0.03)	(1.49)	17.00	420.62	320.13	60,490.73	164,811.94	226,054.99
65 mph	(3.37)	(0.02)	(1.29)	5.00	139.24	104.90	-	-	244.46
70 mph	(86.54)	(0.52)	(32.22)	128.77	3,362.53	2,531.00	-	-	5,903.02
total	(50.78)	(0.29)	(18.27)	470.83	10,994.75	8,625.85	116,037.92	315,588.02	451,648.03

CO2 Emissions (pounds/day) - Natural Gas/Natural Gas (HHDT Only)

Surface Street Emissions Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								773.93	773.93
15 mph								185.56	185.56
20 mph								485.81	485.81
25 mph								1,864.15	1,864.15
30 mph								1,409.27	1,409.27
35 mph								537.74	537.74
40 mph								451.91	451.91
45 mph								560.96	560.96
50 mph								664.68	664.68
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	6,934.01	6,934.01

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								379.34	379.34
25 mph								698.68	698.68
30 mph								1,650.61	1,650.61
35 mph								1,889.48	1,889.48
40 mph								2,117.21	2,117.21
45 mph								1,460.05	1,460.05
50 mph								849.27	849.27
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	4,618.11	4,618.11

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								113.48	113.48
15 mph								367.14	367.14
25 mph								1,197.27	1,197.27
35 mph								-	-
total	-	-	-	-	-	-	-	1,677.89	1,677.89

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								113.48	113.48
10 mph								773.93	773.93
15 mph								552.70	552.70
20 mph								865.14	865.14
25 mph								3,760.10	3,760.10
30 mph								3,059.89	3,059.89
35 mph								2,427.22	2,427.22
40 mph								2,569.13	2,569.13
45 mph								2,021.01	2,021.01
50 mph								1,513.95	1,513.95
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	17,656.56	17,656.56

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	566.23	373.45	1,611.14	2,132.19	4,683.01
10 mph	549.42	48.15	250.82	717.86	921.60	458.85	3,891.07	9,184.49	16,022.26
15 mph	2,762.64	242.01	1,260.45	581.02	809.73	389.32	2,630.33	6,110.22	14,785.73
20 mph	230.02	20.15	104.95	783.41	1,057.03	511.00	4,001.19	9,278.09	15,985.84
25 mph	1,430.15	125.37	652.90	2,490.43	4,317.25	2,107.18	16,402.37	37,638.75	65,164.40
30 mph	1,002.78	87.96	458.10	2,232.31	2,950.13	1,441.74	12,435.66	28,652.93	49,261.60
35 mph	4,648.09	407.95	2,124.76	2,212.65	2,147.88	1,065.90	9,322.06	21,443.68	43,372.97
40 mph	(756.08)	(66.37)	(345.61)	992.95	1,730.50	855.58	9,543.46	21,800.77	33,755.19
45 mph	(2,157.50)	(189.35)	(985.62)	1,487.93	2,896.85	1,413.72	7,483.47	16,891.14	26,840.64
50 mph	(1,844.15)	(161.85)	(842.02)	1,344.28	2,598.01	1,265.09	5,770.77	12,790.41	20,920.54
55 mph	(1,144.82)	(100.46)	(522.84)	1,343.34	2,377.33	1,152.56	1,351.06	2,665.50	7,121.67
60 mph	(527.32)	(46.30)	(241.24)	777.41	1,327.53	637.88	83,660.33	164,998.40	250,586.70
65 mph	(414.72)	(36.47)	(190.18)	209.29	443.58	211.48	-	-	222.97
70 mph	(9,866.93)	(870.45)	(4,509.57)	5,058.89	10,631.67	5,065.90	-	-	5,509.52
STREX	113.49	10.08	53.11	250.11	20.60	7.15	20.40	0.17	475.11
total	(5,974.93)	(529.57)	(2,732.01)	20,481.88	34,795.90	16,956.82	158,123.33	333,586.73	**554,708.15**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	50.28	59.01	62.85	78.00	18.35	20.89	36.56	45.28
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	113.49	10.08	53.11	250.11	20.60	7.15	20.40	0.17
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	113.49	10.08	53.11	250.11	20.60	7.15	20.40	0.17

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Project) - Mitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
79.80	1,283.68	1,210.92	10.97	12.85	293.39	141.48	447.72	12.22	72.01	55.52	139.75	9.12	121.85	35.77	1,167,473.13

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
14.56	234.27	220.99	2.00	2.35	53.54	25.82	81.71	2.23	13.14	10.13	25.50	1.66	22.24	6.53	213,063.85

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Project) - Mitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	15,675.97	158.38	473.33	313,635.86	3,168.70	9,470.11
LDT1	1,186.00	0.47	16.73	23,728.76	9.35	334.65
LDT2	5,869.20	44.98	107.19	117,427.61	899.85	2,144.64
MDT	1,679.46	43.15	28.38	24,885.13	639.41	420.55
LHDT1	839.69	663.57	-	20,040.23	15,837.05	-
LHDT2	255.97	466.76	-	6,109.12	11,139.94	-
MHDT	399.28	2,045.75	-	17,578.76	90,065.83	-
HHDT	2.70	3,859.67	214.59	118.99	169,925.30	9,447.59

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	163,070.91	1,647.52	4,923.86	150,564.96	1,521.17	4,546.25
LDT1	12,337.46	4.86	173.99	11,391.30	4.49	160.65
LDT2	61,054.97	467.87	1,115.08	56,372.65	431.98	1,029.56
MDT	11,557.29	296.96	195.31	13,327.84	342.45	225.23
LHDT1	7,878.34	6,225.96	-	12,161.89	9,611.10	-
LHDT2	2,401.65	4,379.40	-	3,707.47	6,760.54	-
MHDT	3,680.46	18,857.08	-	13,898.30	71,208.75	-
HHDT	24.91	35,577.25	1,978.04	94.08	134,348.05	7,469.54

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	7%	0%	0%
15	1%	2%	0%	0%
20	6%	6%	1%	1%
25	25%	25%	2%	2%
30	24%	20%	3%	5%
35	14%	8%	4%	6%
40	6%	7%	6%	7%
45	4%	9%	13%	5%
50	4%	11%	11%	3%
55	7%	1%	8%	1%
60	5%	4%	4%	70%
65	0%	0%	2%	0%
70	0%	0%	47%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	7,338.19	555.19	2,747.47	520.08	354.53	108.07	257.63	1.74	11,882.90
15 mph	1,630.71	123.37	610.55	115.57	78.78	24.02	73.61	0.50	2,657.11
20 mph	9,784.25	740.25	3,663.30	693.44	472.70	144.10	220.83	1.49	15,720.36
25 mph	40,767.73	3,084.37	15,263.74	2,889.32	1,969.58	600.41	920.12	6.23	65,501.50
30 mph	39,137.02	2,960.99	14,653.19	2,773.75	1,890.80	576.40	736.09	4.98	62,733.22
35 mph	22,829.93	1,727.24	8,547.70	1,618.02	1,102.97	336.23	294.44	1.99	36,458.52
40 mph	9,784.25	740.25	3,663.30	693.44	472.70	144.10	257.63	1.74	15,757.41
45 mph	6,522.84	493.50	2,442.20	462.29	315.13	96.07	331.24	2.24	10,665.51
50 mph	6,522.84	493.50	2,442.20	462.29	315.13	96.07	404.85	2.74	10,739.62
55 mph	11,414.96	863.62	4,273.85	809.01	551.48	168.12	36.80	0.25	18,118.10
60 mph	7,338.19	555.19	2,747.47	520.08	354.53	108.07	147.22	1.00	11,771.74
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	163,070.91	12,337.46	61,054.97	11,557.29	7,878.34	2,401.65	3,680.46	24.91	262,005.99

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	1,505.65	113.91	563.73	133.28	121.62	37.07	138.98	0.94	2,615.18
25 mph	2,258.47	170.87	845.59	199.92	182.43	55.61	277.97	1.88	3,992.74
30 mph	3,764.12	284.78	1,409.32	333.20	304.05	92.69	694.91	4.70	6,887.77
35 mph	6,022.60	455.65	2,254.91	533.11	486.48	148.30	833.90	5.64	10,740.59
40 mph	9,033.90	683.48	3,382.36	799.67	729.71	222.45	972.88	6.59	15,831.03
45 mph	19,573.44	1,480.87	7,328.44	1,732.62	1,581.05	481.97	694.91	4.70	32,878.01
50 mph	16,562.15	1,253.04	6,200.99	1,466.06	1,337.81	407.82	416.95	2.82	27,647.64
55 mph	12,045.20	911.30	4,509.81	1,066.23	972.95	296.60	138.98	0.94	19,942.01
60 mph	6,022.60	455.65	2,254.91	533.11	486.48	148.30	9,728.81	65.85	19,695.71
65 mph	3,011.30	227.83	1,127.45	266.56	243.24	74.15	-	-	4,950.52
70 mph	70,765.53	5,353.91	26,495.14	6,264.09	5,716.09	1,742.51	-	-	116,337.27
total	150,564.96	11,391.30	56,372.65	13,327.84	12,161.89	3,707.47	13,898.30	94.08	261,518.48

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	34.98	10.66	16.64	0.13	62.42
15 mph	3,123.95	236.35	1,169.63	345.53	175.58	53.52	79.29	0.54	5,184.39
25 mph	-	-	-	-	516.70	157.51	345.76	2.34	1,022.31
35 mph	48,149.74	3,642.87	18,027.62	2,223.30	-	-	-	-	72,043.53
total	51,273.69	3,879.22	19,197.25	2,568.83	692.27	211.03	425.05	2.88	78,250.23

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	34.98	10.66	16.64	0.13	62.42
10 mph	7,338.19	555.19	2,747.47	520.08	354.53	108.07	257.63	1.74	11,882.90
15 mph	4,754.66	359.72	1,780.18	461.10	254.36	77.54	152.90	1.03	7,841.51
20 mph	11,289.90	854.16	4,227.02	826.72	594.32	181.17	359.81	2.44	18,335.54
25 mph	43,026.20	3,255.24	16,109.33	3,089.24	2,668.71	813.54	1,543.84	10.45	70,516.54
30 mph	42,901.14	3,245.77	16,062.51	3,106.95	2,194.85	669.08	1,431.01	9.69	69,620.99
35 mph	77,002.27	5,825.76	28,830.22	4,374.43	1,589.44	484.53	1,128.33	7.64	119,242.64
40 mph	18,818.15	1,423.73	7,045.66	1,493.11	1,202.41	366.55	1,230.51	8.33	31,588.45
45 mph	26,096.28	1,974.37	9,770.64	2,194.91	1,896.18	578.04	1,026.16	6.95	43,543.52
50 mph	23,084.98	1,746.54	8,643.19	1,928.35	1,652.94	503.89	821.80	5.56	38,387.26
55 mph	23,460.16	1,774.93	8,783.66	1,875.24	1,524.44	464.71	175.79	1.19	38,060.11
60 mph	13,360.79	1,010.84	5,002.38	1,053.19	841.00	256.37	9,876.03	66.85	31,467.45
65 mph	3,011.30	227.83	1,127.45	266.56	243.24	74.15	-	-	4,950.52
70 mph	70,765.53	5,353.91	26,495.14	6,264.09	5,716.09	1,742.51	-	-	116,337.27
total	364,909.56	27,607.98	136,624.87	27,453.96	20,732.50	6,320.15	18,003.82	121.87	601,774.70

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	74.14	0.22	21.05	13.36	280.17	197.07	1,320.00	2,490.41	4,396.42
15 mph	16.48	0.05	4.68	2.97	62.26	43.79	377.14	711.55	1,218.91
20 mph	98.85	0.29	28.07	17.82	373.56	262.76	1,131.42	2,134.64	4,047.41
25 mph	411.88	1.22	116.97	74.24	1,556.49	1,094.85	4,714.27	8,894.31	16,864.23
30 mph	395.41	1.17	112.29	71.27	1,494.23	1,051.06	3,771.42	7,115.45	14,012.28
35 mph	230.65	0.68	65.50	41.57	871.63	613.12	1,508.57	2,846.18	6,177.91
40 mph	98.85	0.29	28.07	17.82	373.56	262.76	1,320.00	2,490.41	4,591.76
45 mph	65.90	0.19	18.71	11.88	249.04	175.18	1,697.14	3,201.95	5,419.99
50 mph	65.90	0.19	18.71	11.88	249.04	175.18	2,074.28	3,913.50	6,508.68
55 mph	115.33	0.34	32.75	20.79	435.82	306.56	188.57	355.77	1,455.92
60 mph	74.14	0.22	21.05	13.36	280.17	197.07	754.28	1,423.09	2,763.39
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	1,647.52	4.86	467.87	296.96	6,225.96	4,379.40	18,857.08	35,577.25	67,456.90

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	15.21	0.04	4.32	3.42	96.11	67.61	712.09	1,343.48	2,242.29
25 mph	22.82	0.07	6.48	5.14	144.17	101.41	1,424.18	2,686.96	4,391.21
30 mph	38.03	0.11	10.80	8.56	240.28	169.01	3,560.44	6,717.40	10,744.63
35 mph	60.85	0.18	17.28	13.70	384.44	270.42	4,272.53	8,060.88	13,080.28
40 mph	91.27	0.27	25.92	20.55	576.67	405.63	4,984.61	9,404.36	15,509.28
45 mph	197.75	0.58	56.16	44.52	1,249.44	878.87	3,560.44	6,717.40	12,705.17
50 mph	167.33	0.49	47.52	37.67	1,057.22	743.66	2,136.26	4,030.44	8,220.60
55 mph	121.69	0.36	34.56	27.40	768.89	540.84	712.09	1,343.48	3,549.31
60 mph	60.85	0.18	17.28	13.70	384.44	270.42	49,846.13	94,043.64	144,636.63
65 mph	30.42	0.09	8.64	6.85	192.22	135.21	-	-	373.43
70 mph	714.95	2.11	203.03	160.95	4,517.21	3,177.45	-	-	8,775.72
total	1,521.17	4.49	431.98	342.45	9,611.10	6,760.54	71,208.75	134,348.05	224,228.54

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	27.65	19.45	85.25	160.83	293.17
15 mph	31.56	0.09	8.96	8.88	138.75	97.60	406.27	766.51	1,458.63
25 mph	-	-	-	-	408.33	287.22	1,771.52	3,342.29	5,809.35
35 mph	486.46	1.44	138.15	57.13	-	-	-	-	683.17
total	518.02	1.53	147.11	66.01	547.08	384.82	2,177.79	4,108.79	7,951.15

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	27.65	19.45	85.25	160.83	293.17
10 mph	74.14	0.22	21.05	13.36	280.17	197.07	1,320.00	2,490.41	4,396.42
15 mph	48.04	0.14	13.64	11.85	201.01	141.39	783.41	1,478.05	2,677.54
20 mph	114.06	0.34	32.39	21.24	469.67	330.37	1,843.51	3,478.12	6,289.70
25 mph	434.70	1.28	123.45	79.38	2,108.98	1,483.48	7,909.96	14,923.56	27,064.79
30 mph	433.43	1.28	123.09	79.83	1,734.51	1,220.07	7,331.85	13,832.85	24,756.92
35 mph	777.96	2.30	220.93	112.40	1,256.08	883.54	5,781.09	10,907.06	19,941.36
40 mph	190.12	0.56	53.99	38.36	950.22	668.40	6,304.61	11,894.77	20,101.04
45 mph	263.65	0.78	74.87	56.40	1,498.48	1,054.05	5,257.57	9,919.36	18,125.16
50 mph	233.23	0.69	66.23	49.55	1,306.26	918.84	4,210.54	7,943.94	14,729.27
55 mph	237.02	0.70	67.31	48.18	1,204.70	847.40	900.66	1,699.25	5,005.23
60 mph	134.99	0.40	38.33	27.06	664.61	467.49	50,600.41	95,466.73	147,400.02
65 mph	30.42	0.09	8.64	6.85	192.22	135.21	-	-	373.43
70 mph	714.95	2.11	203.03	160.95	4,517.21	3,177.45	-	-	8,775.72
total	3,686.72	10.88	1,046.96	705.42	16,384.13	11,524.76	92,243.62	174,034.10	299,636.60

Surface Street VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	221.57	7.83	50.18	8.79	-	-	-	138.46	426.83
15 mph	49.24	1.74	11.15	1.95	-	-	-	39.56	103.64
20 mph	295.43	10.44	66.90	11.72	-	-	-	118.68	503.18
25 mph	1,230.97	43.50	278.77	48.83	-	-	-	494.51	2,096.57
30 mph	1,181.73	41.76	267.62	46.88	-	-	-	395.61	1,933.59
35 mph	689.34	24.36	156.11	27.34	-	-	-	158.24	1,055.40
40 mph	295.43	10.44	66.90	11.72	-	-	-	138.46	522.96
45 mph	196.95	6.96	44.60	7.81	-	-	-	178.02	434.35
50 mph	196.95	6.96	44.60	7.81	-	-	-	217.58	473.91
55 mph	344.67	12.18	78.06	13.67	-	-	-	19.78	468.36
60 mph	221.57	7.83	50.18	8.79	-	-	-	79.12	367.49
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	4,923.86	173.99	1,115.08	195.31	-	-	-	1,978.04	8,386.29

Freeway VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	45.46	1.61	10.30	2.25	-	-	-	74.70	134.31
25 mph	68.19	2.41	15.44	3.38	-	-	-	149.39	238.82
30 mph	113.66	4.02	25.74	5.63	-	-	-	373.48	522.52
35 mph	181.85	6.43	41.18	9.01	-	-	-	448.17	686.64
40 mph	272.78	9.64	61.77	13.51	-	-	-	522.87	880.57
45 mph	591.01	20.88	133.84	29.28	-	-	-	373.48	1,148.50
50 mph	500.09	17.67	113.25	24.78	-	-	-	224.09	879.87
55 mph	363.70	12.85	82.36	18.02	-	-	-	74.70	551.63
60 mph	181.85	6.43	41.18	9.01	-	-	-	5,228.68	5,467.15
65 mph	90.93	3.21	20.59	4.50	-	-	-	-	119.23
70 mph	2,136.74	75.51	483.89	105.86	-	-	-	-	2,802.00
total	4,546.25	160.65	1,029.56	225.23	-	-	-	7,469.54	13,431.24

Internal VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	8.94	8.94
15 mph	94.33	3.33	21.36	5.84	-	-	-	42.62	167.48
25 mph	-	-	-	-	-	-	-	185.83	185.83
35 mph	1,453.86	51.38	329.25	37.57	-	-	-	-	1,872.06
total	1,548.19	54.71	350.61	43.41	-	-	-	228.44	2,225.36

Total VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	8.94	8.94
10 mph	221.57	7.83	50.18	8.79	-	-	-	138.46	426.83
15 mph	143.57	5.07	32.51	7.79	-	-	-	82.18	271.12
20 mph	340.89	12.05	77.20	13.97	-	-	-	193.38	637.49
25 mph	1,299.16	45.91	294.21	52.21	-	-	-	829.73	2,521.21
30 mph	1,295.38	45.78	293.36	52.51	-	-	-	769.09	2,456.11
35 mph	2,325.05	82.16	526.54	73.93	-	-	-	606.42	3,614.10
40 mph	568.21	20.08	128.68	25.23	-	-	-	661.33	1,403.53
45 mph	787.97	27.84	178.45	37.09	-	-	-	551.50	1,582.85
50 mph	697.04	24.63	157.85	32.59	-	-	-	441.67	1,353.79
55 mph	708.37	25.03	160.42	31.69	-	-	-	94.48	1,019.99
60 mph	403.42	14.26	91.36	17.80	-	-	-	5,307.80	5,834.64
65 mph	90.93	3.21	20.59	4.50	-	-	-	-	119.23
70 mph	2,136.74	75.51	483.89	105.86	-	-	-	-	2,802.00
total	5,625.63	198.79	1,274.00	209.19	-	-	-	2,619.25	24,042.89

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Project) - Mitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	15280	330	0.21	3208.9	3084.6	31.2	93.1
	LDT1	15	1127	330	0.21	236.8	233.4	0.1	3.3
	LDT2	15	5642	330	0.21	1184.8	1154.9	8.8	21.1
	MDT	15	1700	330	0.21	357.0	342.4	8.8	5.8
	LHDT1	15	1494	330	0.21	313.6	175.2	138.4	0.0
	LHDT2	15	718	330	0.21	150.8	53.4	97.4	0.0
	MHDT	15	2286	330	0.21	480.2	78.4	401.7	0.0
	HHDT	15	3813	330	0.21	800.6	0.5	758.0	42.1
Travel at Light Logistics	LDA	15	45	175	0.11	4.9	4.7	0.0	0.1
	LDT1	15	3	175	0.11	0.4	0.4	0.0	0.0
	LDT2	15	16	175	0.11	1.8	1.8	0.0	0.0
	MDT	15	4	175	0.11	0.5	0.4	0.0	0.0
	LHDT1	15	2	175	0.11	0.3	0.1	0.1	0.0
	LHDT2	15	1	175	0.11	0.1	0.0	0.1	0.0
	MHDT	15	3	175	0.11	0.3	0.1	0.3	0.0
	HHDT	15	5	175	0.11	0.6	0.0	0.5	0.0
Travel at Utility	LDA	15	219	100	0.06	13.1	12.6	0.1	0.4
	LDT1	15	16	100	0.06	1.0	1.0	0.0	0.0
	LDT2	15	81	100	0.06	4.9	4.7	0.0	0.1
	MDT	15	47	100	0.06	2.8	2.7	0.1	0.0
	LHDT1	15	7	100	0.06	0.4	0.2	0.2	0.0
	LHDT2	15	3	100	0.06	0.2	0.1	0.1	0.0
	MHDT	15	14	100	0.06	0.8	0.1	0.7	0.0
	HHDT	15	23	100	0.06	1.4	0.0	1.3	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	142	50	0.03	4.3	0.7	3.6	0.0
	HHDT	15	237	50	0.03	7.1	0.0	6.7	0.4
Travel at Convenience Store	LDA	15	669	50	0.03	20.1	19.3	0.2	0.6
	LDT1	15	49	50	0.03	1.5	1.5	0.0	0.0
	LDT2	15	247	50	0.03	7.4	7.2	0.1	0.1
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	95	50	0.03	2.8	2.7	0.0	0.1
	LDT1	15	7	50	0.03	0.2	0.2	0.0	0.0
	LDT2	15	35	50	0.03	1.1	1.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	3123.9	236.3	1169.6	345.5	175.6	53.5	79.3	0.5
Diesel	31.6	0.1	9.0	8.9	138.8	97.6	406.3	766.5
Electric/Natural Gas (HHDT Only)	94.3	3.3	21.4	5.8	0.0	0.0	0.0	42.6

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Project) - Mitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	747	417	330	0	2085.6	1648.2	0.0
	LHDT2	5	359	127	232	0	635.8	1159.3	0.0
	MHDT	5	1143	187	957	0	933.5	4782.7	0.0
	HHDT	5	1906	1	1805	100	6.3	9023.4	501.7
Travel at Light Logistics	LHDT1	5	1	1	1	0	3.4	2.7	0.0
	LHDT2	5	1	0	0	0	1.0	1.9	0.0
	MHDT	5	2	0	1	0	1.2	6.3	0.0
	HHDT	5	3	0	2	0	0.0	11.8	0.7
Travel at Utility	LHDT1	5	4	2	2	0	9.9	7.9	0.0
	LHDT2	5	2	1	1	0	3.0	5.5	0.0
	MHDT	5	7	1	6	0	5.5	28.4	0.0
	HHDT	5	11	0	11	1	0.0	53.6	3.0
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	71	12	59	0	58.1	297.5	0.0
	HHDT	5	119	0	112	6	0.4	561.3	31.2
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	35.0	10.7	16.6	0.1
Diesel	27.6	19.4	85.2	160.8
Electric**/Natural Gas (HHDT Only)**	0.0	0.0	0.0	8.9

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Project) - Mitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					16.5775	16.7147	27.0246	11.9128
10 mph	0.0266	0.0724	0.0480	0.0606	0.0762	0.0552	0.1335	1.5332
15 mph	0.0179	0.0493	0.0324	0.0409	0.0522	0.0374	0.0896	1.0155
20 mph	0.0126	0.0355	0.0231	0.0291	0.0384	0.0268	0.0638	0.7219
25 mph	0.0093	0.0266	0.0171	0.0216	0.0291	0.0199	0.0467	0.5364
30 mph	0.0072	0.0210	0.0133	0.0169	0.0232	0.0156	0.0358	0.4214
35 mph	0.0059	0.0174	0.0109	0.0138	0.0196	0.0129	0.0291	0.3503
40 mph	0.0051	0.0152	0.0095	0.0120	0.0175	0.0114	0.0255	0.3071
45 mph	0.0047	0.0139	0.0087	0.0111	0.0164	0.0105	0.0232	0.2830
50 mph	0.0045	0.0134	0.0083	0.0106	0.0161	0.0102	0.0224	0.2742
55 mph	0.0045	0.0134	0.0084	0.0108	0.0167	0.0104	0.0231	0.2811
60 mph	0.0048	0.0139	0.0088	0.0113	0.0179	0.0112	0.0248	0.3007
65 mph	0.0053	0.0152	0.0096	0.0125	0.0205	0.0127		
70 mph	0.0055	0.0181	0.0100	0.0135	0.0212	0.0119		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5054	2.3680
10 mph	0.1088	0.4774	0.1930	0.1109	0.5417	0.5436	0.0324	0.0835
15 mph	0.0556	0.3253	0.0948	0.0549	0.2798	0.2797	0.0180	0.0457
20 mph	0.0242	0.2328	0.0375	0.0224	0.1282	0.1266	0.0122	0.0282
25 mph	0.0155	0.1827	0.0227	0.0140	0.0845	0.0830	0.0096	0.0234
30 mph	0.0120	0.1522	0.0172	0.0107	0.0669	0.0653	0.0078	0.0189
35 mph	0.0097	0.1331	0.0138	0.0087	0.0564	0.0545	0.0064	0.0156
40 mph	0.0082	0.1214	0.0114	0.0073	0.0493	0.0473	0.0055	0.0134
45 mph	0.0072	0.1154	0.0097	0.0063	0.0444	0.0424	0.0050	0.0124
50 mph	0.0066	0.1152	0.0085	0.0056	0.0419	0.0398	0.0051	0.0124
55 mph	0.0062	0.1205	0.0076	0.0051	0.0403	0.0381	0.0056	0.0138
60 mph	0.0062	0.1313	0.0072	0.0050	0.0411	0.0387	0.0065	0.0160
65 mph	0.0065	0.1510	0.0073	0.0052	0.0472	0.0439		
70 mph	0.0066	0.1780	0.0076	0.0058	0.0761	0.0645		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0769
10 mph								0.6514
15 mph								0.4069
20 mph								0.2600
25 mph								0.1922
30 mph								0.1469
35 mph								0.1129
40 mph								0.0875
45 mph								0.0689
50 mph								0.0555
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.4311	0.0886	0.2910	0.0695	0.0596	0.0132	0.0758	0.0059	1.0346
15 mph	0.0644	0.0134	0.0437	0.0104	0.0091	0.0020	0.0145	0.0011	0.1586
20 mph	0.2723	0.0580	0.1862	0.0445	0.0400	0.0085	0.0311	0.0024	0.6430
25 mph	0.8356	0.1812	0.5751	0.1376	0.1263	0.0264	0.0947	0.0074	1.9844
30 mph	0.6211	0.1370	0.4300	0.1031	0.0966	0.0198	0.0581	0.0046	1.4704
35 mph	0.2949	0.0662	0.2051	0.0494	0.0476	0.0096	0.0189	0.0015	0.6932
40 mph	0.1096	0.0247	0.0764	0.0184	0.0182	0.0036	0.0145	0.0012	0.2666
45 mph	0.0672	0.0151	0.0467	0.0113	0.0114	0.0022	0.0169	0.0014	0.1721
50 mph	0.0646	0.0145	0.0448	0.0109	0.0112	0.0022	0.0200	0.0017	0.1698
55 mph	0.1145	0.0256	0.0791	0.0192	0.0203	0.0039	0.0019	0.0002	0.2646
60 mph	0.0775	0.0171	0.0531	0.0130	0.0140	0.0027	0.0081	0.0007	0.1861
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	2.9529	0.6413	2.0311	0.4872	0.4543	0.0940	0.3545	0.0280	7.0433

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0419	0.0089	0.0287	0.0086	0.0103	0.0022	0.0195	0.0015	0.1216
25 mph	0.0463	0.0100	0.0319	0.0095	0.0117	0.0024	0.0286	0.0022	0.1427
30 mph	0.0597	0.0132	0.0414	0.0124	0.0155	0.0032	0.0549	0.0044	0.2046
35 mph	0.0778	0.0175	0.0541	0.0163	0.0210	0.0042	0.0536	0.0044	0.2488
40 mph	0.1012	0.0228	0.0705	0.0212	0.0282	0.0056	0.0546	0.0045	0.3086
45 mph	0.2015	0.0453	0.1401	0.0422	0.0572	0.0112	0.0355	0.0029	0.5359
50 mph	0.1641	0.0369	0.1137	0.0344	0.0474	0.0091	0.0206	0.0017	0.4280
55 mph	0.1208	0.0270	0.0834	0.0253	0.0358	0.0068	0.0071	0.0006	0.3069
60 mph	0.0636	0.0140	0.0436	0.0133	0.0192	0.0037	0.5321	0.0437	0.7331
65 mph	0.0351	0.0076	0.0239	0.0073	0.0110	0.0021	-	-	0.0870
70 mph	0.8626	0.2138	0.5859	0.1862	0.2673	0.0456	-	-	2.1614
total	1.7747	0.4170	1.2170	0.3768	0.5246	0.0961	0.8065	0.0658	5.2785

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.2787	0.3930	0.9915	0.0035	2.6667
15 mph	0.1234	0.0257	0.0836	0.0312	0.0202	0.0044	0.0157	0.0012	0.3054
25 mph	-	-	-	-	0.0331	0.0069	0.0356	0.0028	0.0784
35 mph	0.6221	0.1395	0.4325	0.0678	-	-	-	-	1.2620
total	0.7455	0.1652	0.5162	0.0990	1.3321	0.4044	1.0427	0.0075	4.3125

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.2787	0.3930	0.9915	0.0035	2.6667
10 mph	0.4311	0.0886	0.2910	0.0695	0.0596	0.0132	0.0758	0.0059	1.0346
15 mph	0.1878	0.0391	0.1273	0.0416	0.0293	0.0064	0.0302	0.0023	0.4640
20 mph	0.3142	0.0669	0.2149	0.0530	0.0503	0.0107	0.0506	0.0039	0.7645
25 mph	0.8819	0.1912	0.6070	0.1472	0.1711	0.0358	0.1589	0.0124	2.2055
30 mph	0.6808	0.1502	0.4713	0.1155	0.1122	0.0230	0.1130	0.0090	1.6750
35 mph	0.9948	0.2232	0.6917	0.1334	0.0686	0.0138	0.0725	0.0059	2.2039
40 mph	0.2109	0.0476	0.1468	0.0396	0.0464	0.0092	0.0691	0.0056	0.5752
45 mph	0.2687	0.0604	0.1868	0.0535	0.0686	0.0134	0.0524	0.0043	0.7080
50 mph	0.2287	0.0514	0.1584	0.0453	0.0586	0.0113	0.0406	0.0034	0.5978
55 mph	0.2353	0.0526	0.1625	0.0446	0.0561	0.0107	0.0090	0.0007	0.5714
60 mph	0.1412	0.0310	0.0967	0.0263	0.0332	0.0063	0.5401	0.0443	0.9192
65 mph	0.0351	0.0076	0.0239	0.0073	0.0110	0.0021	-	-	0.0870
70 mph	0.8626	0.2138	0.5859	0.1862	0.2673	0.0456	-	-	2.1614
total	5.4731	1.2236	3.7643	0.9630	2.3109	0.5945	2.2037	0.1012	16.6343

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0178	0.0002	0.0090	0.0033	0.3347	0.2362	0.0942	0.4587	1.1540
15 mph	0.0020	0.0000	0.0010	0.0004	0.0384	0.0270	0.0150	0.0717	0.1555
20 mph	0.0053	0.0001	0.0023	0.0009	0.1056	0.0733	0.0305	0.1329	0.3510
25 mph	0.0141	0.0005	0.0059	0.0023	0.2902	0.2003	0.0998	0.4590	1.0719
30 mph	0.0104	0.0004	0.0043	0.0017	0.2206	0.1514	0.0646	0.2968	0.7501
35 mph	0.0049	0.0002	0.0020	0.0008	0.1083	0.0737	0.0213	0.0978	0.3090
40 mph	0.0018	0.0001	0.0007	0.0003	0.0406	0.0274	0.0160	0.0737	0.1605
45 mph	0.0011	0.0000	0.0004	0.0002	0.0244	0.0164	0.0189	0.0873	0.1487
50 mph	0.0010	0.0000	0.0004	0.0001	0.0230	0.0154	0.0232	0.1067	0.1698
55 mph	0.0016	0.0001	0.0005	0.0002	0.0388	0.0258	0.0023	0.0108	0.0801
60 mph	0.0010	0.0001	0.0003	0.0001	0.0254	0.0168	0.0109	0.0501	0.1047
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0609	0.0018	0.0267	0.0103	1.2499	0.8637	0.3965	1.8456	4.4553

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0008	0.0000	0.0004	0.0002	0.0272	0.0189	0.0192	0.0836	0.1502
25 mph	0.0008	0.0000	0.0003	0.0002	0.0269	0.0185	0.0301	0.1387	0.2155
30 mph	0.0010	0.0000	0.0004	0.0002	0.0355	0.0243	0.0609	0.2802	0.4026
35 mph	0.0013	0.0001	0.0005	0.0003	0.0478	0.0325	0.0602	0.2771	0.4198
40 mph	0.0016	0.0001	0.0007	0.0003	0.0626	0.0423	0.0603	0.2782	0.4462
45 mph	0.0032	0.0001	0.0012	0.0006	0.1224	0.0822	0.0396	0.1832	0.4325
50 mph	0.0024	0.0001	0.0009	0.0005	0.0977	0.0652	0.0239	0.1099	0.3007
55 mph	0.0017	0.0001	0.0006	0.0003	0.0684	0.0455	0.0087	0.0408	0.1660
60 mph	0.0008	0.0001	0.0003	0.0002	0.0348	0.0231	0.7175	3.3124	4.0892
65 mph	0.0004	0.0000	0.0001	0.0001	0.0200	0.0131	-	-	0.0338
70 mph	0.0104	0.0008	0.0034	0.0020	0.7578	0.4519	-	-	1.2264
total	0.0245	0.0015	0.0087	0.0048	1.3011	0.8176	1.0207	4.7041	7.8829

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1934	0.1361	0.0950	0.8398	1.2643
15 mph	0.0039	0.0001	0.0019	0.0011	0.0856	0.0602	0.0161	0.0773	0.2460
25 mph	-	-	-	-	0.0761	0.0525	0.0375	0.1725	0.3386
35 mph	0.0104	0.0004	0.0042	0.0011	-	-	-	-	0.0161
total	0.0142	0.0005	0.0061	0.0022	0.3551	0.2488	0.1486	1.0895	1.8650

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1934	0.1361	0.0950	0.8398	1.2643
10 mph	0.0178	0.0002	0.0090	0.0033	0.3347	0.2362	0.0942	0.4587	1.1540
15 mph	0.0059	0.0001	0.0029	0.0014	0.1240	0.0872	0.0311	0.1490	0.4015
20 mph	0.0061	0.0002	0.0027	0.0010	0.1328	0.0922	0.0497	0.2166	0.5012
25 mph	0.0149	0.0005	0.0062	0.0024	0.3932	0.2714	0.1674	0.7701	1.6261
30 mph	0.0114	0.0004	0.0047	0.0019	0.2560	0.1757	0.1255	0.5770	1.1527
35 mph	0.0166	0.0007	0.0067	0.0022	0.1561	0.1062	0.0815	0.3750	0.7448
40 mph	0.0034	0.0002	0.0014	0.0006	0.1032	0.0697	0.0763	0.3519	0.6067
45 mph	0.0042	0.0002	0.0016	0.0008	0.1468	0.0986	0.0585	0.2705	0.5812
50 mph	0.0034	0.0002	0.0012	0.0006	0.1207	0.0806	0.0471	0.2166	0.4705
55 mph	0.0032	0.0002	0.0011	0.0005	0.1071	0.0713	0.0111	0.0515	0.2461
60 mph	0.0019	0.0001	0.0006	0.0003	0.0602	0.0399	0.7284	3.3625	4.1939
65 mph	0.0004	0.0000	0.0001	0.0001	0.0200	0.0131	-	-	0.0338
70 mph	0.0104	0.0008	0.0034	0.0020	0.7578	0.4519	-	-	1.2264
total	0.0996	0.0038	0.0415	0.0172	2.9061	1.9300	1.5658	7.6392	14.2032

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1989	0.1989
15 mph								0.0355	0.0355
20 mph								0.0681	0.0681
25 mph								0.2095	0.2095
30 mph								0.1281	0.1281
35 mph								0.0394	0.0394
40 mph								0.0267	0.0267
45 mph								0.0270	0.0270
50 mph								0.0266	0.0266
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.7599	0.7599

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0428	0.0428
25 mph								0.0633	0.0633
30 mph								0.1210	0.1210
35 mph								0.1116	0.1116
40 mph								0.1009	0.1009
45 mph								0.0567	0.0567
50 mph								0.0274	0.0274
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.3387	0.3387

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0015	0.0015
15 mph								0.0382	0.0382
25 mph								0.0787	0.0787
35 mph								-	-
total	-	-	-	-	-	-	-	0.1185	0.1185

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0015	0.0015
10 mph								0.1989	0.1989
15 mph								0.0737	0.0737
20 mph								0.1109	0.1109
25 mph								0.3516	0.3516
30 mph								0.2491	0.2491
35 mph								0.1509	0.1509
40 mph								0.1276	0.1276
45 mph								0.0837	0.0837
50 mph								0.0540	0.0540
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.4021	1.4021

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2808	0.7353	0.4851	0.5389	0.8360	0.7130	0.4357	0.6079
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS + HOTSOAK Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	9.7053	1.9229	6.2778	1.9957	1.5479	0.4024	0.3836	0.0036
Electric/NG	-	-	-	-	-	-	-	-
Total	**9.7053**	**1.9229**	**6.2778**	**1.9957**	**1.5479**	**0.4024**	**0.3836**	**0.0036**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.4041	0.8944	0.6467	0.7821	0.0815	0.0743	0.0570	0.0897
Electric/NG	0.0314	0.0313	0.0313	0.0314	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	6.9831	1.1695	4.1845	1.4481	0.0755	0.0210	0.0251	0.0003
Electric/NG	0.0164	0.0006	0.0037	0.0010	-	-	-	-
Total	6.9995	1.1701	4.1882	1.4491	0.0755	0.0210	0.0251	0.0003

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1731	0.2647	0.2461	0.3063	0.0997	0.1004	0.1800	0.0016
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5.9826	0.6922	3.1853	1.1343	0.1846	0.0566	0.1585	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	5.9826	0.6922	3.1853	1.1343	0.1846	0.0566	0.1585	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.4722	0.5291	1.0865	0.8448	3.9325
10 mph	0.4489	0.0888	0.2999	0.0727	0.3943	0.2494	0.1700	0.6635	2.3875
15 mph	0.1937	0.0392	0.1302	0.0430	0.1533	0.0936	0.0613	0.2250	0.9393
20 mph	0.3203	0.0670	0.2176	0.0541	0.1831	0.1029	0.1003	0.3313	1.3766
25 mph	0.8968	0.1917	0.6132	0.1496	0.5643	0.3071	0.3263	1.1341	4.1831
30 mph	0.6922	0.1506	0.4760	0.1174	0.3682	0.1987	0.2385	0.8351	3.0768
35 mph	1.0114	0.2238	0.6984	0.1356	0.2247	0.1200	0.1540	0.5318	3.0997
40 mph	0.2143	0.0477	0.1482	0.0402	0.1496	0.0789	0.1454	0.4852	1.3096
45 mph	0.2729	0.0606	0.1884	0.0543	0.2154	0.1120	0.1109	0.3585	1.3730
50 mph	0.2321	0.0516	0.1597	0.0459	0.1793	0.0919	0.0878	0.2740	1.1223
55 mph	0.2385	0.0527	0.1636	0.0451	0.1633	0.0820	0.0200	0.0523	0.8176
60 mph	0.1430	0.0312	0.0974	0.0266	0.0934	0.0462	1.2685	3.4069	5.1131
65 mph	0.0355	0.0077	0.0240	0.0074	0.0310	0.0152	-	-	0.1208
70 mph	0.8731	0.2146	0.5893	0.1883	1.0251	0.4975	-	-	3.3877
RL + HS	9.7053	1.9229	6.2778	1.9957	1.5479	0.4024	0.3836	0.0036	22.2393
RL + DIURN	6.9995	1.1701	4.1882	1.4491	0.0755	0.0210	0.0251	0.0003	13.9287
STREX	5.9826	0.6922	3.1853	1.1343	0.1846	0.0566	0.1585	0.0000	11.3943
total	28.2601	5.0126	17.4572	5.5594	7.0250	3.0046	4.3366	9.1464	**79.8019**

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Project) - Mitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.45	1.46	2.40	27.70
10 mph	0.04	0.12	0.09	0.11	0.20	0.21	0.40	4.95
15 mph	0.04	0.11	0.08	0.10	0.18	0.19	0.35	4.39
20 mph	0.03	0.09	0.07	0.09	0.16	0.17	0.32	4.02
25 mph	0.03	0.08	0.06	0.08	0.15	0.16	0.29	3.71
30 mph	0.03	0.08	0.06	0.07	0.14	0.15	0.26	3.49
35 mph	0.03	0.07	0.05	0.07	0.14	0.14	0.25	3.34
40 mph	0.03	0.07	0.05	0.06	0.13	0.13	0.24	3.24
45 mph	0.02	0.07	0.05	0.06	0.13	0.13	0.23	3.17
50 mph	0.02	0.07	0.05	0.06	0.13	0.13	0.22	3.16
55 mph	0.02	0.07	0.05	0.06	0.14	0.13	0.23	3.22
60 mph	0.03	0.08	0.05	0.07	0.14	0.14	0.24	3.33
65 mph	0.03	0.08	0.06	0.07	0.15	0.14		
70 mph	0.03	0.09	0.06	0.08	0.17	0.14		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					48.79	49.04	29.26	28.01
10 mph	0.09	0.71	0.13	0.09	0.90	0.85	4.97	10.65
15 mph	0.07	0.72	0.09	0.06	0.77	0.74	3.51	7.47
20 mph	0.05	0.75	0.06	0.04	0.77	0.72	2.79	5.25
25 mph	0.04	0.77	0.05	0.04	0.77	0.72	2.18	4.43
30 mph	0.04	0.80	0.04	0.03	0.81	0.75	1.63	3.32
35 mph	0.04	0.82	0.03	0.03	0.88	0.79	1.19	2.43
40 mph	0.04	0.85	0.03	0.03	0.93	0.84	0.87	1.79
45 mph	0.04	0.89	0.03	0.03	0.97	0.87	0.65	1.37
50 mph	0.04	0.92	0.03	0.03	1.03	0.92	0.56	1.16
55 mph	0.04	0.96	0.03	0.03	1.05	0.94	0.57	1.25
60 mph	0.04	1.00	0.03	0.03	1.07	0.96	0.70	1.50
65 mph	0.04	1.02	0.03	0.03	1.21	1.07		
70 mph	0.04	1.01	0.03	0.04	2.19	1.77		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								34.16
10 mph								3.85
15 mph								2.87
20 mph								2.26
25 mph								1.95
30 mph								1.77
35 mph								1.64
40 mph								1.54
45 mph								1.46
50 mph								1.41
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.70	0.15	0.54	0.13	0.15	0.05	0.22	0.02	1.97
15 mph	0.14	0.03	0.10	0.02	0.03	0.01	0.06	0.00	0.40
20 mph	0.74	0.15	0.56	0.13	0.17	0.05	0.16	0.01	1.97
25 mph	2.79	0.57	2.09	0.49	0.65	0.21	0.59	0.05	7.44
30 mph	2.47	0.50	1.84	0.44	0.60	0.19	0.43	0.04	6.50
35 mph	1.35	0.28	1.00	0.24	0.34	0.10	0.16	0.01	3.48
40 mph	0.55	0.11	0.41	0.10	0.14	0.04	0.13	0.01	1.50
45 mph	0.36	0.07	0.27	0.06	0.09	0.03	0.17	0.02	1.06
50 mph	0.35	0.07	0.26	0.06	0.09	0.03	0.20	0.02	1.09
55 mph	0.63	0.13	0.47	0.11	0.17	0.05	0.02	0.00	1.58
60 mph	0.42	0.09	0.32	0.08	0.11	0.03	0.08	0.01	1.14
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	10.50	2.17	7.87	1.86	2.54	0.79	2.21	0.20	28.14

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.11	0.02	0.09	0.03	0.04	0.01	0.10	0.01	0.41
25 mph	0.15	0.03	0.12	0.03	0.06	0.02	0.18	0.02	0.61
30 mph	0.24	0.05	0.18	0.05	0.10	0.03	0.40	0.04	1.08
35 mph	0.36	0.07	0.26	0.08	0.15	0.05	0.45	0.04	1.46
40 mph	0.51	0.10	0.38	0.11	0.22	0.07	0.51	0.05	1.94
45 mph	1.07	0.22	0.80	0.24	0.46	0.14	0.35	0.03	3.31
50 mph	0.90	0.19	0.67	0.20	0.39	0.12	0.21	0.02	2.69
55 mph	0.66	0.14	0.50	0.15	0.29	0.09	0.07	0.01	1.91
60 mph	0.34	0.08	0.26	0.08	0.15	0.04	5.10	0.48	6.54
65 mph	0.18	0.04	0.14	0.04	0.08	0.02	-	-	0.50
70 mph	4.32	1.09	3.34	1.04	2.11	0.55	-	-	12.46
total	8.85	2.04	6.73	2.05	4.05	1.13	7.36	0.69	32.91

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.11	0.03	0.09	0.01	0.24
15 mph	0.26	0.06	0.20	0.07	0.07	0.02	0.06	0.01	0.75
25 mph	-	-	-	-	0.17	0.05	0.22	0.02	0.47
35 mph	2.85	0.58	2.12	0.33	-	-	-	-	5.87
total	3.11	0.64	2.32	0.40	0.35	0.11	0.37	0.03	7.33

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.11	0.03	0.09	0.01	0.24
10 mph	0.70	0.15	0.54	0.13	0.15	0.05	0.22	0.02	1.97
15 mph	0.40	0.08	0.30	0.10	0.10	0.03	0.12	0.01	1.15
20 mph	0.85	0.18	0.64	0.16	0.21	0.07	0.25	0.02	2.39
25 mph	2.95	0.60	2.20	0.53	0.89	0.28	0.98	0.09	8.52
30 mph	2.71	0.55	2.02	0.49	0.69	0.22	0.83	0.07	7.58
35 mph	4.56	0.93	3.38	0.64	0.48	0.15	0.61	0.06	10.81
40 mph	1.06	0.22	0.79	0.21	0.36	0.11	0.64	0.06	3.44
45 mph	1.43	0.29	1.06	0.30	0.55	0.17	0.51	0.05	4.37
50 mph	1.25	0.26	0.93	0.26	0.48	0.14	0.41	0.04	3.78
55 mph	1.29	0.28	0.97	0.26	0.46	0.13	0.09	0.01	3.49
60 mph	0.76	0.17	0.58	0.16	0.26	0.08	5.18	0.49	7.68
65 mph	0.18	0.04	0.14	0.04	0.08	0.02	-	-	0.50
70 mph	4.32	1.09	3.34	1.04	2.11	0.55	-	-	12.46
total	22.47	4.85	16.91	4.31	6.94	2.03	9.94	0.92	68.38

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.01	0.00	0.01	0.00	0.55	0.37	14.48	58.49	73.92
15 mph	0.00	0.00	0.00	0.00	0.11	0.07	2.92	11.73	14.82
20 mph	0.01	0.00	0.00	0.00	0.64	0.42	6.96	24.71	32.74
25 mph	0.04	0.00	0.01	0.01	2.65	1.73	22.64	86.91	114.00
30 mph	0.04	0.00	0.01	0.01	2.68	1.73	13.55	52.03	70.05
35 mph	0.02	0.00	0.01	0.00	1.69	1.07	3.97	15.27	22.03
40 mph	0.01	0.00	0.00	0.00	0.77	0.48	2.52	9.80	13.59
45 mph	0.01	0.00	0.00	0.00	0.54	0.34	2.45	9.65	12.98
50 mph	0.01	0.00	0.00	0.00	0.57	0.35	2.55	10.02	13.50
55 mph	0.01	0.00	0.00	0.00	1.01	0.64	0.24	0.98	2.88
60 mph	0.01	0.00	0.00	0.00	0.66	0.42	1.17	4.71	6.96
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.16	0.01	0.04	0.02	11.86	7.62	73.45	284.30	377.47

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.00	0.00	0.00	0.00	0.16	0.11	4.38	15.55	20.20
25 mph	0.00	0.00	0.00	0.00	0.25	0.16	6.84	26.25	33.50
30 mph	0.00	0.00	0.00	0.00	0.43	0.28	12.79	49.12	62.63
35 mph	0.01	0.00	0.00	0.00	0.74	0.47	11.24	43.25	55.71
40 mph	0.01	0.00	0.00	0.00	1.19	0.75	9.53	37.02	48.50
45 mph	0.02	0.00	0.00	0.00	2.68	1.68	5.14	20.24	29.77
50 mph	0.01	0.00	0.00	0.00	2.41	1.50	2.62	10.32	16.88
55 mph	0.01	0.00	0.00	0.00	1.79	1.12	0.90	3.71	7.53
60 mph	0.01	0.00	0.00	0.00	0.91	0.57	77.29	310.96	389.73
65 mph	0.00	0.00	0.00	0.00	0.51	0.32	-	-	0.83
70 mph	0.06	0.00	0.01	0.01	21.86	12.37	-	-	34.32
total	0.13	0.01	0.03	0.02	32.93	19.33	130.73	516.44	699.63

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.97	2.10	5.50	9.93	20.51
15 mph	0.00	0.00	0.00	0.00	0.24	0.16	3.14	12.63	16.17
25 mph	-	-	-	-	0.70	0.46	8.51	32.66	42.32
35 mph	0.04	0.00	0.01	0.00	-	-	-	-	0.06
total	0.05	0.00	0.01	0.01	3.91	2.72	17.15	55.22	79.06

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.97	2.10	5.50	9.93	20.51
10 mph	0.01	0.00	0.01	0.00	0.55	0.37	14.48	58.49	73.92
15 mph	0.01	0.00	0.00	0.00	0.34	0.23	6.06	24.36	31.00
20 mph	0.01	0.00	0.00	0.00	0.80	0.53	11.34	40.26	52.94
25 mph	0.04	0.00	0.01	0.01	3.60	2.35	37.99	145.82	189.82
30 mph	0.04	0.00	0.01	0.01	3.11	2.01	26.34	101.16	132.68
35 mph	0.07	0.00	0.02	0.01	2.43	1.55	15.20	58.52	77.80
40 mph	0.02	0.00	0.00	0.00	1.96	1.23	12.05	46.83	62.10
45 mph	0.02	0.00	0.00	0.00	3.22	2.02	7.59	29.89	42.75
50 mph	0.02	0.00	0.00	0.00	2.97	1.86	5.17	20.35	30.38
55 mph	0.02	0.00	0.00	0.00	2.80	1.76	1.14	4.69	10.42
60 mph	0.01	0.00	0.00	0.00	1.57	0.98	78.45	315.67	396.69
65 mph	0.00	0.00	0.00	0.00	0.51	0.32	-	-	0.83
70 mph	0.06	0.00	0.01	0.01	21.86	12.37	-	-	34.32
total	0.33	0.02	0.08	0.05	48.70	29.67	221.33	855.96	1,156.15

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1.17	1.17
15 mph								0.25	0.25
20 mph								0.59	0.59
25 mph								2.13	2.13
30 mph								1.55	1.55
35 mph								0.57	0.57
40 mph								0.47	0.47
45 mph								0.57	0.57
50 mph								0.67	0.67
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	7.98	7.98

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.37	0.37
25 mph								0.64	0.64
30 mph								1.46	1.46
35 mph								1.62	1.62
40 mph								1.77	1.77
45 mph								1.20	1.20
50 mph								0.69	0.69
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	4.10	4.10

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.67	0.67
15 mph								0.27	0.27
25 mph								0.80	0.80
35 mph								-	-
total	-	-	-	-	-	-	-	1.74	1.74

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.67	0.67
10 mph								1.17	1.17
15 mph								0.52	0.52
20 mph								0.96	0.96
25 mph								3.58	3.58
30 mph								3.01	3.01
35 mph								2.19	2.19
40 mph								2.24	2.24
45 mph								1.78	1.78
50 mph								1.37	1.37
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	17.50	17.50

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.09	2.14	5.59	10.62	21.43
10 mph	0.72	0.15	0.55	0.13	0.71	0.42	14.70	59.69	77.06
15 mph	0.41	0.08	0.31	0.10	0.44	0.26	6.18	24.89	32.66
20 mph	0.87	0.18	0.65	0.16	1.01	0.59	11.60	41.24	56.29
25 mph	2.99	0.61	2.22	0.53	4.48	2.63	38.98	149.48	201.91
30 mph	2.75	0.55	2.03	0.49	3.80	2.22	27.18	104.24	143.27
35 mph	4.62	0.93	3.40	0.65	2.92	1.69	15.82	60.77	90.80
40 mph	1.08	0.22	0.79	0.21	2.31	1.34	12.69	49.13	67.78
45 mph	1.45	0.30	1.07	0.30	3.77	2.18	8.10	31.72	48.90
50 mph	1.27	0.26	0.94	0.27	3.46	2.00	5.58	21.75	35.53
55 mph	1.31	0.28	0.98	0.27	3.26	1.89	1.23	4.70	13.91
60 mph	0.78	0.17	0.59	0.16	1.83	1.06	83.63	316.16	404.37
65 mph	0.18	0.04	0.14	0.04	0.59	0.34	-	-	1.34
70 mph	4.39	1.09	3.35	1.06	23.97	12.92	-	-	46.78
STREX	5.35	0.54	2.83	0.99	0.86	0.27	9.99	20.82	41.66
total	28.15	5.41	19.83	5.36	56.50	31.97	241.26	895.20	**1,283.68**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.15	0.21	0.22	0.27	0.46	0.48	0.34	0.35
Diesel	-	-	-	-	-	-	2.15	2.45
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5.35	0.54	2.83	0.99	0.86	0.27	0.30	0.00
Diesel	-	-	-	-	-	-	9.69	20.82
Electric/NG	-	-	-	-	-	-	-	-
Total	5.35	0.54	2.83	0.99	0.86	0.27	9.99	20.82

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Project) - Mitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					154.3729	154.6577	386.3347	279.6230
10 mph	0.9146	1.6748	1.2664	1.4074	1.0604	0.6823	1.4088	50.6029
15 mph	0.8340	1.4991	1.1478	1.2724	0.8610	0.5912	1.2762	45.2947
20 mph	0.7628	1.3573	1.0468	1.1585	0.7390	0.5243	1.1725	41.1197
25 mph	0.6980	1.2306	0.9544	1.0559	0.6395	0.4658	1.0556	37.3867
30 mph	0.6403	1.1230	0.8732	0.9668	0.5689	0.4189	0.9501	34.1779
35 mph	0.5892	1.0327	0.8021	0.8898	0.5224	0.3830	0.8646	31.4685
40 mph	0.5464	0.9581	0.7436	0.8255	0.4945	0.3581	0.8057	29.2695
45 mph	0.5095	0.8945	0.6936	0.7706	0.4788	0.3385	0.7447	27.3107
50 mph	0.4752	0.8415	0.6473	0.7214	0.4757	0.3230	0.6990	25.6452
55 mph	0.4424	0.7916	0.6045	0.6756	0.4928	0.3175	0.6674	24.3124
60 mph	0.4064	0.7360	0.5568	0.6254	0.5234	0.3174	0.6362	23.1611
65 mph	0.3755	0.6929	0.5166	0.5835	0.5937	0.3325		
70 mph	0.3612	0.7258	0.4982	0.5718	0.5983	0.2815		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	21.3872	34.9443
10 mph	2.2643	2.6450	1.7955	2.4140	2.1624	2.1973	0.4812	1.3886
15 mph	1.1172	1.7608	0.8798	1.1798	1.1225	1.1333	0.2607	0.7418
20 mph	0.4488	1.2241	0.3451	0.4653	0.5336	0.5295	0.1741	0.4508
25 mph	0.2761	0.9761	0.2086	0.2836	0.3629	0.3566	0.1331	0.3630
30 mph	0.2112	0.8396	0.1582	0.2167	0.2962	0.2888	0.1021	0.2785
35 mph	0.1702	0.7619	0.1263	0.1748	0.2594	0.2500	0.0770	0.2101
40 mph	0.1428	0.7296	0.1047	0.1456	0.2374	0.2264	0.0577	0.1579
45 mph	0.1238	0.7359	0.0893	0.1247	0.2256	0.2133	0.0443	0.1214
50 mph	0.1108	0.7825	0.0781	0.1100	0.2274	0.2130	0.0367	0.1001
55 mph	0.1017	0.8795	0.0697	0.0990	0.2356	0.2194	0.0350	0.0968
60 mph	0.1010	1.0382	0.0669	0.0959	0.2602	0.2405	0.0391	0.1072
65 mph	0.1063	1.2915	0.0684	0.1000	0.3321	0.3025		
70 mph	0.1114	1.5070	0.0709	0.1101	0.6139	0.5130		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								32.7471
10 mph								34.5971
15 mph								24.3573
20 mph								17.6151
25 mph								12.9129
30 mph								9.5213
35 mph								7.0220
40 mph								5.1804
45 mph								3.8236
50 mph								2.8242
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	14.7991	2.0502	7.6722	1.6140	0.8289	0.1626	0.8003	0.1946	28.1219
15 mph	2.9990	0.4078	1.5452	0.3243	0.1496	0.0313	0.2071	0.0498	5.7141
20 mph	16.4571	2.2155	8.4554	1.7714	0.7703	0.1666	0.5709	0.1355	30.5426
25 mph	62.7467	8.3693	32.1208	6.7271	2.7773	0.6167	2.1416	0.5134	116.0130
30 mph	55.2568	7.3322	28.2143	5.9133	2.3717	0.5324	1.5420	0.3755	101.5383
35 mph	29.6615	3.9331	15.1180	3.1745	1.2704	0.2840	0.5613	0.1383	54.1412
40 mph	11.7874	1.5639	6.0066	1.2623	0.5155	0.1138	0.4577	0.1125	21.8197
45 mph	7.3287	0.9734	3.7350	0.7855	0.3327	0.0717	0.5439	0.1350	13.9059
50 mph	6.8345	0.9156	3.4857	0.7354	0.3306	0.0684	0.6240	0.1550	13.1491
55 mph	11.1341	1.5074	5.6964	1.2052	0.5992	0.1177	0.0542	0.0134	20.3275
60 mph	6.5760	0.9010	3.3731	0.7172	0.4092	0.0756	0.2065	0.0509	12.3095
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	225.5808	30.1694	115.4226	24.2301	10.3554	2.2409	7.7096	1.8739	417.5827

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	2.5325	0.3409	1.3012	0.3405	0.1982	0.0429	0.3593	0.0853	5.2007
25 mph	3.4761	0.4636	1.7794	0.4655	0.2572	0.0571	0.6470	0.1551	7.3011
30 mph	5.3145	0.7052	2.7136	0.7103	0.3814	0.0856	1.4558	0.3545	11.7209
35 mph	7.8248	1.0376	3.9882	1.0460	0.5603	0.1253	1.5898	0.3917	16.5635
40 mph	10.8834	1.4440	5.5460	1.4557	0.7957	0.1757	1.7285	0.4250	22.4539
45 mph	21.9916	2.9208	11.2078	2.9440	1.6692	0.3598	1.1410	0.2833	42.5175
50 mph	17.3535	2.3249	8.8504	2.3320	1.4033	0.2905	0.6426	0.1596	33.3569
55 mph	11.7488	1.5907	6.0109	1.5883	1.0572	0.2076	0.2045	0.0504	22.4584
60 mph	5.3971	0.7394	2.7684	0.7352	0.5615	0.1038	13.6472	3.3631	27.3157
65 mph	2.4932	0.3481	1.2844	0.3430	0.3184	0.0544	-	-	4.8414
70 mph	56.3573	8.5688	29.1081	7.8973	7.5413	1.0816	-	-	110.5545
total	145.3727	20.4841	74.5583	19.8577	14.7438	2.5842	21.4157	5.2680	304.2845

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	11.9078	3.6367	14.1737	0.0819	29.8001
15 mph	5.7451	0.7813	2.9602	0.9694	0.3333	0.0698	0.2231	0.0536	11.1359
25 mph	-	-	-	-	0.7286	0.1618	0.8048	0.1929	1.8881
35 mph	62.5579	8.2952	31.8848	4.3621	-	-	-	-	107.1000
total	68.3030	9.0765	34.8450	5.3315	12.9697	3.8683	15.2016	0.3285	149.9241

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	11.9078	3.6367	14.1737	0.0819	29.8001
10 mph	14.7991	2.0502	7.6722	1.6140	0.8289	0.1626	0.8003	0.1946	28.1219
15 mph	8.7441	1.1891	4.5054	1.2937	0.4829	0.1011	0.4303	0.1034	16.8499
20 mph	18.9896	2.5564	9.7566	2.1118	0.9684	0.2094	0.9302	0.2208	35.7433
25 mph	66.2228	8.8329	33.9002	7.1926	3.7631	0.8357	3.5934	0.8615	125.2022
30 mph	60.5713	8.0375	30.9279	6.6237	2.7531	0.6180	2.9978	0.7300	113.2592
35 mph	100.0442	13.2660	50.9910	8.5826	1.8308	0.4092	2.1511	0.5300	177.8047
40 mph	22.6708	3.0079	11.5526	2.7179	1.3112	0.2895	2.1862	0.5376	44.2736
45 mph	29.3202	3.8942	14.9428	3.7295	2.0020	0.4315	1.6849	0.4183	56.4234
50 mph	24.1880	3.2405	12.3361	3.0674	1.7339	0.3589	1.2665	0.3146	46.5059
55 mph	22.8829	3.0981	11.7072	2.7935	1.6564	0.3253	0.2587	0.0638	42.7859
60 mph	11.9731	1.6404	6.1415	1.4524	0.9707	0.1794	13.8537	3.4140	39.6252
65 mph	2.4932	0.3481	1.2844	0.3430	0.3184	0.0544	-	-	4.8414
70 mph	56.3573	8.5688	29.1081	7.8973	7.5413	1.0816	-	-	110.5545
total	439.2565	59.7300	224.8259	49.4193	38.0689	8.6933	44.3269	7.4704	871.7913

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.3702	0.0013	0.0834	0.0711	1.3359	0.9548	1.4007	7.6253	11.8426
15 mph	0.0406	0.0002	0.0091	0.0077	0.1541	0.1094	0.2168	1.1639	1.7018
20 mph	0.0978	0.0008	0.0214	0.0183	0.4395	0.3068	0.4344	2.1218	3.4408
25 mph	0.2507	0.0026	0.0538	0.0464	1.2453	0.8610	1.3836	7.1197	10.9632
30 mph	0.1841	0.0022	0.0392	0.0341	0.9758	0.6694	0.8494	4.3694	7.1235
35 mph	0.0866	0.0011	0.0182	0.0160	0.4986	0.3380	0.2562	1.3183	2.5331
40 mph	0.0311	0.0005	0.0065	0.0057	0.1955	0.1312	0.1680	0.8671	1.4055
45 mph	0.0180	0.0003	0.0037	0.0033	0.1239	0.0824	0.1656	0.8572	1.2543
50 mph	0.0161	0.0003	0.0032	0.0029	0.1249	0.0823	0.1678	0.8641	1.2616
55 mph	0.0259	0.0007	0.0050	0.0045	0.2264	0.1483	0.0145	0.0759	0.5013
60 mph	0.0165	0.0005	0.0031	0.0028	0.1607	0.1045	0.0650	0.3364	0.6896
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	1.1376	0.0105	0.2465	0.2129	5.4807	3.7881	5.1220	26.7190	42.7173

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0151	0.0001	0.0033	0.0035	0.1131	0.0789	0.2734	1.3354	1.8228
25 mph	0.0139	0.0001	0.0030	0.0032	0.1153	0.0797	0.4180	2.1509	2.7841
30 mph	0.0177	0.0002	0.0038	0.0041	0.1569	0.1076	0.8019	4.1249	5.2171
35 mph	0.0228	0.0003	0.0048	0.0053	0.2199	0.1491	0.7256	3.7336	4.8614
40 mph	0.0287	0.0004	0.0060	0.0066	0.3018	0.2025	0.6343	3.2743	4.4547
45 mph	0.0540	0.0009	0.0111	0.0122	0.6214	0.4133	0.3475	1.7983	3.2588
50 mph	0.0409	0.0009	0.0082	0.0091	0.5301	0.3492	0.1728	0.8899	2.0011
55 mph	0.0273	0.0007	0.0053	0.0060	0.3994	0.2616	0.0549	0.2868	1.0420
60 mph	0.0136	0.0004	0.0025	0.0029	0.2205	0.1434	4.2955	22.2311	26.9100
65 mph	0.0071	0.0003	0.0013	0.0015	0.1408	0.0902	-	-	0.2412
70 mph	0.1756	0.0070	0.0318	0.0391	6.1146	3.5943	-	-	9.9624
total	0.4166	0.0114	0.0810	0.0935	8.9340	5.4700	7.7239	39.8252	62.5556

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.6032	1.1277	4.0202	12.3927	19.1437
15 mph	0.0777	0.0004	0.0174	0.0231	0.3434	0.2439	0.2335	1.2538	2.1933
25 mph	-	-	-	-	0.3267	0.2259	0.5199	2.6754	3.7479
35 mph	0.1826	0.0024	0.0385	0.0220	-	-	-	-	0.2455
total	0.2604	0.0028	0.0559	0.0451	2.2733	1.5975	4.7736	16.3219	25.3304

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.6032	1.1277	4.0202	12.3927	19.1437
10 mph	0.3702	0.0013	0.0834	0.0711	1.3359	0.9548	1.4007	7.6253	11.8426
15 mph	0.1183	0.0006	0.0265	0.0308	0.4976	0.3533	0.4503	2.4177	3.8951
20 mph	0.1129	0.0009	0.0247	0.0218	0.5526	0.3857	0.7078	3.4572	5.2637
25 mph	0.2646	0.0028	0.0568	0.0496	1.6874	1.1666	2.3215	11.9460	17.4952
30 mph	0.2018	0.0024	0.0429	0.0381	1.1327	0.7770	1.6512	8.4943	12.3406
35 mph	0.2920	0.0039	0.0615	0.0433	0.7186	0.4871	0.9818	5.0518	7.6400
40 mph	0.0598	0.0009	0.0125	0.0123	0.4974	0.3337	0.8023	4.1414	5.8603
45 mph	0.0720	0.0013	0.0147	0.0155	0.7453	0.4957	0.5131	2.6555	4.5131
50 mph	0.0570	0.0012	0.0114	0.0120	0.6549	0.4315	0.3407	1.7541	3.2627
55 mph	0.0531	0.0014	0.0103	0.0105	0.6258	0.4099	0.0694	0.3627	1.5432
60 mph	0.0301	0.0009	0.0057	0.0057	0.3813	0.2479	4.3605	22.5675	27.5996
65 mph	0.0071	0.0003	0.0013	0.0015	0.1408	0.0902	-	-	0.2412
70 mph	0.1756	0.0070	0.0318	0.0391	6.1146	3.5943	-	-	9.9624
total	1.8146	0.0246	0.3834	0.3515	16.6880	10.8555	17.6196	82.8661	130.6033

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								10.5629	10.5629
15 mph								2.1247	2.1247
20 mph								4.6098	4.6098
25 mph								14.0802	14.0802
30 mph								8.3056	8.3056
35 mph								2.4502	2.4502
40 mph								1.5816	1.5816
45 mph								1.5009	1.5009
50 mph								1.3550	1.3550
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	46.5709	46.5709

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								2.9013	2.9013
25 mph								4.2536	4.2536
30 mph								7.8410	7.8410
35 mph								6.9393	6.9393
40 mph								5.9726	5.9726
45 mph								3.1488	3.1488
50 mph								1.3955	1.3955
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	21.9352	21.9352

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.6457	0.6457
15 mph								2.2888	2.2888
25 mph								5.2910	5.2910
35 mph								-	-
total	-	-	-	-	-	-	-	8.2256	8.2256

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.6457	0.6457
10 mph								10.5629	10.5629
15 mph								4.4136	4.4136
20 mph								7.5111	7.5111
25 mph								23.6248	23.6248
30 mph								16.1466	16.1466
35 mph								9.3895	9.3895
40 mph								7.5542	7.5542
45 mph								4.6497	4.6497
50 mph								2.7505	2.7505
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	87.2484	87.2484

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	13.5110	4.7644	18.1938	13.1203	49.5895
10 mph	15.1692	2.0515	7.7556	1.6851	2.1648	1.1174	2.2010	18.3827	50.5274
15 mph	8.8624	1.1896	4.5319	1.3245	0.9805	0.4544	0.8806	6.9346	25.1586
20 mph	19.1025	2.5573	9.7812	2.1336	1.5211	0.5952	1.6381	11.1891	48.5180
25 mph	66.4874	8.8357	33.9570	7.2422	5.4505	2.0023	5.9149	36.4322	166.3222
30 mph	60.7732	8.0398	30.9708	6.6618	3.8858	1.3950	4.6490	25.3709	141.7464
35 mph	100.3362	13.2698	51.0525	8.6259	2.5493	0.8963	3.1329	14.9713	194.8342
40 mph	22.7306	3.0088	11.5651	2.7302	1.8086	0.6231	2.9885	12.2332	57.6881
45 mph	29.3922	3.8955	14.9576	3.7450	2.7472	0.9272	2.1980	7.7235	65.5862
50 mph	24.2450	3.2417	12.3475	3.0794	2.3888	0.7904	1.6072	4.8191	52.5191
55 mph	22.9360	3.0995	11.7175	2.8040	2.2823	0.7353	0.3281	0.4265	44.3291
60 mph	12.0031	1.6413	6.1471	1.4582	1.3519	0.4273	18.2143	25.9815	67.2248
65 mph	2.5004	0.3484	1.2857	0.3445	0.4592	0.1446	-	-	5.0826
70 mph	56.5329	8.5758	29.1398	7.9364	13.6560	4.6759	-	-	120.5168
STREX	67.1293	5.3729	31.4857	10.0886	2.9574	0.8760	3.3330	0.0318	121.2746
total	508.2004	65.1275	256.6950	59.8594	57.7143	20.4249	65.2795	177.6167	**1,210.9176**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.9421	2.0546	2.4329	2.7243	1.5973	1.5521	3.7857	5.3327
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	67.1293	5.3729	31.4857	10.0886	2.9574	0.8760	3.3330	0.0318
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	67.1293	5.3729	31.4857	10.0886	2.9574	0.8760	3.3330	0.0318

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Project) - Mitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0552	0.0552	0.1397	0.2211
10 mph	0.0046	0.0054	0.0057	0.0070	0.0146	0.0168	0.0302	0.0360
15 mph	0.0038	0.0044	0.0046	0.0057	0.0119	0.0137	0.0247	0.0295
20 mph	0.0032	0.0037	0.0038	0.0048	0.0099	0.0114	0.0205	0.0246
25 mph	0.0027	0.0031	0.0033	0.0041	0.0085	0.0097	0.0175	0.0211
30 mph	0.0024	0.0028	0.0029	0.0036	0.0075	0.0086	0.0156	0.0187
35 mph	0.0022	0.0026	0.0027	0.0034	0.0070	0.0080	0.0145	0.0173
40 mph	0.0022	0.0025	0.0026	0.0033	0.0067	0.0078	0.0140	0.0167
45 mph	0.0022	0.0025	0.0026	0.0033	0.0068	0.0078	0.0141	0.0167
50 mph	0.0022	0.0026	0.0027	0.0034	0.0070	0.0080	0.0145	0.0172
55 mph	0.0023	0.0027	0.0028	0.0035	0.0073	0.0083	0.0150	0.0179
60 mph	0.0024	0.0028	0.0029	0.0036	0.0075	0.0087	0.0156	0.0186
65 mph	0.0024	0.0029	0.0030	0.0037	0.0078	0.0089		
70 mph	0.0025	0.0029	0.0030	0.0038	0.0079	0.0090		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0347	0.0558	0.0570	0.0541
10 mph	0.0037	0.0081	0.0050	0.0062	0.0090	0.0100	0.0176	0.0266
15 mph	0.0030	0.0068	0.0041	0.0053	0.0058	0.0066	0.0138	0.0206
20 mph	0.0025	0.0056	0.0034	0.0044	0.0050	0.0057	0.0118	0.0174
25 mph	0.0021	0.0046	0.0028	0.0037	0.0044	0.0051	0.0103	0.0148
30 mph	0.0018	0.0040	0.0025	0.0032	0.0040	0.0046	0.0090	0.0130
35 mph	0.0016	0.0036	0.0022	0.0029	0.0040	0.0046	0.0081	0.0116
40 mph	0.0015	0.0033	0.0021	0.0027	0.0039	0.0044	0.0074	0.0107
45 mph	0.0015	0.0032	0.0020	0.0026	0.0038	0.0043	0.0070	0.0101
50 mph	0.0015	0.0032	0.0020	0.0026	0.0040	0.0044	0.0069	0.0099
55 mph	0.0016	0.0034	0.0021	0.0028	0.0042	0.0046	0.0071	0.0104
60 mph	0.0017	0.0037	0.0023	0.0030	0.0042	0.0046	0.0076	0.0110
65 mph	0.0019	0.0041	0.0025	0.0034	0.0043	0.0046		
70 mph	0.0021	0.0042	0.0027	0.0037	0.0044	0.0047		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0751	0.0066	0.0343	0.0080	0.0114	0.0040	0.0172	0.0001	0.1568
15 mph	0.0136	0.0012	0.0062	0.0015	0.0021	0.0007	0.0040	0.0000	0.0294
20 mph	0.0681	0.0060	0.0311	0.0073	0.0103	0.0036	0.0100	0.0001	0.1364
25 mph	0.2425	0.0214	0.1109	0.0259	0.0367	0.0129	0.0356	0.0003	0.4862
30 mph	0.2066	0.0183	0.0945	0.0221	0.0313	0.0110	0.0253	0.0002	0.4093
35 mph	0.1118	0.0099	0.0512	0.0120	0.0169	0.0059	0.0094	0.0001	0.2171
40 mph	0.0464	0.0041	0.0212	0.0050	0.0070	0.0025	0.0080	0.0001	0.0943
45 mph	0.0311	0.0027	0.0142	0.0033	0.0047	0.0016	0.0103	0.0001	0.0681
50 mph	0.0320	0.0028	0.0146	0.0034	0.0048	0.0017	0.0129	0.0001	0.0725
55 mph	0.0583	0.0051	0.0266	0.0063	0.0088	0.0031	0.0012	0.0000	0.1094
60 mph	0.0386	0.0034	0.0177	0.0042	0.0059	0.0021	0.0051	0.0000	0.0769
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.9241	0.0816	0.4226	0.0990	0.1400	0.0491	0.1389	0.0011	1.8564

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0105	0.0009	0.0048	0.0014	0.0027	0.0009	0.0063	0.0001	0.0275
25 mph	0.0134	0.0012	0.0061	0.0018	0.0034	0.0012	0.0108	0.0001	0.0380
30 mph	0.0199	0.0018	0.0091	0.0027	0.0050	0.0018	0.0239	0.0002	0.0643
35 mph	0.0295	0.0026	0.0135	0.0040	0.0075	0.0026	0.0266	0.0002	0.0864
40 mph	0.0429	0.0038	0.0196	0.0058	0.0108	0.0038	0.0300	0.0002	0.1169
45 mph	0.0933	0.0082	0.0427	0.0125	0.0236	0.0083	0.0215	0.0002	0.2104
50 mph	0.0814	0.0072	0.0372	0.0109	0.0205	0.0072	0.0133	0.0001	0.1778
55 mph	0.0615	0.0054	0.0281	0.0083	0.0156	0.0055	0.0046	0.0000	0.1289
60 mph	0.0317	0.0028	0.0145	0.0043	0.0081	0.0028	0.3353	0.0027	0.4022
65 mph	0.0162	0.0014	0.0074	0.0022	0.0042	0.0015	-	-	0.0329
70 mph	0.3856	0.0343	0.1765	0.0530	0.0996	0.0347	-	-	0.7836
total	0.7858	0.0697	0.3596	0.1067	0.2009	0.0702	0.4724	0.0038	2.0690

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0043	0.0013	0.0051	0.0001	0.0107
15 mph	0.0261	0.0023	0.0119	0.0044	0.0046	0.0016	0.0043	0.0000	0.0553
25 mph	-	-	-	-	0.0096	0.0034	0.0134	0.0001	0.0265
35 mph	0.2357	0.0208	0.1079	0.0165	-	-	-	-	0.3810
total	0.2619	0.0231	0.1198	0.0209	0.0185	0.0063	0.0228	0.0002	0.4735

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0043	0.0013	0.0051	0.0001	0.0107
10 mph	0.0751	0.0066	0.0343	0.0080	0.0114	0.0040	0.0172	0.0001	0.1568
15 mph	0.0398	0.0035	0.0182	0.0058	0.0067	0.0023	0.0083	0.0001	0.0847
20 mph	0.0785	0.0069	0.0359	0.0087	0.0130	0.0045	0.0163	0.0001	0.1639
25 mph	0.2560	0.0226	0.1170	0.0277	0.0497	0.0174	0.0597	0.0005	0.5507
30 mph	0.2265	0.0200	0.1036	0.0248	0.0363	0.0127	0.0492	0.0004	0.4735
35 mph	0.3770	0.0333	0.1725	0.0325	0.0244	0.0086	0.0360	0.0003	0.6846
40 mph	0.0893	0.0079	0.0409	0.0107	0.0179	0.0063	0.0380	0.0003	0.2112
45 mph	0.1244	0.0110	0.0569	0.0159	0.0283	0.0099	0.0318	0.0003	0.2785
50 mph	0.1134	0.0100	0.0518	0.0144	0.0254	0.0089	0.0262	0.0002	0.2503
55 mph	0.1197	0.0106	0.0547	0.0145	0.0244	0.0085	0.0058	0.0000	0.2384
60 mph	0.0703	0.0062	0.0322	0.0084	0.0140	0.0049	0.3404	0.0027	0.4791
65 mph	0.0162	0.0014	0.0074	0.0022	0.0042	0.0015	-	-	0.0329
70 mph	0.3856	0.0343	0.1765	0.0530	0.0996	0.0347	-	-	0.7836
total	1.9718	0.1745	0.9020	0.2266	0.3594	0.1256	0.6340	0.0051	4.3989

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0002	0.0002	0.0055	0.0044	0.0511	0.1458	0.2079
15 mph	0.0001	0.0000	0.0000	0.0000	0.0008	0.0006	0.0115	0.0323	0.0455
20 mph	0.0005	0.0000	0.0002	0.0002	0.0041	0.0033	0.0295	0.0819	0.1197
25 mph	0.0019	0.0000	0.0007	0.0006	0.0151	0.0122	0.1071	0.2912	0.4289
30 mph	0.0016	0.0000	0.0006	0.0005	0.0132	0.0106	0.0752	0.2043	0.3061
35 mph	0.0008	0.0000	0.0003	0.0003	0.0077	0.0062	0.0269	0.0730	0.1153
40 mph	0.0003	0.0000	0.0001	0.0001	0.0032	0.0026	0.0215	0.0586	0.0865
45 mph	0.0002	0.0000	0.0001	0.0001	0.0021	0.0016	0.0262	0.0715	0.1019
50 mph	0.0002	0.0000	0.0001	0.0001	0.0022	0.0017	0.0316	0.0858	0.1217
55 mph	0.0004	0.0000	0.0002	0.0001	0.0040	0.0031	0.0030	0.0081	0.0189
60 mph	0.0003	0.0000	0.0001	0.0001	0.0026	0.0020	0.0126	0.0345	0.0522
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0070	0.0000	0.0027	0.0022	0.0607	0.0483	0.3963	1.0872	1.6044

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0001	0.0000	0.0000	0.0000	0.0011	0.0008	0.0185	0.0515	0.0721
25 mph	0.0001	0.0000	0.0000	0.0000	0.0014	0.0011	0.0324	0.0880	0.1230
30 mph	0.0002	0.0000	0.0001	0.0001	0.0021	0.0017	0.0710	0.1929	0.2680
35 mph	0.0002	0.0000	0.0001	0.0001	0.0034	0.0027	0.0761	0.2068	0.2895
40 mph	0.0003	0.0000	0.0001	0.0001	0.0050	0.0040	0.0813	0.2214	0.3122
45 mph	0.0006	0.0000	0.0002	0.0003	0.0105	0.0082	0.0550	0.1501	0.2251
50 mph	0.0005	0.0000	0.0002	0.0002	0.0094	0.0072	0.0326	0.0884	0.1385
55 mph	0.0004	0.0000	0.0002	0.0002	0.0071	0.0054	0.0112	0.0307	0.0552
60 mph	0.0002	0.0000	0.0001	0.0001	0.0036	0.0027	0.8358	2.2773	3.1199
65 mph	0.0001	0.0000	0.0000	0.0001	0.0018	0.0014	-	-	0.0034
70 mph	0.0033	0.0000	0.0012	0.0013	0.0440	0.0331	-	-	0.0829
total	0.0061	0.0000	0.0023	0.0025	0.0894	0.0685	1.2140	3.3071	4.6899

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0021	0.0024	0.0107	0.0192	0.0344
15 mph	0.0002	0.0000	0.0001	0.0001	0.0018	0.0014	0.0124	0.0348	0.0508
25 mph	-	-	-	-	0.0040	0.0032	0.0403	0.1094	0.1568
35 mph	0.0018	0.0000	0.0007	0.0004	-	-	-	-	0.0028
total	0.0020	0.0000	0.0008	0.0005	0.0079	0.0070	0.0634	0.1635	0.2449

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0021	0.0024	0.0107	0.0192	0.0344
10 mph	0.0006	0.0000	0.0002	0.0002	0.0055	0.0044	0.0511	0.1458	0.2079
15 mph	0.0003	0.0000	0.0001	0.0001	0.0026	0.0021	0.0239	0.0672	0.0963
20 mph	0.0006	0.0000	0.0002	0.0002	0.0052	0.0041	0.0480	0.1334	0.1918
25 mph	0.0020	0.0000	0.0008	0.0006	0.0205	0.0166	0.1797	0.4885	0.7088
30 mph	0.0017	0.0000	0.0007	0.0006	0.0154	0.0123	0.1462	0.3972	0.5741
35 mph	0.0028	0.0000	0.0011	0.0007	0.0111	0.0089	0.1030	0.2799	0.4075
40 mph	0.0006	0.0000	0.0002	0.0002	0.0082	0.0065	0.1029	0.2801	0.3988
45 mph	0.0009	0.0000	0.0003	0.0003	0.0126	0.0099	0.0813	0.2216	0.3269
50 mph	0.0008	0.0000	0.0003	0.0003	0.0116	0.0089	0.0642	0.1742	0.2602
55 mph	0.0008	0.0000	0.0003	0.0003	0.0111	0.0085	0.0141	0.0388	0.0740
60 mph	0.0005	0.0000	0.0002	0.0002	0.0062	0.0047	0.8485	2.3118	3.1720
65 mph	0.0001	0.0000	0.0000	0.0001	0.0018	0.0014	-	-	0.0034
70 mph	0.0033	0.0000	0.0012	0.0013	0.0440	0.0331	-	-	0.0829
total	0.0150	0.0001	0.0058	0.0052	0.1580	0.1238	1.6737	4.5577	6.5392

SO2 Emissions (pounds/day) - Natural Gas/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
15 mph								-	-
25 mph								-	-
35 mph								-	-
total	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0064	0.0037	0.0158	0.0193	0.0452
10 mph	0.0757	0.0066	0.0346	0.0082	0.0169	0.0084	0.0683	0.1459	0.3646
15 mph	0.0401	0.0035	0.0183	0.0059	0.0093	0.0044	0.0322	0.0673	0.1810
20 mph	0.0792	0.0069	0.0361	0.0089	0.0181	0.0087	0.0643	0.1336	0.3557
25 mph	0.2580	0.0226	0.1178	0.0284	0.0703	0.0340	0.2395	0.4890	1.2595
30 mph	0.2282	0.0200	0.1043	0.0254	0.0517	0.0250	0.1954	0.3976	1.0476
35 mph	0.3798	0.0333	0.1736	0.0332	0.0355	0.0175	0.1390	0.2802	1.0921
40 mph	0.0899	0.0079	0.0411	0.0110	0.0261	0.0128	0.1408	0.2804	0.6100
45 mph	0.1253	0.0110	0.0572	0.0162	0.0409	0.0198	0.1131	0.2219	0.6054
50 mph	0.1142	0.0100	0.0521	0.0146	0.0369	0.0178	0.0904	0.1744	0.5105
55 mph	0.1205	0.0106	0.0551	0.0148	0.0355	0.0171	0.0200	0.0389	0.3124
60 mph	0.0708	0.0062	0.0324	0.0086	0.0202	0.0096	1.1889	2.3145	3.6512
65 mph	0.0163	0.0014	0.0075	0.0022	0.0060	0.0028	-	-	0.0363
70 mph	0.3888	0.0343	0.1777	0.0543	0.1436	0.0678	-	-	0.8666
STREX	0.0172	0.0015	0.0080	0.0029	0.0003	0.0001	0.0003	0.0000	0.0304
total	2.0040	0.1761	0.9158	0.2346	0.5177	0.2495	2.3080	4.5629	**10.9686**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0005	0.0006	0.0006	0.0008	0.0002	0.0002	0.0004	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0172	0.0015	0.0080	0.0029	0.0003	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0172	0.0015	0.0080	0.0029	0.0003	0.0001	0.0003	0.0000

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Project) - Mitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0387	0.0357	0.0337	0.0380
10 mph	0.0055	0.0073	0.0058	0.0059	0.0049	0.0045	0.0043	0.0049
15 mph	0.0037	0.0049	0.0039	0.0039	0.0033	0.0030	0.0029	0.0032
20 mph	0.0026	0.0035	0.0027	0.0028	0.0023	0.0021	0.0020	0.0023
25 mph	0.0019	0.0026	0.0020	0.0020	0.0017	0.0016	0.0015	0.0017
30 mph	0.0015	0.0020	0.0016	0.0016	0.0013	0.0012	0.0012	0.0013
35 mph	0.0012	0.0016	0.0013	0.0013	0.0011	0.0010	0.0009	0.0011
40 mph	0.0011	0.0014	0.0011	0.0011	0.0010	0.0009	0.0008	0.0010
45 mph	0.0010	0.0013	0.0010	0.0010	0.0009	0.0008	0.0007	0.0009
50 mph	0.0009	0.0013	0.0010	0.0010	0.0009	0.0008	0.0007	0.0009
55 mph	0.0009	0.0013	0.0010	0.0010	0.0009	0.0008	0.0007	0.0009
60 mph	0.0010	0.0014	0.0011	0.0011	0.0009	0.0008	0.0008	0.0009
65 mph	0.0012	0.0015	0.0012	0.0011	0.0011	0.0010		
70 mph	0.0013	0.0017	0.0013	0.0013	0.0011	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7944	0.8096	0.0073	0.0101
10 mph	0.0119	0.3054	0.0096	0.0081	0.0291	0.0345	0.0041	0.0112
15 mph	0.0096	0.2213	0.0081	0.0067	0.0219	0.0270	0.0032	0.0086
20 mph	0.0076	0.1693	0.0068	0.0055	0.0180	0.0223	0.0027	0.0061
25 mph	0.0062	0.1355	0.0058	0.0046	0.0149	0.0186	0.0026	0.0064
30 mph	0.0052	0.1138	0.0051	0.0040	0.0131	0.0163	0.0029	0.0070
35 mph	0.0046	0.1002	0.0046	0.0036	0.0119	0.0147	0.0035	0.0085
40 mph	0.0041	0.0918	0.0042	0.0033	0.0111	0.0136	0.0044	0.0109
45 mph	0.0039	0.0876	0.0039	0.0031	0.0105	0.0128	0.0057	0.0143
50 mph	0.0038	0.0879	0.0037	0.0030	0.0102	0.0123	0.0074	0.0183
55 mph	0.0038	0.0922	0.0035	0.0029	0.0100	0.0120	0.0095	0.0240
60 mph	0.0039	0.1007	0.0035	0.0029	0.0103	0.0122	0.0119	0.0296
65 mph	0.0041	0.1163	0.0036	0.0031	0.0116	0.0134		
70 mph	0.0042	0.1391	0.0037	0.0034	0.0181	0.0178		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0481
10 mph								0.0075
15 mph								0.0062
20 mph								0.0052
25 mph								0.0047
30 mph								0.0044
35 mph								0.0042
40 mph								0.0041
45 mph								0.0041
50 mph								0.0041
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0891	0.0089	0.0352	0.0068	0.0039	0.0011	0.0025	0.0000	0.1474
15 mph	0.0132	0.0013	0.0052	0.0010	0.0006	0.0002	0.0005	0.0000	0.0219
20 mph	0.0554	0.0056	0.0220	0.0042	0.0024	0.0007	0.0010	0.0000	0.0913
25 mph	0.1705	0.0175	0.0676	0.0130	0.0075	0.0021	0.0030	0.0000	0.2811
30 mph	0.1277	0.0131	0.0505	0.0097	0.0056	0.0016	0.0019	0.0000	0.2100
35 mph	0.0613	0.0063	0.0242	0.0046	0.0027	0.0007	0.0006	0.0000	0.1004
40 mph	0.0228	0.0023	0.0090	0.0017	0.0010	0.0003	0.0005	0.0000	0.0376
45 mph	0.0139	0.0014	0.0055	0.0011	0.0006	0.0002	0.0005	0.0000	0.0232
50 mph	0.0134	0.0014	0.0053	0.0010	0.0006	0.0002	0.0006	0.0000	0.0225
55 mph	0.0239	0.0024	0.0094	0.0018	0.0011	0.0003	0.0001	0.0000	0.0390
60 mph	0.0165	0.0017	0.0065	0.0012	0.0007	0.0002	0.0003	0.0000	0.0271
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.6076	0.0619	0.2402	0.0462	0.0266	0.0074	0.0114	0.0001	1.0014

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0085	0.0009	0.0034	0.0008	0.0006	0.0002	0.0006	0.0000	0.0150
25 mph	0.0094	0.0010	0.0037	0.0009	0.0007	0.0002	0.0009	0.0000	0.0169
30 mph	0.0123	0.0013	0.0049	0.0012	0.0009	0.0002	0.0018	0.0000	0.0225
35 mph	0.0162	0.0017	0.0064	0.0015	0.0012	0.0003	0.0017	0.0000	0.0290
40 mph	0.0210	0.0022	0.0083	0.0020	0.0016	0.0004	0.0018	0.0000	0.0372
45 mph	0.0417	0.0043	0.0164	0.0039	0.0031	0.0008	0.0011	0.0000	0.0714
50 mph	0.0341	0.0035	0.0134	0.0032	0.0025	0.0007	0.0007	0.0000	0.0580
55 mph	0.0252	0.0026	0.0099	0.0024	0.0019	0.0005	0.0002	0.0000	0.0427
60 mph	0.0135	0.0014	0.0053	0.0013	0.0010	0.0003	0.0171	0.0001	0.0400
65 mph	0.0077	0.0008	0.0030	0.0006	0.0006	0.0002	-	-	0.0128
70 mph	0.1967	0.0198	0.0761	0.0181	0.0144	0.0039	-	-	0.3290
total	0.3863	0.0392	0.1508	0.0360	0.0284	0.0077	0.0260	0.0002	0.6746

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0030	0.0008	0.0012	0.0000	0.0051
15 mph	0.0252	0.0025	0.0100	0.0030	0.0013	0.0004	0.0005	0.0000	0.0429
25 mph	-	-	-	-	0.0020	0.0005	0.0011	0.0000	0.0036
35 mph	0.1292	0.0132	0.0510	0.0064	-	-	-	-	0.1999
total	0.1544	0.0158	0.0610	0.0094	0.0062	0.0017	0.0029	0.0000	0.2514

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0030	0.0008	0.0012	0.0000	0.0051
10 mph	0.0891	0.0089	0.0352	0.0068	0.0039	0.0011	0.0025	0.0000	0.1474
15 mph	0.0384	0.0039	0.0152	0.0040	0.0018	0.0005	0.0010	0.0000	0.0648
20 mph	0.0639	0.0065	0.0253	0.0050	0.0030	0.0008	0.0016	0.0000	0.1063
25 mph	0.1800	0.0184	0.0713	0.0139	0.0101	0.0028	0.0051	0.0000	0.3016
30 mph	0.1400	0.0144	0.0554	0.0109	0.0065	0.0018	0.0036	0.0000	0.2325
35 mph	0.2067	0.0212	0.0815	0.0126	0.0039	0.0011	0.0023	0.0000	0.3293
40 mph	0.0438	0.0045	0.0173	0.0037	0.0026	0.0007	0.0022	0.0000	0.0748
45 mph	0.0556	0.0057	0.0219	0.0050	0.0037	0.0010	0.0017	0.0000	0.0946
50 mph	0.0475	0.0049	0.0187	0.0042	0.0031	0.0009	0.0013	0.0000	0.0805
55 mph	0.0491	0.0050	0.0193	0.0042	0.0029	0.0008	0.0003	0.0000	0.0817
60 mph	0.0300	0.0030	0.0118	0.0025	0.0017	0.0005	0.0174	0.0001	0.0671
65 mph	0.0077	0.0008	0.0030	0.0006	0.0006	0.0002	-	-	0.0128
70 mph	0.1967	0.0198	0.0761	0.0181	0.0144	0.0039	-	-	0.3290
total	1.1483	0.1169	0.4520	0.0916	0.0613	0.0169	0.0402	0.0003	1.9274

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0019	0.0001	0.0004	0.0002	0.0180	0.0150	0.0119	0.0612	0.1089
15 mph	0.0003	0.0000	0.0001	0.0000	0.0030	0.0026	0.0027	0.0135	0.0223
20 mph	0.0017	0.0001	0.0004	0.0002	0.0148	0.0129	0.0068	0.0285	0.0655
25 mph	0.0056	0.0004	0.0015	0.0008	0.0512	0.0450	0.0272	0.1263	0.2580
30 mph	0.0046	0.0003	0.0013	0.0006	0.0430	0.0377	0.0238	0.1102	0.2215
35 mph	0.0023	0.0002	0.0007	0.0003	0.0229	0.0199	0.0115	0.0534	0.1112
40 mph	0.0009	0.0001	0.0003	0.0001	0.0091	0.0079	0.0129	0.0600	0.0913
45 mph	0.0006	0.0000	0.0002	0.0001	0.0057	0.0049	0.0215	0.1007	0.1338
50 mph	0.0006	0.0000	0.0002	0.0001	0.0056	0.0048	0.0341	0.1579	0.2031
55 mph	0.0010	0.0001	0.0003	0.0001	0.0096	0.0081	0.0040	0.0188	0.0420
60 mph	0.0006	0.0000	0.0002	0.0001	0.0064	0.0053	0.0198	0.0929	0.1253
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0201	0.0013	0.0054	0.0027	0.1895	0.1641	0.1762	0.8234	1.3828

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0003	0.0000	0.0001	0.0000	0.0038	0.0033	0.0043	0.0180	0.0298
25 mph	0.0003	0.0000	0.0001	0.0001	0.0047	0.0042	0.0082	0.0382	0.0558
30 mph	0.0004	0.0000	0.0001	0.0001	0.0069	0.0061	0.0225	0.1040	0.1401
35 mph	0.0006	0.0000	0.0002	0.0001	0.0101	0.0088	0.0326	0.1511	0.2036
40 mph	0.0008	0.0001	0.0002	0.0002	0.0141	0.0121	0.0486	0.2267	0.3028
45 mph	0.0017	0.0001	0.0005	0.0003	0.0288	0.0247	0.0451	0.2113	0.3127
50 mph	0.0014	0.0001	0.0004	0.0002	0.0238	0.0202	0.0351	0.1626	0.2438
55 mph	0.0010	0.0001	0.0003	0.0002	0.0170	0.0144	0.0149	0.0711	0.1190
60 mph	0.0005	0.0000	0.0001	0.0001	0.0087	0.0073	1.3104	6.1362	7.4634
65 mph	0.0003	0.0000	0.0001	0.0000	0.0049	0.0040	-	-	0.0093
70 mph	0.0065	0.0006	0.0017	0.0012	0.1806	0.1250	-	-	0.3157
total	0.0139	0.0012	0.0037	0.0025	0.3035	0.2301	1.5218	7.1193	9.1959

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0484	0.0347	0.0014	0.0036	0.0881
15 mph	0.0007	0.0000	0.0002	0.0001	0.0067	0.0058	0.0029	0.0145	0.0309
25 mph	-	-	-	-	0.0134	0.0118	0.0102	0.0475	0.0829
35 mph	0.0049	0.0003	0.0014	0.0005	-	-	-	-	0.0071
total	0.0056	0.0004	0.0016	0.0006	0.0685	0.0523	0.0145	0.0656	0.2090

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0484	0.0347	0.0014	0.0036	0.0881
10 mph	0.0019	0.0001	0.0004	0.0002	0.0180	0.0150	0.0119	0.0612	0.1089
15 mph	0.0010	0.0001	0.0002	0.0002	0.0097	0.0084	0.0056	0.0280	0.0532
20 mph	0.0019	0.0001	0.0005	0.0003	0.0186	0.0163	0.0112	0.0465	0.0953
25 mph	0.0060	0.0004	0.0016	0.0008	0.0694	0.0609	0.0457	0.2119	0.3967
30 mph	0.0050	0.0003	0.0014	0.0007	0.0500	0.0438	0.0462	0.2142	0.3616
35 mph	0.0078	0.0005	0.0022	0.0009	0.0330	0.0287	0.0441	0.2045	0.3218
40 mph	0.0017	0.0001	0.0005	0.0003	0.0232	0.0200	0.0615	0.2867	0.3941
45 mph	0.0023	0.0002	0.0006	0.0004	0.0346	0.0297	0.0666	0.3121	0.4465
50 mph	0.0020	0.0001	0.0005	0.0003	0.0294	0.0250	0.0691	0.3205	0.4470
55 mph	0.0020	0.0001	0.0005	0.0003	0.0267	0.0225	0.0189	0.0900	0.1610
60 mph	0.0012	0.0001	0.0003	0.0002	0.0151	0.0126	1.3302	6.2291	7.5887
65 mph	0.0003	0.0000	0.0001	0.0000	0.0049	0.0040	-	-	0.0093
70 mph	0.0065	0.0006	0.0017	0.0012	0.1806	0.1250	-	-	0.3157
total	0.0396	0.0029	0.0106	0.0058	0.5616	0.4465	1.7124	8.0083	10.7877

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0023	0.0023
15 mph								0.0005	0.0005
20 mph								0.0014	0.0014
25 mph								0.0051	0.0051
30 mph								0.0038	0.0038
35 mph								0.0015	0.0015
40 mph								0.0012	0.0012
45 mph								0.0016	0.0016
50 mph								0.0020	0.0020
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0195	0.0195

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0009	0.0009
25 mph								0.0016	0.0016
30 mph								0.0036	0.0036
35 mph								0.0041	0.0041
40 mph								0.0047	0.0047
45 mph								0.0033	0.0033
50 mph								0.0020	0.0020
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0102	0.0102

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
15 mph								0.0006	0.0006
25 mph								0.0019	0.0019
35 mph								-	-
total	-	-	-	-	-	-	-	0.0035	0.0035

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
10 mph								0.0023	0.0023
15 mph								0.0011	0.0011
20 mph								0.0022	0.0022
25 mph								0.0086	0.0086
30 mph								0.0074	0.0074
35 mph								0.0056	0.0056
40 mph								0.0059	0.0059
45 mph								0.0049	0.0049
50 mph								0.0040	0.0040
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0431	0.0431

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0514	0.0356	0.0026	0.0045	0.0941
10 mph	0.0911	0.0091	0.0356	0.0070	0.0219	0.0161	0.0143	0.0635	0.2586
15 mph	0.0394	0.0039	0.0154	0.0042	0.0115	0.0090	0.0065	0.0292	0.1191
20 mph	0.0658	0.0066	0.0258	0.0053	0.0217	0.0171	0.0128	0.0487	0.2038
25 mph	0.1859	0.0188	0.0729	0.0147	0.0795	0.0637	0.0508	0.2206	0.7069
30 mph	0.1450	0.0147	0.0567	0.0116	0.0565	0.0456	0.0499	0.2216	0.6015
35 mph	0.2145	0.0217	0.0838	0.0135	0.0369	0.0297	0.0465	0.2101	0.6566
40 mph	0.0456	0.0046	0.0178	0.0040	0.0258	0.0207	0.0637	0.2926	0.4748
45 mph	0.0579	0.0058	0.0226	0.0054	0.0383	0.0307	0.0683	0.3170	0.5460
50 mph	0.0494	0.0050	0.0192	0.0046	0.0325	0.0258	0.0704	0.3246	0.5316
55 mph	0.0511	0.0051	0.0199	0.0045	0.0296	0.0233	0.0192	0.0900	0.2426
60 mph	0.0312	0.0031	0.0121	0.0027	0.0168	0.0131	1.3476	6.2292	7.6558
65 mph	0.0079	0.0008	0.0031	0.0007	0.0055	0.0041	-	-	0.0221
70 mph	0.2032	0.0205	0.0778	0.0193	0.1950	0.1289	-	-	0.6447
STREX	0.0585	0.0057	0.0223	0.0066	0.0007	0.0002	0.0003	0.0000	0.0944
total	1.2464	0.1255	0.4849	0.1040	0.6236	0.4636	1.7530	8.0517	**12.8526**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0017	0.0022	0.0017	0.0018	0.0004	0.0003	0.0004	0.0006
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0585	0.0057	0.0223	0.0066	0.0007	0.0002	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0585	0.0057	0.0223	0.0066	0.0007	0.0002	0.0003	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	16.0908	1.2174	6.0245	1.1404	1.4669	0.5146	1.1551	0.0045
Diesel	0.1626	0.0005	0.0462	0.0293	1.2141	0.9771	5.9185	7.5465
Electric/NG	0.4859	0.0172	0.1100	0.0193	-	-	-	0.4263
Total	16.7392	1.2350	6.1807	1.1890	2.6810	1.4917	7.0736	7.9773

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	14.8568	1.1240	5.5625	1.3151	2.2644	0.7944	4.3621	0.0170
Diesel	0.1501	0.0004	0.0426	0.0338	1.8743	1.5083	22.3496	28.4972
Electric/NG	0.4486	0.0159	0.1016	0.0222	-	-	-	1.6098
Total	15.4555	1.1403	5.7067	1.3711	4.1387	2.3027	26.7117	30.1240

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5.0594	0.3828	1.8943	0.2535	0.1289	0.0452	0.1334	0.0005
Diesel	0.0511	0.0002	0.0145	0.0065	0.1067	0.0859	0.6835	0.8715
Electric/NG	0.1528	0.0054	0.0346	0.0043	-	-	-	0.0492
Total	5.2633	0.3883	1.9434	0.2643	0.2356	0.1311	0.8169	0.9213

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	36.0070	2.7242	13.4813	2.7090	3.8602	1.3543	5.6507	0.0220	65.8086
Diesel	0.3638	0.0011	0.1033	0.0696	3.1951	2.5712	28.9516	36.9152	72.1708
Electric/NG	1.0872	0.0384	0.2462	0.0458	-	-	-	2.0853	3.5030
Total	37.4580	2.7637	13.8308	2.8244	7.0553	3.9255	34.6022	39.0225	**141.4824**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	137.8992
Internal	155.4896
Total	**293.3888**

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Project) - Mitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0356	0.0329	0.0309	0.0349
10 mph	0.0051	0.0067	0.0053	0.0054	0.0045	0.0042	0.0040	0.0045
15 mph	0.0034	0.0045	0.0036	0.0036	0.0030	0.0028	0.0026	0.0030
20 mph	0.0024	0.0032	0.0025	0.0025	0.0021	0.0020	0.0019	0.0021
25 mph	0.0017	0.0024	0.0018	0.0019	0.0016	0.0014	0.0014	0.0016
30 mph	0.0014	0.0018	0.0014	0.0015	0.0012	0.0011	0.0011	0.0012
35 mph	0.0011	0.0015	0.0012	0.0012	0.0010	0.0009	0.0009	0.0010
40 mph	0.0010	0.0013	0.0010	0.0010	0.0009	0.0008	0.0008	0.0009
45 mph	0.0009	0.0012	0.0009	0.0010	0.0008	0.0007	0.0007	0.0008
50 mph	0.0009	0.0012	0.0009	0.0009	0.0008	0.0007	0.0007	0.0008
55 mph	0.0009	0.0012	0.0009	0.0009	0.0008	0.0007	0.0007	0.0008
60 mph	0.0009	0.0013	0.0010	0.0010	0.0009	0.0008	0.0007	0.0009
65 mph	0.0011	0.0014	0.0011	0.0011	0.0010	0.0009		
70 mph	0.0012	0.0015	0.0012	0.0012	0.0011	0.0009		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7600	0.7746	0.0070	0.0096
10 mph	0.0113	0.2922	0.0092	0.0078	0.0279	0.0330	0.0039	0.0107
15 mph	0.0092	0.2117	0.0078	0.0064	0.0209	0.0259	0.0031	0.0082
20 mph	0.0073	0.1619	0.0065	0.0052	0.0172	0.0214	0.0026	0.0058
25 mph	0.0059	0.1296	0.0055	0.0044	0.0143	0.0178	0.0025	0.0062
30 mph	0.0050	0.1088	0.0049	0.0039	0.0125	0.0156	0.0027	0.0067
35 mph	0.0044	0.0959	0.0044	0.0035	0.0114	0.0141	0.0033	0.0081
40 mph	0.0040	0.0879	0.0040	0.0032	0.0106	0.0130	0.0042	0.0105
45 mph	0.0038	0.0838	0.0037	0.0030	0.0100	0.0122	0.0055	0.0137
50 mph	0.0036	0.0841	0.0035	0.0029	0.0098	0.0118	0.0071	0.0175
55 mph	0.0036	0.0882	0.0034	0.0028	0.0096	0.0115	0.0091	0.0230
60 mph	0.0037	0.0963	0.0033	0.0028	0.0098	0.0117	0.0114	0.0283
65 mph	0.0039	0.1112	0.0034	0.0029	0.0111	0.0128		
70 mph	0.0040	0.1331	0.0036	0.0033	0.0173	0.0171		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0460
10 mph								0.0072
15 mph								0.0059
20 mph								0.0050
25 mph								0.0045
30 mph								0.0042
35 mph								0.0040
40 mph								0.0039
45 mph								0.0039
50 mph								0.0040
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0819	0.0082	0.0323	0.0062	0.0035	0.0010	0.0023	0.0000	0.1355
15 mph	0.0121	0.0012	0.0048	0.0009	0.0005	0.0001	0.0004	0.0000	0.0201
20 mph	0.0509	0.0052	0.0202	0.0039	0.0022	0.0006	0.0009	0.0000	0.0839
25 mph	0.1568	0.0160	0.0621	0.0120	0.0069	0.0019	0.0028	0.0000	0.2585
30 mph	0.1174	0.0120	0.0464	0.0089	0.0051	0.0014	0.0017	0.0000	0.1931
35 mph	0.0563	0.0058	0.0222	0.0043	0.0025	0.0007	0.0006	0.0000	0.0923
40 mph	0.0209	0.0021	0.0083	0.0016	0.0009	0.0003	0.0004	0.0000	0.0346
45 mph	0.0128	0.0013	0.0050	0.0010	0.0006	0.0002	0.0005	0.0000	0.0213
50 mph	0.0123	0.0013	0.0049	0.0009	0.0005	0.0001	0.0006	0.0000	0.0207
55 mph	0.0220	0.0022	0.0086	0.0017	0.0010	0.0003	0.0001	0.0000	0.0358
60 mph	0.0152	0.0015	0.0060	0.0011	0.0007	0.0002	0.0002	0.0000	0.0249
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.5586	0.0570	0.2209	0.0425	0.0245	0.0068	0.0105	0.0001	0.9207

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0078	0.0008	0.0031	0.0007	0.0006	0.0002	0.0006	0.0000	0.0138
25 mph	0.0087	0.0009	0.0034	0.0008	0.0006	0.0002	0.0008	0.0000	0.0155
30 mph	0.0113	0.0012	0.0045	0.0011	0.0008	0.0002	0.0016	0.0000	0.0207
35 mph	0.0149	0.0015	0.0059	0.0014	0.0011	0.0003	0.0016	0.0000	0.0267
40 mph	0.0193	0.0020	0.0076	0.0018	0.0014	0.0004	0.0016	0.0000	0.0342
45 mph	0.0383	0.0039	0.0151	0.0036	0.0028	0.0008	0.0011	0.0000	0.0657
50 mph	0.0313	0.0032	0.0123	0.0030	0.0023	0.0006	0.0006	0.0000	0.0534
55 mph	0.0232	0.0024	0.0091	0.0022	0.0017	0.0005	0.0002	0.0000	0.0393
60 mph	0.0124	0.0013	0.0049	0.0012	0.0009	0.0003	0.0158	0.0001	0.0368
65 mph	0.0070	0.0007	0.0028	0.0007	0.0005	0.0001	-	-	0.0118
70 mph	0.1808	0.0182	0.0700	0.0167	0.0132	0.0036	-	-	0.3025
total	0.3551	0.0360	0.1387	0.0332	0.0261	0.0071	0.0239	0.0002	0.6203

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0027	0.0008	0.0011	0.0000	0.0047
15 mph	0.0232	0.0023	0.0092	0.0028	0.0012	0.0003	0.0005	0.0000	0.0394
25 mph	-	-	-	-	0.0018	0.0005	0.0010	0.0000	0.0034
35 mph	0.1188	0.0122	0.0469	0.0059	-	-	-	-	0.1838
total	0.1420	0.0145	0.0561	0.0086	0.0057	0.0016	0.0026	0.0000	0.2312

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0027	0.0008	0.0011	0.0000	0.0047
10 mph	0.0819	0.0082	0.0323	0.0062	0.0035	0.0010	0.0023	0.0000	0.1355
15 mph	0.0353	0.0036	0.0140	0.0037	0.0017	0.0005	0.0009	0.0000	0.0595
20 mph	0.0587	0.0060	0.0233	0.0046	0.0028	0.0008	0.0015	0.0000	0.0977
25 mph	0.1655	0.0169	0.0656	0.0128	0.0093	0.0026	0.0046	0.0000	0.2773
30 mph	0.1287	0.0132	0.0509	0.0100	0.0060	0.0017	0.0033	0.0000	0.2138
35 mph	0.1900	0.0195	0.0750	0.0115	0.0036	0.0010	0.0022	0.0000	0.3028
40 mph	0.0403	0.0041	0.0159	0.0034	0.0023	0.0006	0.0020	0.0000	0.0688
45 mph	0.0511	0.0052	0.0202	0.0046	0.0034	0.0009	0.0016	0.0000	0.0870
50 mph	0.0436	0.0045	0.0172	0.0039	0.0029	0.0008	0.0012	0.0000	0.0741
55 mph	0.0451	0.0046	0.0178	0.0039	0.0027	0.0007	0.0003	0.0000	0.0751
60 mph	0.0276	0.0028	0.0108	0.0023	0.0016	0.0004	0.0160	0.0001	0.0617
65 mph	0.0070	0.0007	0.0028	0.0007	0.0005	0.0001	-	-	0.0118
70 mph	0.1808	0.0182	0.0700	0.0167	0.0132	0.0036	-	-	0.3025
total	1.0558	0.1075	0.4156	0.0843	0.0563	0.0155	0.0370	0.0003	1.7723

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0019	0.0001	0.0004	0.0002	0.0172	0.0144	0.0114	0.0586	0.1042
15 mph	0.0003	0.0000	0.0001	0.0000	0.0029	0.0025	0.0026	0.0129	0.0213
20 mph	0.0016	0.0001	0.0004	0.0002	0.0142	0.0124	0.0066	0.0273	0.0627
25 mph	0.0054	0.0003	0.0014	0.0007	0.0490	0.0430	0.0261	0.1208	0.2468
30 mph	0.0044	0.0003	0.0012	0.0006	0.0412	0.0361	0.0228	0.1054	0.2119
35 mph	0.0022	0.0001	0.0006	0.0003	0.0219	0.0190	0.0110	0.0511	0.1063
40 mph	0.0009	0.0001	0.0002	0.0001	0.0087	0.0075	0.0123	0.0574	0.0873
45 mph	0.0005	0.0000	0.0002	0.0001	0.0055	0.0047	0.0206	0.0964	0.1280
50 mph	0.0005	0.0000	0.0001	0.0001	0.0054	0.0046	0.0326	0.1511	0.1944
55 mph	0.0009	0.0001	0.0002	0.0001	0.0092	0.0078	0.0038	0.0180	0.0402
60 mph	0.0006	0.0000	0.0002	0.0001	0.0061	0.0051	0.0190	0.0888	0.1199
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0192	0.0013	0.0051	0.0026	0.1813	0.1570	0.1686	0.7878	1.3229

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0002	0.0000	0.0001	0.0000	0.0036	0.0032	0.0041	0.0172	0.0285
25 mph	0.0003	0.0000	0.0001	0.0000	0.0045	0.0040	0.0079	0.0365	0.0533
30 mph	0.0004	0.0000	0.0001	0.0001	0.0066	0.0058	0.0215	0.0995	0.1341
35 mph	0.0006	0.0000	0.0002	0.0001	0.0097	0.0084	0.0312	0.1446	0.1948
40 mph	0.0008	0.0001	0.0002	0.0001	0.0135	0.0116	0.0465	0.2168	0.2897
45 mph	0.0016	0.0001	0.0005	0.0003	0.0276	0.0237	0.0432	0.2022	0.2991
50 mph	0.0013	0.0001	0.0004	0.0002	0.0228	0.0193	0.0336	0.1556	0.2333
55 mph	0.0010	0.0001	0.0003	0.0002	0.0163	0.0137	0.0143	0.0681	0.1138
60 mph	0.0005	0.0000	0.0001	0.0001	0.0083	0.0070	1.2537	5.8708	7.1405
65 mph	0.0003	0.0000	0.0001	0.0000	0.0047	0.0038	-	-	0.0089
70 mph	0.0063	0.0006	0.0016	0.0012	0.1727	0.1196	-	-	0.3020
total	0.0133	0.0011	0.0035	0.0024	0.2904	0.2201	1.4559	6.8113	8.7981

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0463	0.0332	0.0013	0.0034	0.0843
15 mph	0.0006	0.0000	0.0002	0.0001	0.0064	0.0056	0.0028	0.0139	0.0296
25 mph	-	-	-	-	0.0129	0.0113	0.0098	0.0454	0.0793
35 mph	0.0047	0.0003	0.0013	0.0004	-	-	-	-	0.0068
total	0.0053	0.0003	0.0015	0.0006	0.0656	0.0501	0.0139	0.0627	0.2000

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0463	0.0332	0.0013	0.0034	0.0843
10 mph	0.0019	0.0001	0.0004	0.0002	0.0172	0.0144	0.0114	0.0586	0.1042
15 mph	0.0010	0.0001	0.0002	0.0002	0.0093	0.0081	0.0053	0.0268	0.0509
20 mph	0.0018	0.0001	0.0005	0.0002	0.0178	0.0156	0.0107	0.0445	0.0912
25 mph	0.0057	0.0004	0.0015	0.0008	0.0664	0.0583	0.0437	0.2027	0.3795
30 mph	0.0048	0.0003	0.0013	0.0007	0.0478	0.0419	0.0442	0.2049	0.3459
35 mph	0.0075	0.0005	0.0021	0.0009	0.0316	0.0274	0.0422	0.1957	0.3079
40 mph	0.0017	0.0001	0.0005	0.0003	0.0222	0.0192	0.0588	0.2743	0.3770
45 mph	0.0022	0.0001	0.0006	0.0004	0.0331	0.0284	0.0638	0.2986	0.4271
50 mph	0.0019	0.0001	0.0005	0.0003	0.0281	0.0239	0.0661	0.3067	0.4276
55 mph	0.0019	0.0001	0.0005	0.0003	0.0255	0.0215	0.0181	0.0861	0.1540
60 mph	0.0011	0.0001	0.0003	0.0002	0.0144	0.0120	1.2727	5.9596	7.2604
65 mph	0.0003	0.0000	0.0001	0.0000	0.0047	0.0038	-	-	0.0089
70 mph	0.0063	0.0006	0.0016	0.0012	0.1727	0.1196	-	-	0.3020
total	0.0379	0.0027	0.0101	0.0056	0.5373	0.4272	1.6384	7.6618	10.3210

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0022	0.0022
15 mph								0.0005	0.0005
20 mph								0.0013	0.0013
25 mph								0.0049	0.0049
30 mph								0.0037	0.0037
35 mph								0.0014	0.0014
40 mph								0.0012	0.0012
45 mph								0.0015	0.0015
50 mph								0.0019	0.0019
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0186	0.0186

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0008	0.0008
25 mph								0.0015	0.0015
30 mph								0.0035	0.0035
35 mph								0.0039	0.0039
40 mph								0.0045	0.0045
45 mph								0.0032	0.0032
50 mph								0.0020	0.0020
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0097	0.0097

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
15 mph								0.0006	0.0006
25 mph								0.0019	0.0019
35 mph								-	-
total	-	-	-	-	-	-	-	0.0033	0.0033

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
10 mph								0.0022	0.0022
15 mph								0.0011	0.0011
20 mph								0.0021	0.0021
25 mph								0.0083	0.0083
30 mph								0.0071	0.0071
35 mph								0.0053	0.0053
40 mph								0.0057	0.0057
45 mph								0.0047	0.0047
50 mph								0.0039	0.0039
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0413	0.0413

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0491	0.0340	0.0024	0.0043	0.0898
10 mph	0.0838	0.0083	0.0328	0.0064	0.0208	0.0154	0.0136	0.0608	0.2419
15 mph	0.0362	0.0036	0.0142	0.0038	0.0110	0.0085	0.0062	0.0279	0.1115
20 mph	0.0606	0.0061	0.0238	0.0049	0.0206	0.0163	0.0121	0.0466	0.1910
25 mph	0.1712	0.0173	0.0671	0.0136	0.0757	0.0609	0.0484	0.2110	0.6651
30 mph	0.1335	0.0135	0.0522	0.0107	0.0538	0.0435	0.0476	0.2121	0.5668
35 mph	0.1975	0.0200	0.0771	0.0124	0.0352	0.0284	0.0444	0.2010	0.6160
40 mph	0.0420	0.0042	0.0164	0.0037	0.0246	0.0198	0.0609	0.2800	0.4515
45 mph	0.0533	0.0054	0.0208	0.0050	0.0365	0.0293	0.0653	0.3033	0.5189
50 mph	0.0455	0.0046	0.0177	0.0042	0.0310	0.0247	0.0673	0.3105	0.5056
55 mph	0.0470	0.0047	0.0183	0.0041	0.0282	0.0223	0.0183	0.0861	0.2291
60 mph	0.0287	0.0029	0.0111	0.0025	0.0160	0.0125	1.2887	5.9598	7.3221
65 mph	0.0073	0.0007	0.0028	0.0007	0.0052	0.0040	-	-	0.0207
70 mph	0.1871	0.0188	0.0716	0.0178	0.1860	0.1232	-	-	0.6045
STREX	0.0538	0.0052	0.0205	0.0061	0.0007	0.0002	0.0003	0.0000	0.0868
total	1.1475	0.1155	0.4463	0.0959	0.5943	0.4429	1.6756	7.7034	**12.2213**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0016	0.0020	0.0016	0.0016	0.0004	0.0003	0.0004	0.0006
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0538	0.0052	0.0205	0.0061	0.0007	0.0002	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0538	0.0052	0.0205	0.0061	0.0007	0.0002	0.0003	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	6.3824	0.4829	2.3896	0.4523	0.6038	0.2130	0.4777	0.0017
Diesel	0.0645	0.0002	0.0183	0.0116	0.4909	0.3980	2.4474	2.7379
Electric/NG	0.1927	0.0068	0.0436	0.0076	-	-	-	0.1547
Total	6.6396	0.4899	2.4516	0.4716	1.0948	0.6110	2.9251	2.8942

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5.8929	0.4458	2.2064	0.5216	0.9322	0.3288	1.8038	0.0065
Diesel	0.0595	0.0002	0.0169	0.0134	0.7578	0.6145	9.2419	10.3388
Electric/NG	0.1779	0.0063	0.0403	0.0088	-	-	-	0.5840
Total	6.1304	0.4523	2.2636	0.5439	1.6900	0.9433	11.0457	10.9293

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.0068	0.1518	0.7514	0.1005	0.0531	0.0187	0.0552	0.0002
Diesel	0.0203	0.0001	0.0058	0.0026	0.0431	0.0350	0.2826	0.3162
Electric/NG	0.0606	0.0021	0.0137	0.0017	-	-	-	0.0179
Total	2.0877	0.1540	0.7708	0.1048	0.0962	0.0537	0.3378	0.3343

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	14.2821	1.0805	5.3473	1.0745	1.5891	0.5605	2.3366	0.0085	26.2792
Diesel	0.1443	0.0004	0.0410	0.0276	1.2919	1.0475	11.9720	13.3928	27.9175
Electric/NG	0.4312	0.0152	0.0977	0.0182	-	-	-	0.7566	1.3189
Total	14.8576	1.0962	5.4860	1.1203	2.8810	1.6080	14.3086	14.1578	**55.5155**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	33.8480
Internal	38.1656
Total	**72.0136**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0378	0.0262	0.0019	0.0033	0.0692
10 mph	0.0536	0.0053	0.0210	0.0041	0.0160	0.0118	0.0105	0.0468	0.1692
15 mph	0.0232	0.0023	0.0091	0.0025	0.0084	0.0066	0.0048	0.0215	0.0784
20 mph	0.0388	0.0039	0.0152	0.0031	0.0159	0.0126	0.0094	0.0359	0.1347
25 mph	0.1096	0.0111	0.0429	0.0087	0.0583	0.0469	0.0373	0.1625	0.4771
30 mph	0.0854	0.0086	0.0334	0.0068	0.0414	0.0335	0.0366	0.1633	0.4092
35 mph	0.1264	0.0128	0.0493	0.0079	0.0271	0.0219	0.0342	0.1548	0.4344
40 mph	0.0268	0.0027	0.0105	0.0024	0.0189	0.0152	0.0469	0.2156	0.3390
45 mph	0.0341	0.0034	0.0133	0.0032	0.0281	0.0226	0.0503	0.2336	0.3886
50 mph	0.0291	0.0029	0.0113	0.0027	0.0239	0.0190	0.0519	0.2391	0.3799
55 mph	0.0301	0.0030	0.0117	0.0027	0.0217	0.0171	0.0141	0.0663	0.1667
60 mph	0.0184	0.0018	0.0071	0.0016	0.0123	0.0096	0.9923	4.5890	5.6321
65 mph	0.0047	0.0005	0.0018	0.0005	0.0040	0.0030	-	-	0.0145
70 mph	0.1197	0.0121	0.0458	0.0114	0.1432	0.0949	-	-	0.4271
total	0.6999	0.0705	0.2725	0.0575	0.4571	0.3409	1.2900	5.9316	9.1201

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2025 Phase 1 Buildout (Project) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	2,726	2.40	0.32	0.0005	1.3	0.0019	5.2
2	L	3,260	2.40	0.32	0.0005	1.5	0.0019	6.2
3	L	3,203	2.40	0.32	0.0005	1.5	0.0019	6.1
5	L	2,810	2.40	0.32	0.0005	1.3	0.0019	5.4
6	L	10,343	2.40	0.32	0.0005	4.8	0.0019	19.7
8	L	2,383	2.40	0.32	0.0005	1.1	0.0019	4.5
11	L	5,534	2.40	0.32	0.0005	2.6	0.0019	10.5
12	L	6,309	2.40	0.32	0.0005	3.0	0.0019	12.0
14	L	2,918	2.40	0.32	0.0005	1.4	0.0019	5.6
18	L	928	2.40	0.32	0.0005	0.4	0.0019	1.8
19	L	2,023	2.40	0.32	0.0005	0.9	0.0019	3.9
21	L	1,170	2.40	0.32	0.0005	0.5	0.0019	2.2
24	L	2,428	2.40	0.32	0.0005	1.1	0.0019	4.6
30	L	25,286	2.40	0.32	0.0005	11.8	0.0019	48.2
29	L	1,932	2.40	0.32	0.0005	0.9	0.0019	3.7
31	L	8,362	2.40	0.32	0.0005	3.9	0.0019	15.9
TOTAL						38.2		155.5

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2025 Phase 1 Buildout (Project) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	337,849	2.40	0.032	0.0001	19.43652293	0.0002	79.18583414
Freeway	F	499,178	2.40	0.015	0.0000	14.41145858	0.0001	58.71334977
TOTAL		837,027				33.8479815		137.8991839

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Project) - Mitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0057	0.0100	0.0081	0.0096	0.0132	0.0149	0.0233	0.2032
15 mph	0.0050	0.0087	0.0070	0.0084	0.0116	0.0131	0.0207	0.1796
20 mph	0.0045	0.0077	0.0063	0.0075	0.0107	0.0118	0.0187	0.1627
25 mph	0.0041	0.0070	0.0057	0.0068	0.0098	0.0108	0.0169	0.1492
30 mph	0.0038	0.0064	0.0053	0.0063	0.0092	0.0101	0.0155	0.1394
35 mph	0.0036	0.0061	0.0050	0.0059	0.0088	0.0095	0.0145	0.1324
40 mph	0.0034	0.0058	0.0047	0.0057	0.0085	0.0091	0.0139	0.1272
45 mph	0.0033	0.0056	0.0046	0.0055	0.0084	0.0089	0.0134	0.1240
50 mph	0.0033	0.0056	0.0046	0.0055	0.0084	0.0088	0.0133	0.1230
55 mph	0.0033	0.0058	0.0046	0.0056	0.0085	0.0089	0.0135	0.1248
60 mph	0.0034	0.0061	0.0049	0.0059	0.0089	0.0093	0.0139	0.1289
65 mph	0.0036	0.0066	0.0051	0.0062	0.0093	0.0097	0.0147	0.1346
70 mph	0.0038	0.0074	0.0053	0.0067	0.0104	0.0100	0.0146	0.1442

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0613	0.1353	0.0828	0.1031	0.1491	0.1668	0.2923	0.4418
15 mph	0.0504	0.1126	0.0687	0.0873	0.0969	0.1106	0.2300	0.3430
20 mph	0.0414	0.0924	0.0564	0.0725	0.0827	0.0944	0.1964	0.2895
25 mph	0.0347	0.0772	0.0473	0.0615	0.0734	0.0842	0.1714	0.2470
30 mph	0.0301	0.0665	0.0409	0.0532	0.0667	0.0760	0.1505	0.2167
35 mph	0.0272	0.0596	0.0369	0.0484	0.0669	0.0762	0.1344	0.1936
40 mph	0.0255	0.0555	0.0344	0.0453	0.0652	0.0735	0.1231	0.1777
45 mph	0.0246	0.0536	0.0332	0.0436	0.0636	0.0707	0.1167	0.1686
50 mph	0.0247	0.0536	0.0333	0.0439	0.0667	0.0734	0.1151	0.1654
55 mph	0.0258	0.0560	0.0348	0.0463	0.0697	0.0759	0.1184	0.1724
60 mph	0.0280	0.0607	0.0377	0.0501	0.0703	0.0761	0.1265	0.1827
65 mph	0.0315	0.0677	0.0423	0.0565	0.0715	0.0766	0.1395	0.1983
70 mph	0.0344	0.0706	0.0451	0.0619	0.0735	0.0786	0.1406	0.2008

*US EPA Emission Factors for Greenhouse Gas Inventories. (idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.9491
15 mph								0.7965
20 mph								0.6951
25 mph								0.6401
30 mph								0.6049
35 mph								0.5770
40 mph								0.5542
45 mph								0.5351
50 mph								0.5187
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0918	0.0123	0.0488	0.0110	0.0103	0.0035	0.0132	0.0008	0.1917
15 mph	0.0179	0.0024	0.0095	0.0021	0.0020	0.0007	0.0034	0.0002	0.0382
20 mph	0.0966	0.0126	0.0509	0.0114	0.0111	0.0038	0.0091	0.0005	0.1960
25 mph	0.3666	0.0474	0.1921	0.0433	0.0426	0.0143	0.0344	0.0020	0.7426
30 mph	0.3265	0.0420	0.1705	0.0385	0.0385	0.0128	0.0252	0.0015	0.6555
35 mph	0.1796	0.0231	0.0935	0.0212	0.0215	0.0071	0.0094	0.0006	0.3560
40 mph	0.0735	0.0095	0.0383	0.0087	0.0089	0.0029	0.0079	0.0005	0.1501
45 mph	0.0474	0.0061	0.0247	0.0056	0.0058	0.0019	0.0098	0.0006	0.1020
50 mph	0.0469	0.0061	0.0245	0.0056	0.0058	0.0019	0.0118	0.0007	0.1034
55 mph	0.0831	0.0111	0.0437	0.0100	0.0104	0.0033	0.0011	0.0001	0.1627
60 mph	0.0555	0.0075	0.0294	0.0067	0.0069	0.0022	0.0045	0.0003	0.1131
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	1.3853	0.1800	0.7259	0.1642	0.1639	0.0543	0.1299	0.0079	2.8114

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0149	0.0019	0.0078	0.0022	0.0029	0.0010	0.0057	0.0003	0.0367
25 mph	0.0203	0.0026	0.0106	0.0030	0.0039	0.0013	0.0104	0.0006	0.0528
30 mph	0.0314	0.0040	0.0164	0.0046	0.0062	0.0021	0.0238	0.0014	0.0900
35 mph	0.0474	0.0061	0.0247	0.0070	0.0095	0.0031	0.0267	0.0016	0.1261
40 mph	0.0678	0.0087	0.0353	0.0100	0.0138	0.0045	0.0298	0.0018	0.1719
45 mph	0.1423	0.0184	0.0742	0.0211	0.0292	0.0094	0.0205	0.0013	0.3165
50 mph	0.1190	0.0156	0.0622	0.0177	0.0247	0.0079	0.0122	0.0008	0.2601
55 mph	0.0877	0.0117	0.0461	0.0131	0.0183	0.0058	0.0041	0.0003	0.1872
60 mph	0.0456	0.0062	0.0241	0.0069	0.0095	0.0030	0.2991	0.0187	0.4131
65 mph	0.0239	0.0033	0.0127	0.0036	0.0050	0.0016	-	-	0.0501
70 mph	0.5877	0.0876	0.3120	0.0921	0.1315	0.0383	-	-	1.2492
total	1.1879	0.1662	0.6263	0.1814	0.2544	0.0780	0.4325	0.0269	2.9537

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0010	0.0003	0.0005	0.0000	0.0018
15 mph	0.0343	0.0045	0.0182	0.0064	0.0045	0.0015	0.0036	0.0002	0.0733
25 mph	-	-	-	-	0.0112	0.0038	0.0129	0.0008	0.0286
35 mph	0.3787	0.0487	0.1972	0.0291	-	-	-	-	0.6539
total	0.4131	0.0533	0.2154	0.0355	0.0167	0.0056	0.0170	0.0010	0.7576

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0010	0.0003	0.0005	0.0000	0.0018
10 mph	0.0918	0.0123	0.0488	0.0110	0.0103	0.0035	0.0132	0.0008	0.1917
15 mph	0.0523	0.0069	0.0276	0.0085	0.0065	0.0022	0.0070	0.0004	0.1114
20 mph	0.1115	0.0145	0.0587	0.0136	0.0140	0.0047	0.0148	0.0009	0.2328
25 mph	0.3869	0.0500	0.2027	0.0463	0.0577	0.0194	0.0577	0.0034	0.8241
30 mph	0.3579	0.0460	0.1869	0.0432	0.0447	0.0149	0.0490	0.0030	0.7455
35 mph	0.6057	0.0779	0.3154	0.0573	0.0310	0.0102	0.0361	0.0022	1.1360
40 mph	0.1413	0.0182	0.0736	0.0187	0.0227	0.0074	0.0377	0.0023	0.3220
45 mph	0.1897	0.0246	0.0990	0.0267	0.0350	0.0113	0.0303	0.0019	0.4185
50 mph	0.1659	0.0218	0.0867	0.0233	0.0305	0.0098	0.0240	0.0015	0.3634
55 mph	0.1707	0.0227	0.0899	0.0231	0.0287	0.0091	0.0052	0.0003	0.3499
60 mph	0.1011	0.0137	0.0536	0.0136	0.0164	0.0052	0.3037	0.0190	0.5262
65 mph	0.0239	0.0033	0.0127	0.0036	0.0050	0.0016	-	-	0.0501
70 mph	0.5877	0.0876	0.3120	0.0921	0.1315	0.0383	-	-	1.2492
total	2.9862	0.3995	1.5675	0.3812	0.4350	0.1380	0.5794	0.0358	6.5226

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0100	0.0001	0.0038	0.0030	0.0921	0.0725	0.8509	2.4259	3.4584
15 mph	0.0018	0.0000	0.0007	0.0006	0.0133	0.0107	0.1913	0.5382	0.7565
20 mph	0.0090	0.0001	0.0035	0.0028	0.0682	0.0547	0.4901	1.3626	1.9910
25 mph	0.0315	0.0002	0.0122	0.0101	0.2519	0.2032	1.7822	4.8444	7.1357
30 mph	0.0262	0.0002	0.0101	0.0084	0.2199	0.1761	1.2515	3.3997	5.0921
35 mph	0.0138	0.0001	0.0053	0.0044	0.1286	0.1030	0.4470	1.2151	1.9174
40 mph	0.0055	0.0000	0.0021	0.0018	0.0537	0.0426	0.3583	0.9756	1.4397
45 mph	0.0036	0.0000	0.0014	0.0011	0.0349	0.0273	0.4365	1.1903	1.6951
50 mph	0.0036	0.0000	0.0014	0.0011	0.0366	0.0283	0.5264	1.4276	2.0251
55 mph	0.0066	0.0000	0.0025	0.0021	0.0670	0.0513	0.0492	0.1352	0.3139
60 mph	0.0046	0.0000	0.0017	0.0015	0.0434	0.0331	0.2104	0.5734	0.8681
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.1163	0.0008	0.0448	0.0370	1.0097	0.8028	6.5939	18.0879	26.6931

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0014	0.0000	0.0005	0.0005	0.0175	0.0141	0.3085	0.8576	1.2001
25 mph	0.0017	0.0000	0.0007	0.0007	0.0233	0.0188	0.5384	1.4635	2.0472
30 mph	0.0025	0.0000	0.0010	0.0010	0.0354	0.0283	1.1815	3.2095	4.4592
35 mph	0.0036	0.0000	0.0014	0.0015	0.0567	0.0454	1.2661	3.4413	4.8161
40 mph	0.0051	0.0000	0.0020	0.0021	0.0829	0.0657	1.3531	3.6841	5.1950
45 mph	0.0107	0.0001	0.0041	0.0043	0.1752	0.1370	0.9158	2.4971	3.7443
50 mph	0.0091	0.0001	0.0035	0.0036	0.1556	0.1203	0.5421	1.4703	2.3046
55 mph	0.0069	0.0000	0.0026	0.0028	0.1181	0.0905	0.1859	0.5106	0.9175
60 mph	0.0038	0.0000	0.0014	0.0015	0.0596	0.0454	13.9065	37.8894	51.9077
65 mph	0.0021	0.0000	0.0008	0.0009	0.0303	0.0228	-	-	0.0569
70 mph	0.0542	0.0003	0.0202	0.0220	0.7316	0.5507	-	-	1.3790
total	0.1012	0.0006	0.0382	0.0408	1.4863	1.1391	20.1979	55.0234	78.0275

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0003	0.0002	0.0009	0.0017	0.0031
15 mph	0.0035	0.0000	0.0014	0.0017	0.0297	0.0238	0.2061	0.5797	0.8458
25 mph	-	-	-	-	0.0661	0.0533	0.6697	1.8204	2.6095
35 mph	0.0292	0.0002	0.0112	0.0061	-	-	-	-	0.0467
total	0.0327	0.0002	0.0126	0.0078	0.0960	0.0773	0.8767	2.4018	3.5052

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0003	0.0002	0.0009	0.0017	0.0031
10 mph	0.0100	0.0001	0.0038	0.0030	0.0921	0.0725	0.8509	2.4259	3.4584
15 mph	0.0053	0.0000	0.0021	0.0023	0.0430	0.0345	0.3973	1.1179	1.6024
20 mph	0.0104	0.0001	0.0040	0.0034	0.0857	0.0688	0.7986	2.2201	3.1911
25 mph	0.0333	0.0002	0.0129	0.0108	0.3413	0.2753	2.9903	8.1283	11.7924
30 mph	0.0287	0.0002	0.0111	0.0094	0.2553	0.2045	2.4329	6.6092	9.5513
35 mph	0.0467	0.0003	0.0180	0.0120	0.1853	0.1484	1.7131	4.6564	6.7803
40 mph	0.0107	0.0001	0.0041	0.0038	0.1366	0.1083	1.7114	4.6597	6.6347
45 mph	0.0143	0.0001	0.0055	0.0054	0.2102	0.1643	1.3524	3.6873	5.4394
50 mph	0.0127	0.0001	0.0049	0.0048	0.1922	0.1487	1.0685	2.8979	4.3297
55 mph	0.0135	0.0001	0.0052	0.0049	0.1851	0.1418	0.2351	0.6458	1.2314
60 mph	0.0083	0.0001	0.0032	0.0030	0.1030	0.0784	14.1170	38.4628	52.7758
65 mph	0.0021	0.0000	0.0008	0.0009	0.0303	0.0228	-	-	0.0569
70 mph	0.0542	0.0003	0.0202	0.0220	0.7316	0.5507	-	-	1.3790
total	0.2502	0.0016	0.0957	0.0856	2.5920	2.0191	27.6684	75.5131	108.2258

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.2898	0.2898
15 mph								0.0695	0.0695
20 mph								0.1819	0.1819
25 mph								0.6980	0.6980
30 mph								0.5277	0.5277
35 mph								0.2013	0.2013
40 mph								0.1692	0.1692
45 mph								0.2100	0.2100
50 mph								0.2489	0.2489
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.5962	2.5962

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.1145	0.1145
25 mph								0.2109	0.2109
30 mph								0.4981	0.4981
35 mph								0.5702	0.5702
40 mph								0.6390	0.6390
45 mph								0.4406	0.4406
50 mph								0.2563	0.2563
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.3937	1.3937

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
15 mph								0.0748	0.0748
25 mph								0.2623	0.2623
35 mph								-	-
total	-	-	-	-	-	-	-	0.3374	0.3374

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
10 mph								0.2898	0.2898
15 mph								0.1443	0.1443
20 mph								0.2964	0.2964
25 mph								1.1711	1.1711
30 mph								1.0258	1.0258
35 mph								0.7716	0.7716
40 mph								0.8082	0.8082
45 mph								0.6507	0.6507
50 mph								0.5052	0.5052
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.6632	5.6632

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0013	0.0005	0.0014	0.0020	0.0052
10 mph	0.1018	0.0123	0.0526	0.0140	0.1025	0.0760	0.8641	2.7165	3.9399
15 mph	0.0576	0.0069	0.0297	0.0108	0.0495	0.0367	0.4043	1.2626	1.8581
20 mph	0.1219	0.0146	0.0627	0.0170	0.0997	0.0735	0.8134	2.5174	3.7202
25 mph	0.4201	0.0502	0.2156	0.0571	0.3991	0.2947	3.0480	9.3029	13.7876
30 mph	0.3866	0.0462	0.1980	0.0525	0.2999	0.2193	2.4820	7.6380	11.3226
35 mph	0.6523	0.0782	0.3334	0.0693	0.2163	0.1586	1.7493	5.4302	8.6878
40 mph	0.1520	0.0183	0.0777	0.0226	0.1592	0.1157	1.7492	5.4702	7.7649
45 mph	0.2040	0.0247	0.1045	0.0321	0.2451	0.1756	1.3827	4.3399	6.5086
50 mph	0.1785	0.0218	0.0916	0.0281	0.2227	0.1584	1.0925	3.4046	5.1983
55 mph	0.1842	0.0228	0.0950	0.0280	0.2138	0.1509	0.2404	0.6461	1.5813
60 mph	0.1094	0.0137	0.0567	0.0166	0.1195	0.0837	14.4206	38.4818	53.3020
65 mph	0.0260	0.0033	0.0135	0.0045	0.0353	0.0244	-	-	0.1070
70 mph	0.6419	0.0879	0.3321	0.1141	0.8631	0.5890	-	-	2.6281
STREX	0.7866	0.0660	0.3537	0.1101	0.0713	0.0218	0.0256	0.0001	1.4351
total	4.0231	0.4671	2.0169	0.5769	3.0983	2.1789	28.2734	81.2122	**121.8467**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0228	0.0252	0.0273	0.0297	0.0385	0.0385	0.0291	0.0089
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.7866	0.0660	0.3537	0.1101	0.0713	0.0218	0.0256	0.0001
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.7866	0.0660	0.3537	0.1101	0.0713	0.0218	0.0256	0.0001

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Project) - Mitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					2.1916	2.2071	3.3551	2.5449
10 mph	0.0074	0.0170	0.0122	0.0151	0.0169	0.0133	0.0290	0.3246
15 mph	0.0049	0.0115	0.0082	0.0101	0.0115	0.0089	0.0194	0.2152
20 mph	0.0035	0.0083	0.0058	0.0072	0.0084	0.0064	0.0138	0.1523
25 mph	0.0026	0.0062	0.0043	0.0053	0.0063	0.0047	0.0101	0.1131
30 mph	0.0020	0.0049	0.0034	0.0042	0.0050	0.0037	0.0077	0.0887
35 mph	0.0016	0.0040	0.0028	0.0034	0.0042	0.0031	0.0063	0.0735
40 mph	0.0014	0.0035	0.0024	0.0030	0.0038	0.0027	0.0055	0.0643
45 mph	0.0013	0.0032	0.0022	0.0027	0.0035	0.0025	0.0050	0.0592
50 mph	0.0012	0.0031	0.0021	0.0026	0.0034	0.0024	0.0048	0.0574
55 mph	0.0013	0.0031	0.0021	0.0027	0.0035	0.0024	0.0050	0.0587
60 mph	0.0013	0.0033	0.0022	0.0028	0.0038	0.0026	0.0053	0.0629
65 mph	0.0015	0.0036	0.0025	0.0031	0.0043	0.0030		
70 mph	0.0016	0.0043	0.0026	0.0034	0.0046	0.0029		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0235	0.1100
10 mph	0.0051	0.0222	0.0090	0.0052	0.0252	0.0253	0.0015	0.0039
15 mph	0.0026	0.0151	0.0044	0.0025	0.0130	0.0130	0.0008	0.0021
20 mph	0.0011	0.0108	0.0017	0.0010	0.0060	0.0059	0.0006	0.0013
25 mph	0.0007	0.0085	0.0011	0.0006	0.0039	0.0039	0.0004	0.0011
30 mph	0.0006	0.0071	0.0008	0.0005	0.0031	0.0030	0.0004	0.0009
35 mph	0.0004	0.0062	0.0006	0.0004	0.0026	0.0025	0.0003	0.0007
40 mph	0.0004	0.0056	0.0005	0.0003	0.0023	0.0022	0.0003	0.0006
45 mph	0.0003	0.0054	0.0005	0.0003	0.0021	0.0020	0.0002	0.0006
50 mph	0.0003	0.0054	0.0004	0.0003	0.0019	0.0018	0.0002	0.0006
55 mph	0.0003	0.0056	0.0004	0.0002	0.0019	0.0018	0.0003	0.0006
60 mph	0.0003	0.0061	0.0003	0.0002	0.0019	0.0018	0.0003	0.0007
65 mph	0.0003	0.0070	0.0003	0.0002	0.0022	0.0020		
70 mph	0.0003	0.0083	0.0004	0.0003	0.0035	0.0030		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.9532
10 mph								11.9451
15 mph								8.1202
20 mph								5.6812
25 mph								4.1725
30 mph								3.1045
35 mph								2.3139
40 mph								1.7296
45 mph								1.2992
50 mph								0.9841
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1192	0.0208	0.0741	0.0173	0.0132	0.0032	0.0165	0.0012	0.2654
15 mph	0.0177	0.0031	0.0111	0.0026	0.0020	0.0005	0.0031	0.0002	0.0403
20 mph	0.0748	0.0135	0.0471	0.0110	0.0087	0.0020	0.0067	0.0005	0.1643
25 mph	0.2297	0.0421	0.1454	0.0340	0.0274	0.0063	0.0205	0.0016	0.5069
30 mph	0.1712	0.0319	0.1088	0.0255	0.0209	0.0047	0.0126	0.0010	0.3765
35 mph	0.0817	0.0154	0.0520	0.0122	0.0102	0.0023	0.0041	0.0003	0.1782
40 mph	0.0304	0.0058	0.0194	0.0046	0.0039	0.0009	0.0031	0.0002	0.0682
45 mph	0.0186	0.0035	0.0118	0.0028	0.0024	0.0005	0.0037	0.0003	0.0436
50 mph	0.0179	0.0034	0.0114	0.0027	0.0024	0.0005	0.0043	0.0003	0.0429
55 mph	0.0318	0.0060	0.0201	0.0048	0.0043	0.0009	0.0004	0.0000	0.0683
60 mph	0.0216	0.0040	0.0136	0.0032	0.0030	0.0006	0.0017	0.0001	0.0478
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.8145	0.1494	0.5146	0.1205	0.0985	0.0223	0.0767	0.0059	1.8025

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0115	0.0021	0.0072	0.0021	0.0022	0.0005	0.0042	0.0003	0.0302
25 mph	0.0127	0.0023	0.0081	0.0024	0.0025	0.0006	0.0062	0.0005	0.0352
30 mph	0.0165	0.0031	0.0105	0.0031	0.0034	0.0008	0.0119	0.0009	0.0500
35 mph	0.0215	0.0041	0.0137	0.0040	0.0045	0.0010	0.0116	0.0009	0.0614
40 mph	0.0281	0.0053	0.0179	0.0053	0.0060	0.0013	0.0118	0.0009	0.0766
45 mph	0.0558	0.0105	0.0355	0.0104	0.0122	0.0026	0.0077	0.0006	0.1354
50 mph	0.0455	0.0086	0.0289	0.0085	0.0101	0.0021	0.0045	0.0004	0.1086
55 mph	0.0336	0.0063	0.0212	0.0063	0.0076	0.0016	0.0015	0.0001	0.0782
60 mph	0.0177	0.0033	0.0111	0.0033	0.0041	0.0009	0.1147	0.0091	0.1641
65 mph	0.0098	0.0018	0.0061	0.0018	0.0023	0.0005	-	-	0.0224
70 mph	0.2471	0.0505	0.1534	0.0472	0.0577	0.0110	-	-	0.5668
total	0.4999	0.0978	0.3136	0.0944	0.1127	0.0229	0.1740	0.0138	1.3290

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1690	0.0519	0.1231	0.0007	0.3448
15 mph	0.0339	0.0060	0.0212	0.0077	0.0044	0.0011	0.0034	0.0003	0.0780
25 mph	-	-	-	-	0.0072	0.0016	0.0077	0.0006	0.0171
35 mph	0.1722	0.0325	0.1097	0.0168	-	-	-	-	0.3312
total	0.2062	0.0385	0.1309	0.0245	0.1807	0.0546	0.1342	0.0016	0.7711

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1690	0.0519	0.1231	0.0007	0.3448
10 mph	0.1192	0.0208	0.0741	0.0173	0.0132	0.0032	0.0165	0.0012	0.2654
15 mph	0.0516	0.0091	0.0323	0.0103	0.0064	0.0015	0.0065	0.0005	0.1183
20 mph	0.0863	0.0156	0.0543	0.0131	0.0110	0.0025	0.0109	0.0008	0.1945
25 mph	0.2424	0.0445	0.1534	0.0363	0.0372	0.0085	0.0343	0.0026	0.5593
30 mph	0.1877	0.0349	0.1192	0.0285	0.0243	0.0055	0.0244	0.0019	0.4264
35 mph	0.2754	0.0519	0.1754	0.0330	0.0148	0.0033	0.0157	0.0012	0.5707
40 mph	0.0584	0.0111	0.0372	0.0098	0.0099	0.0022	0.0149	0.0012	0.1448
45 mph	0.0744	0.0140	0.0474	0.0132	0.0146	0.0031	0.0113	0.0009	0.1791
50 mph	0.0635	0.0120	0.0403	0.0112	0.0125	0.0027	0.0088	0.0007	0.1516
55 mph	0.0654	0.0123	0.0414	0.0110	0.0119	0.0025	0.0019	0.0002	0.1466
60 mph	0.0393	0.0073	0.0247	0.0065	0.0070	0.0015	0.1164	0.0093	0.2119
65 mph	0.0098	0.0018	0.0061	0.0018	0.0023	0.0005	-	-	0.0224
70 mph	0.2471	0.0505	0.1534	0.0472	0.0577	0.0110	-	-	0.5668
total	1.5206	0.2857	0.9591	0.2394	0.3919	0.0998	0.3849	0.0213	3.9026

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0008	0.0000	0.0004	0.0002	0.0155	0.0110	0.0044	0.0213	0.0536
15 mph	0.0001	0.0000	0.0000	0.0000	0.0018	0.0013	0.0007	0.0033	0.0072
20 mph	0.0002	0.0000	0.0001	0.0000	0.0049	0.0034	0.0014	0.0062	0.0163
25 mph	0.0007	0.0000	0.0003	0.0001	0.0135	0.0093	0.0046	0.0213	0.0498
30 mph	0.0005	0.0000	0.0002	0.0001	0.0102	0.0070	0.0030	0.0138	0.0348
35 mph	0.0002	0.0000	0.0001	0.0000	0.0050	0.0034	0.0010	0.0045	0.0144
40 mph	0.0001	0.0000	0.0000	0.0000	0.0019	0.0013	0.0007	0.0034	0.0075
45 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0008	0.0009	0.0041	0.0069
50 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0007	0.0011	0.0050	0.0079
55 mph	0.0001	0.0000	0.0000	0.0000	0.0018	0.0012	0.0001	0.0005	0.0037
60 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0008	0.0005	0.0023	0.0049
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0028	0.0001	0.0012	0.0005	0.0581	0.0401	0.0184	0.0857	0.2069

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0009	0.0009	0.0039	0.0070
25 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0009	0.0014	0.0064	0.0100
30 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0011	0.0028	0.0130	0.0187
35 mph	0.0001	0.0000	0.0000	0.0000	0.0022	0.0015	0.0028	0.0129	0.0195
40 mph	0.0001	0.0000	0.0000	0.0000	0.0029	0.0020	0.0028	0.0129	0.0207
45 mph	0.0001	0.0000	0.0001	0.0000	0.0057	0.0038	0.0018	0.0085	0.0201
50 mph	0.0001	0.0000	0.0000	0.0000	0.0045	0.0030	0.0011	0.0051	0.0140
55 mph	0.0001	0.0000	0.0000	0.0000	0.0032	0.0021	0.0004	0.0019	0.0077
60 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0011	0.0333	0.1539	0.1899
65 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0006	-	-	0.0016
70 mph	0.0005	0.0000	0.0002	0.0001	0.0352	0.0210	-	-	0.0570
total	0.0011	0.0001	0.0004	0.0002	0.0604	0.0380	0.0474	0.2185	0.3661

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0090	0.0063	0.0044	0.0390	0.0587
15 mph	0.0002	0.0000	0.0001	0.0000	0.0040	0.0028	0.0007	0.0036	0.0114
25 mph	-	-	-	-	0.0035	0.0024	0.0017	0.0080	0.0157
35 mph	0.0005	0.0000	0.0002	0.0001	-	-	-	-	0.0007
total	0.0007	0.0000	0.0003	0.0001	0.0165	0.0116	0.0069	0.0506	0.0866

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0090	0.0063	0.0044	0.0390	0.0587
10 mph	0.0008	0.0000	0.0004	0.0002	0.0155	0.0110	0.0044	0.0213	0.0536
15 mph	0.0003	0.0000	0.0001	0.0001	0.0058	0.0040	0.0014	0.0069	0.0187
20 mph	0.0003	0.0000	0.0001	0.0000	0.0062	0.0043	0.0023	0.0101	0.0233
25 mph	0.0007	0.0000	0.0003	0.0001	0.0183	0.0126	0.0078	0.0358	0.0755
30 mph	0.0005	0.0000	0.0002	0.0001	0.0119	0.0082	0.0058	0.0268	0.0535
35 mph	0.0008	0.0000	0.0003	0.0001	0.0072	0.0049	0.0038	0.0174	0.0346
40 mph	0.0002	0.0000	0.0001	0.0000	0.0048	0.0032	0.0035	0.0163	0.0282
45 mph	0.0002	0.0000	0.0001	0.0000	0.0068	0.0046	0.0027	0.0126	0.0270
50 mph	0.0002	0.0000	0.0001	0.0000	0.0056	0.0037	0.0022	0.0101	0.0219
55 mph	0.0001	0.0000	0.0001	0.0000	0.0050	0.0033	0.0005	0.0024	0.0114
60 mph	0.0001	0.0000	0.0000	0.0000	0.0028	0.0019	0.0338	0.1562	0.1948
65 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0006	-	-	0.0016
70 mph	0.0005	0.0000	0.0002	0.0001	0.0352	0.0210	-	-	0.0570
total	0.0046	0.0002	0.0019	0.0008	0.1350	0.0896	0.0727	0.3548	0.6597

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								3.6470	3.6470
15 mph								0.7083	0.7083
20 mph								1.4867	1.4867
25 mph								4.5496	4.5496
30 mph								2.7081	2.7081
35 mph								0.8074	0.8074
40 mph								0.5281	0.5281
45 mph								0.5100	0.5100
50 mph								0.4721	0.4721
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	15.4174	15.4174

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.9357	0.9357
25 mph								1.3744	1.3744
30 mph								2.5566	2.5566
35 mph								2.2867	2.2867
40 mph								1.9941	1.9941
45 mph								1.0699	1.0699
50 mph								0.4862	0.4862
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	7.1535	7.1535

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0385	0.0385
15 mph								0.7630	0.7630
25 mph								1.7097	1.7097
35 mph								-	-
total	-	-	-	-	-	-	-	2.5112	2.5112

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0385	0.0385
10 mph								3.6470	3.6470
15 mph								1.4714	1.4714
20 mph								2.4224	2.4224
25 mph								7.6337	7.6337
30 mph								5.2648	5.2648
35 mph								3.0941	3.0941
40 mph								2.5222	2.5222
45 mph								1.5799	1.5799
50 mph								0.9584	0.9584
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	28.6323	28.6323

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1780	0.0582	0.1275	0.0783	0.4420
10 mph	0.1200	0.0208	0.0745	0.0174	0.0288	0.0141	0.0208	3.6695	3.9659
15 mph	0.0519	0.0091	0.0324	0.0104	0.0122	0.0056	0.0080	1.4788	1.6084
20 mph	0.0865	0.0156	0.0544	0.0131	0.0171	0.0068	0.0132	2.4333	2.6403
25 mph	0.2431	0.0445	0.1537	0.0364	0.0554	0.0211	0.0421	7.6721	8.2685
30 mph	0.1882	0.0349	0.1194	0.0286	0.0361	0.0136	0.0303	5.2934	5.7447
35 mph	0.2762	0.0519	0.1757	0.0331	0.0220	0.0082	0.0195	3.1127	3.6994
40 mph	0.0586	0.0111	0.0373	0.0098	0.0147	0.0054	0.0185	2.5397	2.6952
45 mph	0.0746	0.0141	0.0474	0.0133	0.0215	0.0077	0.0141	1.5934	1.7860
50 mph	0.0636	0.0120	0.0403	0.0112	0.0181	0.0064	0.0110	0.9691	1.1318
55 mph	0.0655	0.0123	0.0414	0.0111	0.0169	0.0058	0.0024	0.0025	0.1580
60 mph	0.0394	0.0073	0.0247	0.0065	0.0098	0.0033	0.1502	0.1654	0.4067
65 mph	0.0098	0.0018	0.0061	0.0018	0.0033	0.0011	-	-	0.0240
70 mph	0.2476	0.0505	0.1535	0.0473	0.0929	0.0320	-	-	0.6238
STREX	1.3968	0.1444	0.7099	0.2397	0.0378	0.0117	0.0310	0.0000	2.5713
total	2.9221	0.4302	1.6709	0.4799	0.5647	0.2011	0.4886	29.0084	**35.7659**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0404	0.0552	0.0549	0.0647	0.0204	0.0207	0.0352	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.3968	0.1444	0.7099	0.2397	0.0378	0.0117	0.0310	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	1.3968	0.1444	0.7099	0.2397	0.0378	0.0117	0.0310	0.0000

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Project) - Mitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,468.89	5,214.53	13,277.60	22,346.84
10 mph	469.05	547.53	572.67	707.71	1,471.68	1,693.02	3,051.34	3,637.55
15 mph	383.33	447.32	467.73	577.37	1,201.85	1,381.63	2,495.55	2,985.27
20 mph	318.85	372.10	389.04	480.33	999.24	1,148.88	2,071.52	2,487.31
25 mph	272.62	318.29	332.83	411.33	854.21	982.10	1,773.08	2,128.18
30 mph	241.94	282.58	295.57	365.80	758.33	871.92	1,575.79	1,887.53
35 mph	224.37	262.17	274.28	340.14	703.42	808.91	1,461.97	1,747.33
40 mph	217.44	254.06	265.78	329.72	681.02	783.20	1,414.70	1,689.61
45 mph	218.55	255.22	266.97	331.04	683.52	786.09	1,420.88	1,691.02
50 mph	225.13	262.85	274.86	341.21	703.72	808.90	1,461.44	1,738.06
55 mph	233.91	273.09	285.65	354.82	732.65	842.13	1,519.05	1,807.02
60 mph	241.00	281.65	294.84	366.71	762.23	876.08	1,579.67	1,878.12
65 mph	246.81	289.02	302.71	377.32	785.43	902.29		
70 mph	249.71	293.57	305.32	387.47	798.31	913.22		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,633.82	5,849.92	5,979.77	5,673.79
10 mph	390.10	860.54	526.75	656.04	948.79	1,061.28	1,859.83	2,810.50
15 mph	320.94	716.13	436.94	555.47	616.76	703.44	1,463.34	2,182.14
20 mph	263.26	588.14	358.92	461.40	526.42	600.76	1,249.79	1,841.67
25 mph	220.78	491.32	300.99	390.96	466.93	535.44	1,090.73	1,571.47
30 mph	191.32	422.79	260.27	338.49	424.61	483.53	957.40	1,378.53
35 mph	173.06	379.02	234.84	308.10	425.68	484.69	854.99	1,231.75
40 mph	161.97	353.12	219.16	288.41	414.65	467.66	783.20	1,130.27
45 mph	156.46	340.90	211.32	277.45	404.63	449.72	742.14	1,072.52
50 mph	157.00	341.02	211.54	279.19	424.59	466.78	732.15	1,052.51
55 mph	164.24	356.51	221.11	294.61	443.26	482.68	753.28	1,096.47
60 mph	178.10	386.27	239.56	319.01	447.35	484.02	804.94	1,162.43
65 mph	200.37	430.54	269.01	359.35	454.73	487.02		
70 mph	218.69	448.99	286.73	393.87	467.29	500.03		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,755.56
10 mph								4,655.76
15 mph								3,906.99
20 mph								3,409.59
25 mph								3,139.99
30 mph								2,967.24
35 mph								2,830.54
40 mph								2,718.59
45 mph								2,624.68
50 mph								2,544.51
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	7,589.50	670.28	3,469.36	811.58	1,150.45	403.45	1,733.40	13.99	15,842.02
15 mph	1,378.36	121.69	629.68	147.14	208.78	73.17	405.05	3.28	2,967.14
20 mph	6,878.93	607.36	3,142.53	734.43	1,041.51	365.04	1,008.68	8.20	13,786.69
25 mph	24,506.97	2,164.67	11,201.86	2,620.58	3,709.77	1,300.22	3,597.33	29.23	49,130.64
30 mph	20,879.01	1,844.96	9,549.89	2,237.30	3,161.65	1,108.18	2,557.65	20.74	41,359.37
35 mph	11,294.80	998.48	5,169.45	1,213.52	1,710.74	599.72	949.16	7.68	21,943.56
40 mph	4,691.02	414.68	2,146.89	504.15	709.83	248.85	803.66	6.50	9,525.58
45 mph	3,143.37	277.72	1,437.67	337.44	474.96	166.51	1,037.79	8.36	6,883.83
50 mph	3,237.95	286.03	1,480.11	347.82	488.99	171.35	1,304.63	10.50	7,327.37
55 mph	5,887.42	520.03	2,691.89	632.95	890.92	312.17	123.28	0.99	11,059.66
60 mph	3,899.59	344.79	1,786.21	420.53	595.86	208.77	512.79	4.13	7,772.66
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	93,386.93	8,250.71	42,705.55	10,007.43	14,143.46	4,957.44	14,033.42	113.59	187,598.53

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	1,058.56	93.46	483.59	141.16	267.96	93.92	634.83	5.16	2,778.65
25 mph	1,357.65	119.92	620.57	181.32	343.61	120.43	1,086.75	8.83	3,839.08
30 mph	2,008.10	177.44	918.49	268.76	508.40	178.20	2,414.57	19.58	6,493.54
35 mph	2,979.60	263.40	1,363.72	399.84	754.54	264.51	2,688.19	21.75	8,735.55
40 mph	4,331.26	382.88	1,982.24	581.38	1,095.77	384.16	3,034.82	24.53	11,817.05
45 mph	9,432.49	833.38	4,314.09	1,264.69	2,382.89	835.42	2,177.20	17.54	21,257.69
50 mph	8,221.49	726.26	3,758.15	1,103.03	2,075.87	727.40	1,343.61	10.82	17,966.62
55 mph	6,212.47	548.74	2,840.51	834.19	1,571.81	550.75	465.52	3.75	13,027.74
60 mph	3,200.47	282.98	1,465.98	431.07	817.63	286.48	33,887.08	272.72	40,644.40
65 mph	1,638.77	145.19	752.53	221.77	421.26	147.52	-	-	3,327.04
70 mph	38,963.82	3,465.66	17,837.18	5,351.86	10,061.86	3,508.79	-	-	79,189.18
total	79,404.69	7,039.32	36,337.05	10,779.07	20,301.60	7,097.58	47,732.58	384.67	209,076.56

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	344.71	122.62	487.12	6.55	961.00
15 mph	2,640.51	233.12	1,206.29	439.89	465.30	163.06	436.34	3.53	5,588.04
25 mph	-	-	-	-	973.21	341.10	1,351.80	10.98	2,677.09
35 mph	23,821.44	2,105.86	10,902.70	1,667.48	-	-	-	-	38,497.48
total	26,461.96	2,338.98	12,108.99	2,107.37	1,783.23	626.77	2,275.26	21.06	47,723.62

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	344.71	122.62	487.12	6.55	961.00
10 mph	7,589.50	670.28	3,469.36	811.58	1,150.45	403.45	1,733.40	13.99	15,842.02
15 mph	4,018.87	354.81	1,835.97	587.03	674.08	236.23	841.39	6.81	8,555.19
20 mph	7,937.50	700.83	3,626.12	875.59	1,309.47	458.96	1,643.51	13.36	16,565.35
25 mph	25,864.63	2,284.59	11,822.43	2,801.90	5,026.60	1,761.75	6,035.88	49.04	55,646.81
30 mph	22,887.11	2,022.41	10,468.38	2,506.06	3,670.05	1,286.38	4,972.22	40.31	47,852.91
35 mph	38,095.85	3,367.74	17,435.87	3,280.84	2,465.29	864.23	3,637.36	29.43	69,176.60
40 mph	9,022.29	797.56	4,129.13	1,085.53	1,805.60	633.01	3,838.48	31.03	21,342.63
45 mph	12,575.86	1,111.11	5,751.75	1,602.14	2,857.85	1,001.93	3,214.99	25.90	28,141.52
50 mph	11,459.44	1,012.29	5,238.26	1,450.85	2,564.86	898.75	2,648.24	21.32	25,294.00
55 mph	12,099.89	1,068.78	5,532.41	1,467.14	2,462.73	862.92	588.80	4.74	24,087.40
60 mph	7,100.06	627.77	3,252.19	851.60	1,413.49	495.25	34,399.87	276.84	48,417.06
65 mph	1,638.77	145.19	752.53	221.77	421.26	147.52	-	-	3,327.04
70 mph	38,963.82	3,465.66	17,837.18	5,351.86	10,061.86	3,508.79	-	-	79,189.18
total	199,253.58	17,629.00	91,151.59	22,893.87	36,228.29	12,681.79	64,041.25	519.32	444,398.70

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	63.77	0.42	24.45	19.33	586.14	461.17	5,413.21	15,433.43	22,001.93
15 mph	11.66	0.08	4.51	3.64	84.67	67.93	1,216.91	3,423.68	4,813.07
20 mph	57.38	0.38	22.22	18.13	433.61	348.08	3,117.96	8,668.52	12,666.29
25 mph	200.51	1.32	77.63	64.00	1,602.53	1,292.63	11,338.13	30,819.56	45,396.30
30 mph	166.80	1.09	64.44	53.19	1,399.00	1,120.63	7,961.73	21,628.53	32,395.41
35 mph	88.02	0.57	33.92	28.24	818.14	655.26	2,844.04	7,730.22	12,198.41
40 mph	35.31	0.23	13.57	11.33	341.55	270.96	2,279.57	6,206.73	9,159.24
45 mph	22.74	0.15	8.72	7.27	222.20	173.71	2,777.23	7,572.32	10,784.33
50 mph	22.81	0.15	8.73	7.31	233.16	180.30	3,348.69	9,082.39	12,883.54
55 mph	41.77	0.27	15.97	13.50	425.96	326.27	313.21	860.16	1,997.11
60 mph	29.11	0.19	11.12	9.40	276.36	210.33	1,338.77	3,647.60	5,522.88
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	739.88	4.82	285.27	235.35	6,423.32	5,107.27	41,949.46	115,073.15	169,818.51

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	8.83	0.06	3.42	3.48	111.56	89.56	1,962.36	5,455.73	7,635.00
25 mph	11.11	0.07	4.30	4.43	148.43	119.73	3,425.24	9,310.55	13,023.85
30 mph	16.04	0.10	6.20	6.39	224.96	180.20	7,516.34	20,418.60	28,368.84
35 mph	23.22	0.15	8.95	9.31	360.85	289.01	8,054.81	21,893.35	30,639.65
40 mph	32.60	0.21	12.53	13.07	527.25	418.28	8,608.20	23,438.06	33,050.20
45 mph	68.23	0.44	26.17	27.24	1,114.78	871.52	5,826.37	15,886.04	23,820.77
50 mph	57.93	0.37	22.17	23.19	989.80	765.41	3,448.76	9,353.79	14,661.41
55 mph	44.07	0.28	16.85	17.80	751.50	575.62	1,182.77	3,248.16	5,837.06
60 mph	23.89	0.15	9.13	9.64	379.21	288.61	88,471.69	241,048.38	330,230.71
65 mph	13.44	0.09	5.12	5.43	192.73	145.20	-	-	362.01
70 mph	344.76	2.09	128.37	139.79	4,654.38	3,503.38	-	-	8,772.76
total	644.12	4.02	243.19	259.75	9,455.47	7,246.52	128,496.54	350,052.67	496,402.27

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	221.51	250.84	1,124.02	2,012.15	3,608.52
15 mph	22.34	0.15	8.64	10.87	188.70	151.39	1,310.90	3,688.13	5,381.11
25 mph	-	-	-	-	420.40	339.10	4,260.62	11,581.32	16,601.45
35 mph	185.63	1.20	71.54	38.81	-	-	-	-	297.18
total	207.97	1.35	80.17	49.68	830.61	741.33	6,695.54	17,281.60	25,888.26

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	221.51	250.84	1,124.02	2,012.15	3,608.52
10 mph	63.77	0.42	24.45	19.33	586.14	461.17	5,413.21	15,433.43	22,001.93
15 mph	33.99	0.22	13.14	14.51	273.37	219.31	2,527.81	7,111.82	10,194.18
20 mph	66.21	0.44	25.64	21.61	545.17	437.64	5,080.33	14,124.25	20,301.29
25 mph	211.62	1.39	81.93	68.43	2,171.37	1,751.46	19,023.99	51,711.42	75,021.60
30 mph	182.85	1.19	70.64	59.59	1,623.96	1,300.83	15,478.08	42,047.13	60,764.26
35 mph	296.87	1.92	114.40	76.36	1,178.99	944.27	10,898.84	29,623.58	43,135.24
40 mph	67.90	0.44	26.09	24.40	868.80	689.24	10,887.78	29,644.79	42,209.43
45 mph	90.96	0.58	34.89	34.50	1,336.97	1,045.23	8,603.60	23,458.37	34,605.10
50 mph	80.74	0.52	30.89	30.50	1,222.96	945.71	6,797.45	18,436.18	27,544.95
55 mph	85.84	0.55	32.82	31.30	1,177.47	901.89	1,495.98	4,108.32	7,834.17
60 mph	53.01	0.34	20.25	19.04	655.57	498.94	89,810.47	244,695.98	335,753.59
65 mph	13.44	0.09	5.12	5.43	192.73	145.20	-	-	362.01
70 mph	344.76	2.09	128.37	139.79	4,654.38	3,503.38	-	-	8,772.76
total	1,591.96	10.18	608.63	544.78	16,709.40	13,095.12	177,141.55	482,407.42	692,109.04

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1,421.45	1,421.45
15 mph								340.81	340.81
20 mph								892.27	892.27
25 mph								3,423.83	3,423.83
30 mph								2,588.37	2,588.37
35 mph								987.65	987.65
40 mph								830.02	830.02
45 mph								1,030.30	1,030.30
50 mph								1,220.79	1,220.79
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	12,735.49	12,735.49

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								561.57	561.57
25 mph								1,034.33	1,034.33
30 mph								2,443.58	2,443.58
35 mph								2,797.20	2,797.20
40 mph								3,134.33	3,134.33
45 mph								2,161.47	2,161.47
50 mph								1,257.27	1,257.27
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	6,836.68	6,836.68

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								113.48	113.48
15 mph								367.14	367.14
25 mph								1,286.60	1,286.60
35 mph								-	-
total	-	-	-	-	-	-	-	1,767.22	1,767.22

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								113.48	113.48
10 mph								1,421.45	1,421.45
15 mph								707.95	707.95
20 mph								1,453.84	1,453.84
25 mph								5,744.76	5,744.76
30 mph								5,031.95	5,031.95
35 mph								3,784.85	3,784.85
40 mph								3,964.35	3,964.35
45 mph								3,191.77	3,191.77
50 mph								2,478.06	2,478.06
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	27,892.47	27,892.47

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	566.23	373.45	1,611.14	2,132.19	4,683.01
10 mph	7,653.27	670.69	3,493.81	830.91	1,736.59	864.63	7,146.61	16,868.87	39,265.39
15 mph	4,052.86	355.04	1,849.11	601.54	947.45	455.54	3,369.19	7,826.58	19,457.32
20 mph	8,003.71	701.26	3,651.76	897.20	1,854.65	896.60	6,723.84	15,591.45	38,320.47
25 mph	26,076.24	2,285.98	11,904.36	2,870.33	7,197.96	3,513.20	25,059.87	57,505.22	136,413.18
30 mph	23,069.96	2,023.60	10,539.02	2,565.64	5,294.01	2,587.20	20,450.29	47,119.39	113,649.12
35 mph	38,392.72	3,369.66	17,550.27	3,357.20	3,644.28	1,808.51	14,536.20	33,437.86	116,096.69
40 mph	9,090.19	798.00	4,155.22	1,109.93	2,674.40	1,322.25	14,726.25	33,640.16	67,516.41
45 mph	12,666.82	1,111.69	5,786.64	1,636.64	4,194.82	2,047.16	11,818.59	26,676.03	65,938.39
50 mph	11,540.18	1,012.80	5,269.16	1,481.35	3,787.81	1,844.46	9,445.69	20,935.56	55,317.01
55 mph	12,185.72	1,069.33	5,565.22	1,498.44	3,640.20	1,764.81	2,084.78	4,113.06	31,921.57
60 mph	7,153.07	628.11	3,272.44	870.63	2,069.06	994.19	124,210.34	244,972.82	384,170.65
65 mph	1,652.21	145.27	757.66	227.20	613.99	292.72	-	-	3,689.06
70 mph	39,308.58	3,467.75	17,965.55	5,491.65	14,716.24	7,012.17	-	-	87,961.94
STREX	1,738.08	154.31	813.44	288.86	33.98	11.79	32.18	0.27	3,072.92
total	202,583.62	17,793.49	92,573.67	23,727.51	52,971.68	25,788.70	241,214.99	510,819.47	**1,167,473.13**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	50.28	59.01	62.85	78.00	18.35	20.89	36.56	45.28
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1,738.08	154.31	813.44	288.86	33.98	11.79	32.18	0.27
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	1,738.08	154.31	813.44	288.86	33.98	11.79	32.18	0.27

World Logistics Center
Mobile Emissions - 2026 (Net) - Mitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
26.10	841.02	359.72	5.51	7.32	97.98	62.56	167.87	6.99	24.05	24.41	55.45	5.35	76.59	22.70	592,512.87

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
4.76	153.49	65.65	1.01	1.34	17.88	11.42	30.64	1.28	4.39	4.45	10.12	0.98	13.98	4.14	108,133.60

World Logistics Center
Mobile Emissions - 2026 (Net) - Mitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	1,045.46	10.83	35.35	11,898.41	123.31	402.28
LDT1	79.22	0.03	1.30	901.59	0.31	14.75
LDT2	391.71	3.14	8.22	4,458.08	35.77	93.54
MDT	1,543.31	41.63	31.14	23,619.23	637.16	476.60
LHDT1	536.21	442.44	-	11,966.49	9,873.78	-
LHDT2	162.37	308.14	-	3,623.66	6,876.69	-
MHDT	256.16	1,352.34	-	11,186.12	59,053.63	-
HHDT	1.74	2,535.33	145.04	75.81	110,712.00	6,333.39

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	8,417.53	87.24	284.59	3,480.88	36.07	117.69
LDT1	637.83	0.22	10.44	263.76	0.09	4.32
LDT2	3,153.86	25.30	66.17	1,304.21	10.46	27.36
MDT	12,673.65	341.89	255.74	10,945.58	295.27	220.87
LHDT1	5,774.85	4,764.94	-	6,191.64	5,108.84	-
LHDT2	1,748.73	3,318.59	-	1,874.94	3,558.10	-
MHDT	2,428.86	12,822.40	-	8,757.26	46,231.23	-
HHDT	16.46	24,039.05	1,375.18	59.35	86,672.95	4,958.22

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	420.88	31.89	157.69	633.68	288.74	87.44	145.73	0.99	1,767.04
15 mph	168.35	12.76	63.08	253.47	115.50	34.97	48.58	0.33	697.04
20 mph	336.70	25.51	126.15	506.95	230.99	69.95	97.15	0.66	1,394.07
25 mph	1,683.51	127.57	630.77	2,534.73	1,154.97	349.75	534.35	3.62	7,019.26
30 mph	1,851.86	140.32	693.85	2,788.20	1,270.47	384.72	485.77	3.29	7,618.48
35 mph	1,515.16	114.81	567.70	2,281.26	1,039.47	314.77	218.60	1.48	6,053.24
40 mph	505.05	38.27	189.23	760.42	346.49	104.92	242.89	1.65	2,188.92
45 mph	420.88	31.89	157.69	633.68	288.74	87.44	194.31	1.32	1,815.95
50 mph	420.88	31.89	157.69	633.68	288.74	87.44	315.75	2.14	1,938.21
55 mph	336.70	25.51	126.15	506.95	230.99	69.95	72.87	0.49	1,369.62
60 mph	673.40	51.03	252.31	1,013.89	461.99	139.90	72.87	0.49	2,665.88
65 mph	84.18	6.38	31.54	126.74	57.75	17.49	-	-	324.06
70 mph	-	-	-	-	-	-	-	-	-
total	8,417.53	637.83	3,153.86	12,673.65	5,774.85	1,748.73	2,428.86	16.46	34,851.78

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	34.81	2.64	13.04	109.46	61.92	18.75	-	-	240.61
15 mph	34.81	2.64	13.04	109.46	61.92	18.75	-	-	240.61
20 mph	34.81	2.64	13.04	109.46	61.92	18.75	175.15	1.19	416.94
25 mph	69.62	5.28	26.08	218.91	123.83	37.50	306.50	2.08	789.80
30 mph	139.24	10.55	52.17	437.82	247.67	75.00	525.44	3.56	1,491.44
35 mph	313.28	23.74	117.38	985.10	557.25	168.74	525.44	3.56	2,694.49
40 mph	348.09	26.38	130.42	1,094.56	619.16	187.49	481.65	3.26	2,891.02
45 mph	278.47	21.10	104.34	875.65	495.33	149.99	350.29	2.37	2,277.55
50 mph	313.28	23.74	117.38	985.10	557.25	168.74	175.15	1.19	2,341.82
55 mph	174.04	13.19	65.21	547.28	309.58	93.75	87.57	0.59	1,291.22
60 mph	104.43	7.91	39.13	328.37	185.75	56.25	6,130.08	41.54	6,893.46
65 mph	34.81	2.64	13.04	109.46	61.92	18.75	-	-	240.61
70 mph	1,601.21	121.33	599.94	5,034.97	2,848.15	862.47	-	-	11,068.07
total	3,480.88	263.76	1,304.21	10,945.58	6,191.64	1,874.94	8,757.26	59.35	32,877.63

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	36.91	11.18	17.00	0.17	65.25
15 mph	3,337.91	252.93	1,250.64	369.36	185.31	56.12	82.86	0.56	5,535.68
25 mph	-	-	-	-	351.94	106.57	362.57	2.46	823.55
35 mph	14,361.78	1,088.26	5,381.05	1,460.36	-	-	-	-	22,291.45
total	17,699.69	1,341.18	6,631.69	1,829.72	537.25	162.69	445.43	3.02	28,650.67

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	36.91	11.18	17.00	0.17	65.25
10 mph	455.69	34.53	170.74	743.14	350.66	106.19	145.73	0.99	2,007.65
15 mph	3,541.07	268.32	1,326.76	732.29	362.72	109.84	131.43	0.89	6,473.32
20 mph	371.51	28.15	139.20	616.40	292.91	88.70	272.30	1.85	1,811.01
25 mph	1,753.12	132.84	656.86	2,753.64	1,630.75	493.82	1,203.43	8.16	8,632.61
30 mph	1,991.09	150.87	746.02	3,226.03	1,518.13	459.72	1,011.21	6.85	9,109.92
35 mph	16,190.22	1,226.80	6,066.12	4,726.72	1,596.72	483.51	744.03	5.04	31,039.18
40 mph	853.14	64.65	319.65	1,854.98	965.66	292.42	724.54	4.91	5,079.93
45 mph	699.35	52.99	262.03	1,509.33	784.07	237.43	544.60	3.69	4,093.49
50 mph	734.16	55.63	275.07	1,618.79	845.99	256.18	490.90	3.33	4,280.04
55 mph	510.75	38.70	191.37	1,054.23	540.58	163.70	160.44	1.09	2,660.83
60 mph	777.83	58.94	291.44	1,342.26	647.74	196.15	6,202.95	42.04	9,559.34
65 mph	118.98	9.02	44.58	236.19	119.66	36.24	-	-	564.67
70 mph	1,601.21	121.33	599.94	5,034.97	2,848.15	862.47	-	-	11,068.07
total	29,598.11	2,242.78	11,089.76	25,448.95	12,503.74	3,786.35	11,631.55	78.83	96,380.08

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	4.36	0.01	1.27	17.09	238.25	165.93	769.34	1,442.34	2,638.60
15 mph	1.74	0.00	0.51	6.84	95.30	66.37	256.45	480.78	907.99
20 mph	3.49	0.01	1.01	13.68	190.60	132.74	512.90	961.56	1,815.98
25 mph	17.45	0.04	5.06	68.38	952.99	663.72	2,820.93	5,288.59	9,817.15
30 mph	19.19	0.05	5.57	75.21	1,048.29	730.09	2,564.48	4,807.81	9,250.69
35 mph	15.70	0.04	4.55	61.54	857.69	597.35	1,154.02	2,163.51	4,854.40
40 mph	5.23	0.01	1.52	20.51	285.90	199.12	1,282.24	2,403.91	4,198.43
45 mph	4.36	0.01	1.27	17.09	238.25	165.93	1,025.79	1,923.12	3,375.82
50 mph	4.36	0.01	1.27	17.09	238.25	165.93	1,666.91	3,125.08	5,218.90
55 mph	3.49	0.01	1.01	13.68	190.60	132.74	384.67	721.17	1,447.37
60 mph	6.98	0.02	2.02	27.35	381.20	265.49	384.67	721.17	1,788.90
65 mph	0.87	0.00	0.25	3.42	47.65	33.19	-	-	85.38
70 mph	-	-	-	-	-	-	-	-	-
total	87.24	0.22	25.30	341.89	4,764.94	3,318.59	12,822.40	24,039.05	45,399.62

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.36	0.00	0.10	2.95	51.09	35.58	-	-	90.09
15 mph	0.36	0.00	0.10	2.95	51.09	35.58	-	-	90.09
20 mph	0.36	0.00	0.10	2.95	51.09	35.58	924.62	1,733.46	2,748.17
25 mph	0.72	0.00	0.21	5.91	102.18	71.16	1,618.09	3,033.55	4,831.82
30 mph	1.44	0.00	0.42	11.81	204.35	142.32	2,773.87	5,200.38	8,334.60
35 mph	3.25	0.01	0.94	26.57	459.80	320.23	2,773.87	5,200.38	8,785.05
40 mph	3.61	0.01	1.05	29.53	510.88	355.81	2,542.72	4,767.01	8,210.61
45 mph	2.89	0.01	0.84	23.62	408.71	284.65	1,849.25	3,466.92	6,036.87
50 mph	3.25	0.01	0.94	26.57	459.80	320.23	924.62	1,733.46	3,468.88
55 mph	1.80	0.00	0.52	14.76	255.44	177.91	462.31	866.73	1,779.48
60 mph	1.08	0.00	0.31	8.86	153.27	106.74	32,361.86	60,671.07	93,303.19
65 mph	0.36	0.00	0.10	2.95	51.09	35.58	-	-	90.09
70 mph	16.59	0.04	4.81	135.82	2,350.07	1,636.73	-	-	4,144.07
total	36.07	0.09	10.46	295.27	5,108.84	3,558.10	46,231.23	86,672.95	141,913.02

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	30.45	21.21	89.73	168.22	309.62
15 mph	34.59	0.09	10.03	9.96	152.90	106.49	437.41	820.05	1,571.53
25 mph	-	-	-	-	290.39	202.25	1,914.10	3,588.49	5,995.23
35 mph	148.84	0.37	43.17	39.39	-	-	-	-	231.77
total	183.43	0.45	53.21	49.36	443.30	308.74	2,351.51	4,408.54	7,798.53

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	30.45	21.21	89.73	168.22	309.62
10 mph	4.72	0.01	1.37	20.05	289.34	201.51	769.34	1,442.34	2,728.68
15 mph	36.70	0.09	10.64	19.75	299.29	208.44	693.86	1,300.83	2,569.61
20 mph	3.85	0.01	1.12	16.63	241.69	168.32	1,437.52	2,695.02	4,564.16
25 mph	18.17	0.05	5.27	74.28	1,345.56	937.13	6,353.12	11,910.63	20,644.20
30 mph	20.63	0.05	5.99	87.03	1,252.64	872.41	5,338.35	10,008.19	17,585.29
35 mph	167.79	0.42	48.67	127.51	1,317.48	917.58	3,927.89	7,363.89	13,871.22
40 mph	8.84	0.02	2.56	50.04	796.78	554.93	3,824.96	7,170.92	12,409.05
45 mph	7.25	0.02	2.10	40.72	646.95	450.58	2,875.04	5,390.04	9,412.70
50 mph	7.61	0.02	2.21	43.67	698.04	486.16	2,591.54	4,858.54	8,687.78
55 mph	5.29	0.01	1.54	28.44	446.04	310.65	846.98	1,587.90	3,226.85
60 mph	8.06	0.02	2.34	36.21	534.46	372.23	32,746.53	61,392.24	95,092.09
65 mph	1.23	0.00	0.36	6.37	98.74	68.77	-	-	175.47
70 mph	16.59	0.04	4.81	135.82	2,350.07	1,636.73	-	-	4,144.07
total	306.74	0.76	88.97	686.51	10,317.08	7,185.43	61,405.13	115,120.54	195,111.17

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	14.23	0.52	3.31	12.79	-	-	-	82.51	113.36
15 mph	5.69	0.21	1.32	5.11	-	-	-	27.50	39.84
20 mph	11.38	0.42	2.65	10.23	-	-	-	55.01	79.68
25 mph	56.92	2.09	13.23	51.15	-	-	-	302.54	425.93
30 mph	62.61	2.30	14.56	56.26	-	-	-	275.04	410.76
35 mph	51.23	1.88	11.91	46.03	-	-	-	123.77	234.82
40 mph	17.08	0.63	3.97	15.34	-	-	-	137.52	174.53
45 mph	14.23	0.52	3.31	12.79	-	-	-	110.01	140.86
50 mph	14.23	0.52	3.31	12.79	-	-	-	178.77	209.62
55 mph	11.38	0.42	2.65	10.23	-	-	-	41.26	65.93
60 mph	22.77	0.83	5.29	20.46	-	-	-	41.26	90.61
65 mph	2.85	0.10	0.66	2.56	-	-	-	-	6.17
70 mph	-	-	-	-	-	-	-	-	-
total	284.59	10.44	66.17	255.74	-	-	-	1,375.18	1,992.12

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	1.18	0.04	0.27	2.21	-	-	-	-	3.70
15 mph	1.18	0.04	0.27	2.21	-	-	-	-	3.70
20 mph	1.18	0.04	0.27	2.21	-	-	-	99.16	102.87
25 mph	2.35	0.09	0.55	4.42	-	-	-	173.54	180.94
30 mph	4.71	0.17	1.09	8.83	-	-	-	297.49	312.30
35 mph	10.59	0.39	2.46	19.88	-	-	-	297.49	330.81
40 mph	11.77	0.43	2.74	22.09	-	-	-	272.70	309.73
45 mph	9.42	0.35	2.19	17.67	-	-	-	198.33	227.95
50 mph	10.59	0.39	2.46	19.88	-	-	-	99.16	132.49
55 mph	5.88	0.22	1.37	11.04	-	-	-	49.58	68.09
60 mph	3.53	0.13	0.82	6.63	-	-	-	3,470.75	3,481.86
65 mph	1.18	0.04	0.27	2.21	-	-	-	-	3.70
70 mph	54.14	1.99	12.59	101.60	-	-	-	-	170.31
total	117.69	4.32	27.36	220.87	-	-	-	4,958.22	5,328.45

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	9.62	9.62
15 mph	112.85	4.14	26.24	7.45	-	-	-	46.91	197.60
25 mph	-	-	-	-	-	-	-	205.28	205.28
35 mph	485.57	17.80	112.90	29.47	-	-	-	-	645.74
total	598.42	21.94	139.14	36.92	-	-	-	252.19	1,048.62

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	9.62	9.62
10 mph	15.41	0.56	3.58	15.00	-	-	-	82.51	117.06
15 mph	119.72	4.39	27.84	14.78	-	-	-	74.42	241.14
20 mph	12.56	0.46	2.92	12.44	-	-	-	154.17	182.55
25 mph	59.27	2.17	13.78	55.56	-	-	-	681.36	812.15
30 mph	67.32	2.47	15.65	65.10	-	-	-	572.53	723.06
35 mph	547.39	20.07	127.28	95.38	-	-	-	421.26	1,211.37
40 mph	28.84	1.06	6.71	37.43	-	-	-	410.22	484.26
45 mph	23.64	0.87	5.50	30.46	-	-	-	308.34	368.81
50 mph	24.82	0.91	5.77	32.66	-	-	-	277.94	342.11
55 mph	17.27	0.63	4.02	21.27	-	-	-	90.84	134.03
60 mph	26.30	0.96	6.11	27.08	-	-	-	3,512.01	3,572.47
65 mph	4.02	0.15	0.94	4.77	-	-	-	-	9.87
70 mph	54.14	1.99	12.59	101.60	-	-	-	-	170.31
total	821.67	30.13	191.05	258.25	-	-	-	1,986.25	8,369.19

World Logistics Center
Mobile Emissions - 2026 (Net) - Mitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	16430	330	0.21	3450.4	3304.4	34.2	111.7
	LDT1	15	1212	330	0.21	254.6	250.4	0.1	4.1
	LDT2	15	6067	330	0.21	1274.0	1238.1	9.9	26.0
	MDT	15	1828	330	0.21	383.8	366.6	9.9	7.4
	LHDT1	15	1606	330	0.21	337.2	184.8	152.5	0.0
	LHDT2	15	772	330	0.21	162.1	56.0	106.2	0.0
	MHDT	15	2459	330	0.21	516.3	82.2	434.1	0.0
	HHDT	15	4100	330	0.21	860.9	0.6	813.8	46.6
Travel at Light Logistics	LDA	15	118	175	0.11	13.0	12.4	0.1	0.4
	LDT1	15	9	175	0.11	1.0	0.9	0.0	0.0
	LDT2	15	44	175	0.11	4.8	4.7	0.0	0.1
	MDT	15	11	175	0.11	1.2	1.2	0.0	0.0
	LHDT1	15	6	175	0.11	0.7	0.4	0.3	0.0
	LHDT2	15	3	175	0.11	0.3	0.1	0.2	0.0
	MHDT	15	8	175	0.11	0.9	0.1	0.7	0.0
	HHDT	15	13	175	0.11	1.5	0.0	1.4	0.1
Travel at Utility	LDA	15	134	100	0.06	8.0	7.7	0.1	0.3
	LDT1	15	10	100	0.06	0.6	0.6	0.0	0.0
	LDT2	15	49	100	0.06	3.0	2.9	0.0	0.1
	MDT	15	29	100	0.06	1.7	1.6	0.0	0.0
	LHDT1	15	4	100	0.06	0.3	0.1	0.1	0.0
	LHDT2	15	2	100	0.06	0.1	0.0	0.1	0.0
	MHDT	15	8	100	0.06	0.5	0.1	0.4	0.0
	HHDT	15	14	100	0.06	0.8	0.0	0.8	0.0
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	87	50	0.03	2.6	0.4	2.2	0.0
	HHDT	15	145	50	0.03	4.3	0.0	4.1	0.2
Travel at Convenience Store	LDA	15	408	50	0.03	12.2	11.7	0.1	0.4
	LDT1	15	30	50	0.03	0.9	0.9	0.0	0.0
	LDT2	15	151	50	0.03	4.5	4.4	0.0	0.1
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	58	50	0.03	1.7	1.7	0.0	0.1
	LDT1	15	4	50	0.03	0.1	0.1	0.0	0.0
	LDT2	15	21	50	0.03	0.6	0.6	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	3337.9	252.9	1250.6	369.4	185.3	56.1	82.9	0.6
Diesel	34.6	0.1	10.0	10.0	152.9	106.5	437.4	820.0
Electric/Natural Gas (HHDT Only)	112.9	4.1	26.2	7.5	0.0	0.0	0.0	46.9

World Logistics Center
Mobile Emissions - 2026 (Net) - Mitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	803	440	363	0	2199.8	1815.1	0.0
	LHDT2	5	386	133	253	0	666.1	1264.1	0.0
	MHDT	5	1229	196	1034	0	978.8	5167.5	0.0
	HHDT	5	2050	1	1938	111	6.6	9687.9	554.2
Travel at Light Logistics	LHDT1	5	3	2	1	0	8.8	7.3	0.0
	LHDT2	5	2	1	1	0	2.7	5.1	0.0
	MHDT	5	4	1	3	0	3.2	16.7	0.0
	HHDT	5	7	0	6	0	0.0	31.3	1.8
Travel at Utility	LHDT1	5	2	1	1	0	5.9	4.9	0.0
	LHDT2	5	1	0	1	0	1.8	3.4	0.0
	MHDT	5	4	1	3	0	3.3	17.4	0.0
	HHDT	5	7	0	7	0	0.0	32.6	1.9
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	43	7	36	0	34.5	182.2	0.0
	HHDT	5	72	0	68	4	0.2	341.6	19.5
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	36.9	11.2	17.0	0.2
Diesel	30.5	21.2	89.7	168.2
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	9.6

World Logistics Center
Mobile Emissions - 2026 (Net) - Mitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					16.1996	16.3428	27.0405	11.7648
10 mph	0.0251	0.0671	0.0453	0.0568	0.0707	0.0515	0.1248	1.5111
15 mph	0.0168	0.0457	0.0305	0.0383	0.0483	0.0348	0.0838	1.0012
20 mph	0.0119	0.0329	0.0217	0.0272	0.0355	0.0250	0.0596	0.7108
25 mph	0.0087	0.0247	0.0161	0.0202	0.0269	0.0186	0.0436	0.5278
30 mph	0.0068	0.0194	0.0125	0.0158	0.0214	0.0145	0.0335	0.4144
35 mph	0.0055	0.0161	0.0102	0.0130	0.0181	0.0120	0.0273	0.3441
40 mph	0.0048	0.0140	0.0089	0.0113	0.0161	0.0106	0.0238	0.3014
45 mph	0.0044	0.0128	0.0082	0.0103	0.0151	0.0098	0.0217	0.2776
50 mph	0.0042	0.0124	0.0078	0.0100	0.0148	0.0095	0.0210	0.2690
55 mph	0.0043	0.0124	0.0079	0.0101	0.0154	0.0097	0.0216	0.2755
60 mph	0.0045	0.0129	0.0083	0.0106	0.0165	0.0104	0.0232	0.2947
65 mph	0.0050	0.0141	0.0090	0.0117	0.0189	0.0118		
70 mph	0.0052	0.0167	0.0094	0.0126	0.0196	0.0111		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5054	2.3680
10 mph	0.1047	0.4502	0.1934	0.1076	0.5435	0.5454	0.0324	0.0833
15 mph	0.0533	0.3034	0.0950	0.0532	0.2794	0.2795	0.0180	0.0456
20 mph	0.0231	0.2143	0.0375	0.0217	0.1265	0.1252	0.0122	0.0282
25 mph	0.0148	0.1675	0.0227	0.0135	0.0829	0.0816	0.0096	0.0233
30 mph	0.0113	0.1393	0.0172	0.0103	0.0655	0.0641	0.0078	0.0189
35 mph	0.0092	0.1217	0.0137	0.0084	0.0549	0.0534	0.0064	0.0156
40 mph	0.0078	0.1108	0.0114	0.0070	0.0479	0.0462	0.0055	0.0134
45 mph	0.0068	0.1052	0.0097	0.0061	0.0430	0.0413	0.0051	0.0123
50 mph	0.0062	0.1050	0.0085	0.0054	0.0405	0.0386	0.0051	0.0123
55 mph	0.0058	0.1097	0.0075	0.0049	0.0387	0.0369	0.0056	0.0137
60 mph	0.0058	0.1194	0.0072	0.0048	0.0394	0.0373	0.0065	0.0191
65 mph	0.0061	0.1371	0.0073	0.0050	0.0450	0.0421		
70 mph	0.0062	0.1610	0.0075	0.0055	0.0718	0.0615		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0733
10 mph								0.6151
15 mph								0.3849
20 mph								0.2466
25 mph								0.1822
30 mph								0.1392
35 mph								0.1069
40 mph								0.0828
45 mph								0.0651
50 mph								0.0523
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0233	0.0047	0.0157	0.0793	0.0450	0.0099	0.0401	0.0033	0.2214
15 mph	0.0063	0.0013	0.0042	0.0214	0.0123	0.0027	0.0090	0.0007	0.0579
20 mph	0.0088	0.0019	0.0060	0.0305	0.0181	0.0038	0.0128	0.0010	0.0829
25 mph	0.0324	0.0069	0.0224	0.1131	0.0685	0.0143	0.0514	0.0042	0.3132
30 mph	0.0276	0.0060	0.0192	0.0971	0.0600	0.0123	0.0359	0.0030	0.2610
35 mph	0.0184	0.0041	0.0128	0.0651	0.0414	0.0083	0.0131	0.0011	0.1645
40 mph	0.0053	0.0012	0.0037	0.0189	0.0123	0.0024	0.0128	0.0011	0.0577
45 mph	0.0041	0.0009	0.0028	0.0145	0.0096	0.0019	0.0093	0.0008	0.0439
50 mph	0.0039	0.0009	0.0027	0.0139	0.0094	0.0018	0.0146	0.0013	0.0486
55 mph	0.0032	0.0007	0.0022	0.0113	0.0078	0.0015	0.0035	0.0003	0.0305
60 mph	0.0067	0.0015	0.0046	0.0237	0.0168	0.0032	0.0037	0.0003	0.0605
65 mph	0.0009	0.0002	0.0006	0.0033	0.0024	0.0005	-	-	0.0079
70 mph	-	-	-	-	-	-	-	-	-
total	0.1409	0.0302	0.0971	0.4920	0.3037	0.0628	0.2061	0.0172	1.3499

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0019	0.0004	0.0013	0.0137	0.0096	0.0021	-	-	0.0291
15 mph	0.0013	0.0003	0.0009	0.0092	0.0066	0.0014	-	-	0.0197
20 mph	0.0009	0.0002	0.0006	0.0066	0.0048	0.0010	0.0230	0.0019	0.0391
25 mph	0.0013	0.0003	0.0009	0.0098	0.0073	0.0015	0.0295	0.0024	0.0531
30 mph	0.0021	0.0005	0.0014	0.0152	0.0117	0.0024	0.0388	0.0033	0.0754
35 mph	0.0038	0.0008	0.0027	0.0281	0.0222	0.0045	0.0316	0.0027	0.0964
40 mph	0.0037	0.0008	0.0026	0.0272	0.0220	0.0044	0.0253	0.0022	0.0881
45 mph	0.0027	0.0006	0.0019	0.0200	0.0165	0.0032	0.0167	0.0015	0.0631
50 mph	0.0029	0.0006	0.0020	0.0217	0.0182	0.0035	0.0081	0.0007	0.0578
55 mph	0.0016	0.0004	0.0011	0.0122	0.0105	0.0020	0.0042	0.0004	0.0324
60 mph	0.0010	0.0002	0.0007	0.0077	0.0068	0.0013	0.3133	0.0270	0.3580
65 mph	0.0004	0.0001	0.0003	0.0028	0.0026	0.0005	-	-	0.0066
70 mph	0.0184	0.0045	0.0125	0.1403	0.1229	0.0211	-	-	0.3196
total	0.0421	0.0096	0.0289	0.3144	0.2618	0.0490	0.4905	0.0419	1.2383

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.3184	0.4028	1.0134	0.0043	2.7389
15 mph	0.1240	0.0255	0.0842	0.0312	0.0197	0.0043	0.0153	0.0012	0.3055
25 mph	-	-	-	-	0.0209	0.0044	0.0349	0.0029	0.0630
35 mph	0.1745	0.0386	0.1215	0.0417	-	-	-	-	0.3763
total	0.2985	0.0641	0.2057	0.0729	1.3590	0.4114	1.0636	0.0084	3.4837

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.3184	0.4028	1.0134	0.0043	2.7389
10 mph	0.0252	0.0051	0.0170	0.0930	0.0546	0.0121	0.0401	0.0033	0.2505
15 mph	0.1316	0.0270	0.0894	0.0619	0.0386	0.0084	0.0243	0.0020	0.3832
20 mph	0.0097	0.0020	0.0067	0.0370	0.0229	0.0049	0.0358	0.0029	0.1219
25 mph	0.0338	0.0072	0.0233	0.1228	0.0967	0.0202	0.1158	0.0095	0.4293
30 mph	0.0297	0.0065	0.0206	0.1123	0.0717	0.0147	0.0747	0.0063	0.3364
35 mph	0.1967	0.0435	0.1370	0.1350	0.0636	0.0128	0.0447	0.0038	0.6371
40 mph	0.0090	0.0020	0.0063	0.0461	0.0344	0.0068	0.0381	0.0033	0.1459
45 mph	0.0068	0.0015	0.0047	0.0344	0.0261	0.0051	0.0260	0.0023	0.1070
50 mph	0.0068	0.0015	0.0047	0.0356	0.0276	0.0053	0.0227	0.0020	0.1063
55 mph	0.0048	0.0011	0.0033	0.0235	0.0183	0.0035	0.0076	0.0007	0.0628
60 mph	0.0077	0.0017	0.0053	0.0314	0.0236	0.0045	0.3171	0.0273	0.4185
65 mph	0.0013	0.0003	0.0009	0.0061	0.0050	0.0009	-	-	0.0145
70 mph	0.0184	0.0045	0.0125	0.1403	0.1229	0.0211	-	-	0.3196
total	0.4815	0.1039	0.3317	0.8793	1.9245	0.5232	1.7602	0.0676	6.0719

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0010	0.0000	0.0005	0.0041	0.2855	0.1996	0.0550	0.2648	0.8105
15 mph	0.0002	0.0000	0.0001	0.0008	0.0587	0.0409	0.0102	0.0483	0.1592
20 mph	0.0002	0.0000	0.0001	0.0007	0.0532	0.0367	0.0139	0.0598	0.1644
25 mph	0.0006	0.0000	0.0003	0.0020	0.1742	0.1194	0.0598	0.2722	0.6286
30 mph	0.0005	0.0000	0.0002	0.0017	0.1513	0.1032	0.0440	0.2000	0.5010
35 mph	0.0003	0.0000	0.0001	0.0011	0.1039	0.0703	0.0163	0.0742	0.2663
40 mph	0.0001	0.0000	0.0000	0.0003	0.0302	0.0203	0.0156	0.0709	0.1374
45 mph	0.0001	0.0000	0.0000	0.0002	0.0226	0.0151	0.0114	0.0523	0.1018
50 mph	0.0001	0.0000	0.0000	0.0002	0.0213	0.0141	0.0187	0.0850	0.1394
55 mph	0.0000	0.0000	0.0000	0.0001	0.0163	0.0108	0.0047	0.0218	0.0538
60 mph	0.0001	0.0000	0.0000	0.0003	0.0331	0.0218	0.0055	0.0303	0.0912
65 mph	0.0000	0.0000	0.0000	0.0000	0.0047	0.0031	-	-	0.0079
70 mph	-	-	-	-	-	-	-	-	-
total	0.0031	0.0001	0.0015	0.0116	0.9550	0.6553	0.2551	1.1798	3.0615

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0007	0.0612	0.0428	-	-	0.1048
15 mph	0.0000	0.0000	0.0000	0.0003	0.0315	0.0219	-	-	0.0538
20 mph	0.0000	0.0000	0.0000	0.0001	0.0143	0.0098	0.0250	0.1079	0.1571
25 mph	0.0000	0.0000	0.0000	0.0002	0.0187	0.0128	0.0343	0.1561	0.2221
30 mph	0.0000	0.0000	0.0000	0.0003	0.0295	0.0201	0.0476	0.2164	0.3139
35 mph	0.0001	0.0000	0.0000	0.0005	0.0557	0.0377	0.0392	0.1783	0.3115
40 mph	0.0001	0.0000	0.0000	0.0005	0.0539	0.0362	0.0308	0.1407	0.2622
45 mph	0.0000	0.0000	0.0000	0.0003	0.0388	0.0259	0.0206	0.0943	0.1800
50 mph	0.0000	0.0000	0.0000	0.0003	0.0410	0.0272	0.0104	0.0472	0.1262
55 mph	0.0000	0.0000	0.0000	0.0002	0.0218	0.0145	0.0057	0.0262	0.0684
60 mph	0.0000	0.0000	0.0000	0.0001	0.0133	0.0088	0.4668	2.5518	3.0408
65 mph	0.0000	0.0000	0.0000	0.0000	0.0051	0.0033	-	-	0.0084
70 mph	0.0002	0.0000	0.0001	0.0016	0.3722	0.2219	-	-	0.5960
total	0.0007	0.0000	0.0003	0.0051	0.7570	0.4830	0.6804	3.5188	5.4454

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2131	0.1484	0.1000	0.8784	1.3398
15 mph	0.0041	0.0001	0.0021	0.0012	0.0942	0.0656	0.0174	0.0824	0.2670
25 mph	-	-	-	-	0.0531	0.0364	0.0406	0.1847	0.3148
35 mph	0.0030	0.0001	0.0013	0.0007	-	-	-	-	0.0051
total	0.0071	0.0002	0.0034	0.0019	0.3604	0.2504	0.1580	1.1455	1.9268

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2131	0.1484	0.1000	0.8784	1.3398
10 mph	0.0011	0.0000	0.0006	0.0048	0.3467	0.2424	0.0550	0.2648	0.9153
15 mph	0.0043	0.0001	0.0022	0.0023	0.1844	0.1285	0.0276	0.1308	0.4801
20 mph	0.0002	0.0000	0.0001	0.0008	0.0674	0.0465	0.0388	0.1677	0.3215
25 mph	0.0006	0.0000	0.0003	0.0022	0.2460	0.1686	0.1347	0.6130	1.1655
30 mph	0.0005	0.0000	0.0002	0.0020	0.1808	0.1233	0.0916	0.4164	0.8149
35 mph	0.0034	0.0001	0.0015	0.0024	0.1596	0.1080	0.0555	0.2525	0.5829
40 mph	0.0002	0.0000	0.0001	0.0008	0.0841	0.0565	0.0464	0.2116	0.3996
45 mph	0.0001	0.0000	0.0000	0.0005	0.0614	0.0411	0.0321	0.1466	0.2818
50 mph	0.0001	0.0000	0.0000	0.0005	0.0623	0.0414	0.0291	0.1322	0.2655
55 mph	0.0001	0.0000	0.0000	0.0003	0.0381	0.0252	0.0104	0.0480	0.1222
60 mph	0.0001	0.0000	0.0000	0.0004	0.0464	0.0306	0.4724	2.5821	3.1320
65 mph	0.0000	0.0000	0.0000	0.0001	0.0098	0.0064	-	-	0.0163
70 mph	0.0002	0.0000	0.0001	0.0016	0.3722	0.2219	-	-	0.5960
total	0.0109	0.0003	0.0052	0.0187	2.0724	1.3887	1.0935	5.8441	10.4336

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1119	0.1119
15 mph								0.0233	0.0233
20 mph								0.0299	0.0299
25 mph								0.1215	0.1215
30 mph								0.0844	0.0844
35 mph								0.0292	0.0292
40 mph								0.0251	0.0251
45 mph								0.0158	0.0158
50 mph								0.0206	0.0206
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.4618	0.4618

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0539	0.0539
25 mph								0.0697	0.0697
30 mph								0.0913	0.0913
35 mph								0.0701	0.0701
40 mph								0.0498	0.0498
45 mph								0.0285	0.0285
50 mph								0.0114	0.0114
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.2850	0.2850

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0016	0.0016
15 mph								0.0398	0.0398
25 mph								0.0825	0.0825
35 mph								-	-
total	-	-	-	-	-	-	-	0.1238	0.1238

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0016	0.0016
10 mph								0.1119	0.1119
15 mph								0.0632	0.0632
20 mph								0.0838	0.0838
25 mph								0.2737	0.2737
30 mph								0.1757	0.1757
35 mph								0.0993	0.0993
40 mph								0.0749	0.0749
45 mph								0.0442	0.0442
50 mph								0.0321	0.0321
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.9603	0.9603

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2839	0.7694	0.4922	0.5453	0.8560	0.7401	0.4496	0.7095
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS + HOTSOAK Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.6544	0.1344	0.4251	1.8558	1.0121	0.2650	0.2540	0.0027
Electric/NG	-	-	-	-	-	-	-	-
Total	**0.6544**	**0.1344**	**0.4251**	**1.8558**	**1.0121**	**0.2650**	**0.2540**	**0.0027**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3873	0.8460	0.6262	0.7655	0.0789	0.0722	0.0561	0.0850
Electric/NG	0.0314	0.0313	0.0313	0.0314	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.4464	0.0739	0.2704	1.3025	0.0466	0.0129	0.0159	0.0002
Electric/NG	0.0012	0.0000	0.0003	0.0011	-	-	-	-
Total	0.4477	0.0739	0.2707	1.3036	0.0466	0.0129	0.0159	0.0002

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1647	0.2492	0.2344	0.2900	0.0951	0.0956	0.1773	0.0016
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3797	0.0435	0.2024	0.9868	0.1125	0.0342	0.1001	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.3797	0.0435	0.2024	0.9868	0.1125	0.0342	0.1001	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.5315	0.5512	1.1134	0.8843	4.0803
10 mph	0.0263	0.0051	0.0176	0.0978	0.4014	0.2544	0.0951	0.3800	1.2777
15 mph	0.1359	0.0271	0.0916	0.0642	0.2230	0.1369	0.0519	0.1959	0.9264
20 mph	0.0099	0.0020	0.0068	0.0378	0.0904	0.0514	0.0746	0.2544	0.5273
25 mph	0.0344	0.0072	0.0236	0.1250	0.3427	0.1889	0.2505	0.8962	1.8685
30 mph	0.0302	0.0065	0.0208	0.1143	0.2525	0.1381	0.1662	0.5983	1.3270
35 mph	0.2001	0.0436	0.1384	0.1373	0.2232	0.1208	0.1002	0.3556	1.3193
40 mph	0.0091	0.0020	0.0063	0.0469	0.1185	0.0633	0.0844	0.2897	0.6204
45 mph	0.0069	0.0015	0.0048	0.0350	0.0875	0.0462	0.0581	0.1931	0.4330
50 mph	0.0069	0.0015	0.0048	0.0361	0.0899	0.0467	0.0518	0.1662	0.4040
55 mph	0.0049	0.0011	0.0034	0.0238	0.0564	0.0288	0.0181	0.0487	0.1850
60 mph	0.0078	0.0017	0.0053	0.0317	0.0699	0.0351	0.7894	2.6094	3.5505
65 mph	0.0013	0.0003	0.0009	0.0061	0.0148	0.0073	-	-	0.0307
70 mph	0.0186	0.0045	0.0126	0.1419	0.4951	0.2430	-	-	0.9157
RL+HS	0.6544	0.1344	0.4251	1.8558	1.0121	0.2650	0.2540	0.0027	4.6035
RL+DIURN	0.4477	0.0739	0.2707	1.3036	0.0466	0.0129	0.0159	0.0002	2.1714
STREX	0.3797	0.0435	0.2024	0.9868	0.1125	0.0342	0.1001	0.0000	1.8592
total	1.9742	0.3560	1.2351	5.0440	5.1681	2.2240	3.2237	6.8748	**26.1000**

World Logistics Center
Mobile Emissions - 2026 (Net) - Mitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.4131	1.4246	2.4028	27.6238
10 mph	0.0419	0.1152	0.0842	0.1035	0.1859	0.2009	0.3721	4.9267
15 mph	0.0369	0.0991	0.0733	0.0901	0.1644	0.1766	0.3308	4.3601
20 mph	0.0331	0.0876	0.0653	0.0804	0.1523	0.1606	0.3006	3.9872
25 mph	0.0300	0.0785	0.0588	0.0726	0.1411	0.1469	0.2716	3.6755
30 mph	0.0277	0.0721	0.0540	0.0670	0.1336	0.1370	0.2484	3.4552
35 mph	0.0259	0.0677	0.0504	0.0629	0.1288	0.1300	0.2316	3.3055
40 mph	0.0247	0.0647	0.0481	0.0601	0.1254	0.1249	0.2221	3.1969
45 mph	0.0240	0.0632	0.0468	0.0585	0.1233	0.1216	0.2137	3.1295
50 mph	0.0237	0.0636	0.0464	0.0583	0.1237	0.1202	0.2115	3.1117
55 mph	0.0240	0.0659	0.0476	0.0598	0.1271	0.1224	0.2156	3.1715
60 mph	0.0251	0.0702	0.0501	0.0629	0.1318	0.1271	0.2235	3.2769
65 mph	0.0261	0.0755	0.0528	0.0666	0.1392	0.1334		
70 mph	0.0268	0.0858	0.0540	0.0710	0.1562	0.1344		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					47.0842	47.3832	29.2579	28.0122
10 mph	0.0843	0.6586	0.1265	0.0816	0.8429	0.8011	5.0083	10.6614
15 mph	0.0630	0.6703	0.0860	0.0575	0.7226	0.6919	3.5277	7.4681
20 mph	0.0481	0.6879	0.0581	0.0414	0.7169	0.6751	2.8065	5.2542
25 mph	0.0414	0.7080	0.0453	0.0344	0.7168	0.6704	2.1902	4.4208
30 mph	0.0380	0.7306	0.0386	0.0312	0.7524	0.6958	1.6379	3.3076
35 mph	0.0356	0.7523	0.0343	0.0294	0.8127	0.7391	1.1981	2.4247
40 mph	0.0344	0.7805	0.0312	0.0280	0.8641	0.7784	0.8701	1.7764
45 mph	0.0340	0.8122	0.0289	0.0269	0.9006	0.8085	0.6559	1.3560
50 mph	0.0339	0.8420	0.0273	0.0266	0.9536	0.8535	0.5569	1.1492
55 mph	0.0337	0.8775	0.0260	0.0262	0.9725	0.8742	0.5717	1.2347
60 mph	0.0344	0.9108	0.0256	0.0264	0.9884	0.8879	0.7014	1.4788
65 mph	0.0346	0.9318	0.0259	0.0275	1.1145	0.9909		
70 mph	0.0364	0.9152	0.0283	0.0333	2.0327	1.6485		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								33.7162
10 mph								3.6401
15 mph								2.7155
20 mph								2.1309
25 mph								1.8390
30 mph								1.6649
35 mph								1.5369
40 mph								1.4404
45 mph								1.3676
50 mph								1.3141
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0389	0.0081	0.0293	0.1446	0.1184	0.0387	0.1196	0.0107	0.5082
15 mph	0.0137	0.0028	0.0102	0.0504	0.0419	0.0136	0.0354	0.0032	0.1711
20 mph	0.0245	0.0049	0.0182	0.0899	0.0776	0.0248	0.0644	0.0058	0.3101
25 mph	0.1112	0.0221	0.0817	0.4058	0.3593	0.1133	0.3200	0.0293	1.4428
30 mph	0.1129	0.0223	0.0826	0.4117	0.3741	0.1162	0.2660	0.0251	1.4110
35 mph	0.0866	0.0171	0.0631	0.3164	0.2952	0.0902	0.1117	0.0108	0.9911
40 mph	0.0275	0.0055	0.0201	0.1008	0.0958	0.0289	0.1189	0.0116	0.4091
45 mph	0.0222	0.0044	0.0163	0.0818	0.0785	0.0234	0.0916	0.0091	0.3274
50 mph	0.0220	0.0045	0.0161	0.0815	0.0788	0.0232	0.1472	0.0147	0.3879
55 mph	0.0178	0.0037	0.0132	0.0668	0.0647	0.0189	0.0346	0.0035	0.2233
60 mph	0.0372	0.0079	0.0279	0.1407	0.1342	0.0392	0.0359	0.0036	0.4266
65 mph	0.0049	0.0011	0.0037	0.0186	0.0177	0.0051	-	-	0.0511
70 mph	-	-	-	-	-	-	-	-	-
total	0.5194	0.1044	0.3823	1.9090	1.7363	0.5356	1.3453	0.1273	6.6596

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0032	0.0007	0.0024	0.0250	0.0254	0.0083	-	-	0.0650
15 mph	0.0028	0.0006	0.0021	0.0217	0.0225	0.0073	-	-	0.0570
20 mph	0.0025	0.0005	0.0019	0.0194	0.0208	0.0066	0.1161	0.0104	0.1783
25 mph	0.0046	0.0009	0.0034	0.0351	0.0385	0.0121	0.1836	0.0168	0.2950
30 mph	0.0085	0.0017	0.0062	0.0647	0.0729	0.0227	0.2877	0.0271	0.4915
35 mph	0.0179	0.0035	0.0130	0.1366	0.1583	0.0484	0.2684	0.0260	0.6721
40 mph	0.0190	0.0038	0.0138	0.1452	0.1711	0.0516	0.2358	0.0230	0.6633
45 mph	0.0147	0.0029	0.0108	0.1130	0.1347	0.0402	0.1651	0.0164	0.4978
50 mph	0.0164	0.0033	0.0120	0.1267	0.1520	0.0447	0.0817	0.0081	0.4449
55 mph	0.0092	0.0019	0.0068	0.0721	0.0867	0.0253	0.0416	0.0042	0.2480
60 mph	0.0058	0.0012	0.0043	0.0456	0.0540	0.0158	3.0205	0.3002	3.4473
65 mph	0.0020	0.0004	0.0015	0.0161	0.0190	0.0055	-	-	0.0445
70 mph	0.0946	0.0229	0.0714	0.7883	0.9809	0.2555	-	-	2.2137
total	0.2012	0.0444	0.1497	1.6094	1.9369	0.5441	4.4004	0.4322	9.3184

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1150	0.0351	0.0901	0.0102	0.2504
15 mph	0.2715	0.0552	0.2022	0.0734	0.0672	0.0219	0.0604	0.0054	0.7573
25 mph	-	-	-	-	0.1095	0.0345	0.2171	0.0199	0.3811
35 mph	0.8205	0.1623	0.5981	0.2025	-	-	-	-	1.7834
total	1.0920	0.2176	0.8003	0.2759	0.2917	0.0915	0.3676	0.0355	3.1721

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1150	0.0351	0.0901	0.0102	0.2504
10 mph	0.0421	0.0088	0.0317	0.1695	0.1438	0.0470	0.1196	0.0107	0.5732
15 mph	0.2881	0.0586	0.2145	0.1455	0.1315	0.0428	0.0959	0.0086	0.9855
20 mph	0.0271	0.0054	0.0201	0.1093	0.0984	0.0314	0.1805	0.0162	0.4884
25 mph	0.1158	0.0230	0.0851	0.4409	0.5074	0.1600	0.7207	0.0661	2.1189
30 mph	0.1214	0.0240	0.0888	0.4764	0.4471	0.1389	0.5538	0.0522	1.9024
35 mph	0.9249	0.1830	0.6742	0.6555	0.4535	0.1386	0.3800	0.0368	3.4465
40 mph	0.0465	0.0092	0.0339	0.2460	0.2669	0.0805	0.3548	0.0346	1.0724
45 mph	0.0369	0.0074	0.0270	0.1948	0.2132	0.0636	0.2566	0.0255	0.8252
50 mph	0.0383	0.0078	0.0281	0.2081	0.2308	0.0679	0.2289	0.0228	0.8329
55 mph	0.0271	0.0056	0.0201	0.1390	0.1515	0.0442	0.0763	0.0076	0.4713
60 mph	0.0430	0.0091	0.0322	0.1862	0.1882	0.0550	3.0564	0.3037	3.8739
65 mph	0.0069	0.0015	0.0052	0.0347	0.0367	0.0107	-	-	0.0956
70 mph	0.0946	0.0229	0.0714	0.7883	0.9809	0.2555	-	-	2.2137
total	1.8126	0.3664	1.3324	3.7942	3.9649	1.1712	6.1134	0.5950	19.1502

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0008	0.0000	0.0004	0.0031	0.4428	0.2931	8.4960	33.9072	43.1434
15 mph	0.0002	0.0000	0.0001	0.0009	0.1518	0.1013	1.9948	7.9171	10.1662
20 mph	0.0004	0.0000	0.0001	0.0012	0.3013	0.1976	3.1739	11.1403	14.8149
25 mph	0.0016	0.0001	0.0005	0.0052	1.5062	0.9811	13.6233	51.5524	67.6704
30 mph	0.0016	0.0001	0.0005	0.0052	1.7392	1.1202	9.2620	35.0645	47.1932
35 mph	0.0012	0.0001	0.0003	0.0040	1.5369	0.9735	3.0487	11.5673	17.1320
40 mph	0.0004	0.0000	0.0001	0.0013	0.5447	0.3418	2.4600	9.4161	12.7644
45 mph	0.0003	0.0000	0.0001	0.0010	0.4731	0.2958	1.4835	5.7503	8.0042
50 mph	0.0003	0.0000	0.0001	0.0010	0.5010	0.3123	2.0468	7.9190	10.7805
55 mph	0.0003	0.0000	0.0001	0.0008	0.4087	0.2559	0.4849	1.9633	3.1140
60 mph	0.0005	0.0000	0.0001	0.0016	0.8308	0.5198	0.5949	2.3516	4.2993
65 mph	0.0001	0.0000	0.0000	0.0002	0.1171	0.0725	-	-	0.1899
70 mph	-	-	-	-	-	-	-	-	-
total	0.0078	0.0004	0.0023	0.0254	8.5537	5.4648	46.6689	178.5492	239.2724

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0005	0.0949	0.0629	-	-	0.1584
15 mph	0.0001	0.0000	0.0000	0.0004	0.0814	0.0543	-	-	0.1361
20 mph	0.0000	0.0000	0.0000	0.0003	0.0808	0.0530	5.7218	20.0832	25.9391
25 mph	0.0001	0.0000	0.0000	0.0004	0.1615	0.1052	7.8144	29.5706	37.6522
30 mph	0.0001	0.0000	0.0000	0.0008	0.3390	0.2184	10.0183	37.9276	48.5042
35 mph	0.0003	0.0000	0.0001	0.0017	0.8239	0.5219	7.3280	27.8040	36.4799
40 mph	0.0003	0.0000	0.0001	0.0018	0.9734	0.6107	4.8783	18.6724	25.1370
45 mph	0.0002	0.0000	0.0001	0.0014	0.8116	0.5075	2.6744	10.3664	14.3615
50 mph	0.0002	0.0000	0.0001	0.0016	0.9669	0.6027	1.1353	4.3926	7.0994
55 mph	0.0001	0.0000	0.0000	0.0009	0.5478	0.3429	0.5828	2.3596	3.8341
60 mph	0.0001	0.0000	0.0000	0.0005	0.3340	0.2090	50.0470	197.8376	248.4283
65 mph	0.0000	0.0000	0.0000	0.0002	0.1255	0.0777	-	-	0.2035
70 mph	0.0013	0.0001	0.0003	0.0100	10.5334	5.9496	-	-	16.4946
total	0.0029	0.0002	0.0007	0.0205	15.8742	9.3156	90.2003	349.0141	464.4284

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.1618	2.2160	5.7888	10.3907	21.5574
15 mph	0.0048	0.0001	0.0019	0.0013	0.2436	0.1625	3.4024	13.5039	17.3205
25 mph	-	-	-	-	0.4590	0.2990	9.2439	34.9801	44.9819
35 mph	0.0117	0.0006	0.0033	0.0026	-	-	-	-	0.0181
total	0.0165	0.0007	0.0052	0.0038	3.8644	2.6775	18.4351	58.8747	83.8778

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.1618	2.2160	5.7888	10.3907	21.5574
10 mph	0.0009	0.0000	0.0004	0.0036	0.5377	0.3560	8.4960	33.9072	43.3018
15 mph	0.0051	0.0001	0.0020	0.0025	0.4768	0.3180	5.3972	21.4210	27.6228
20 mph	0.0004	0.0000	0.0001	0.0015	0.3820	0.2506	8.8958	31.2235	40.7540
25 mph	0.0017	0.0001	0.0005	0.0056	2.1266	1.3853	30.6816	116.1031	150.3045
30 mph	0.0017	0.0001	0.0005	0.0060	2.0783	1.3385	19.2803	72.9921	95.6975
35 mph	0.0132	0.0007	0.0037	0.0083	2.3609	1.4954	10.3767	39.3713	53.6300
40 mph	0.0007	0.0000	0.0002	0.0031	1.5182	0.9525	7.3383	28.0885	37.9014
45 mph	0.0005	0.0000	0.0001	0.0024	1.2847	0.8033	4.1579	16.1167	22.3657
50 mph	0.0006	0.0000	0.0001	0.0026	1.4678	0.9149	3.1821	12.3117	17.8799
55 mph	0.0004	0.0000	0.0001	0.0016	0.9565	0.5988	1.0678	4.3229	6.9481
60 mph	0.0006	0.0000	0.0001	0.0021	1.1648	0.7287	50.6419	200.1892	252.7276
65 mph	0.0001	0.0000	0.0000	0.0004	0.2426	0.1502	-	-	0.3934
70 mph	0.0013	0.0001	0.0003	0.0100	10.5334	5.9496	-	-	16.4946
total	0.0272	0.0013	0.0082	0.0497	28.2922	17.4578	155.3043	586.4380	787.5787

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.6623	0.6623
15 mph								0.1647	0.1647
20 mph								0.2585	0.2585
25 mph								1.2268	1.2268
30 mph								1.0097	1.0097
35 mph								0.4194	0.4194
40 mph								0.4368	0.4368
45 mph								0.3317	0.3317
50 mph								0.5180	0.5180
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.0278	5.0278

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.4659	0.4659
25 mph								0.7037	0.7037
30 mph								1.0921	1.0921
35 mph								1.0082	1.0082
40 mph								0.8661	0.8661
45 mph								0.5981	0.5981
50 mph								0.2873	0.2873
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.2699	3.2699

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.7154	0.7154
15 mph								0.2809	0.2809
25 mph								0.8324	0.8324
35 mph								-	-
total	-	-	-	-	-	-	-	1.8288	1.8288

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.7154	0.7154
10 mph								0.6623	0.6623
15 mph								0.4456	0.4456
20 mph								0.7244	0.7244
25 mph								2.7629	2.7629
30 mph								2.1018	2.1018
35 mph								1.4276	1.4276
40 mph								1.3028	1.3028
45 mph								0.9298	0.9298
50 mph								0.8054	0.8054
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	11.8780	11.8780

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.2768	2.2511	5.8789	11.1164	22.5232
10 mph	0.0430	0.0088	0.0321	0.1731	0.6815	0.4030	8.6156	34.5802	44.5372
15 mph	0.2932	0.0587	0.2166	0.1480	0.6084	0.3608	5.4931	21.8752	29.0539
20 mph	0.0275	0.0055	0.0202	0.1108	0.4804	0.2820	9.0763	31.9641	41.9667
25 mph	0.1175	0.0231	0.0856	0.4465	2.6340	1.5452	31.4023	118.9322	155.1864
30 mph	0.1231	0.0241	0.0893	0.4824	2.5253	1.4774	19.8340	75.1460	99.7017
35 mph	0.9381	0.1837	0.6779	0.6638	2.8144	1.6340	10.7567	40.8357	58.5042
40 mph	0.0471	0.0093	0.0341	0.2491	1.7851	1.0330	7.6930	29.4260	40.2766
45 mph	0.0375	0.0074	0.0272	0.1973	1.4979	0.8669	4.4145	17.0720	24.1206
50 mph	0.0389	0.0078	0.0283	0.2107	1.6987	0.9828	3.4110	13.1399	19.5181
55 mph	0.0274	0.0056	0.0202	0.1406	1.1079	0.6430	1.1440	4.3305	7.4194
60 mph	0.0436	0.0092	0.0324	0.1883	1.3531	0.7837	53.6983	200.4930	256.6015
65 mph	0.0070	0.0015	0.0052	0.0351	0.2794	0.1609	-	-	0.4890
70 mph	0.0960	0.0230	0.0717	0.7983	11.5143	6.2051	-	-	18.7084
STREX	0.3479	0.0350	0.1818	0.8680	0.5301	0.1653	6.6010	13.6859	22.4151
total	2.1877	0.4027	1.5224	4.7119	32.7872	18.7944	168.0187	612.5969	**841.0219**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1509	0.2004	0.2104	0.2551	0.4484	0.4617	0.3360	0.3166
Diesel	-	-	-	-	-	-	2.1500	2.4479
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3479	0.0350	0.1818	0.8680	0.5301	0.1653	0.1898	0.0012
Diesel	-	-	-	-	-	-	6.4112	13.6847
Electric/NG	-	-	-	-	-	-	-	-
Total	0.3479	0.0350	0.1818	0.8680	0.5301	0.1653	6.6010	13.6859

World Logistics Center
Mobile Emissions - 2026 (Net) - Mitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					154.4415	154.7085	386.5128	278.8132
10 mph	0.8921	1.5892	1.2270	1.3557	0.9812	0.6376	1.3087	50.4854
15 mph	0.8134	1.4237	1.1125	1.2261	0.7992	0.5535	1.1860	45.2852
20 mph	0.7441	1.2897	1.0148	1.1167	0.6874	0.4915	1.0894	41.1450
25 mph	0.6810	1.1699	0.9255	1.0182	0.5959	0.4372	0.9814	37.4466
30 mph	0.6249	1.0680	0.8470	0.9326	0.5307	0.3935	0.8839	34.2547
35 mph	0.5752	0.9823	0.7782	0.8585	0.4875	0.3600	0.8047	31.5461
40 mph	0.5334	0.9113	0.5885	0.7964	0.4612	0.3365	0.7498	29.3303
45 mph	0.4975	0.8508	0.6729	0.7434	0.4459	0.3178	0.6930	27.3551
50 mph	0.4639	0.8000	0.6279	0.6957	0.4421	0.3029	0.6503	25.6631
55 mph	0.4318	0.7521	0.5862	0.6513	0.4565	0.2971	0.6204	24.2855
60 mph	0.3966	0.6987	0.5398	0.6025	0.4831	0.2962	0.5909	23.0825
65 mph	0.3665	0.6575	0.5008	0.5619	0.5455	0.3091		
70 mph	0.3531	0.6870	0.4831	0.5509	0.5498	0.2626		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	21.3878	34.9467
10 mph	2.2410	2.5880	1.8166	2.4000	2.1967	2.2308	0.4823	1.3845
15 mph	1.1045	1.6911	0.8898	1.1729	1.1340	1.1452	0.2613	0.7399
20 mph	0.4425	1.1485	0.3487	0.4620	0.5305	0.5276	0.1745	0.4507
25 mph	0.2716	0.9088	0.2106	0.2812	0.3575	0.3526	0.1334	0.3622
30 mph	0.2076	0.7790	0.1596	0.2147	0.2904	0.2844	0.1024	0.2778
35 mph	0.1672	0.7046	0.1274	0.1730	0.2530	0.2450	0.0772	0.2096
40 mph	0.1400	0.6729	0.1056	0.1440	0.2302	0.2208	0.0578	0.1575
45 mph	0.1212	0.6771	0.0900	0.1232	0.2176	0.2070	0.0444	0.1211
50 mph	0.1082	0.7180	0.0785	0.1085	0.2180	0.2055	0.0368	0.0999
55 mph	0.0990	0.8052	0.0700	0.0975	0.2244	0.2103	0.0350	0.0966
60 mph	0.0980	0.9492	0.0671	0.0942	0.2467	0.2295	0.0392	0.1070
65 mph	0.1027	1.1781	0.0685	0.0980	0.3129	0.2870		
70 mph	0.1075	1.3669	0.0707	0.1074	0.5750	0.4846		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								32.9103
10 mph								34.7490
15 mph								24.4649
20 mph								17.6933
25 mph								12.9699
30 mph								9.5630
35 mph								7.0523
40 mph								5.2023
45 mph								3.8393
50 mph								2.8354
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.8279	0.1118	0.4267	1.8943	0.6247	0.1229	0.4205	0.1099	4.5387
15 mph	0.3020	0.0400	0.1547	0.6853	0.2035	0.0427	0.1270	0.0329	1.5881
20 mph	0.5524	0.0726	0.2823	1.2483	0.3501	0.0758	0.2334	0.0597	2.8745
25 mph	2.5280	0.3291	1.2872	5.6908	1.5177	0.3372	1.1563	0.2990	13.1453
30 mph	2.5517	0.3305	1.2959	5.7336	1.4868	0.3338	0.9467	0.2487	12.9277
35 mph	1.9218	0.2487	0.9742	4.3182	1.1173	0.2499	0.3879	0.1030	9.3210
40 mph	0.5940	0.0769	0.2456	1.3354	0.3523	0.0778	0.4015	0.1065	3.1901
45 mph	0.4617	0.0598	0.2340	1.0387	0.2839	0.0613	0.2969	0.0794	2.5157
50 mph	0.4305	0.0563	0.2183	0.9721	0.2815	0.0584	0.4527	0.1211	2.5909
55 mph	0.3206	0.0423	0.1631	0.7280	0.2325	0.0458	0.0997	0.0264	1.6584
60 mph	0.5889	0.0786	0.3003	1.3470	0.4921	0.0914	0.0949	0.0251	3.0183
65 mph	0.0680	0.0092	0.0348	0.1570	0.0695	0.0119	-	-	0.3505
70 mph	-	-	-	-	-	-	-	-	-
total	11.1474	1.4557	5.6170	25.1488	7.0120	1.5089	4.6177	1.2118	57.7193

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0685	0.0092	0.0353	0.3272	0.1340	0.0264	-	-	0.6005
15 mph	0.0624	0.0083	0.0320	0.2959	0.1091	0.0229	-	-	0.5306
20 mph	0.0571	0.0075	0.0292	0.2695	0.0938	0.0203	0.4207	0.1077	1.0059
25 mph	0.1045	0.0136	0.0532	0.4915	0.1627	0.0362	0.6633	0.1715	1.6965
30 mph	0.1919	0.0248	0.0974	0.9003	0.2898	0.0651	1.0240	0.2690	2.8624
35 mph	0.3974	0.0514	0.2014	1.8647	0.5990	0.1339	0.9323	0.2477	4.4278
40 mph	0.4094	0.0530	0.1692	1.9222	0.6296	0.1391	0.7963	0.2111	4.3300
45 mph	0.3055	0.0396	0.1548	1.4353	0.4870	0.1051	0.5353	0.1432	3.2058
50 mph	0.3205	0.0419	0.1625	1.5113	0.5432	0.1127	0.2511	0.0672	3.0103
55 mph	0.1657	0.0219	0.0843	0.7859	0.3116	0.0614	0.1198	0.0318	1.5824
60 mph	0.0913	0.0122	0.0466	0.4362	0.1979	0.0367	7.9874	2.1145	10.9228
65 mph	0.0281	0.0038	0.0144	0.1356	0.0745	0.0128	-	-	0.2692
70 mph	1.2468	0.1838	0.6391	6.1157	3.4530	0.4994	-	-	12.1379
total	3.4491	0.4710	1.7195	16.4915	7.0853	1.2720	12.7302	3.3636	46.5822

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	12.5691	3.8127	14.4859	0.1030	30.9707
15 mph	5.9869	0.7940	3.0679	0.9986	0.3265	0.0685	0.2167	0.0561	11.5152
25 mph	-	-	-	-	0.4625	0.1028	0.7846	0.2029	1.5527
35 mph	18.2164	2.3571	9.2338	2.7643	-	-	-	-	32.5716
total	24.2034	3.1511	12.3017	3.7629	13.3581	3.9840	15.4872	0.3620	76.6102

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	12.5691	3.8127	14.4859	0.1030	30.9707
10 mph	0.8963	0.1210	0.4619	2.2215	0.7587	0.1493	0.4205	0.1099	5.1392
15 mph	6.3513	0.8423	3.2546	1.9798	0.6392	0.1341	0.3437	0.0889	13.6340
20 mph	0.6095	0.0801	0.3115	1.5178	0.4440	0.0961	0.6541	0.1674	3.8804
25 mph	2.6325	0.3427	1.3405	6.1823	2.1429	0.4761	2.6042	0.6734	16.3945
30 mph	2.7435	0.3553	1.3934	6.6340	1.7766	0.3989	1.9708	0.5176	15.7901
35 mph	20.5356	2.6571	10.4094	8.9473	1.7163	0.3838	1.3201	0.3507	46.3204
40 mph	1.0034	0.1299	0.4148	3.2576	0.9820	0.2169	1.1978	0.3176	7.5200
45 mph	0.7671	0.0994	0.3888	2.4741	0.7709	0.1664	0.8322	0.2226	5.7215
50 mph	0.7510	0.0981	0.3809	2.4834	0.8247	0.1711	0.7039	0.1883	5.6013
55 mph	0.4863	0.0642	0.2474	1.5140	0.5441	0.1072	0.2195	0.0582	3.2409
60 mph	0.6802	0.0908	0.3469	1.7832	0.6900	0.1281	8.0823	2.1396	13.9411
65 mph	0.0962	0.0131	0.0492	0.2927	0.1439	0.0247	-	-	0.6197
70 mph	1.2468	0.1838	0.6391	6.1157	3.4530	0.4994	-	-	12.1379
total	38.7998	5.0778	19.6382	45.4032	27.4554	6.7649	32.8350	4.9374	180.9117

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0216	0.0001	0.0051	0.0905	1.1540	0.8162	0.8183	4.4034	7.3090
15 mph	0.0042	0.0000	0.0010	0.0177	0.2383	0.1676	0.1477	0.7844	1.3610
20 mph	0.0034	0.0000	0.0008	0.0139	0.2229	0.1544	0.1974	0.9556	1.5485
25 mph	0.0105	0.0001	0.0024	0.0424	0.7512	0.5160	0.8297	4.2235	6.3758
30 mph	0.0088	0.0001	0.0020	0.0356	0.6713	0.4578	0.5788	2.9455	4.6998
35 mph	0.0058	0.0001	0.0013	0.0235	0.4785	0.3227	0.1964	0.9998	2.0280
40 mph	0.0016	0.0000	0.0004	0.0065	0.1451	0.0969	0.1635	0.8350	1.2491
45 mph	0.0012	0.0000	0.0003	0.0046	0.1143	0.0757	0.1003	0.5136	0.8101
50 mph	0.0010	0.0000	0.0002	0.0041	0.1145	0.0752	0.1352	0.6885	1.0187
55 mph	0.0008	0.0000	0.0002	0.0029	0.0943	0.0616	0.0297	0.1536	0.3430
60 mph	0.0015	0.0000	0.0003	0.0057	0.2073	0.1343	0.0332	0.1701	0.5525
65 mph	0.0002	0.0000	0.0000	0.0007	0.0329	0.0210	-	-	0.0549
70 mph	-	-	-	-	-	-	-	-	-
total	0.0605	0.0004	0.0137	0.2482	4.2247	2.8994	3.2303	16.6728	27.3501

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0018	0.0000	0.0004	0.0156	0.2475	0.1750	-	-	0.4403
15 mph	0.0009	0.0000	0.0002	0.0076	0.1277	0.0898	-	-	0.2263
20 mph	0.0004	0.0000	0.0001	0.0030	0.0598	0.0414	0.3558	1.7227	2.1831
25 mph	0.0004	0.0000	0.0001	0.0037	0.0805	0.0553	0.4759	2.4226	3.0386
30 mph	0.0007	0.0000	0.0001	0.0056	0.1309	0.0892	0.6261	3.1860	4.0386
35 mph	0.0012	0.0000	0.0003	0.0101	0.2565	0.1730	0.4721	2.4031	3.3163
40 mph	0.0011	0.0000	0.0002	0.0094	0.2594	0.1732	0.3243	1.6558	2.4234
45 mph	0.0008	0.0000	0.0002	0.0064	0.1961	0.1299	0.1809	0.9260	1.4402
50 mph	0.0008	0.0000	0.0002	0.0064	0.2210	0.1451	0.0750	0.3819	0.8303
55 mph	0.0004	0.0000	0.0001	0.0032	0.1264	0.0825	0.0357	0.1845	0.4328
60 mph	0.0002	0.0000	0.0000	0.0018	0.0834	0.0540	2.7949	14.3095	17.2439
65 mph	0.0001	0.0000	0.0000	0.0006	0.0352	0.0225	-	-	0.0585
70 mph	0.0039	0.0001	0.0008	0.0322	2.9795	1.7490	-	-	4.7654
total	0.0126	0.0002	0.0027	0.1056	4.8038	2.9800	5.3407	27.1921	40.4377

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.7661	1.2300	4.2317	12.9629	20.1907
15 mph	0.0842	0.0003	0.0197	0.0258	0.3823	0.2689	0.2520	1.3379	2.3711
25 mph	-	-	-	-	0.2289	0.1572	0.5630	2.8658	3.8149
35 mph	0.0549	0.0006	0.0121	0.0150	-	-	-	-	0.0826
total	0.1391	0.0009	0.0318	0.0408	2.3773	1.6562	5.0467	17.1666	26.4594

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.7661	1.2300	4.2317	12.9629	20.1907
10 mph	0.0233	0.0001	0.0055	0.1061	1.4014	0.9912	0.8183	4.4034	7.7493
15 mph	0.0894	0.0003	0.0209	0.0511	0.7484	0.5264	0.3997	2.1223	3.9584
20 mph	0.0038	0.0000	0.0009	0.0169	0.2827	0.1958	0.5532	2.6783	3.7316
25 mph	0.0109	0.0001	0.0024	0.0461	1.0607	0.7286	1.8686	9.5119	13.2293
30 mph	0.0094	0.0001	0.0021	0.0412	0.8021	0.5470	1.2049	6.1315	8.7383
35 mph	0.0619	0.0006	0.0137	0.0486	0.7350	0.4957	0.6685	3.4028	5.4269
40 mph	0.0027	0.0000	0.0006	0.0159	0.4045	0.2701	0.4878	2.4908	3.6726
45 mph	0.0019	0.0000	0.0004	0.0111	0.3104	0.2056	0.2812	1.4396	2.2503
50 mph	0.0018	0.0000	0.0004	0.0104	0.3356	0.2202	0.2101	1.0704	1.8490
55 mph	0.0012	0.0000	0.0002	0.0061	0.2207	0.1441	0.0654	0.3381	0.7758
60 mph	0.0017	0.0000	0.0003	0.0075	0.2907	0.1884	2.8281	14.4796	17.7963
65 mph	0.0003	0.0000	0.0001	0.0014	0.0681	0.0435	-	-	0.1134
70 mph	0.0039	0.0001	0.0008	0.0322	2.9795	1.7490	-	-	4.7654
total	0.2123	0.0015	0.0482	0.3946	11.4059	7.5356	13.6176	61.0315	94.2473

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								6.3221	6.3221
15 mph								1.4837	1.4837
20 mph								2.1460	2.1460
25 mph								8.6522	8.6522
30 mph								5.7995	5.7995
35 mph								1.9246	1.9246
40 mph								1.5775	1.5775
45 mph								0.9314	0.9314
50 mph								1.1177	1.1177
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	29.9547	29.9547

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								3.8688	3.8688
25 mph								4.9630	4.9630
30 mph								6.2730	6.2730
35 mph								4.6261	4.6261
40 mph								3.1282	3.1282
45 mph								1.6790	1.6790
50 mph								0.6200	0.6200
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	19.7309	19.7309

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.6983	0.6983
15 mph								2.5307	2.5307
25 mph								5.8708	5.8708
35 mph								-	-
total	-	-	-	-	-	-	-	9.0998	9.0998

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.6983	0.6983
10 mph								6.3221	6.3221
15 mph								4.0143	4.0143
20 mph								6.0148	6.0148
25 mph								19.4860	19.4860
30 mph								12.0726	12.0726
35 mph								6.5507	6.5507
40 mph								4.7057	4.7057
45 mph								2.6103	2.6103
50 mph								1.7377	1.7377
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	64.2126	64.2126

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	14.3352	5.0427	18.7176	13.7643	51.8598
10 mph	0.9197	0.1211	0.4674	2.3276	2.1601	1.1405	1.2388	10.8354	19.2105
15 mph	6.4407	0.8427	3.2755	2.0309	1.3875	0.6604	0.7434	6.2255	21.6067
20 mph	0.6133	0.0801	0.3123	1.5347	0.7267	0.2920	1.2073	8.8605	13.6268
25 mph	2.6434	0.3428	1.3429	6.2283	3.2036	1.2047	4.4728	29.6714	49.1099
30 mph	2.7530	0.3554	1.3955	6.6752	2.5788	0.9459	3.1757	18.7216	36.6010
35 mph	20.5975	2.6578	10.4230	8.9959	2.4513	0.8795	1.9887	10.3043	58.2980
40 mph	1.0061	0.1299	0.4154	3.2735	1.3865	0.4871	1.6856	7.5141	15.8983
45 mph	0.7690	0.0994	0.3892	2.4851	1.0813	0.3720	1.1134	4.2726	10.5822
50 mph	0.7528	0.0982	0.3812	2.4939	1.1602	0.3914	0.9140	2.9963	9.1879
55 mph	0.4875	0.0642	0.2476	1.5201	0.7648	0.2513	0.2849	0.3963	4.0167
60 mph	0.6819	0.0909	0.3472	1.7908	0.9807	0.3164	10.9104	16.6192	31.7375
65 mph	0.0964	0.0131	0.0493	0.2940	0.2121	0.0682	-	-	0.7331
70 mph	1.2508	0.1839	0.6399	6.1478	6.4325	2.2484	-	-	16.9033
STREX	4.3740	0.3505	2.0601	9.0337	1.8670	0.5494	2.0931	0.0202	20.3481
total	43.3861	5.4298	21.7466	54.8315	40.7282	14.8500	48.5458	130.2017	**359.7197**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.8974	2.0063	2.3852	2.6546	1.5791	1.5345	3.7056	5.2765
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	4.3740	0.3505	2.0601	9.0337	1.8670	0.5494	2.0931	0.0202
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	4.3740	0.3505	2.0601	9.0337	1.8670	0.5494	2.0931	0.0202

World Logistics Center
Mobile Emissions - 2026 (Net) - Mitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0546	0.0546	0.1381	0.2178
10 mph	0.0046	0.0053	0.0056	0.0069	0.0144	0.0166	0.0298	0.0355
15 mph	0.0037	0.0044	0.0045	0.0056	0.0118	0.0135	0.0244	0.0291
20 mph	0.0031	0.0036	0.0038	0.0047	0.0098	0.0112	0.0202	0.0242
25 mph	0.0027	0.0031	0.0032	0.0040	0.0084	0.0096	0.0173	0.0207
30 mph	0.0024	0.0028	0.0029	0.0035	0.0074	0.0085	0.0154	0.0184
35 mph	0.0022	0.0026	0.0027	0.0033	0.0069	0.0079	0.0143	0.0170
40 mph	0.0021	0.0025	0.0026	0.0032	0.0067	0.0077	0.0138	0.0165
45 mph	0.0021	0.0025	0.0026	0.0032	0.0067	0.0077	0.0139	0.0165
50 mph	0.0022	0.0026	0.0027	0.0033	0.0069	0.0079	0.0143	0.0169
55 mph	0.0023	0.0027	0.0028	0.0034	0.0072	0.0082	0.0148	0.0176
60 mph	0.0023	0.0027	0.0029	0.0036	0.0075	0.0086	0.0154	0.0183
65 mph	0.0024	0.0028	0.0029	0.0037	0.0077	0.0088		
70 mph	0.0024	0.0029	0.0030	0.0038	0.0078	0.0089		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0343	0.0552	0.0571	0.0523
10 mph	0.0036	0.0080	0.0049	0.0061	0.0089	0.0099	0.0174	0.0285
15 mph	0.0030	0.0066	0.0041	0.0052	0.0058	0.0066	0.0137	0.0209
20 mph	0.0025	0.0054	0.0033	0.0043	0.0049	0.0056	0.0117	0.0173
25 mph	0.0021	0.0045	0.0028	0.0036	0.0044	0.0050	0.0102	0.0148
30 mph	0.0018	0.0039	0.0024	0.0032	0.0040	0.0045	0.0089	0.0130
35 mph	0.0016	0.0035	0.0022	0.0029	0.0040	0.0045	0.0080	0.0118
40 mph	0.0015	0.0033	0.0020	0.0027	0.0039	0.0044	0.0073	0.0108
45 mph	0.0015	0.0032	0.0020	0.0026	0.0038	0.0042	0.0069	0.0102
50 mph	0.0015	0.0032	0.0020	0.0026	0.0040	0.0044	0.0068	0.0099
55 mph	0.0015	0.0033	0.0021	0.0027	0.0041	0.0045	0.0070	0.0102
60 mph	0.0017	0.0036	0.0022	0.0030	0.0042	0.0045	0.0075	0.0108
65 mph	0.0019	0.0040	0.0025	0.0033	0.0042	0.0046		
70 mph	0.0020	0.0042	0.0027	0.0037	0.0044	0.0047		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0042	0.0004	0.0019	0.0096	0.0092	0.0032	0.0096	0.0001	0.0381
15 mph	0.0014	0.0001	0.0006	0.0031	0.0030	0.0010	0.0026	0.0000	0.0119
20 mph	0.0023	0.0002	0.0010	0.0052	0.0050	0.0017	0.0043	0.0000	0.0198
25 mph	0.0098	0.0009	0.0045	0.0223	0.0213	0.0074	0.0204	0.0002	0.0867
30 mph	0.0096	0.0009	0.0044	0.0218	0.0208	0.0072	0.0165	0.0001	0.0813
35 mph	0.0073	0.0006	0.0033	0.0166	0.0158	0.0055	0.0069	0.0001	0.0560
40 mph	0.0024	0.0002	0.0011	0.0054	0.0051	0.0018	0.0074	0.0001	0.0233
45 mph	0.0020	0.0002	0.0009	0.0045	0.0043	0.0015	0.0059	0.0000	0.0193
50 mph	0.0020	0.0002	0.0009	0.0046	0.0044	0.0015	0.0099	0.0001	0.0237
55 mph	0.0017	0.0001	0.0008	0.0038	0.0036	0.0013	0.0024	0.0000	0.0138
60 mph	0.0035	0.0003	0.0016	0.0079	0.0076	0.0026	0.0025	0.0000	0.0261
65 mph	0.0004	0.0000	0.0002	0.0010	0.0010	0.0003	-	-	0.0030
70 mph	-	-	-	-	-	-	-	-	-
total	0.0467	0.0041	0.0213	0.1058	0.1009	0.0351	0.0884	0.0007	0.4031

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0004	0.0000	0.0002	0.0017	0.0020	0.0007	-	-	0.0048
15 mph	0.0003	0.0000	0.0001	0.0014	0.0016	0.0006	-	-	0.0040
20 mph	0.0002	0.0000	0.0001	0.0011	0.0013	0.0005	0.0078	0.0001	0.0112
25 mph	0.0004	0.0000	0.0002	0.0019	0.0023	0.0008	0.0117	0.0001	0.0174
30 mph	0.0007	0.0001	0.0003	0.0034	0.0040	0.0014	0.0178	0.0001	0.0280
35 mph	0.0015	0.0001	0.0007	0.0072	0.0085	0.0029	0.0165	0.0001	0.0376
40 mph	0.0016	0.0001	0.0007	0.0077	0.0091	0.0032	0.0147	0.0001	0.0373
45 mph	0.0013	0.0001	0.0006	0.0062	0.0073	0.0025	0.0107	0.0001	0.0289
50 mph	0.0015	0.0001	0.0007	0.0072	0.0085	0.0029	0.0055	0.0000	0.0265
55 mph	0.0009	0.0001	0.0004	0.0041	0.0049	0.0017	0.0029	0.0000	0.0150
60 mph	0.0005	0.0000	0.0002	0.0026	0.0031	0.0011	0.2085	0.0017	0.2177
65 mph	0.0002	0.0000	0.0001	0.0009	0.0010	0.0004	-	-	0.0026
70 mph	0.0086	0.0008	0.0039	0.0416	0.0490	0.0170	-	-	0.1209
total	0.0181	0.0016	0.0083	0.0870	0.1025	0.0356	0.2962	0.0024	0.5517

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0044	0.0013	0.0052	0.0001	0.0110
15 mph	0.0275	0.0024	0.0125	0.0046	0.0048	0.0017	0.0045	0.0000	0.0579
25 mph	-	-	-	-	0.0065	0.0023	0.0138	0.0001	0.0227
35 mph	0.0692	0.0061	0.0316	0.0106	-	-	-	-	0.1175
total	0.0966	0.0086	0.0441	0.0152	0.0157	0.0053	0.0235	0.0002	0.2091

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0044	0.0013	0.0052	0.0001	0.0110
10 mph	0.0046	0.0004	0.0021	0.0112	0.0111	0.0039	0.0096	0.0001	0.0430
15 mph	0.0291	0.0026	0.0133	0.0090	0.0094	0.0033	0.0071	0.0001	0.0738
20 mph	0.0025	0.0002	0.0012	0.0063	0.0063	0.0022	0.0121	0.0001	0.0310
25 mph	0.0103	0.0009	0.0047	0.0242	0.0300	0.0105	0.0460	0.0004	0.1269
30 mph	0.0103	0.0009	0.0047	0.0252	0.0248	0.0086	0.0343	0.0003	0.1092
35 mph	0.0780	0.0069	0.0356	0.0343	0.0242	0.0084	0.0234	0.0002	0.2111
40 mph	0.0040	0.0004	0.0018	0.0131	0.0142	0.0049	0.0221	0.0002	0.0606
45 mph	0.0033	0.0003	0.0015	0.0107	0.0116	0.0040	0.0167	0.0001	0.0481
50 mph	0.0035	0.0003	0.0016	0.0118	0.0128	0.0045	0.0154	0.0001	0.0502
55 mph	0.0026	0.0002	0.0012	0.0080	0.0085	0.0030	0.0052	0.0000	0.0288
60 mph	0.0040	0.0004	0.0018	0.0105	0.0106	0.0037	0.2110	0.0017	0.2438
65 mph	0.0006	0.0001	0.0003	0.0019	0.0020	0.0007	-	-	0.0056
70 mph	0.0086	0.0008	0.0039	0.0416	0.0490	0.0170	-	-	0.1209
total	0.1614	0.0143	0.0736	0.2080	0.2191	0.0760	0.4081	0.0033	1.1639

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0002	0.0047	0.0036	0.0295	0.0907	0.1288
15 mph	0.0000	0.0000	0.0000	0.0001	0.0012	0.0010	0.0077	0.0222	0.0322
20 mph	0.0000	0.0000	0.0000	0.0001	0.0021	0.0016	0.0132	0.0367	0.0538
25 mph	0.0001	0.0000	0.0000	0.0005	0.0092	0.0073	0.0634	0.1726	0.2531
30 mph	0.0001	0.0000	0.0000	0.0005	0.0092	0.0073	0.0506	0.1375	0.2051
35 mph	0.0001	0.0000	0.0000	0.0004	0.0075	0.0060	0.0203	0.0565	0.0907
40 mph	0.0000	0.0000	0.0000	0.0001	0.0024	0.0019	0.0207	0.0572	0.0824
45 mph	0.0000	0.0000	0.0000	0.0001	0.0020	0.0015	0.0157	0.0432	0.0625
50 mph	0.0000	0.0000	0.0000	0.0001	0.0021	0.0016	0.0252	0.0680	0.0970
55 mph	0.0000	0.0000	0.0000	0.0001	0.0017	0.0013	0.0060	0.0162	0.0254
60 mph	0.0000	0.0000	0.0000	0.0002	0.0035	0.0026	0.0064	0.0172	0.0300
65 mph	0.0000	0.0000	0.0000	0.0000	0.0004	0.0003	-	-	0.0008
70 mph	-	-	-	-	-	-	-	-	-
total	0.0004	0.0000	0.0001	0.0025	0.0460	0.0362	0.2585	0.7181	1.0618

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0008	-	-	0.0018
15 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0005	-	-	0.0012
20 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	0.0238	0.0662	0.0910
25 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0008	0.0363	0.0990	0.1372
30 mph	0.0000	0.0000	0.0000	0.0001	0.0018	0.0014	0.0547	0.1487	0.2067
35 mph	0.0000	0.0000	0.0000	0.0002	0.0040	0.0032	0.0489	0.1357	0.1920
40 mph	0.0000	0.0000	0.0000	0.0002	0.0044	0.0034	0.0410	0.1134	0.1624
45 mph	0.0000	0.0000	0.0000	0.0001	0.0034	0.0026	0.0283	0.0779	0.1124
50 mph	0.0000	0.0000	0.0000	0.0002	0.0040	0.0031	0.0140	0.0377	0.0590
55 mph	0.0000	0.0000	0.0000	0.0001	0.0023	0.0018	0.0072	0.0195	0.0309
60 mph	0.0000	0.0000	0.0000	0.0001	0.0014	0.0011	0.5366	1.4479	1.9871
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0004	-	-	0.0009
70 mph	0.0001	0.0000	0.0000	0.0011	0.0226	0.0168	-	-	0.0406
total	0.0001	0.0000	0.0001	0.0021	0.0476	0.0363	0.7908	2.1461	3.0232

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0023	0.0026	0.0113	0.0194	0.0356
15 mph	0.0002	0.0000	0.0001	0.0001	0.0019	0.0015	0.0132	0.0378	0.0549
25 mph	-	-	-	-	0.0028	0.0022	0.0430	0.1171	0.1651
35 mph	0.0005	0.0000	0.0002	0.0002	-	-	-	-	0.0010
total	0.0008	0.0000	0.0003	0.0004	0.0070	0.0064	0.0675	0.1743	0.2566

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0023	0.0026	0.0113	0.0194	0.0356
10 mph	0.0000	0.0000	0.0000	0.0003	0.0057	0.0044	0.0295	0.0907	0.1306
15 mph	0.0002	0.0000	0.0001	0.0002	0.0038	0.0030	0.0209	0.0600	0.0883
20 mph	0.0000	0.0000	0.0000	0.0002	0.0026	0.0021	0.0370	0.1030	0.1448
25 mph	0.0001	0.0000	0.0000	0.0006	0.0129	0.0103	0.1427	0.3887	0.5554
30 mph	0.0001	0.0000	0.0000	0.0006	0.0110	0.0087	0.1053	0.2862	0.4118
35 mph	0.0006	0.0000	0.0002	0.0008	0.0116	0.0092	0.0692	0.1921	0.2837
40 mph	0.0000	0.0000	0.0000	0.0003	0.0068	0.0053	0.0617	0.1706	0.2448
45 mph	0.0000	0.0000	0.0000	0.0002	0.0054	0.0042	0.0440	0.1211	0.1749
50 mph	0.0000	0.0000	0.0000	0.0003	0.0061	0.0047	0.0391	0.1058	0.1560
55 mph	0.0000	0.0000	0.0000	0.0002	0.0041	0.0031	0.0131	0.0358	0.0563
60 mph	0.0000	0.0000	0.0000	0.0002	0.0049	0.0037	0.5430	1.4651	2.0171
65 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0007	-	-	0.0017
70 mph	0.0001	0.0000	0.0000	0.0011	0.0226	0.0168	-	-	0.0406
total	0.0013	0.0000	0.0005	0.0050	0.1007	0.0788	1.1168	3.0386	4.3416

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
15 mph								-	-
25 mph								-	-
35 mph								-	-
total	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0067	0.0039	0.0165	0.0195	0.0466
10 mph	0.0046	0.0004	0.0021	0.0115	0.0168	0.0083	0.0390	0.0908	0.1736
15 mph	0.0294	0.0026	0.0134	0.0093	0.0132	0.0063	0.0280	0.0601	0.1621
20 mph	0.0026	0.0002	0.0012	0.0065	0.0089	0.0043	0.0491	0.1031	0.1759
25 mph	0.0103	0.0009	0.0047	0.0248	0.0430	0.0208	0.1886	0.3891	0.6823
30 mph	0.0104	0.0009	0.0047	0.0258	0.0358	0.0173	0.1396	0.2865	0.5211
35 mph	0.0786	0.0069	0.0358	0.0352	0.0358	0.0176	0.0926	0.1923	0.4948
40 mph	0.0040	0.0004	0.0018	0.0134	0.0210	0.0103	0.0838	0.1708	0.3054
45 mph	0.0033	0.0003	0.0015	0.0109	0.0169	0.0082	0.0606	0.1212	0.2231
50 mph	0.0036	0.0003	0.0016	0.0121	0.0189	0.0091	0.0546	0.1059	0.2061
55 mph	0.0026	0.0002	0.0012	0.0082	0.0126	0.0061	0.0184	0.0358	0.0850
60 mph	0.0041	0.0004	0.0018	0.0108	0.0156	0.0074	0.7540	1.4668	2.2609
65 mph	0.0006	0.0001	0.0003	0.0020	0.0030	0.0014	-	-	0.0073
70 mph	0.0087	0.0008	0.0039	0.0427	0.0716	0.0338	-	-	0.1615
STREX	0.0011	0.0001	0.0005	0.0026	0.0002	0.0001	0.0002	0.0000	0.0048
total	0.1638	0.0144	0.0747	0.2155	0.3200	0.1549	1.5251	3.0419	**5.5104**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0005	0.0006	0.0006	0.0008	0.0002	0.0002	0.0004	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0011	0.0001	0.0005	0.0026	0.0002	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0011	0.0001	0.0005	0.0026	0.0002	0.0001	0.0002	0.0000

World Logistics Center
Mobile Emissions - 2026 (Net) - Mitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0386	0.0359	0.0341	0.0380
10 mph	0.0053	0.0069	0.0056	0.0056	0.0049	0.0045	0.0044	0.0049
15 mph	0.0035	0.0046	0.0037	0.0038	0.0033	0.0030	0.0029	0.0032
20 mph	0.0025	0.0033	0.0026	0.0026	0.0023	0.0021	0.0020	0.0023
25 mph	0.0018	0.0024	0.0019	0.0020	0.0017	0.0016	0.0015	0.0017
30 mph	0.0014	0.0019	0.0015	0.0015	0.0013	0.0012	0.0012	0.0013
35 mph	0.0012	0.0016	0.0012	0.0012	0.0011	0.0010	0.0010	0.0011
40 mph	0.0010	0.0014	0.0011	0.0011	0.0010	0.0009	0.0008	0.0010
45 mph	0.0009	0.0012	0.0010	0.0010	0.0009	0.0008	0.0008	0.0009
50 mph	0.0009	0.0012	0.0009	0.0010	0.0009	0.0008	0.0007	0.0009
55 mph	0.0009	0.0012	0.0010	0.0010	0.0009	0.0008	0.0007	0.0009
60 mph	0.0010	0.0013	0.0010	0.0010	0.0009	0.0008	0.0008	0.0009
65 mph	0.0011	0.0014	0.0012	0.0010	0.0011	0.0010		
70 mph	0.0012	0.0016	0.0012	0.0013	0.0011	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7943	0.8082	0.0073	0.0101
10 mph	0.0109	0.2771	0.0095	0.0076	0.0278	0.0339	0.0041	0.0111
15 mph	0.0088	0.2009	0.0081	0.0062	0.0210	0.0267	0.0032	0.0086
20 mph	0.0070	0.1537	0.0068	0.0051	0.0173	0.0221	0.0028	0.0061
25 mph	0.0057	0.1231	0.0058	0.0043	0.0144	0.0185	0.0026	0.0064
30 mph	0.0048	0.1033	0.0051	0.0038	0.0126	0.0162	0.0029	0.0070
35 mph	0.0042	0.0910	0.0046	0.0034	0.0115	0.0146	0.0035	0.0085
40 mph	0.0038	0.0834	0.0042	0.0031	0.0107	0.0135	0.0044	0.0109
45 mph	0.0036	0.0795	0.0039	0.0029	0.0101	0.0127	0.0058	0.0142
50 mph	0.0035	0.0798	0.0037	0.0028	0.0098	0.0122	0.0075	0.0182
55 mph	0.0035	0.0836	0.0035	0.0027	0.0096	0.0119	0.0096	0.0239
60 mph	0.0036	0.0913	0.0035	0.0027	0.0098	0.0120	0.0120	0.0295
65 mph	0.0038	0.1053	0.0035	0.0029	0.0111	0.0131		
70 mph	0.0038	0.1256	0.0037	0.0032	0.0171	0.0173		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0454
10 mph								0.0073
15 mph								0.0060
20 mph								0.0051
25 mph								0.0046
30 mph								0.0043
35 mph								0.0041
40 mph								0.0039
45 mph								0.0039
50 mph								0.0040
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0049	0.0005	0.0019	0.0079	0.0031	0.0009	0.0014	0.0000	0.0206
15 mph	0.0013	0.0001	0.0005	0.0021	0.0008	0.0002	0.0003	0.0000	0.0054
20 mph	0.0018	0.0002	0.0007	0.0030	0.0012	0.0003	0.0004	0.0000	0.0076
25 mph	0.0067	0.0007	0.0027	0.0109	0.0044	0.0012	0.0018	0.0000	0.0284
30 mph	0.0058	0.0006	0.0023	0.0093	0.0037	0.0010	0.0012	0.0000	0.0240
35 mph	0.0039	0.0004	0.0015	0.0063	0.0025	0.0007	0.0005	0.0000	0.0158
40 mph	0.0011	0.0001	0.0004	0.0018	0.0007	0.0002	0.0004	0.0000	0.0049
45 mph	0.0009	0.0001	0.0003	0.0014	0.0006	0.0002	0.0003	0.0000	0.0037
50 mph	0.0008	0.0001	0.0003	0.0013	0.0005	0.0001	0.0005	0.0000	0.0038
55 mph	0.0007	0.0001	0.0003	0.0011	0.0004	0.0001	0.0001	0.0000	0.0028
60 mph	0.0014	0.0001	0.0006	0.0023	0.0010	0.0003	0.0001	0.0000	0.0058
65 mph	0.0002	0.0000	0.0001	0.0003	0.0001	0.0000	-	-	0.0008
70 mph	-	-	-	-	-	-	-	-	-
total	0.0295	0.0030	0.0117	0.0477	0.0192	0.0053	0.0071	0.0001	0.1236

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0004	0.0000	0.0002	0.0014	0.0007	0.0002	-	-	0.0028
15 mph	0.0003	0.0000	0.0001	0.0009	0.0004	0.0001	-	-	0.0019
20 mph	0.0002	0.0000	0.0001	0.0006	0.0003	0.0001	0.0008	0.0000	0.0021
25 mph	0.0003	0.0000	0.0001	0.0009	0.0005	0.0001	0.0010	0.0000	0.0030
30 mph	0.0004	0.0000	0.0002	0.0015	0.0007	0.0002	0.0013	0.0000	0.0044
35 mph	0.0008	0.0001	0.0003	0.0027	0.0014	0.0004	0.0011	0.0000	0.0068
40 mph	0.0008	0.0001	0.0003	0.0026	0.0013	0.0004	0.0009	0.0000	0.0063
45 mph	0.0006	0.0001	0.0002	0.0019	0.0010	0.0003	0.0006	0.0000	0.0046
50 mph	0.0006	0.0001	0.0002	0.0021	0.0010	0.0003	0.0003	0.0000	0.0046
55 mph	0.0003	0.0000	0.0001	0.0012	0.0006	0.0002	0.0001	0.0000	0.0026
60 mph	0.0002	0.0000	0.0001	0.0008	0.0004	0.0001	0.0109	0.0001	0.0126
65 mph	0.0001	0.0000	0.0000	0.0003	0.0001	0.0000	-	-	0.0006
70 mph	0.0043	0.0004	0.0016	0.0140	0.0072	0.0019	-	-	0.0294
total	0.0092	0.0009	0.0036	0.0308	0.0156	0.0043	0.0171	0.0001	0.0816

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0031	0.0009	0.0013	0.0000	0.0053
15 mph	0.0257	0.0026	0.0102	0.0031	0.0013	0.0004	0.0005	0.0000	0.0439
25 mph	-	-	-	-	0.0013	0.0004	0.0012	0.0000	0.0029
35 mph	0.0368	0.0038	0.0146	0.0040	-	-	-	-	0.0592
total	0.0626	0.0063	0.0248	0.0071	0.0058	0.0016	0.0030	0.0000	0.1113

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0031	0.0009	0.0013	0.0000	0.0053
10 mph	0.0053	0.0005	0.0021	0.0092	0.0038	0.0011	0.0014	0.0000	0.0234
15 mph	0.0273	0.0027	0.0108	0.0061	0.0026	0.0007	0.0008	0.0000	0.0512
20 mph	0.0020	0.0002	0.0008	0.0036	0.0015	0.0004	0.0012	0.0000	0.0098
25 mph	0.0070	0.0007	0.0028	0.0119	0.0062	0.0017	0.0040	0.0000	0.0343
30 mph	0.0062	0.0006	0.0025	0.0108	0.0045	0.0012	0.0026	0.0000	0.0284
35 mph	0.0415	0.0042	0.0164	0.0130	0.0039	0.0011	0.0016	0.0000	0.0817
40 mph	0.0019	0.0002	0.0007	0.0044	0.0020	0.0006	0.0013	0.0000	0.0112
45 mph	0.0014	0.0001	0.0006	0.0033	0.0015	0.0004	0.0009	0.0000	0.0083
50 mph	0.0014	0.0001	0.0006	0.0034	0.0016	0.0004	0.0008	0.0000	0.0084
55 mph	0.0010	0.0001	0.0004	0.0023	0.0010	0.0003	0.0003	0.0000	0.0054
60 mph	0.0017	0.0002	0.0007	0.0031	0.0013	0.0004	0.0110	0.0001	0.0184
65 mph	0.0003	0.0000	0.0001	0.0005	0.0003	0.0001	-	-	0.0013
70 mph	0.0043	0.0004	0.0016	0.0140	0.0072	0.0019	-	-	0.0294
total	0.1014	0.0103	0.0401	0.0856	0.0406	0.0112	0.0272	0.0002	0.3164

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0003	0.0146	0.0124	0.0070	0.0353	0.0697
15 mph	0.0000	0.0000	0.0000	0.0001	0.0044	0.0039	0.0018	0.0091	0.0194
20 mph	0.0001	0.0000	0.0000	0.0002	0.0073	0.0065	0.0031	0.0128	0.0299
25 mph	0.0002	0.0000	0.0001	0.0007	0.0302	0.0270	0.0164	0.0748	0.1493
30 mph	0.0002	0.0000	0.0001	0.0006	0.0291	0.0260	0.0163	0.0741	0.1464
35 mph	0.0001	0.0000	0.0000	0.0005	0.0217	0.0193	0.0089	0.0404	0.0909
40 mph	0.0000	0.0000	0.0000	0.0001	0.0067	0.0059	0.0126	0.0577	0.0831
45 mph	0.0000	0.0000	0.0000	0.0001	0.0053	0.0046	0.0131	0.0602	0.0834
50 mph	0.0000	0.0000	0.0000	0.0001	0.0052	0.0045	0.0275	0.1256	0.1629
55 mph	0.0000	0.0000	0.0000	0.0001	0.0040	0.0035	0.0081	0.0380	0.0538
60 mph	0.0001	0.0000	0.0000	0.0002	0.0083	0.0070	0.0102	0.0469	0.0726
65 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0010	-	-	0.0022
70 mph	-	-	-	-	-	-	-	-	-
total	0.0010	0.0001	0.0003	0.0029	0.1379	0.1216	0.1249	0.5749	0.9635

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0031	0.0027	-	-	0.0059
15 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0021	-	-	0.0045
20 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0017	0.0056	0.0232	0.0325
25 mph	0.0000	0.0000	0.0000	0.0001	0.0032	0.0029	0.0094	0.0429	0.0585
30 mph	0.0000	0.0000	0.0000	0.0001	0.0057	0.0051	0.0176	0.0802	0.1086
35 mph	0.0000	0.0000	0.0000	0.0002	0.0116	0.0103	0.0213	0.0971	0.1406
40 mph	0.0000	0.0000	0.0000	0.0002	0.0120	0.0106	0.0249	0.1144	0.1622
45 mph	0.0000	0.0000	0.0000	0.0002	0.0091	0.0080	0.0236	0.1086	0.1494
50 mph	0.0000	0.0000	0.0000	0.0002	0.0099	0.0086	0.0153	0.0697	0.1037
55 mph	0.0000	0.0000	0.0000	0.0001	0.0054	0.0047	0.0097	0.0457	0.0656
60 mph	0.0000	0.0000	0.0000	0.0001	0.0033	0.0028	0.8552	3.9422	4.8036
65 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0010	-	-	0.0023
70 mph	0.0001	0.0000	0.0000	0.0010	0.0888	0.0625	-	-	0.1524
total	0.0003	0.0000	0.0001	0.0021	0.1578	0.1229	0.9826	4.5239	5.7898

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0533	0.0378	0.0014	0.0037	0.0963
15 mph	0.0007	0.0000	0.0002	0.0001	0.0071	0.0063	0.0031	0.0155	0.0330
25 mph	-	-	-	-	0.0092	0.0082	0.0111	0.0507	0.0793
35 mph	0.0014	0.0001	0.0004	0.0003	-	-	-	-	0.0022
total	0.0021	0.0001	0.0006	0.0004	0.0696	0.0523	0.0157	0.0699	0.2108

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0533	0.0378	0.0014	0.0037	0.0963
10 mph	0.0001	0.0000	0.0000	0.0003	0.0178	0.0151	0.0070	0.0353	0.0755
15 mph	0.0007	0.0000	0.0002	0.0003	0.0138	0.0123	0.0050	0.0246	0.0569
20 mph	0.0001	0.0000	0.0000	0.0002	0.0092	0.0082	0.0087	0.0360	0.0624
25 mph	0.0002	0.0000	0.0001	0.0007	0.0426	0.0382	0.0369	0.1684	0.2871
30 mph	0.0002	0.0000	0.0001	0.0007	0.0348	0.0311	0.0339	0.1543	0.2550
35 mph	0.0016	0.0001	0.0005	0.0010	0.0334	0.0296	0.0302	0.1375	0.2337
40 mph	0.0001	0.0000	0.0000	0.0003	0.0188	0.0165	0.0375	0.1721	0.2453
45 mph	0.0001	0.0000	0.0000	0.0003	0.0144	0.0126	0.0366	0.1689	0.2328
50 mph	0.0001	0.0000	0.0000	0.0003	0.0151	0.0131	0.0428	0.1952	0.2665
55 mph	0.0000	0.0000	0.0000	0.0002	0.0095	0.0081	0.0178	0.0837	0.1194
60 mph	0.0001	0.0000	0.0000	0.0002	0.0116	0.0099	0.8654	3.9891	4.8762
65 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0020	-	-	0.0044
70 mph	0.0001	0.0000	0.0000	0.0010	0.0888	0.0625	-	-	0.1524
total	0.0033	0.0002	0.0010	0.0055	0.3654	0.2969	1.1232	5.1687	6.9641

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0013	0.0013
15 mph								0.0004	0.0004
20 mph								0.0006	0.0006
25 mph								0.0031	0.0031
30 mph								0.0026	0.0026
35 mph								0.0011	0.0011
40 mph								0.0012	0.0012
45 mph								0.0010	0.0010
50 mph								0.0016	0.0016
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0128	0.0128

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0011	0.0011
25 mph								0.0018	0.0018
30 mph								0.0028	0.0028
35 mph								0.0027	0.0027
40 mph								0.0024	0.0024
45 mph								0.0017	0.0017
50 mph								0.0009	0.0009
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0083	0.0083

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0006	0.0006
25 mph								0.0021	0.0021
35 mph								-	-
total	-	-	-	-	-	-	-	0.0037	0.0037

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0013	0.0013
15 mph								0.0010	0.0010
20 mph								0.0017	0.0017
25 mph								0.0069	0.0069
30 mph								0.0054	0.0054
35 mph								0.0038	0.0038
40 mph								0.0036	0.0036
45 mph								0.0027	0.0027
50 mph								0.0025	0.0025
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0298	0.0298

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0565	0.0387	0.0027	0.0047	0.1026
10 mph	0.0054	0.0005	0.0021	0.0096	0.0216	0.0161	0.0084	0.0366	0.1003
15 mph	0.0280	0.0028	0.0110	0.0064	0.0165	0.0130	0.0058	0.0256	0.1090
20 mph	0.0021	0.0002	0.0008	0.0038	0.0107	0.0086	0.0100	0.0378	0.0739
25 mph	0.0072	0.0007	0.0028	0.0126	0.0488	0.0399	0.0409	0.1753	0.3283
30 mph	0.0064	0.0006	0.0025	0.0115	0.0392	0.0323	0.0364	0.1597	0.2889
35 mph	0.0431	0.0043	0.0169	0.0140	0.0372	0.0306	0.0317	0.1413	0.3191
40 mph	0.0020	0.0002	0.0008	0.0048	0.0208	0.0171	0.0388	0.1757	0.2601
45 mph	0.0015	0.0001	0.0006	0.0036	0.0159	0.0130	0.0375	0.1715	0.2437
50 mph	0.0015	0.0001	0.0006	0.0037	0.0167	0.0135	0.0436	0.1977	0.2774
55 mph	0.0011	0.0001	0.0004	0.0024	0.0105	0.0084	0.0181	0.0837	0.1248
60 mph	0.0017	0.0002	0.0007	0.0033	0.0129	0.0102	0.8764	3.9891	4.8946
65 mph	0.0003	0.0000	0.0001	0.0006	0.0027	0.0021	-	-	0.0058
70 mph	0.0044	0.0004	0.0017	0.0149	0.0960	0.0644	-	-	0.1818
STREX	0.0037	0.0004	0.0014	0.0058	0.0004	0.0001	0.0002	0.0000	0.0122
total	0.1085	0.0108	0.0425	0.0969	0.4064	0.3082	1.1506	5.1987	**7.3225**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0016	0.0021	0.0017	0.0017	0.0004	0.0003	0.0004	0.0006
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0037	0.0004	0.0014	0.0058	0.0004	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0037	0.0004	0.0014	0.0058	0.0004	0.0001	0.0002	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.8306	0.0629	0.3112	1.2506	1.0752	0.3747	0.7623	0.0030
Diesel	0.0086	0.0000	0.0025	0.0337	0.9292	0.7404	4.0244	5.0990
Electric/NG	0.0281	0.0010	0.0065	0.0252	-	-	-	0.2964
Total	0.8673	0.0640	0.3202	1.3095	2.0044	1.1151	4.7868	5.3984

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3435	0.0260	0.1287	1.0800	1.1528	0.4018	2.7486	0.0107
Diesel	0.0036	0.0000	0.0010	0.0291	0.9963	0.7938	14.5101	18.3847
Electric/NG	0.0116	0.0004	0.0027	0.0218	-	-	-	1.0686
Total	0.3586	0.0265	0.1324	1.1310	2.1491	1.1956	17.2587	19.4639

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.7465	0.1323	0.6544	0.1805	0.1000	0.0349	0.1398	0.0005
Diesel	0.0181	0.0000	0.0053	0.0049	0.0864	0.0689	0.7380	0.9351
Electric/NG	0.0590	0.0022	0.0137	0.0036	-	-	-	0.0544
Total	1.8236	0.1345	0.6734	0.1891	0.1865	0.1037	0.8778	0.9900

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	2.9206	0.2213	1.0943	2.5111	2.3281	0.8113	3.6507	0.0142	13.5516
Diesel	0.0303	0.0001	0.0088	0.0677	2.0119	1.6031	19.2726	24.4188	47.4133
Electric/NG	0.0987	0.0036	0.0230	0.0507	-	-	-	1.4193	1.5953
Total	3.0496	0.2250	1.1260	2.6296	4.3400	2.4144	22.9233	25.8523	**62.5602**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	40.4620
Internal	57.5216
Total	**97.9837**

World Logistics Center
Mobile Emissions - 2026 (Net) - Mitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0355	0.0330	0.0313	0.0350
10 mph	0.0048	0.0064	0.0051	0.0052	0.0045	0.0042	0.0040	0.0045
15 mph	0.0032	0.0043	0.0034	0.0035	0.0030	0.0028	0.0027	0.0030
20 mph	0.0023	0.0030	0.0024	0.0024	0.0021	0.0020	0.0019	0.0021
25 mph	0.0017	0.0022	0.0018	0.0018	0.0016	0.0014	0.0014	0.0016
30 mph	0.0013	0.0017	0.0014	0.0014	0.0012	0.0011	0.0011	0.0012
35 mph	0.0011	0.0014	0.0011	0.0011	0.0010	0.0009	0.0009	0.0010
40 mph	0.0009	0.0012	0.0010	0.0010	0.0009	0.0008	0.0008	0.0009
45 mph	0.0008	0.0011	0.0009	0.0009	0.0008	0.0007	0.0007	0.0008
50 mph	0.0008	0.0011	0.0009	0.0009	0.0008	0.0007	0.0007	0.0008
55 mph	0.0008	0.0011	0.0009	0.0009	0.0008	0.0007	0.0007	0.0008
60 mph	0.0009	0.0012	0.0009	0.0010	0.0009	0.0008	0.0007	0.0009
65 mph	0.0010	0.0013	0.0011	0.0011	0.0010	0.0009		
70 mph	0.0011	0.0015	0.0011	0.0012	0.0010	0.0009		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7600	0.7733	0.0070	0.0096
10 mph	0.0104	0.2651	0.0091	0.0073	0.0266	0.0324	0.0039	0.0106
15 mph	0.0084	0.1922	0.0077	0.0060	0.0201	0.0256	0.0031	0.0082
20 mph	0.0067	0.1471	0.0065	0.0049	0.0166	0.0212	0.0026	0.0058
25 mph	0.0055	0.1177	0.0055	0.0041	0.0137	0.0177	0.0025	0.0061
30 mph	0.0046	0.0988	0.0049	0.0036	0.0120	0.0155	0.0028	0.0067
35 mph	0.0040	0.0871	0.0044	0.0033	0.0110	0.0140	0.0033	0.0081
40 mph	0.0037	0.0798	0.0040	0.0030	0.0102	0.0129	0.0043	0.0104
45 mph	0.0035	0.0761	0.0037	0.0028	0.0096	0.0121	0.0055	0.0136
50 mph	0.0034	0.0763	0.0035	0.0027	0.0094	0.0117	0.0072	0.0174
55 mph	0.0033	0.0800	0.0034	0.0026	0.0092	0.0114	0.0091	0.0229
60 mph	0.0034	0.0873	0.0033	0.0026	0.0094	0.0115	0.0115	0.0282
65 mph	0.0036	0.1008	0.0034	0.0028	0.0106	0.0125		
70 mph	0.0037	0.1202	0.0035	0.0031	0.0164	0.0166		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0435
10 mph								0.0070
15 mph								0.0058
20 mph								0.0049
25 mph								0.0044
30 mph								0.0041
35 mph								0.0039
40 mph								0.0038
45 mph								0.0038
50 mph								0.0038
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0045	0.0004	0.0018	0.0072	0.0029	0.0008	0.0013	0.0000	0.0190
15 mph	0.0012	0.0001	0.0005	0.0019	0.0008	0.0002	0.0003	0.0000	0.0050
20 mph	0.0017	0.0002	0.0007	0.0027	0.0011	0.0003	0.0004	0.0000	0.0070
25 mph	0.0062	0.0006	0.0025	0.0100	0.0040	0.0011	0.0016	0.0000	0.0261
30 mph	0.0053	0.0005	0.0021	0.0086	0.0034	0.0010	0.0011	0.0000	0.0221
35 mph	0.0036	0.0004	0.0014	0.0058	0.0023	0.0006	0.0004	0.0000	0.0145
40 mph	0.0010	0.0001	0.0004	0.0017	0.0007	0.0002	0.0004	0.0000	0.0045
45 mph	0.0008	0.0001	0.0003	0.0013	0.0005	0.0001	0.0003	0.0000	0.0034
50 mph	0.0008	0.0001	0.0003	0.0012	0.0005	0.0001	0.0005	0.0000	0.0035
55 mph	0.0006	0.0001	0.0002	0.0010	0.0004	0.0001	0.0001	0.0000	0.0026
60 mph	0.0013	0.0001	0.0005	0.0021	0.0009	0.0002	0.0001	0.0000	0.0054
65 mph	0.0002	0.0000	0.0001	0.0003	0.0001	0.0000	-	-	0.0007
70 mph	-	-	-	-	-	-	-	-	-
total	0.0272	0.0027	0.0107	0.0439	0.0176	0.0049	0.0066	0.0001	0.1137

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0004	0.0000	0.0001	0.0013	0.0006	0.0002	-	-	0.0026
15 mph	0.0002	0.0000	0.0001	0.0008	0.0004	0.0001	-	-	0.0017
20 mph	0.0002	0.0000	0.0001	0.0006	0.0003	0.0001	0.0007	0.0000	0.0019
25 mph	0.0003	0.0000	0.0001	0.0009	0.0004	0.0001	0.0009	0.0000	0.0027
30 mph	0.0004	0.0000	0.0002	0.0013	0.0007	0.0002	0.0012	0.0000	0.0041
35 mph	0.0007	0.0001	0.0003	0.0025	0.0012	0.0003	0.0010	0.0000	0.0062
40 mph	0.0007	0.0001	0.0003	0.0024	0.0012	0.0003	0.0008	0.0000	0.0058
45 mph	0.0005	0.0001	0.0002	0.0018	0.0009	0.0002	0.0005	0.0000	0.0042
50 mph	0.0006	0.0001	0.0002	0.0019	0.0010	0.0003	0.0003	0.0000	0.0042
55 mph	0.0003	0.0000	0.0001	0.0011	0.0005	0.0001	0.0001	0.0000	0.0024
60 mph	0.0002	0.0000	0.0001	0.0007	0.0004	0.0001	0.0100	0.0001	0.0116
65 mph	0.0001	0.0000	0.0000	0.0003	0.0001	0.0000	-	-	0.0005
70 mph	0.0039	0.0004	0.0015	0.0128	0.0066	0.0018	-	-	0.0270
total	0.0085	0.0009	0.0033	0.0283	0.0143	0.0039	0.0157	0.0001	0.0750

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0029	0.0008	0.0012	0.0000	0.0049
15 mph	0.0237	0.0024	0.0094	0.0028	0.0012	0.0003	0.0005	0.0000	0.0403
25 mph	-	-	-	-	0.0012	0.0003	0.0011	0.0000	0.0027
35 mph	0.0339	0.0034	0.0134	0.0037	-	-	-	-	0.0544
total	0.0575	0.0058	0.0228	0.0065	0.0053	0.0015	0.0028	0.0000	0.1023

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0029	0.0008	0.0012	0.0000	0.0049
10 mph	0.0049	0.0005	0.0019	0.0085	0.0035	0.0010	0.0013	0.0000	0.0215
15 mph	0.0251	0.0025	0.0100	0.0056	0.0024	0.0007	0.0008	0.0000	0.0471
20 mph	0.0018	0.0002	0.0007	0.0033	0.0014	0.0004	0.0011	0.0000	0.0090
25 mph	0.0064	0.0007	0.0026	0.0109	0.0057	0.0016	0.0037	0.0000	0.0315
30 mph	0.0057	0.0006	0.0023	0.0099	0.0041	0.0011	0.0024	0.0000	0.0262
35 mph	0.0382	0.0039	0.0151	0.0119	0.0036	0.0010	0.0014	0.0000	0.0751
40 mph	0.0017	0.0002	0.0007	0.0041	0.0019	0.0005	0.0012	0.0000	0.0103
45 mph	0.0013	0.0001	0.0005	0.0030	0.0014	0.0004	0.0008	0.0000	0.0076
50 mph	0.0013	0.0001	0.0005	0.0031	0.0015	0.0004	0.0007	0.0000	0.0077
55 mph	0.0009	0.0001	0.0004	0.0021	0.0010	0.0003	0.0002	0.0000	0.0049
60 mph	0.0015	0.0002	0.0006	0.0028	0.0012	0.0003	0.0101	0.0001	0.0169
65 mph	0.0003	0.0000	0.0001	0.0006	0.0003	0.0001	-	-	0.0013
70 mph	0.0039	0.0004	0.0015	0.0128	0.0066	0.0018	-	-	0.0270
total	0.0932	0.0094	0.0369	0.0787	0.0373	0.0103	0.0250	0.0002	0.2910

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0003	0.0140	0.0119	0.0067	0.0338	0.0667
15 mph	0.0000	0.0000	0.0000	0.0001	0.0042	0.0037	0.0018	0.0087	0.0185
20 mph	0.0001	0.0000	0.0000	0.0001	0.0070	0.0062	0.0030	0.0123	0.0286
25 mph	0.0002	0.0000	0.0001	0.0006	0.0289	0.0259	0.0157	0.0715	0.1429
30 mph	0.0002	0.0000	0.0001	0.0006	0.0278	0.0249	0.0156	0.0709	0.1401
35 mph	0.0001	0.0000	0.0000	0.0004	0.0208	0.0184	0.0085	0.0386	0.0870
40 mph	0.0000	0.0000	0.0000	0.0001	0.0064	0.0057	0.0120	0.0552	0.0795
45 mph	0.0000	0.0000	0.0000	0.0001	0.0051	0.0044	0.0125	0.0576	0.0798
50 mph	0.0000	0.0000	0.0000	0.0001	0.0049	0.0043	0.0263	0.1201	0.1558
55 mph	0.0000	0.0000	0.0000	0.0001	0.0039	0.0033	0.0078	0.0364	0.0514
60 mph	0.0001	0.0000	0.0000	0.0002	0.0079	0.0067	0.0097	0.0448	0.0694
65 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0009	-	-	0.0021
70 mph	-	-	-	-	-	-	-	-	-
total	0.0009	0.0001	0.0003	0.0028	0.1320	0.1164	0.1195	0.5500	0.9218

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0030	0.0025	-	-	0.0056
15 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0020	-	-	0.0043
20 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0017	0.0054	0.0222	0.0311
25 mph	0.0000	0.0000	0.0000	0.0001	0.0031	0.0028	0.0090	0.0410	0.0560
30 mph	0.0000	0.0000	0.0000	0.0001	0.0054	0.0049	0.0168	0.0767	0.1039
35 mph	0.0000	0.0000	0.0000	0.0002	0.0111	0.0099	0.0204	0.0929	0.1345
40 mph	0.0000	0.0000	0.0000	0.0002	0.0115	0.0101	0.0239	0.1094	0.1552
45 mph	0.0000	0.0000	0.0000	0.0001	0.0087	0.0076	0.0225	0.1039	0.1429
50 mph	0.0000	0.0000	0.0000	0.0002	0.0095	0.0082	0.0146	0.0666	0.0992
55 mph	0.0000	0.0000	0.0000	0.0001	0.0052	0.0045	0.0093	0.0437	0.0628
60 mph	0.0000	0.0000	0.0000	0.0001	0.0032	0.0027	0.8182	3.7717	4.5958
65 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0010	-	-	0.0022
70 mph	0.0001	0.0000	0.0000	0.0009	0.0850	0.0598	-	-	0.1458
total	0.0003	0.0000	0.0001	0.0020	0.1510	0.1176	0.9401	4.3282	5.5393

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0510	0.0362	0.0014	0.0036	0.0922
15 mph	0.0006	0.0000	0.0002	0.0001	0.0068	0.0060	0.0030	0.0148	0.0316
25 mph	-	-	-	-	0.0088	0.0079	0.0106	0.0485	0.0759
35 mph	0.0013	0.0001	0.0004	0.0003	-	-	-	-	0.0021
total	0.0020	0.0001	0.0006	0.0004	0.0666	0.0501	0.0150	0.0669	0.2017

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0510	0.0362	0.0014	0.0036	0.0922
10 mph	0.0001	0.0000	0.0000	0.0003	0.0170	0.0144	0.0067	0.0338	0.0723
15 mph	0.0007	0.0000	0.0002	0.0003	0.0132	0.0118	0.0048	0.0235	0.0544
20 mph	0.0001	0.0000	0.0000	0.0002	0.0088	0.0079	0.0084	0.0344	0.0597
25 mph	0.0002	0.0000	0.0001	0.0007	0.0408	0.0365	0.0353	0.1611	0.2747
30 mph	0.0002	0.0000	0.0001	0.0007	0.0333	0.0297	0.0324	0.1476	0.2440
35 mph	0.0015	0.0001	0.0005	0.0009	0.0319	0.0283	0.0288	0.1315	0.2236
40 mph	0.0001	0.0000	0.0000	0.0003	0.0179	0.0158	0.0359	0.1646	0.2347
45 mph	0.0001	0.0000	0.0000	0.0003	0.0137	0.0120	0.0350	0.1616	0.2227
50 mph	0.0001	0.0000	0.0000	0.0003	0.0144	0.0125	0.0409	0.1868	0.2550
55 mph	0.0000	0.0000	0.0000	0.0002	0.0091	0.0078	0.0171	0.0801	0.1142
60 mph	0.0001	0.0000	0.0000	0.0002	0.0111	0.0094	0.8279	3.8165	4.6653
65 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0019	-	-	0.0043
70 mph	0.0001	0.0000	0.0000	0.0009	0.0850	0.0598	-	-	0.1458
total	0.0032	0.0002	0.0009	0.0052	0.3496	0.2840	1.0746	4.9451	6.6628

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0013	0.0013
15 mph								0.0003	0.0003
20 mph								0.0006	0.0006
25 mph								0.0029	0.0029
30 mph								0.0025	0.0025
35 mph								0.0011	0.0011
40 mph								0.0011	0.0011
45 mph								0.0009	0.0009
50 mph								0.0015	0.0015
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0123	0.0123

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0011	0.0011
25 mph								0.0017	0.0017
30 mph								0.0027	0.0027
35 mph								0.0025	0.0025
40 mph								0.0023	0.0023
45 mph								0.0016	0.0016
50 mph								0.0008	0.0008
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0080	0.0080

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
15 mph								0.0006	0.0006
25 mph								0.0020	0.0020
35 mph								-	-
total	-	-	-	-	-	-	-	0.0035	0.0035

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
10 mph								0.0013	0.0013
15 mph								0.0009	0.0009
20 mph								0.0017	0.0017
25 mph								0.0066	0.0066
30 mph								0.0052	0.0052
35 mph								0.0036	0.0036
40 mph								0.0034	0.0034
45 mph								0.0026	0.0026
50 mph								0.0023	0.0023
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0285	0.0285

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0539	0.0370	0.0026	0.0045	0.0980
10 mph	0.0050	0.0005	0.0020	0.0088	0.0205	0.0154	0.0079	0.0350	0.0951
15 mph	0.0258	0.0026	0.0101	0.0058	0.0157	0.0124	0.0055	0.0244	0.1024
20 mph	0.0019	0.0002	0.0007	0.0035	0.0102	0.0082	0.0095	0.0361	0.0704
25 mph	0.0067	0.0007	0.0026	0.0116	0.0464	0.0381	0.0390	0.1677	0.3128
30 mph	0.0059	0.0006	0.0023	0.0106	0.0374	0.0309	0.0348	0.1528	0.2753
35 mph	0.0397	0.0040	0.0156	0.0129	0.0355	0.0293	0.0303	0.1351	0.3023
40 mph	0.0018	0.0002	0.0007	0.0044	0.0198	0.0163	0.0371	0.1681	0.2484
45 mph	0.0014	0.0001	0.0005	0.0033	0.0151	0.0124	0.0359	0.1641	0.2329
50 mph	0.0014	0.0001	0.0005	0.0034	0.0159	0.0129	0.0417	0.1891	0.2651
55 mph	0.0010	0.0001	0.0004	0.0022	0.0100	0.0081	0.0173	0.0801	0.1192
60 mph	0.0016	0.0002	0.0006	0.0030	0.0123	0.0098	0.8381	3.8166	4.6822
65 mph	0.0003	0.0000	0.0001	0.0006	0.0026	0.0020	-	-	0.0055
70 mph	0.0040	0.0004	0.0016	0.0138	0.0915	0.0615	-	-	0.1728
STREX	0.0034	0.0003	0.0013	0.0054	0.0004	0.0001	0.0002	0.0000	0.0112
total	0.0998	0.0099	0.0391	0.0893	0.3873	0.2944	1.0998	4.9738	**6.9935**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0015	0.0019	0.0015	0.0016	0.0003	0.0003	0.0004	0.0006
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0034	0.0003	0.0013	0.0054	0.0004	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0034	0.0003	0.0013	0.0054	0.0004	0.0001	0.0002	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3295	0.0250	0.1234	0.4960	0.4426	0.1551	0.3152	0.0011
Diesel	0.0034	0.0000	0.0010	0.0134	0.3757	0.3016	1.6642	1.8499
Electric/NG	0.0111	0.0004	0.0026	0.0100	-	-	-	0.1075
Total	0.3440	0.0254	0.1270	0.5194	0.8183	0.4567	1.9794	1.9586

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1362	0.0103	0.0510	0.4284	0.4746	0.1663	1.1366	0.0041
Diesel	0.0014	0.0000	0.0004	0.0116	0.4028	0.3234	6.0002	6.6699
Electric/NG	0.0046	0.0002	0.0011	0.0086	-	-	-	0.3877
Total	0.1423	0.0105	0.0525	0.4486	0.8774	0.4897	7.1368	7.0617

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.6927	0.0525	0.2596	0.0716	0.0412	0.0144	0.0578	0.0002
Diesel	0.0072	0.0000	0.0021	0.0019	0.0350	0.0281	0.3052	0.3393
Electric/NG	0.0234	0.0009	0.0054	0.0014	-	-	-	0.0197
Total	0.7233	0.0534	0.2671	0.0750	0.0761	0.0425	0.3630	0.3592

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	1.1584	0.0878	0.4340	0.9960	0.9584	0.3358	1.5096	0.0055	5.4855
Diesel	0.0120	0.0000	0.0035	0.0269	0.8135	0.6531	7.9695	8.8591	18.3377
Electric/NG	0.0392	0.0014	0.0091	0.0201	-	-	-	0.5149	0.5847
Total	1.2096	0.0892	0.4466	1.0430	1.7719	0.9889	9.4792	9.3795	**24.4079**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	9.9316
Internal	14.1189
Total	**24.0505**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0415	0.0285	0.0020	0.0035	0.0754
10 mph	0.0032	0.0003	0.0012	0.0056	0.0158	0.0119	0.0061	0.0270	0.0711
15 mph	0.0165	0.0016	0.0065	0.0037	0.0121	0.0096	0.0043	0.0188	0.0731
20 mph	0.0012	0.0001	0.0005	0.0022	0.0079	0.0063	0.0073	0.0278	0.0534
25 mph	0.0043	0.0004	0.0017	0.0074	0.0358	0.0293	0.0300	0.1292	0.2381
30 mph	0.0038	0.0004	0.0015	0.0068	0.0288	0.0238	0.0268	0.1177	0.2094
35 mph	0.0254	0.0025	0.0100	0.0082	0.0273	0.0225	0.0233	0.1041	0.2234
40 mph	0.0012	0.0001	0.0005	0.0028	0.0153	0.0126	0.0286	0.1294	0.1903
45 mph	0.0009	0.0001	0.0003	0.0021	0.0117	0.0096	0.0276	0.1264	0.1786
50 mph	0.0009	0.0001	0.0003	0.0022	0.0122	0.0099	0.0321	0.1456	0.2034
55 mph	0.0006	0.0001	0.0002	0.0014	0.0077	0.0062	0.0133	0.0617	0.0913
60 mph	0.0010	0.0001	0.0004	0.0019	0.0095	0.0075	0.6453	2.9388	3.6046
65 mph	0.0002	0.0000	0.0001	0.0004	0.0020	0.0015	-	-	0.0041
70 mph	0.0026	0.0003	0.0010	0.0088	0.0705	0.0474	-	-	0.1305
total	0.0617	0.0062	0.0242	0.0537	0.2979	0.2266	0.8467	3.8298	5.3468

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2026 (Net) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	1,749	2.40	0.32	0.0005	0.8	0.0019	3.3
2	L	2,458	2.40	0.32	0.0005	1.1	0.0019	4.7
3	L	2,331	2.40	0.32	0.0005	1.1	0.0019	4.4
5	L	3,769	2.40	0.32	0.0005	1.8	0.0019	7.2
6	L	7,556	2.40	0.32	0.0005	3.5	0.0019	14.4
8	L	5,633	2.40	0.32	0.0005	2.6	0.0019	10.7
11	L	(1,135)	2.40	0.32	0.0005	-0.5	0.0019	-2.2
12	L	(1,730)	2.40	0.32	0.0005	-0.8	0.0019	-3.3
14	L	(927)	2.40	0.32	0.0005	-0.4	0.0019	-1.8
18	L	979	2.40	0.32	0.0005	0.5	0.0019	1.9
19	L	4,665	2.40	0.32	0.0005	2.2	0.0019	8.9
21	L	2,397	2.40	0.32	0.0005	1.1	0.0019	4.6
24	L	5,391	2.40	0.32	0.0005	2.5	0.0019	10.3
30	L	(5,295)	2.40	0.32	0.0005	-2.5	0.0019	-10.1
29	L	2,535	2.40	0.32	0.0005	1.2	0.0019	4.8
31	L	(182)	2.40	0.32	0.0005	-0.1	0.0019	-0.3
TOTAL						14.1		57.5

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2026 (Net) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	82,244	2.40	0.032	0.0001	4.73	0.0002	19.28
Freeway	F	180,119	2.40	0.015	0.0000	5.20	0.0001	21.19
TOTAL		262,363				9.93		40.46

World Logistics Center
Mobile Emissions - 2026 (Net) - Mitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0056	0.0095	0.0078	0.0092	0.0125	0.0141	0.0224	0.2034
15 mph	0.0049	0.0083	0.0068	0.0080	0.0110	0.0124	0.0198	0.1797
20 mph	0.0044	0.0074	0.0061	0.0072	0.0101	0.0112	0.0179	0.1626
25 mph	0.0040	0.0067	0.0055	0.0065	0.0093	0.0102	0.0162	0.1491
30 mph	0.0037	0.0061	0.0051	0.0060	0.0087	0.0095	0.0149	0.1392
35 mph	0.0035	0.0058	0.0048	0.0057	0.0084	0.0090	0.0139	0.1321
40 mph	0.0033	0.0055	0.0046	0.0054	0.0081	0.0087	0.0134	0.1268
45 mph	0.0032	0.0054	0.0044	0.0053	0.0079	0.0084	0.0129	0.1235
50 mph	0.0032	0.0054	0.0044	0.0053	0.0079	0.0083	0.0127	0.1225
55 mph	0.0032	0.0055	0.0045	0.0054	0.0081	0.0085	0.0129	0.1242
60 mph	0.0034	0.0058	0.0047	0.0056	0.0084	0.0088	0.0134	0.1283
65 mph	0.0035	0.0062	0.0049	0.0059	0.0088	0.0092	0.0141	0.1341
70 mph	0.0037	0.0070	0.0051	0.0064	0.0098	0.0094	0.0140	0.1433

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0605	0.1325	0.0816	0.1016	0.1474	0.1649	0.2886	0.4339
15 mph	0.0497	0.1102	0.0676	0.0860	0.0959	0.1093	0.2271	0.3369
20 mph	0.0408	0.0905	0.0556	0.0714	0.0818	0.0934	0.1939	0.2850
25 mph	0.0342	0.0756	0.0466	0.0605	0.0726	0.0832	0.1693	0.2426
30 mph	0.0296	0.0651	0.0403	0.0524	0.0660	0.0751	0.1486	0.2128
35 mph	0.0268	0.0583	0.0364	0.0477	0.0661	0.0753	0.1327	0.1902
40 mph	0.0251	0.0543	0.0339	0.0446	0.0644	0.0727	0.1216	0.1746
45 mph	0.0242	0.0525	0.0327	0.0429	0.0629	0.0699	0.1152	0.1657
50 mph	0.0243	0.0525	0.0328	0.0432	0.0660	0.0725	0.1136	0.1626
55 mph	0.0254	0.0549	0.0342	0.0456	0.0689	0.0750	0.1169	0.1694
60 mph	0.0276	0.0594	0.0371	0.0494	0.0695	0.0752	0.1249	0.1796
65 mph	0.0310	0.0663	0.0416	0.0556	0.0706	0.0757	0.1377	0.1948
70 mph	0.0339	0.0691	0.0444	0.0609	0.0725	0.0776	0.1389	0.1974

*Idling - US EPA Emission Factors for Greenhouse Gas Inventories.
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.9356
15 mph								0.7851
20 mph								0.6852
25 mph								0.6311
30 mph								0.5965
35 mph								0.5690
40 mph								0.5466
45 mph								0.5277
50 mph								0.5116
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0052	0.0007	0.0027	0.0128	0.0080	0.0027	0.0072	0.0004	0.0397
15 mph	0.0018	0.0002	0.0009	0.0045	0.0028	0.0010	0.0021	0.0001	0.0135
20 mph	0.0033	0.0004	0.0017	0.0080	0.0051	0.0017	0.0038	0.0002	0.0243
25 mph	0.0148	0.0019	0.0077	0.0364	0.0237	0.0079	0.0191	0.0012	0.1127
30 mph	0.0151	0.0019	0.0078	0.0371	0.0245	0.0081	0.0160	0.0010	0.1115
35 mph	0.0117	0.0015	0.0060	0.0287	0.0192	0.0063	0.0067	0.0004	0.0804
40 mph	0.0037	0.0005	0.0019	0.0091	0.0062	0.0020	0.0072	0.0005	0.0310
45 mph	0.0030	0.0004	0.0015	0.0074	0.0050	0.0016	0.0055	0.0004	0.0248
50 mph	0.0030	0.0004	0.0015	0.0073	0.0050	0.0016	0.0089	0.0006	0.0283
55 mph	0.0024	0.0003	0.0012	0.0060	0.0041	0.0013	0.0021	0.0001	0.0176
60 mph	0.0050	0.0007	0.0026	0.0125	0.0085	0.0027	0.0021	0.0001	0.0343
65 mph	0.0007	0.0001	0.0003	0.0017	0.0011	0.0004	-	-	0.0042
70 mph	-	-	-	-	-	-	-	-	-
total	0.0696	0.0088	0.0360	0.1715	0.1132	0.0373	0.0807	0.0051	0.5223

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0004	0.0001	0.0002	0.0022	0.0017	0.0006	-	-	0.0052
15 mph	0.0004	0.0000	0.0002	0.0019	0.0015	0.0005	-	-	0.0046
20 mph	0.0003	0.0000	0.0002	0.0017	0.0014	0.0005	0.0069	0.0004	0.0115
25 mph	0.0006	0.0001	0.0003	0.0031	0.0025	0.0008	0.0110	0.0007	0.0192
30 mph	0.0011	0.0001	0.0006	0.0058	0.0048	0.0016	0.0173	0.0011	0.0324
35 mph	0.0024	0.0003	0.0012	0.0124	0.0103	0.0034	0.0162	0.0010	0.0472
40 mph	0.0026	0.0003	0.0013	0.0131	0.0110	0.0036	0.0142	0.0009	0.0471
45 mph	0.0020	0.0003	0.0010	0.0102	0.0086	0.0028	0.0099	0.0006	0.0355
50 mph	0.0022	0.0003	0.0011	0.0114	0.0097	0.0031	0.0049	0.0003	0.0331
55 mph	0.0012	0.0002	0.0006	0.0065	0.0055	0.0017	0.0025	0.0002	0.0184
60 mph	0.0008	0.0001	0.0004	0.0041	0.0034	0.0011	0.1808	0.0117	0.2024
65 mph	0.0003	0.0000	0.0001	0.0014	0.0012	0.0004	-	-	0.0035
70 mph	0.0131	0.0019	0.0068	0.0708	0.0617	0.0179	-	-	0.1722
total	0.0274	0.0037	0.0142	0.1447	0.1234	0.0380	0.2637	0.0170	0.6322

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0011	0.0003	0.0005	0.0000	0.0019
15 mph	0.0360	0.0046	0.0187	0.0065	0.0045	0.0015	0.0036	0.0002	0.0757
25 mph	-	-	-	-	0.0072	0.0024	0.0130	0.0008	0.0234
35 mph	0.1108	0.0139	0.0568	0.0183	-	-	-	-	0.1999
total	0.1467	0.0185	0.0756	0.0249	0.0128	0.0043	0.0171	0.0010	0.3009

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0011	0.0003	0.0005	0.0000	0.0019
10 mph	0.0056	0.0007	0.0029	0.0150	0.0097	0.0033	0.0072	0.0004	0.0449
15 mph	0.0381	0.0049	0.0199	0.0129	0.0088	0.0030	0.0057	0.0004	0.0938
20 mph	0.0036	0.0005	0.0019	0.0097	0.0065	0.0022	0.0108	0.0007	0.0358
25 mph	0.0155	0.0019	0.0080	0.0395	0.0334	0.0112	0.0431	0.0027	0.1553
30 mph	0.0163	0.0020	0.0084	0.0429	0.0292	0.0097	0.0333	0.0021	0.1439
35 mph	0.1249	0.0157	0.0641	0.0594	0.0295	0.0096	0.0229	0.0015	0.3275
40 mph	0.0063	0.0008	0.0032	0.0223	0.0172	0.0056	0.0213	0.0014	0.0781
45 mph	0.0050	0.0006	0.0026	0.0176	0.0137	0.0044	0.0155	0.0010	0.0603
50 mph	0.0052	0.0007	0.0027	0.0188	0.0147	0.0047	0.0138	0.0009	0.0614
55 mph	0.0036	0.0005	0.0019	0.0124	0.0096	0.0031	0.0046	0.0003	0.0360
60 mph	0.0058	0.0008	0.0030	0.0166	0.0119	0.0038	0.1830	0.0119	0.2367
65 mph	0.0009	0.0001	0.0005	0.0031	0.0023	0.0007	-	-	0.0077
70 mph	0.0131	0.0019	0.0068	0.0708	0.0617	0.0179	-	-	0.1722
total	0.2438	0.0311	0.1258	0.3411	0.2495	0.0795	0.3616	0.0232	1.4555

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0002	0.0038	0.0774	0.0603	0.4896	1.3800	2.0120
15 mph	0.0002	0.0000	0.0001	0.0013	0.0201	0.0160	0.1284	0.3572	0.5233
20 mph	0.0003	0.0000	0.0001	0.0022	0.0344	0.0273	0.2193	0.6043	0.8879
25 mph	0.0013	0.0000	0.0005	0.0091	0.1525	0.1218	1.0528	2.8288	4.1669
30 mph	0.0013	0.0000	0.0005	0.0087	0.1525	0.1210	0.8401	2.2563	3.3803
35 mph	0.0009	0.0000	0.0004	0.0065	0.1251	0.0992	0.3376	0.9074	1.4771
40 mph	0.0003	0.0000	0.0001	0.0020	0.0406	0.0319	0.3437	0.9253	1.3439
45 mph	0.0002	0.0000	0.0001	0.0016	0.0330	0.0256	0.2605	0.7025	1.0236
50 mph	0.0002	0.0000	0.0001	0.0016	0.0347	0.0265	0.4177	1.1205	1.6013
55 mph	0.0002	0.0000	0.0001	0.0014	0.0289	0.0219	0.0992	0.2694	0.4211
60 mph	0.0004	0.0000	0.0002	0.0030	0.0584	0.0440	0.1060	0.2856	0.4976
65 mph	0.0001	0.0000	0.0000	0.0004	0.0074	0.0055	-	-	0.0135
70 mph	-	-	-	-	-	-	-	-	-
total	0.0060	0.0000	0.0024	0.0416	0.7651	0.6011	4.2950	11.6372	17.3484

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0007	0.0166	0.0129	-	-	0.0303
15 mph	0.0000	0.0000	0.0000	0.0006	0.0108	0.0086	-	-	0.0200
20 mph	0.0000	0.0000	0.0000	0.0005	0.0092	0.0073	0.3954	1.0893	1.5018
25 mph	0.0001	0.0000	0.0000	0.0008	0.0163	0.0131	0.6039	1.6226	2.2568
30 mph	0.0001	0.0000	0.0000	0.0014	0.0297	0.0236	0.9087	2.4405	3.4041
35 mph	0.0002	0.0000	0.0001	0.0028	0.0671	0.0532	0.8116	2.1810	3.1159
40 mph	0.0002	0.0000	0.0001	0.0029	0.0726	0.0570	0.6815	1.8348	2.6491
45 mph	0.0002	0.0000	0.0001	0.0022	0.0567	0.0439	0.4697	1.2665	1.8391
50 mph	0.0002	0.0000	0.0001	0.0025	0.0669	0.0512	0.2317	0.6215	0.9741
55 mph	0.0001	0.0000	0.0000	0.0015	0.0388	0.0294	0.1192	0.3237	0.5127
60 mph	0.0001	0.0000	0.0000	0.0010	0.0235	0.0177	8.9151	24.0251	32.9824
65 mph	0.0000	0.0000	0.0000	0.0004	0.0080	0.0059	-	-	0.0143
70 mph	0.0012	0.0000	0.0005	0.0182	0.3756	0.2800	-	-	0.6756
total	0.0024	0.0000	0.0009	0.0353	0.7917	0.6038	13.1368	35.4051	49.9761

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0003	0.0002	0.0009	0.0018	0.0033
15 mph	0.0038	0.0000	0.0015	0.0019	0.0323	0.0257	0.2190	0.6093	0.8935
25 mph	-	-	-	-	0.0465	0.0371	0.7144	1.9195	2.7174
35 mph	0.0088	0.0000	0.0035	0.0041	-	-	-	-	0.0165
total	0.0126	0.0001	0.0050	0.0060	0.0791	0.0630	0.9343	2.5305	3.6306

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0003	0.0002	0.0009	0.0018	0.0033
10 mph	0.0006	0.0000	0.0002	0.0045	0.0941	0.0733	0.4896	1.3800	2.0423
15 mph	0.0040	0.0000	0.0016	0.0037	0.0633	0.0502	0.3474	0.9665	1.4368
20 mph	0.0003	0.0000	0.0001	0.0026	0.0436	0.0347	0.6148	1.6936	2.3897
25 mph	0.0014	0.0000	0.0005	0.0099	0.2153	0.1719	2.3711	6.3709	9.1411
30 mph	0.0013	0.0000	0.0005	0.0101	0.1822	0.1445	1.7489	4.6968	6.7844
35 mph	0.0099	0.0001	0.0039	0.0134	0.1921	0.1524	1.1492	3.0884	4.6094
40 mph	0.0005	0.0000	0.0002	0.0049	0.1132	0.0889	1.0252	2.7601	3.9930
45 mph	0.0004	0.0000	0.0002	0.0039	0.0897	0.0694	0.7302	1.9690	2.8627
50 mph	0.0004	0.0000	0.0002	0.0042	0.1015	0.0777	0.6494	1.7420	2.5754
55 mph	0.0003	0.0000	0.0001	0.0029	0.0677	0.0514	0.2184	0.5931	0.9338
60 mph	0.0005	0.0000	0.0002	0.0039	0.0819	0.0617	9.0211	24.3106	33.4800
65 mph	0.0001	0.0000	0.0000	0.0008	0.0154	0.0115	-	-	0.0277
70 mph	0.0012	0.0000	0.0005	0.0182	0.3756	0.2800	-	-	0.6756
total	0.0210	0.0001	0.0083	0.0830	1.6359	1.2679	18.3661	49.5728	70.9551

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1702	0.1702
15 mph								0.0476	0.0476
20 mph								0.0831	0.0831
25 mph								0.4210	0.4210
30 mph								0.3617	0.3617
35 mph								0.1553	0.1553
40 mph								0.1657	0.1657
45 mph								0.1280	0.1280
50 mph								0.2017	0.2017
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.7344	1.7344

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.1498	0.1498
25 mph								0.2415	0.2415
30 mph								0.3913	0.3913
35 mph								0.3733	0.3733
40 mph								0.3287	0.3287
45 mph								0.2308	0.2308
50 mph								0.1119	0.1119
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.1558	1.1558

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
15 mph								0.0812	0.0812
25 mph								0.2857	0.2857
35 mph								-	-
total	-	-	-	-	-	-	-	0.3672	0.3672

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
10 mph								0.1702	0.1702
15 mph								0.1288	0.1288
20 mph								0.2329	0.2329
25 mph								0.9482	0.9482
30 mph								0.7530	0.7530
35 mph								0.5286	0.5286
40 mph								0.4944	0.4944
45 mph								0.3588	0.3588
50 mph								0.3136	0.3136
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.9287	3.9287

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0014	0.0006	0.0015	0.0021	0.0055
10 mph	0.0062	0.0007	0.0032	0.0195	0.1037	0.0766	0.4968	1.5507	2.2574
15 mph	0.0422	0.0049	0.0215	0.0167	0.0721	0.0532	0.3532	1.0956	1.6593
20 mph	0.0039	0.0005	0.0020	0.0124	0.0501	0.0368	0.6255	1.9272	2.6584
25 mph	0.0168	0.0020	0.0085	0.0495	0.2487	0.1831	2.4142	7.3218	10.2445
30 mph	0.0176	0.0021	0.0089	0.0530	0.2115	0.1542	1.7821	5.4519	7.6813
35 mph	0.1348	0.0157	0.0680	0.0728	0.2216	0.1620	1.1721	3.6184	5.4654
40 mph	0.0068	0.0008	0.0034	0.0272	0.1304	0.0945	1.0465	3.2559	4.5654
45 mph	0.0054	0.0006	0.0027	0.0214	0.1034	0.0738	0.7457	2.3288	3.2818
50 mph	0.0056	0.0007	0.0028	0.0229	0.1163	0.0824	0.6631	2.0565	2.9503
55 mph	0.0039	0.0005	0.0020	0.0153	0.0773	0.0544	0.2229	0.5934	0.9698
60 mph	0.0063	0.0008	0.0032	0.0205	0.0938	0.0655	9.2041	24.3225	33.7167
65 mph	0.0010	0.0001	0.0005	0.0039	0.0177	0.0122	-	-	0.0354
70 mph	0.0143	0.0019	0.0073	0.0890	0.4373	0.2980	-	-	0.8478
STREX	0.0515	0.0043	0.0230	0.0983	0.0446	0.0135	0.0165	0.0000	0.2518
total	0.3163	0.0355	0.1570	0.5224	1.9300	1.3610	18.7441	53.5247	**76.5911**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0223	0.0247	0.0266	0.0289	0.0378	0.0378	0.0292	0.0081
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0515	0.0043	0.0230	0.0983	0.0446	0.0135	0.0165	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0515	0.0043	0.0230	0.0983	0.0446	0.0135	0.0165	0.0000

World Logistics Center
Mobile Emissions - 2026 (Net) - Mitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					2.1475	2.1637	3.3568	2.5252
10 mph	0.0070	0.0158	0.0116	0.0142	0.0158	0.0125	0.0273	0.3216
15 mph	0.0047	0.0107	0.0078	0.0095	0.0107	0.0084	0.0183	0.2132
20 mph	0.0033	0.0077	0.0055	0.0068	0.0078	0.0060	0.0130	0.1508
25 mph	0.0024	0.0058	0.0041	0.0050	0.0059	0.0044	0.0095	0.1119
30 mph	0.0019	0.0045	0.0032	0.0039	0.0047	0.0035	0.0073	0.0877
35 mph	0.0015	0.0038	0.0026	0.0032	0.0039	0.0029	0.0059	0.0727
40 mph	0.0013	0.0033	0.0023	0.0028	0.0035	0.0025	0.0052	0.0635
45 mph	0.0012	0.0030	0.0021	0.0026	0.0033	0.0023	0.0047	0.0584
50 mph	0.0012	0.0029	0.0020	0.0025	0.0032	0.0022	0.0046	0.0567
55 mph	0.0012	0.0029	0.0020	0.0025	0.0033	0.0023	0.0047	0.0579
60 mph	0.0013	0.0030	0.0021	0.0026	0.0035	0.0025	0.0050	0.0620
65 mph	0.0014	0.0033	0.0023	0.0029	0.0040	0.0028		
70 mph	0.0015	0.0040	0.0025	0.0032	0.0043	0.0027		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0235	0.1100
10 mph	0.0049	0.0209	0.0090	0.0050	0.0252	0.0253	0.0015	0.0039
15 mph	0.0025	0.0141	0.0044	0.0025	0.0130	0.0130	0.0008	0.0021
20 mph	0.0011	0.0100	0.0017	0.0010	0.0059	0.0058	0.0006	0.0013
25 mph	0.0007	0.0078	0.0011	0.0006	0.0039	0.0038	0.0004	0.0011
30 mph	0.0005	0.0065	0.0008	0.0005	0.0030	0.0030	0.0004	0.0009
35 mph	0.0004	0.0057	0.0006	0.0004	0.0026	0.0025	0.0003	0.0007
40 mph	0.0004	0.0051	0.0005	0.0003	0.0022	0.0021	0.0003	0.0006
45 mph	0.0003	0.0049	0.0005	0.0003	0.0020	0.0019	0.0002	0.0006
50 mph	0.0003	0.0049	0.0004	0.0003	0.0019	0.0018	0.0002	0.0006
55 mph	0.0003	0.0051	0.0003	0.0002	0.0018	0.0017	0.0003	0.0006
60 mph	0.0003	0.0055	0.0003	0.0002	0.0018	0.0017	0.0003	0.0007
65 mph	0.0003	0.0064	0.0003	0.0002	0.0021	0.0020		
70 mph	0.0003	0.0075	0.0003	0.0003	0.0033	0.0029		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.9445
10 mph								11.8037
15 mph								8.0410
20 mph								5.6374
25 mph								4.1397
30 mph								3.0783
35 mph								2.2927
40 mph								1.7123
45 mph								1.2847
50 mph								0.9715
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0065	0.0011	0.0040	0.0198	0.0101	0.0024	0.0088	0.0007	0.0534
15 mph	0.0017	0.0003	0.0011	0.0053	0.0027	0.0006	0.0020	0.0002	0.0139
20 mph	0.0024	0.0004	0.0015	0.0076	0.0040	0.0009	0.0028	0.0002	0.0199
25 mph	0.0090	0.0016	0.0057	0.0281	0.0150	0.0034	0.0112	0.0009	0.0749
30 mph	0.0077	0.0014	0.0049	0.0241	0.0131	0.0029	0.0078	0.0006	0.0625
35 mph	0.0051	0.0010	0.0033	0.0162	0.0090	0.0020	0.0029	0.0002	0.0397
40 mph	0.0015	0.0003	0.0009	0.0047	0.0027	0.0006	0.0028	0.0002	0.0137
45 mph	0.0011	0.0002	0.0007	0.0036	0.0021	0.0004	0.0020	0.0002	0.0104
50 mph	0.0011	0.0002	0.0007	0.0035	0.0020	0.0004	0.0032	0.0003	0.0114
55 mph	0.0009	0.0002	0.0006	0.0028	0.0017	0.0004	0.0008	0.0001	0.0073
60 mph	0.0019	0.0003	0.0012	0.0059	0.0036	0.0008	0.0008	0.0001	0.0145
65 mph	0.0003	0.0000	0.0002	0.0008	0.0005	0.0001	-	-	0.0019
70 mph	-	-	-	-	-	-	-	-	-
total	0.0392	0.0071	0.0248	0.1224	0.0664	0.0150	0.0449	0.0036	0.3234

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0005	0.0001	0.0003	0.0034	0.0022	0.0005	-	-	0.0071
15 mph	0.0004	0.0001	0.0002	0.0023	0.0015	0.0003	-	-	0.0048
20 mph	0.0003	0.0000	0.0002	0.0016	0.0011	0.0002	0.0050	0.0004	0.0088
25 mph	0.0004	0.0001	0.0002	0.0024	0.0016	0.0004	0.0064	0.0005	0.0120
30 mph	0.0006	0.0001	0.0004	0.0038	0.0025	0.0006	0.0085	0.0007	0.0171
35 mph	0.0011	0.0002	0.0007	0.0070	0.0048	0.0011	0.0069	0.0006	0.0223
40 mph	0.0010	0.0002	0.0007	0.0068	0.0048	0.0010	0.0055	0.0005	0.0204
45 mph	0.0008	0.0001	0.0005	0.0050	0.0036	0.0008	0.0036	0.0003	0.0146
50 mph	0.0008	0.0002	0.0005	0.0054	0.0039	0.0008	0.0018	0.0001	0.0135
55 mph	0.0005	0.0001	0.0003	0.0030	0.0022	0.0005	0.0009	0.0001	0.0076
60 mph	0.0003	0.0001	0.0002	0.0019	0.0014	0.0003	0.0680	0.0057	0.0779
65 mph	0.0001	0.0000	0.0001	0.0007	0.0005	0.0001	-	-	0.0016
70 mph	0.0053	0.0011	0.0033	0.0357	0.0267	0.0051	-	-	0.0772
total	0.0119	0.0023	0.0075	0.0791	0.0569	0.0118	0.1066	0.0088	0.2848

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1748	0.0533	0.1258	0.0009	0.3548
15 mph	0.0343	0.0060	0.0215	0.0078	0.0044	0.0010	0.0033	0.0003	0.0786
25 mph	-	-	-	-	0.0046	0.0010	0.0076	0.0006	0.0138
35 mph	0.0487	0.0090	0.0310	0.0104	-	-	-	-	0.0991
total	0.0830	0.0150	0.0525	0.0181	0.1837	0.0554	0.1367	0.0018	0.5463

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1748	0.0533	0.1258	0.0009	0.3548
10 mph	0.0070	0.0012	0.0044	0.0233	0.0122	0.0029	0.0088	0.0007	0.0605
15 mph	0.0364	0.0064	0.0228	0.0154	0.0086	0.0020	0.0053	0.0004	0.0973
20 mph	0.0027	0.0005	0.0017	0.0092	0.0050	0.0012	0.0078	0.0006	0.0287
25 mph	0.0094	0.0017	0.0059	0.0305	0.0212	0.0048	0.0252	0.0020	0.1007
30 mph	0.0083	0.0015	0.0052	0.0279	0.0156	0.0035	0.0163	0.0013	0.0796
35 mph	0.0549	0.0102	0.0349	0.0336	0.0138	0.0031	0.0097	0.0008	0.1610
40 mph	0.0025	0.0005	0.0016	0.0115	0.0074	0.0016	0.0083	0.0007	0.0341
45 mph	0.0019	0.0004	0.0012	0.0086	0.0056	0.0012	0.0057	0.0005	0.0250
50 mph	0.0019	0.0004	0.0012	0.0089	0.0059	0.0013	0.0049	0.0004	0.0249
55 mph	0.0013	0.0002	0.0009	0.0058	0.0039	0.0008	0.0017	0.0001	0.0148
60 mph	0.0022	0.0004	0.0014	0.0078	0.0050	0.0011	0.0688	0.0057	0.0924
65 mph	0.0004	0.0001	0.0002	0.0015	0.0011	0.0002	-	-	0.0035
70 mph	0.0053	0.0011	0.0033	0.0357	0.0267	0.0051	-	-	0.0772
total	0.1341	0.0244	0.0847	0.2197	0.3069	0.0822	0.2883	0.0143	1.1545

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0002	0.0133	0.0093	0.0026	0.0123	0.0376
15 mph	0.0000	0.0000	0.0000	0.0000	0.0027	0.0019	0.0005	0.0022	0.0074
20 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0017	0.0006	0.0028	0.0076
25 mph	0.0000	0.0000	0.0000	0.0001	0.0081	0.0055	0.0028	0.0126	0.0292
30 mph	0.0000	0.0000	0.0000	0.0001	0.0070	0.0048	0.0020	0.0093	0.0233
35 mph	0.0000	0.0000	0.0000	0.0001	0.0048	0.0033	0.0008	0.0034	0.0124
40 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0009	0.0007	0.0033	0.0064
45 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0007	0.0005	0.0024	0.0047
50 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0009	0.0039	0.0065
55 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0005	0.0002	0.0010	0.0025
60 mph	0.0000	0.0000	0.0000	0.0000	0.0015	0.0010	0.0003	0.0012	0.0040
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0001	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0001	0.0000	0.0001	0.0005	0.0444	0.0304	0.0119	0.0546	0.1420

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0028	0.0020	-	-	0.0049
15 mph	0.0000	0.0000	0.0000	0.0000	0.0015	0.0010	-	-	0.0025
20 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0012	0.0050	0.0073
25 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0006	0.0016	0.0073	0.0103
30 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0009	0.0022	0.0100	0.0146
35 mph	0.0000	0.0000	0.0000	0.0000	0.0026	0.0018	0.0018	0.0083	0.0145
40 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0017	0.0014	0.0065	0.0122
45 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0012	0.0010	0.0044	0.0084
50 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0013	0.0005	0.0022	0.0059
55 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0003	0.0012	0.0032
60 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	0.0217	0.0990	0.1217
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	0.0000	0.0000	0.0000	0.0001	0.0173	0.0103	-	-	0.0277
total	0.0000	0.0000	0.0000	0.0002	0.0352	0.0224	0.0316	0.1439	0.2334

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0099	0.0069	0.0046	0.0408	0.0622
15 mph	0.0002	0.0000	0.0001	0.0001	0.0044	0.0030	0.0008	0.0038	0.0124
25 mph	-	-	-	-	0.0025	0.0017	0.0019	0.0086	0.0146
35 mph	0.0001	0.0000	0.0001	0.0000	-	-	-	-	0.0002
total	0.0003	0.0000	0.0002	0.0001	0.0167	0.0116	0.0073	0.0532	0.0895

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0099	0.0069	0.0046	0.0408	0.0622
10 mph	0.0001	0.0000	0.0000	0.0002	0.0161	0.0113	0.0026	0.0123	0.0425
15 mph	0.0002	0.0000	0.0001	0.0001	0.0086	0.0060	0.0013	0.0061	0.0223
20 mph	0.0000	0.0000	0.0000	0.0000	0.0031	0.0022	0.0018	0.0078	0.0149
25 mph	0.0000	0.0000	0.0000	0.0001	0.0114	0.0078	0.0063	0.0285	0.0541
30 mph	0.0000	0.0000	0.0000	0.0001	0.0084	0.0057	0.0043	0.0193	0.0378
35 mph	0.0002	0.0000	0.0001	0.0001	0.0074	0.0050	0.0026	0.0117	0.0271
40 mph	0.0000	0.0000	0.0000	0.0000	0.0039	0.0026	0.0022	0.0098	0.0186
45 mph	0.0000	0.0000	0.0000	0.0000	0.0029	0.0019	0.0015	0.0068	0.0131
50 mph	0.0000	0.0000	0.0000	0.0000	0.0029	0.0019	0.0014	0.0061	0.0123
55 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0012	0.0005	0.0022	0.0057
60 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0014	0.0219	0.1002	0.1257
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	-	-	0.0008
70 mph	0.0000	0.0000	0.0000	0.0001	0.0173	0.0103	-	-	0.0277
total	0.0005	0.0000	0.0002	0.0009	0.0963	0.0645	0.0508	0.2517	0.4649

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								2.1475	2.1475
15 mph								0.4877	0.4877
20 mph								0.6838	0.6838
25 mph								2.7616	2.7616
30 mph								1.8668	1.8668
35 mph								0.6257	0.6257
40 mph								0.5192	0.5192
45 mph								0.3116	0.3116
50 mph								0.3830	0.3830
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	9.7869	9.7869

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1.2327	1.2327
25 mph								1.5841	1.5841
30 mph								2.0193	2.0193
35 mph								1.5040	1.5040
40 mph								1.0296	1.0296
45 mph								0.5618	0.5618
50 mph								0.2124	0.2124
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	6.3400	6.3400

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0413	0.0413
15 mph								0.8318	0.8318
25 mph								1.8738	1.8738
35 mph								-	-
total	-	-	-	-	-	-	-	2.7469	2.7469

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0413	0.0413
10 mph								2.1475	2.1475
15 mph								1.3194	1.3194
20 mph								1.9164	1.9164
25 mph								6.2195	6.2195
30 mph								3.8861	3.8861
35 mph								2.1297	2.1297
40 mph								1.5488	1.5488
45 mph								0.8735	0.8735
50 mph								0.5954	0.5954
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	20.6776	20.6776

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1847	0.0602	0.1305	0.0830	0.4583
10 mph	0.0071	0.0012	0.0044	0.0235	0.0283	0.0142	0.0113	2.1605	2.2505
15 mph	0.0366	0.0064	0.0229	0.0155	0.0171	0.0080	0.0066	1.3259	1.4390
20 mph	0.0027	0.0005	0.0017	0.0092	0.0082	0.0033	0.0096	1.9248	1.9600
25 mph	0.0094	0.0017	0.0059	0.0306	0.0326	0.0127	0.0315	6.2500	6.3743
30 mph	0.0083	0.0015	0.0053	0.0280	0.0240	0.0092	0.0205	3.9068	4.0036
35 mph	0.0550	0.0102	0.0350	0.0337	0.0212	0.0081	0.0123	2.1422	2.3177
40 mph	0.0025	0.0005	0.0016	0.0115	0.0113	0.0042	0.0104	1.5593	1.6014
45 mph	0.0019	0.0004	0.0012	0.0086	0.0085	0.0031	0.0072	0.8807	0.9115
50 mph	0.0019	0.0004	0.0012	0.0089	0.0088	0.0032	0.0063	0.6020	0.6326
55 mph	0.0014	0.0002	0.0009	0.0059	0.0057	0.0020	0.0021	0.0024	0.0205
60 mph	0.0022	0.0004	0.0014	0.0078	0.0072	0.0025	0.0908	0.1059	0.2182
65 mph	0.0004	0.0001	0.0002	0.0015	0.0015	0.0005	-	-	0.0042
70 mph	0.0053	0.0011	0.0033	0.0358	0.0440	0.0154	-	-	0.1049
STREX	0.0892	0.0092	0.0454	0.2098	0.0232	0.0071	0.0197	0.0000	0.4034
total	0.2238	0.0335	0.1303	0.4303	0.4264	0.1538	0.3587	20.9436	**22.7004**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0387	0.0524	0.0525	0.0617	0.0196	0.0198	0.0348	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0892	0.0092	0.0454	0.2098	0.0232	0.0071	0.0197	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0892	0.0092	0.0454	0.2098	0.0232	0.0071	0.0197	0.0000

World Logistics Center
Mobile Emissions - 2026 (Net) - Mitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,418.37	5,156.88	13,119.83	22,008.65
10 mph	461.33	538.89	561.24	693.13	1,454.22	1,673.31	3,011.19	3,582.38
15 mph	377.04	440.30	458.43	565.56	1,187.68	1,365.65	2,462.99	2,939.90
20 mph	313.61	366.25	381.30	470.49	987.47	1,135.63	2,044.72	2,449.51
25 mph	268.14	313.26	326.19	402.87	844.13	970.73	1,750.01	2,096.06
30 mph	237.96	278.11	289.66	358.23	749.38	861.82	1,555.19	1,859.25
35 mph	220.68	258.01	268.78	333.04	695.10	799.54	1,442.87	1,721.26
40 mph	213.85	250.02	260.45	322.82	672.96	774.12	1,396.20	1,664.34
45 mph	214.96	251.18	261.62	324.13	675.43	776.97	1,402.30	1,665.72
50 mph	221.42	258.68	269.35	334.08	695.37	799.51	1,442.36	1,711.85
55 mph	230.05	268.74	279.91	347.38	723.94	832.32	1,499.23	1,779.54
60 mph	237.01	277.16	288.91	359.00	753.18	865.90	1,559.09	1,849.35
65 mph	242.73	284.41	296.61	369.36	776.09	891.80		
70 mph	245.64	288.81	299.25	379.02	788.48	902.34		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,591.10	5,784.30	5,917.34	5,594.69
10 mph	384.62	842.68	518.82	646.09	937.89	1,049.16	1,836.20	2,760.50
15 mph	316.43	701.21	430.35	547.13	609.80	695.53	1,444.66	2,143.57
20 mph	259.56	575.86	353.51	454.47	520.47	593.99	1,233.86	1,813.09
25 mph	217.67	481.05	296.45	385.03	461.63	529.38	1,076.81	1,543.28
30 mph	188.62	413.92	256.34	333.31	419.76	478.04	945.21	1,354.02
35 mph	170.61	371.04	231.30	303.32	420.78	479.14	844.13	1,210.05
40 mph	159.68	345.70	215.85	283.92	409.84	462.27	773.29	1,110.52
45 mph	154.25	333.71	208.13	273.14	399.94	444.55	732.78	1,053.98
50 mph	154.77	333.80	208.36	274.83	419.66	461.39	722.94	1,034.50
55 mph	161.91	349.00	217.79	290.01	438.09	477.09	743.83	1,077.61
60 mph	175.56	378.17	235.96	314.03	442.16	478.44	794.82	1,142.51
65 mph	197.51	421.50	264.97	353.67	449.36	481.32		
70 mph	215.44	439.52	282.63	387.26	461.11	493.63		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,669.57
10 mph								4,589.51
15 mph								3,851.34
20 mph								3,361.21
25 mph								3,095.83
30 mph								2,925.85
35 mph								2,791.34
40 mph								2,681.16
45 mph								2,588.71
50 mph								2,509.76
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	428.13	37.90	195.15	968.48	925.87	322.61	967.61	7.80	3,853.55
15 mph	139.96	12.38	63.76	316.10	302.47	105.32	263.82	2.13	1,205.94
20 mph	232.83	20.60	106.07	525.92	502.96	175.16	438.03	3.56	2,005.13
25 mph	995.36	88.12	453.68	2,251.65	2,149.76	748.62	2,061.93	16.74	8,765.85
30 mph	971.69	86.05	443.16	2,202.41	2,099.29	731.09	1,665.80	13.50	8,212.98
35 mph	737.28	65.32	336.45	1,675.26	1,593.20	554.93	695.48	5.62	5,663.53
40 mph	238.15	21.10	108.67	541.28	514.15	179.10	747.76	6.04	2,356.25
45 mph	199.49	17.66	90.97	452.90	430.03	149.80	600.81	4.84	1,946.50
50 mph	205.49	18.19	93.66	466.80	442.73	154.14	1,004.22	8.08	2,393.30
55 mph	170.80	15.12	77.86	388.31	368.74	128.38	240.88	1.94	1,392.01
60 mph	351.92	31.18	160.73	802.59	767.25	267.11	250.50	2.01	2,633.30
65 mph	45.05	4.00	20.63	103.22	98.82	34.39	-	-	306.11
70 mph	-	-	-	-	-	-	-	-	-
total	4,716.15	417.62	2,150.79	10,694.92	10,195.26	3,550.63	8,936.83	72.25	40,734.45

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	35.41	3.13	16.14	167.29	198.54	69.18	-	-	489.69
15 mph	28.94	2.56	13.18	136.50	162.15	56.46	-	-	399.79
20 mph	24.07	2.13	10.97	113.55	134.82	46.95	789.66	6.41	1,128.56
25 mph	41.16	3.64	18.76	194.46	230.49	80.26	1,182.73	9.60	1,761.11
30 mph	73.06	6.47	33.32	345.84	409.24	142.52	1,801.82	14.60	2,826.86
35 mph	152.44	13.50	69.57	723.42	854.09	297.49	1,671.69	13.52	3,795.72
40 mph	164.14	14.54	74.90	779.13	918.76	320.04	1,482.82	11.98	3,766.30
45 mph	131.99	11.69	60.19	625.84	737.71	256.97	1,083.12	8.72	2,916.22
50 mph	152.95	13.54	69.71	725.66	854.43	297.48	557.03	4.48	2,675.30
55 mph	88.29	7.81	40.25	419.20	494.18	172.05	289.50	2.33	1,513.61
60 mph	54.57	4.84	24.93	259.93	308.49	107.39	21,074.02	169.41	22,003.58
65 mph	18.63	1.65	8.53	89.14	105.96	36.87	-	-	260.78
70 mph	867.29	77.27	395.86	4,207.95	4,951.77	1,716.03	-	-	12,216.17
total	1,832.94	162.78	836.30	8,787.91	10,360.61	3,599.70	29,932.40	241.04	55,753.69

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	359.58	127.09	491.71	8.13	986.52
15 mph	2,775.02	245.56	1,264.19	460.61	485.30	168.98	449.98	3.64	5,853.27
25 mph	-	-	-	-	655.07	228.12	1,399.09	11.36	2,293.64
35 mph	6,988.50	619.11	3,189.10	1,072.43	-	-	-	-	11,869.14
total	9,763.52	864.67	4,453.29	1,533.04	1,499.96	524.18	2,340.78	23.13	21,002.57

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	359.58	127.09	491.71	8.13	986.52
10 mph	463.54	41.03	211.29	1,135.77	1,124.41	391.79	967.61	7.80	4,343.23
15 mph	2,943.92	260.50	1,341.13	913.21	949.92	330.75	713.80	5.77	7,459.01
20 mph	256.90	22.73	117.03	639.48	637.78	222.11	1,227.69	9.97	3,133.68
25 mph	1,036.52	91.76	472.44	2,446.11	3,035.32	1,057.00	4,643.75	37.69	12,820.60
30 mph	1,044.75	92.52	476.48	2,548.25	2,508.52	873.61	3,467.62	28.10	11,039.84
35 mph	7,878.23	697.93	3,595.11	3,471.11	2,447.29	852.43	2,367.17	19.14	21,328.40
40 mph	402.29	35.64	183.57	1,320.40	1,432.91	499.14	2,230.58	18.02	6,122.55
45 mph	331.48	29.35	151.16	1,078.74	1,167.74	406.77	1,683.93	13.56	4,862.72
50 mph	358.44	31.73	163.37	1,192.46	1,297.16	451.63	1,561.25	12.56	5,068.59
55 mph	259.08	22.93	118.11	807.50	862.92	300.43	530.38	4.27	2,905.62
60 mph	406.49	36.02	185.66	1,062.53	1,075.74	374.50	21,324.52	171.42	24,636.89
65 mph	63.68	5.65	29.16	192.36	204.78	71.26	-	-	566.89
70 mph	867.29	77.27	395.86	4,207.95	4,951.77	1,716.03	-	-	12,216.17
total	16,312.61	1,445.07	7,440.37	21,015.87	22,055.82	7,674.52	41,210.01	336.43	117,490.71

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	3.70	0.02	1.45	24.35	492.70	383.86	3,114.94	8,779.39	12,800.42
15 mph	1.22	0.01	0.48	8.25	128.14	101.79	816.91	2,272.45	3,329.24
20 mph	2.00	0.01	0.79	13.70	218.74	173.86	1,395.41	3,844.20	5,648.71
25 mph	8.37	0.05	3.31	58.05	970.03	774.74	6,697.92	17,996.67	26,509.14
30 mph	7.98	0.04	3.15	55.28	970.27	769.56	5,344.88	14,354.22	21,505.38
35 mph	5.91	0.03	2.32	41.16	795.78	631.10	2,147.98	5,772.63	9,396.90
40 mph	1.84	0.01	0.72	12.84	258.37	202.96	2,186.36	5,886.45	8,549.55
45 mph	1.48	0.01	0.58	10.30	210.10	162.65	1,657.45	4,469.41	6,511.98
50 mph	1.49	0.01	0.58	10.36	220.46	168.81	2,657.21	7,128.52	10,187.44
55 mph	1.25	0.01	0.49	8.75	184.12	139.64	630.91	1,713.59	2,678.75
60 mph	2.70	0.01	1.05	18.94	371.65	280.08	674.17	1,816.80	3,165.41
65 mph	0.38	0.00	0.15	2.67	47.21	35.22	-	-	85.63
70 mph	-	-	-	-	-	-	-	-	-
total	38.32	0.21	15.07	264.64	4,867.57	3,824.28	27,324.15	74,034.33	110,368.56

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.31	0.00	0.12	4.21	105.65	82.31	-	-	192.60
15 mph	0.25	0.00	0.10	3.56	68.69	54.57	-	-	127.18
20 mph	0.21	0.00	0.08	2.96	58.63	46.60	2,515.59	6,930.14	9,554.21
25 mph	0.35	0.00	0.14	5.01	104.00	83.07	3,841.95	10,322.95	14,357.47
30 mph	0.60	0.00	0.24	8.68	189.14	150.02	5,781.30	15,526.27	21,656.25
35 mph	1.22	0.01	0.48	17.77	426.60	338.32	5,163.05	13,875.50	19,822.95
40 mph	1.27	0.01	0.50	18.49	461.69	362.68	4,335.61	11,673.00	16,853.24
45 mph	0.98	0.01	0.38	14.23	360.43	279.02	2,987.98	8,057.25	11,700.27
50 mph	1.11	0.01	0.43	16.10	425.47	325.79	1,473.93	3,954.14	6,196.99
55 mph	0.64	0.00	0.25	9.44	246.76	187.15	758.26	2,059.45	3,261.96
60 mph	0.42	0.00	0.16	6.13	149.43	112.61	56,716.91	152,844.79	209,830.45
65 mph	0.16	0.00	0.06	2.30	50.62	37.76	-	-	90.90
70 mph	7.88	0.04	3.00	115.98	2,389.42	1,781.50	-	-	4,297.83
total	15.39	0.08	5.94	224.87	5,036.54	3,841.41	83,574.57	225,243.48	317,942.29

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	241.15	270.52	1,170.78	2,075.26	3,757.71
15 mph	24.14	0.13	9.52	12.02	205.60	163.32	1,393.36	3,876.01	5,684.10
25 mph	-	-	-	-	295.59	236.08	4,544.76	12,211.35	17,287.79
35 mph	55.99	0.30	22.02	26.35	-	-	-	-	104.66
total	80.13	0.43	31.54	38.37	742.33	669.92	7,108.91	18,162.63	26,834.25

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	241.15	270.52	1,170.78	2,075.26	3,757.71
10 mph	4.01	0.02	1.57	28.56	598.36	466.17	3,114.94	8,779.39	12,993.01
15 mph	25.60	0.14	10.10	23.83	402.43	319.68	2,210.27	6,148.46	9,140.51
20 mph	2.20	0.01	0.87	16.66	277.37	220.46	3,911.00	10,774.33	15,202.92
25 mph	8.72	0.05	3.44	63.07	1,369.63	1,093.89	15,084.63	40,530.97	58,154.40
30 mph	8.58	0.05	3.38	63.96	1,159.42	919.58	11,126.18	29,880.48	43,161.63
35 mph	63.12	0.34	24.82	85.28	1,222.38	969.42	7,311.03	19,648.12	29,324.51
40 mph	3.11	0.02	1.22	31.33	720.05	565.64	6,521.97	17,559.45	25,402.79
45 mph	2.47	0.01	0.96	24.52	570.53	441.67	4,645.44	12,526.66	18,212.26
50 mph	2.60	0.01	1.01	26.46	645.93	494.61	4,131.14	11,082.67	16,384.43
55 mph	1.89	0.01	0.74	18.19	430.87	326.79	1,389.17	3,773.05	5,940.70
60 mph	3.12	0.02	1.22	25.07	521.08	392.69	57,391.08	154,661.59	212,995.87
65 mph	0.54	0.00	0.21	4.97	97.83	72.98	-	-	176.53
70 mph	7.88	0.04	3.00	115.98	2,389.42	1,781.50	-	-	4,297.83
total	133.84	0.72	52.55	527.88	10,646.44	8,335.61	118,007.63	317,440.43	455,145.11

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								835.00	835.00
15 mph								233.57	233.57
20 mph								407.68	407.68
25 mph								2,065.22	2,065.22
30 mph								1,774.39	1,774.39
35 mph								761.77	761.77
40 mph								813.00	813.00
45 mph								627.97	627.97
50 mph								989.33	989.33
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	8,507.94	8,507.94

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								734.95	734.95
25 mph								1,184.62	1,184.62
30 mph								1,919.28	1,919.28
35 mph								1,831.04	1,831.04
40 mph								1,612.20	1,612.20
45 mph								1,132.08	1,132.08
50 mph								548.78	548.78
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5,669.89	5,669.89

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								120.31	120.31
15 mph								398.38	398.38
25 mph								1,401.33	1,401.33
35 mph								-	-
total	-	-	-	-	-	-	-	1,920.01	1,920.01

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								120.31	120.31
10 mph								835.00	835.00
15 mph								631.95	631.95
20 mph								1,142.64	1,142.64
25 mph								4,651.17	4,651.17
30 mph								3,693.67	3,693.67
35 mph								2,592.81	2,592.81
40 mph								2,425.21	2,425.21
45 mph								1,760.06	1,760.06
50 mph								1,538.11	1,538.11
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	19,390.91	19,390.91

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	600.73	397.61	1,662.49	2,203.70	4,864.54
10 mph	467.54	41.05	212.86	1,164.33	1,722.77	857.96	4,082.55	9,622.19	18,171.25
15 mph	2,969.52	260.64	1,351.23	937.04	1,352.35	650.43	2,924.07	6,786.18	17,231.47
20 mph	259.10	22.75	117.90	656.14	915.14	442.57	5,138.70	11,926.94	19,479.24
25 mph	1,045.24	91.81	475.89	2,509.18	4,404.95	2,150.89	19,728.37	45,219.84	75,626.16
30 mph	1,053.33	92.57	479.86	2,612.21	3,667.94	1,793.19	14,593.80	33,602.25	57,895.15
35 mph	7,941.35	698.27	3,619.93	3,556.39	3,669.67	1,821.84	9,678.20	22,260.07	53,245.72
40 mph	405.41	35.66	184.79	1,351.73	2,152.96	1,064.77	8,752.54	20,002.68	33,950.54
45 mph	333.95	29.36	152.12	1,103.26	1,738.27	848.44	6,329.37	14,300.27	24,835.04
50 mph	361.04	31.75	164.38	1,218.92	1,943.08	946.23	5,692.39	12,633.34	22,991.13
55 mph	260.97	22.94	118.85	825.69	1,293.79	627.22	1,919.55	3,777.31	8,846.33
60 mph	409.61	36.04	186.87	1,087.60	1,596.82	767.19	78,715.61	154,833.01	237,632.75
65 mph	64.22	5.66	29.37	197.33	302.61	144.24	-	-	743.43
70 mph	875.17	77.30	398.86	4,323.93	7,341.19	3,497.53	-	-	16,513.99
STREX	113.84	10.13	53.14	259.62	21.47	7.40	20.37	0.17	486.15
total	16,560.30	1,455.92	7,546.06	21,803.37	32,723.74	16,017.53	159,238.01	337,167.94	**592,512.87**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	49.38	57.98	61.52	76.29	18.16	20.68	36.06	44.50
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	113.84	10.13	53.14	259.62	21.47	7.40	20.37	0.17
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	113.84	10.13	53.14	259.62	21.47	7.40	20.37	0.17

World Logistics Center
Mobile Emissions - 2027 (Net) - Mitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
29.09	906.16	432.66	6.07	8.03	113.25	71.61	192.89	7.66	27.80	27.96	63.42	5.84	82.27	25.08	652,767.39

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
5.31	165.37	78.96	1.11	1.46	20.67	13.07	35.20	1.40	5.07	5.10	11.57	1.07	15.01	4.58	119,130.05

World Logistics Center
Mobile Emissions - 2027 (Net) - Mitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	1,456.22	15.41	54.08	38,218.46	404.33	1,419.45
LDT1	110.50	0.03	2.04	2,900.04	0.76	53.54
LDT2	545.96	4.55	12.83	14,328.83	119.36	336.81
MDT	1,650.57	46.37	38.43	25,265.74	709.86	588.24
LHDT1	565.50	484.68	-	12,738.98	10,918.42	-
LHDT2	170.08	334.83	-	3,831.33	7,542.66	-
MHDT	269.92	1,467.12	-	11,853.78	64,429.21	-
HHDT	1.89	2,733.99	160.55	82.83	120,064.55	7,050.62

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	27,037.64	286.04	1,004.19	11,180.82	118.29	415.26
LDT1	2,051.64	0.54	37.88	848.41	0.22	15.66
LDT2	10,136.93	84.44	238.28	4,191.90	34.92	98.54
MDT	13,557.14	380.90	315.64	11,708.60	328.96	272.60
LHDT1	6,147.64	5,269.07	-	6,591.34	5,649.35	-
LHDT2	1,848.95	3,639.98	-	1,982.39	3,902.68	-
MHDT	2,573.83	13,989.60	-	9,279.95	50,439.61	-
HHDT	17.98	26,069.78	1,530.91	64.84	93,994.77	5,519.71

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	1,351.88	102.58	506.85	677.86	307.38	92.45	154.43	1.08	3,194.51
15 mph	540.75	41.03	202.74	271.14	122.95	36.98	51.48	0.36	1,267.43
20 mph	1,081.51	82.07	405.48	542.29	245.91	73.96	102.95	0.72	2,534.87
25 mph	5,407.53	410.33	2,027.39	2,711.43	1,229.53	369.79	566.24	3.96	12,726.18
30 mph	5,948.28	451.36	2,230.12	2,982.57	1,352.48	406.77	514.77	3.60	13,889.95
35 mph	4,866.78	369.29	1,824.65	2,440.28	1,106.58	332.81	231.64	1.62	11,173.65
40 mph	1,622.26	123.10	608.22	813.43	368.86	110.94	257.38	1.80	3,905.98
45 mph	1,351.88	102.58	506.85	677.86	307.38	92.45	205.91	1.44	3,246.34
50 mph	1,351.88	102.58	506.85	677.86	307.38	92.45	334.60	2.34	3,375.93
55 mph	1,081.51	82.07	405.48	542.29	245.91	73.96	77.21	0.54	2,508.95
60 mph	2,163.01	164.13	810.95	1,084.57	491.81	147.92	77.21	0.54	4,940.15
65 mph	270.38	20.52	101.37	135.57	61.48	18.49	-	-	607.80
70 mph	-	-	-	-	-	-	-	-	-
total	27,037.64	2,051.64	10,136.93	13,557.14	6,147.64	1,848.95	2,573.83	17.98	63,371.74

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	111.81	8.48	41.92	117.09	65.91	19.82	-	-	365.03
15 mph	111.81	8.48	41.92	117.09	65.91	19.82	-	-	365.03
20 mph	111.81	8.48	41.92	117.09	65.91	19.82	185.60	1.30	551.93
25 mph	223.62	16.97	83.84	234.17	131.83	39.65	324.80	2.27	1,057.14
30 mph	447.23	33.94	167.68	468.34	263.65	79.30	556.80	3.89	2,020.83
35 mph	1,006.27	76.36	377.27	1,053.77	593.22	178.42	556.80	3.89	3,846.00
40 mph	1,118.08	84.84	419.19	1,170.86	659.13	198.24	510.40	3.57	4,164.31
45 mph	894.47	67.87	335.35	936.69	527.31	158.59	371.20	2.59	3,294.07
50 mph	1,006.27	76.36	377.27	1,053.77	593.22	178.42	185.60	1.30	3,472.21
55 mph	559.04	42.42	209.60	585.43	329.57	99.12	92.80	0.65	1,918.62
60 mph	335.42	25.45	125.76	351.26	197.74	59.47	6,495.97	45.39	7,636.46
65 mph	111.81	8.48	41.92	117.09	65.91	19.82	-	-	365.03
70 mph	5,143.18	390.27	1,928.28	5,385.96	3,032.01	911.90	-	-	16,791.59
total	11,180.82	848.41	4,191.90	11,708.60	6,591.34	1,982.39	9,279.95	64.84	45,848.25

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	38.91	11.70	17.79	0.18	68.59
15 mph	3,568.59	270.79	1,337.93	394.63	195.37	58.76	86.73	0.61	5,913.40
25 mph	-	-	-	-	371.04	111.59	379.51	2.65	864.80
35 mph	15,354.31	1,165.10	5,756.63	1,560.29	-	-	-	-	23,836.33
total	18,922.90	1,435.88	7,094.56	1,954.93	566.41	170.35	466.24	3.26	30,614.53

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	38.91	11.70	17.79	0.18	68.59
10 mph	1,463.69	111.07	548.77	794.94	373.30	112.27	154.43	1.08	3,559.54
15 mph	4,221.15	320.30	1,582.59	782.86	384.23	115.56	138.20	0.97	7,545.87
20 mph	1,193.31	90.55	447.40	659.37	311.82	93.78	288.55	2.02	3,086.80
25 mph	5,631.14	427.30	2,111.22	2,945.60	1,732.40	521.03	1,270.55	8.88	14,648.12
30 mph	6,395.51	485.30	2,397.80	3,450.91	1,616.14	486.06	1,071.56	7.49	15,910.77
35 mph	21,227.36	1,610.75	7,958.55	5,054.35	1,699.80	511.23	788.44	5.51	38,855.98
40 mph	2,740.34	207.94	1,027.41	1,984.29	1,027.99	309.18	767.78	5.36	8,070.29
45 mph	2,246.35	170.45	842.20	1,614.55	834.69	251.04	577.10	4.03	6,540.41
50 mph	2,358.16	178.94	884.12	1,731.63	900.60	270.86	520.20	3.63	6,848.14
55 mph	1,640.55	124.49	615.07	1,127.72	575.47	173.08	170.01	1.19	4,427.57
60 mph	2,498.44	189.58	936.71	1,435.83	689.55	207.39	6,573.18	45.93	12,576.61
65 mph	382.18	29.00	143.29	252.66	127.39	38.31	-	-	972.83
70 mph	5,143.18	390.27	1,928.28	5,385.96	3,032.01	911.90	-	-	16,791.59
total	57,141.36	4,335.93	21,423.39	27,220.67	13,305.39	4,001.69	12,320.01	86.09	139,834.52

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	14.30	0.03	4.22	19.04	263.45	182.00	839.38	1,564.19	2,886.61
15 mph	5.72	0.01	1.69	7.62	105.38	72.80	279.79	521.40	994.41
20 mph	11.44	0.02	3.38	15.24	210.76	145.60	559.58	1,042.79	1,988.81
25 mph	57.21	0.11	16.89	76.18	1,053.81	728.00	3,077.71	5,735.35	10,745.26
30 mph	62.93	0.12	18.58	83.80	1,159.20	800.79	2,797.92	5,213.96	10,137.29
35 mph	51.49	0.10	15.20	68.56	948.43	655.20	1,259.06	2,346.28	5,344.32
40 mph	17.16	0.03	5.07	22.85	316.14	218.40	1,398.96	2,606.98	4,585.60
45 mph	14.30	0.03	4.22	19.04	263.45	182.00	1,119.17	2,085.58	3,687.80
50 mph	14.30	0.03	4.22	19.04	263.45	182.00	1,818.65	3,389.07	5,690.77
55 mph	11.44	0.02	3.38	15.24	210.76	145.60	419.69	782.09	1,588.22
60 mph	22.88	0.04	6.76	30.47	421.53	291.20	419.69	782.09	1,974.66
65 mph	2.86	0.01	0.84	3.81	52.69	36.40	-	-	96.61
70 mph	-	-	-	-	-	-	-	-	-
total	286.04	0.54	84.44	380.90	5,269.07	3,639.98	13,989.60	26,069.78	49,720.35

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	1.18	0.00	0.35	3.29	56.49	39.03	-	-	100.34
15 mph	1.18	0.00	0.35	3.29	56.49	39.03	-	-	100.34
20 mph	1.18	0.00	0.35	3.29	56.49	39.03	1,008.79	1,879.90	2,989.03
25 mph	2.37	0.00	0.70	6.58	112.99	78.05	1,765.39	3,289.82	5,255.89
30 mph	4.73	0.01	1.40	13.16	225.97	156.11	3,026.38	5,639.69	9,067.44
35 mph	10.65	0.02	3.14	29.61	508.44	351.24	3,026.38	5,639.69	9,569.16
40 mph	11.83	0.02	3.49	32.90	564.94	390.27	2,774.18	5,169.71	8,947.33
45 mph	9.46	0.02	2.79	26.32	451.95	312.21	2,017.58	3,759.79	6,580.13
50 mph	10.65	0.02	3.14	29.61	508.44	351.24	1,008.79	1,879.90	3,791.79
55 mph	5.91	0.01	1.75	16.45	282.47	195.13	504.40	939.95	1,946.07
60 mph	3.55	0.01	1.05	9.87	169.48	117.08	35,307.73	65,796.34	101,405.10
65 mph	1.18	0.00	0.35	3.29	56.49	39.03	-	-	100.34
70 mph	54.41	0.10	16.06	151.32	2,598.70	1,795.23	-	-	4,615.84
total	118.29	0.22	34.92	328.96	5,649.35	3,902.68	50,439.61	93,994.77	154,468.80

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	33.35	23.04	96.70	180.20	333.29
15 mph	37.75	0.07	11.14	11.09	167.45	115.68	471.39	878.43	1,693.00
25 mph	-	-	-	-	318.02	219.69	2,062.76	3,843.98	6,444.46
35 mph	162.44	0.30	47.95	43.84	-	-	-	-	254.54
total	200.19	0.37	59.10	54.93	485.46	335.37	2,534.15	4,722.42	8,391.99

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	33.35	23.04	96.70	180.20	333.29
10 mph	15.49	0.03	4.57	22.33	319.95	221.03	839.38	1,564.19	2,986.96
15 mph	44.66	0.08	13.18	22.00	329.32	227.50	751.18	1,399.83	2,787.75
20 mph	12.62	0.02	3.73	18.53	267.26	184.63	1,568.38	2,922.69	4,977.85
25 mph	59.57	0.11	17.59	82.76	1,484.82	1,025.74	6,905.86	12,869.15	22,445.61
30 mph	67.66	0.13	19.97	96.96	1,385.17	956.90	5,824.30	10,853.64	19,204.73
35 mph	224.57	0.42	66.29	142.01	1,456.87	1,006.44	4,285.44	7,985.97	15,168.01
40 mph	28.99	0.05	8.56	55.75	881.08	608.67	4,173.14	7,776.69	13,532.93
45 mph	23.77	0.04	7.02	45.36	715.40	494.21	3,136.75	5,845.37	10,267.93
50 mph	24.95	0.05	7.36	48.65	771.90	533.24	2,827.44	5,268.97	9,482.55
55 mph	17.36	0.03	5.12	31.68	493.23	340.73	924.08	1,722.04	3,534.29
60 mph	26.43	0.05	7.80	40.34	591.01	408.28	35,727.41	66,578.43	103,379.75
65 mph	4.04	0.01	1.19	7.10	109.18	75.43	-	-	196.95
70 mph	54.41	0.10	16.06	151.32	2,598.70	1,795.23	-	-	4,615.84
total	604.53	1.13	178.46	764.79	11,403.89	7,878.03	66,963.36	124,786.97	212,581.15

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	50.21	1.89	11.91	15.78	-	-	-	91.85	171.65
15 mph	20.08	0.76	4.77	6.31	-	-	-	30.62	62.54
20 mph	40.17	1.52	9.53	12.63	-	-	-	61.24	125.08
25 mph	200.84	7.58	47.66	63.13	-	-	-	336.80	656.00
30 mph	220.92	8.33	52.42	69.44	-	-	-	306.18	657.30
35 mph	180.75	6.82	42.89	56.82	-	-	-	137.78	425.06
40 mph	60.25	2.27	14.30	18.94	-	-	-	153.09	248.85
45 mph	50.21	1.89	11.91	15.78	-	-	-	122.47	202.27
50 mph	50.21	1.89	11.91	15.78	-	-	-	199.02	278.82
55 mph	40.17	1.52	9.53	12.63	-	-	-	45.93	109.77
60 mph	80.34	3.03	19.06	25.25	-	-	-	45.93	173.61
65 mph	10.04	0.38	2.38	3.16	-	-	-	-	15.96
70 mph	-	-	-	-	-	-	-	-	-
total	1,004.19	37.88	238.28	315.64	-	-	-	1,530.91	3,126.90

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	4.15	0.16	0.99	2.73	-	-	-	-	8.02
15 mph	4.15	0.16	0.99	2.73	-	-	-	-	8.02
20 mph	4.15	0.16	0.99	2.73	-	-	-	110.39	118.41
25 mph	8.31	0.31	1.97	5.45	-	-	-	193.19	209.23
30 mph	16.61	0.63	3.94	10.90	-	-	-	331.18	363.27
35 mph	37.37	1.41	8.87	24.53	-	-	-	331.18	403.37
40 mph	41.53	1.57	9.85	27.26	-	-	-	303.58	383.79
45 mph	33.22	1.25	7.88	21.81	-	-	-	220.79	284.95
50 mph	37.37	1.41	8.87	24.53	-	-	-	110.39	182.58
55 mph	20.76	0.78	4.93	13.63	-	-	-	55.20	95.30
60 mph	12.46	0.47	2.96	8.18	-	-	-	3,863.80	3,887.86
65 mph	4.15	0.16	0.99	2.73	-	-	-	-	8.02
70 mph	191.02	7.21	45.33	125.40	-	-	-	-	368.95
total	415.26	15.66	98.54	272.60	-	-	-	5,519.71	6,321.77

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	10.58	10.58
15 mph	132.54	5.00	31.45	9.19	-	-	-	51.58	229.76
25 mph	-	-	-	-	-	-	-	225.73	225.73
35 mph	570.27	21.51	135.32	36.33	-	-	-	-	763.42
total	702.81	26.51	166.77	45.51	-	-	-	277.32	1,218.91

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	10.58	10.58
10 mph	54.36	2.05	12.90	18.51	-	-	-	91.85	179.67
15 mph	156.78	5.91	37.20	18.23	-	-	-	82.20	300.32
20 mph	44.32	1.67	10.52	15.35	-	-	-	171.63	243.49
25 mph	209.14	7.89	49.63	68.58	-	-	-	755.72	1,090.96
30 mph	237.53	8.96	56.36	80.34	-	-	-	637.37	1,020.57
35 mph	788.40	29.74	187.07	117.68	-	-	-	468.96	1,591.85
40 mph	101.78	3.84	24.15	46.20	-	-	-	456.68	632.64
45 mph	83.43	3.15	19.80	37.59	-	-	-	343.26	487.23
50 mph	87.58	3.30	20.78	40.32	-	-	-	309.41	461.40
55 mph	60.93	2.30	14.46	26.26	-	-	-	101.12	205.07
60 mph	92.79	3.50	22.02	33.43	-	-	-	3,909.73	4,061.47
65 mph	14.19	0.54	3.37	5.88	-	-	-	-	23.98
70 mph	191.02	7.21	45.33	125.40	-	-	-	-	368.95
total	1,490.53	56.22	353.68	318.69	-	-	-	2,207.74	10,667.59

World Logistics Center
Mobile Emissions - 2027 (Net) - Mitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	17626	330	0.21	3701.4	3532.8	37.4	131.2
	LDT1	15	1300	330	0.21	273.1	268.1	0.1	4.9
	LDT2	15	6508	330	0.21	1366.7	1324.5	11.0	31.1
	MDT	15	1961	330	0.21	411.8	391.6	11.0	9.1
	LHDT1	15	1723	330	0.21	361.8	194.8	167.0	0.0
	LHDT2	15	828	330	0.21	173.9	58.6	115.3	0.0
	MHDT	15	2637	330	0.21	553.9	86.1	467.8	0.0
	HHDT	15	4398	330	0.21	923.5	0.6	871.7	51.2
Travel at Light Logistics	LDA	15	127	175	0.11	13.9	13.3	0.1	0.5
	LDT1	15	9	175	0.11	1.0	1.0	0.0	0.0
	LDT2	15	47	175	0.11	5.1	5.0	0.0	0.1
	MDT	15	12	175	0.11	1.3	1.2	0.0	0.0
	LHDT1	15	7	175	0.11	0.8	0.4	0.4	0.0
	LHDT2	15	3	175	0.11	0.4	0.1	0.2	0.0
	MHDT	15	9	175	0.11	0.9	0.1	0.8	0.0
	HHDT	15	14	175	0.11	1.6	0.0	1.5	0.1
Travel at Utility	LDA	15	143	100	0.06	8.6	8.2	0.1	0.3
	LDT1	15	11	100	0.06	0.6	0.6	0.0	0.0
	LDT2	15	53	100	0.06	3.2	3.1	0.0	0.1
	MDT	15	31	100	0.06	1.8	1.7	0.0	0.0
	LHDT1	15	5	100	0.06	0.3	0.2	0.1	0.0
	LHDT2	15	2	100	0.06	0.1	0.0	0.1	0.0
	MHDT	15	9	100	0.06	0.5	0.1	0.5	0.0
	HHDT	15	15	100	0.06	0.9	0.0	0.8	0.0
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	93	50	0.03	2.8	0.4	2.4	0.0
	HHDT	15	155	50	0.03	4.7	0.0	4.4	0.3
Travel at Convenience Store	LDA	15	438	50	0.03	13.1	12.5	0.1	0.5
	LDT1	15	32	50	0.03	1.0	1.0	0.0	0.0
	LDT2	15	162	50	0.03	4.8	4.7	0.0	0.1
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	62	50	0.03	1.9	1.8	0.0	0.1
	LDT1	15	5	50	0.03	0.1	0.1	0.0	0.0
	LDT2	15	23	50	0.03	0.7	0.7	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	3568.6	270.8	1337.9	394.6	195.4	58.8	86.7	0.6
Diesel	37.8	0.1	11.1	11.1	167.4	115.7	471.4	878.4
Electric/Natural Gas (HHDT Only)	132.5	5.0	31.4	9.2	0.0	0.0	0.0	51.6

World Logistics Center
Mobile Emissions - 2027 (Net) - Mitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	861	464	398	0	2319.1	1987.7	0.0
	LHDT2	5	414	139	275	0	697.5	1373.1	0.0
	MHDT	5	1319	205	1114	0	1024.6	5568.9	0.0
	HHDT	5	2199	1	2076	122	7.2	10377.7	609.4
Travel at Light Logistics	LHDT1	5	3	2	2	0	9.3	8.0	0.0
	LHDT2	5	2	1	1	0	2.8	5.5	0.0
	MHDT	5	4	1	4	0	3.3	18.0	0.0
	HHDT	5	7	0	7	0	0.0	33.6	2.0
Travel at Utility	LHDT1	5	2	1	1	0	6.3	5.4	0.0
	LHDT2	5	1	0	1	0	1.9	3.7	0.0
	MHDT	5	4	1	4	0	3.4	18.8	0.0
	HHDT	5	7	0	7	0	0.0	34.9	2.1
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	46	7	39	0	36.1	196.3	0.0
	HHDT	5	78	0	73	4	0.3	365.9	21.5
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	38.9	11.7	17.8	0.2
Diesel	33.4	23.0	96.7	180.2
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	10.6

World Logistics Center
Mobile Emissions - 2027 (Net) - Mitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					15.8217	15.9708	27.0565	11.6168
10 mph	0.0235	0.0619	0.0425	0.0530	0.0651	0.0478	0.1162	1.4889
15 mph	0.0158	0.0421	0.0287	0.0357	0.0445	0.0323	0.0779	0.9868
20 mph	0.0111	0.0303	0.0204	0.0254	0.0326	0.0231	0.0554	0.6996
25 mph	0.0082	0.0227	0.0151	0.0189	0.0247	0.0172	0.0406	0.5193
30 mph	0.0063	0.0179	0.0117	0.0147	0.0196	0.0135	0.0312	0.4074
35 mph	0.0052	0.0148	0.0096	0.0121	0.0166	0.0111	0.0254	0.3379
40 mph	0.0045	0.0129	0.0083	0.0105	0.0148	0.0098	0.0222	0.2958
45 mph	0.0041	0.0118	0.0076	0.0096	0.0138	0.0090	0.0202	0.2723
50 mph	0.0040	0.0114	0.0073	0.0093	0.0136	0.0087	0.0195	0.2637
55 mph	0.0040	0.0114	0.0074	0.0094	0.0141	0.0090	0.0201	0.2699
60 mph	0.0042	0.0119	0.0077	0.0099	0.0151	0.0096	0.0216	0.2887
65 mph	0.0047	0.0130	0.0085	0.0109	0.0172	0.0109		
70 mph	0.0049	0.0154	0.0089	0.0118	0.0179	0.0103		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5054	2.3680
10 mph	0.1006	0.4230	0.1939	0.1043	0.5452	0.5472	0.0325	0.0830
15 mph	0.0511	0.2815	0.0951	0.0515	0.2790	0.2793	0.0181	0.0455
20 mph	0.0220	0.1958	0.0375	0.0209	0.1248	0.1238	0.0123	0.0282
25 mph	0.0140	0.1523	0.0227	0.0130	0.0813	0.0803	0.0096	0.0233
30 mph	0.0107	0.1265	0.0172	0.0099	0.0640	0.0629	0.0078	0.0188
35 mph	0.0087	0.1103	0.0137	0.0081	0.0535	0.0522	0.0064	0.0155
40 mph	0.0073	0.1003	0.0114	0.0067	0.0465	0.0451	0.0055	0.0133
45 mph	0.0064	0.0951	0.0097	0.0058	0.0417	0.0402	0.0051	0.0123
50 mph	0.0058	0.0947	0.0084	0.0052	0.0390	0.0374	0.0051	0.0123
55 mph	0.0054	0.0988	0.0075	0.0047	0.0372	0.0356	0.0056	0.0137
60 mph	0.0055	0.1075	0.0071	0.0046	0.0376	0.0359	0.0066	0.0190
65 mph	0.0057	0.1233	0.0072	0.0047	0.0428	0.0403		
70 mph	0.0058	0.1441	0.0074	0.0052	0.0676	0.0585		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0697
10 mph								0.5789
15 mph								0.3630
20 mph								0.2331
25 mph								0.1722
30 mph								0.1314
35 mph								0.1008
40 mph								0.0780
45 mph								0.0613
50 mph								0.0492
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0700	0.0140	0.0475	0.0792	0.0441	0.0098	0.0396	0.0035	0.3076
15 mph	0.0188	0.0038	0.0128	0.0214	0.0121	0.0026	0.0088	0.0008	0.0811
20 mph	0.0265	0.0055	0.0182	0.0304	0.0177	0.0038	0.0126	0.0011	0.1157
25 mph	0.0976	0.0205	0.0674	0.1127	0.0669	0.0140	0.0507	0.0045	0.4344
30 mph	0.0831	0.0178	0.0577	0.0968	0.0586	0.0121	0.0354	0.0032	0.3647
35 mph	0.0554	0.0120	0.0386	0.0649	0.0404	0.0082	0.0130	0.0012	0.2337
40 mph	0.0160	0.0035	0.0112	0.0188	0.0120	0.0024	0.0126	0.0012	0.0777
45 mph	0.0123	0.0027	0.0085	0.0144	0.0094	0.0018	0.0092	0.0009	0.0591
50 mph	0.0118	0.0026	0.0082	0.0139	0.0092	0.0018	0.0144	0.0014	0.0632
55 mph	0.0096	0.0021	0.0066	0.0112	0.0076	0.0015	0.0034	0.0003	0.0423
60 mph	0.0201	0.0043	0.0138	0.0236	0.0164	0.0031	0.0037	0.0003	0.0854
65 mph	0.0028	0.0006	0.0019	0.0032	0.0023	0.0004	-	-	0.0113
70 mph	-	-	-	-	-	-	-	-	-
total	0.4240	0.0894	0.2926	0.4905	0.2967	0.0615	0.2032	0.0185	1.8763

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0058	0.0012	0.0039	0.0137	0.0095	0.0021	-	-	0.0361
15 mph	0.0039	0.0008	0.0026	0.0092	0.0065	0.0014	-	-	0.0244
20 mph	0.0027	0.0006	0.0019	0.0066	0.0047	0.0010	0.0227	0.0020	0.0422
25 mph	0.0040	0.0008	0.0028	0.0097	0.0072	0.0015	0.0291	0.0026	0.0577
30 mph	0.0062	0.0013	0.0043	0.0152	0.0114	0.0024	0.0383	0.0035	0.0826
35 mph	0.0115	0.0025	0.0080	0.0280	0.0217	0.0044	0.0312	0.0029	0.1101
40 mph	0.0110	0.0024	0.0077	0.0271	0.0215	0.0043	0.0250	0.0023	0.1013
45 mph	0.0081	0.0018	0.0057	0.0199	0.0161	0.0032	0.0165	0.0016	0.0728
50 mph	0.0088	0.0019	0.0061	0.0216	0.0177	0.0034	0.0080	0.0008	0.0683
55 mph	0.0049	0.0011	0.0034	0.0121	0.0102	0.0020	0.0041	0.0004	0.0383
60 mph	0.0031	0.0007	0.0021	0.0076	0.0066	0.0013	0.3088	0.0289	0.3591
65 mph	0.0011	0.0002	0.0008	0.0028	0.0025	0.0005	-	-	0.0080
70 mph	0.0556	0.0132	0.0376	0.1400	0.1199	0.0207	-	-	0.3871
total	0.1270	0.0285	0.0870	0.3136	0.2555	0.0480	0.4835	0.0449	1.3880

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.3575	0.4121	1.0614	0.0046	2.8356
15 mph	0.1242	0.0251	0.0846	0.0311	0.0192	0.0042	0.0149	0.0013	0.3045
25 mph	-	-	-	-	0.0202	0.0042	0.0340	0.0030	0.0614
35 mph	0.1747	0.0380	0.1218	0.0415	-	-	-	-	0.3761
total	0.2989	0.0631	0.2064	0.0726	1.3969	0.4205	1.1103	0.0089	3.5777

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.3575	0.4121	1.0614	0.0046	2.8356
10 mph	0.0758	0.0152	0.0514	0.0928	0.0536	0.0118	0.0396	0.0035	0.3437
15 mph	0.1469	0.0297	0.1000	0.0617	0.0377	0.0082	0.0237	0.0021	0.4101
20 mph	0.0292	0.0060	0.0201	0.0369	0.0224	0.0048	0.0352	0.0031	0.1579
25 mph	0.1016	0.0214	0.0702	0.1224	0.0943	0.0198	0.1137	0.0102	0.5535
30 mph	0.0894	0.0191	0.0621	0.1119	0.0700	0.0144	0.0736	0.0067	0.4473
35 mph	0.2416	0.0525	0.1685	0.1345	0.0621	0.0125	0.0441	0.0041	0.7199
40 mph	0.0271	0.0059	0.0189	0.0459	0.0335	0.0067	0.0375	0.0035	0.1790
45 mph	0.0204	0.0044	0.0142	0.0343	0.0255	0.0050	0.0257	0.0024	0.1319
50 mph	0.0206	0.0045	0.0143	0.0355	0.0269	0.0052	0.0224	0.0021	0.1315
55 mph	0.0145	0.0031	0.0100	0.0234	0.0179	0.0034	0.0075	0.0007	0.0806
60 mph	0.0233	0.0050	0.0160	0.0312	0.0229	0.0044	0.3125	0.0292	0.4445
65 mph	0.0039	0.0008	0.0027	0.0061	0.0048	0.0009	-	-	0.0193
70 mph	0.0556	0.0132	0.0376	0.1400	0.1199	0.0207	-	-	0.3871
total	0.8498	0.1810	0.5860	0.8767	1.9490	0.5301	1.7970	0.0723	6.8420

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0032	0.0000	0.0018	0.0044	0.3167	0.2196	0.0601	0.2862	0.8921
15 mph	0.0006	0.0000	0.0004	0.0009	0.0648	0.0448	0.0111	0.0523	0.1749
20 mph	0.0006	0.0000	0.0003	0.0007	0.0580	0.0398	0.0151	0.0649	0.1793
25 mph	0.0018	0.0000	0.0008	0.0022	0.1889	0.1288	0.0654	0.2944	0.6824
30 mph	0.0015	0.0000	0.0007	0.0018	0.1636	0.1111	0.0481	0.2164	0.5432
35 mph	0.0010	0.0000	0.0005	0.0012	0.1120	0.0754	0.0178	0.0802	0.2881
40 mph	0.0003	0.0000	0.0001	0.0003	0.0324	0.0217	0.0170	0.0767	0.1486
45 mph	0.0002	0.0000	0.0001	0.0002	0.0242	0.0161	0.0125	0.0566	0.1100
50 mph	0.0002	0.0000	0.0001	0.0002	0.0226	0.0150	0.0204	0.0920	0.1506
55 mph	0.0001	0.0000	0.0001	0.0002	0.0173	0.0114	0.0052	0.0236	0.0578
60 mph	0.0003	0.0000	0.0001	0.0003	0.0350	0.0230	0.0061	0.0328	0.0976
65 mph	0.0000	0.0000	0.0000	0.0000	0.0050	0.0032	-	-	0.0083
70 mph	-	-	-	-	-	-	-	-	-
total	0.0097	0.0002	0.0049	0.0125	1.0405	0.7101	0.2789	1.2761	3.3329

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0003	0.0000	0.0001	0.0008	0.0679	0.0471	-	-	0.1162
15 mph	0.0001	0.0000	0.0001	0.0004	0.0348	0.0240	-	-	0.0594
20 mph	0.0001	0.0000	0.0000	0.0002	0.0156	0.0107	0.0273	0.1170	0.1707
25 mph	0.0001	0.0000	0.0000	0.0002	0.0203	0.0138	0.0375	0.1689	0.2408
30 mph	0.0001	0.0000	0.0001	0.0003	0.0319	0.0217	0.0520	0.2340	0.3401
35 mph	0.0002	0.0000	0.0001	0.0005	0.0600	0.0404	0.0428	0.1929	0.3370
40 mph	0.0002	0.0000	0.0001	0.0005	0.0579	0.0388	0.0337	0.1522	0.2834
45 mph	0.0001	0.0000	0.0001	0.0003	0.0415	0.0277	0.0226	0.1020	0.1943
50 mph	0.0001	0.0000	0.0001	0.0003	0.0437	0.0290	0.0113	0.0510	0.1356
55 mph	0.0001	0.0000	0.0000	0.0002	0.0231	0.0153	0.0062	0.0284	0.0733
60 mph	0.0000	0.0000	0.0000	0.0001	0.0141	0.0093	0.5104	2.7608	3.2946
65 mph	0.0000	0.0000	0.0000	0.0000	0.0053	0.0035	-	-	0.0089
70 mph	0.0007	0.0000	0.0003	0.0017	0.3872	0.2314	-	-	0.6214
total	0.0021	0.0001	0.0010	0.0055	0.8033	0.5126	0.7439	3.8071	5.8755

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2333	0.1612	0.1078	0.9409	1.4432
15 mph	0.0043	0.0000	0.0023	0.0013	0.1030	0.0712	0.0188	0.0880	0.2890
25 mph	-	-	-	-	0.0570	0.0389	0.0438	0.1973	0.3370
35 mph	0.0031	0.0001	0.0014	0.0008	-	-	-	-	0.0054
total	0.0074	0.0001	0.0038	0.0020	0.3934	0.2713	0.1704	1.2263	2.0746

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2333	0.1612	0.1078	0.9409	1.4432
10 mph	0.0034	0.0000	0.0020	0.0051	0.3846	0.2667	0.0601	0.2862	1.0083
15 mph	0.0050	0.0001	0.0028	0.0025	0.2026	0.1401	0.0299	0.1403	0.5233
20 mph	0.0006	0.0000	0.0003	0.0009	0.0736	0.0504	0.0424	0.1818	0.3500
25 mph	0.0018	0.0000	0.0009	0.0024	0.2662	0.1815	0.1467	0.6606	1.2602
30 mph	0.0016	0.0000	0.0008	0.0021	0.1955	0.1327	0.1001	0.4504	0.8832
35 mph	0.0043	0.0001	0.0020	0.0025	0.1720	0.1159	0.0607	0.2731	0.6306
40 mph	0.0005	0.0000	0.0002	0.0008	0.0903	0.0605	0.0507	0.2289	0.4320
45 mph	0.0003	0.0000	0.0001	0.0006	0.0657	0.0438	0.0351	0.1586	0.3043
50 mph	0.0003	0.0000	0.0001	0.0006	0.0664	0.0440	0.0318	0.1430	0.2861
55 mph	0.0002	0.0000	0.0001	0.0003	0.0404	0.0267	0.0114	0.0520	0.1311
60 mph	0.0003	0.0000	0.0001	0.0004	0.0490	0.0323	0.5165	2.7936	3.3922
65 mph	0.0001	0.0000	0.0000	0.0001	0.0103	0.0067	-	-	0.0172
70 mph	0.0007	0.0000	0.0003	0.0017	0.3872	0.2314	-	-	0.6214
total	0.0192	0.0003	0.0097	0.0200	2.2372	1.4940	1.1932	6.3094	11.2831

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1172	0.1172
15 mph								0.0245	0.0245
20 mph								0.0315	0.0315
25 mph								0.1279	0.1279
30 mph								0.0887	0.0887
35 mph								0.0306	0.0306
40 mph								0.0263	0.0263
45 mph								0.0165	0.0165
50 mph								0.0216	0.0216
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.4850	0.4850

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0567	0.0567
25 mph								0.0734	0.0734
30 mph								0.0960	0.0960
35 mph								0.0736	0.0736
40 mph								0.0522	0.0522
45 mph								0.0298	0.0298
50 mph								0.0120	0.0120
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.2997	0.2997

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0016	0.0016
15 mph								0.0413	0.0413
25 mph								0.0857	0.0857
35 mph								-	-
total	-	-	-	-	-	-	-	0.1286	0.1286

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0016	0.0016
10 mph								0.1172	0.1172
15 mph								0.0658	0.0658
20 mph								0.0882	0.0882
25 mph								0.2870	0.2870
30 mph								0.1847	0.1847
35 mph								0.1043	0.1043
40 mph								0.0786	0.0786
45 mph								0.0464	0.0464
50 mph								0.0336	0.0336
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.0074	1.0074

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2870	0.8034	0.4992	0.5518	0.8761	0.7672	0.4635	0.8110
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS + HOTSOAK Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.9215	0.1958	0.6010	2.0081	1.0924	0.2877	0.2759	0.0034
Electric/NG	-	-	-	-	-	-	-	-
Total	**0.9215**	**0.1958**	**0.6010**	**2.0081**	**1.0924**	**0.2877**	**0.2759**	**0.0034**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3706	0.7976	0.6056	0.7489	0.0762	0.0701	0.0553	0.0802
Electric/NG	0.0315	0.0313	0.0314	0.0314	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.5949	0.0972	0.3645	1.3629	0.0475	0.0131	0.0164	0.0002
Electric/NG	0.0019	0.0001	0.0004	0.0013	-	-	-	-
Total	0.5968	0.0972	0.3650	1.3642	0.0475	0.0131	0.0164	0.0002

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1563	0.2338	0.2226	0.2736	0.0906	0.0909	0.1745	0.0015
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.5019	0.0570	0.2680	0.9958	0.1129	0.0341	0.1038	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.5019	0.0570	0.2680	0.9958	0.1129	0.0341	0.1038	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.5909	0.5733	1.1692	0.9471	4.2805
10 mph	0.0792	0.0152	0.0533	0.0980	0.4383	0.2785	0.0997	0.4070	1.4692
15 mph	0.1519	0.0298	0.1028	0.0642	0.2403	0.1483	0.0537	0.2082	0.9992
20 mph	0.0298	0.0061	0.0204	0.0378	0.0960	0.0552	0.0777	0.2732	0.5961
25 mph	0.1034	0.0214	0.0711	0.1248	0.3604	0.2013	0.2604	0.9578	2.1007
30 mph	0.0910	0.0192	0.0628	0.1141	0.2655	0.1471	0.1737	0.6418	1.5153
35 mph	0.2459	0.0526	0.1705	0.1370	0.2340	0.1284	0.1048	0.3815	1.4548
40 mph	0.0275	0.0059	0.0191	0.0468	0.1239	0.0672	0.0883	0.3110	0.6896
45 mph	0.0207	0.0044	0.0143	0.0349	0.0912	0.0488	0.0607	0.2074	0.4826
50 mph	0.0209	0.0045	0.0144	0.0360	0.0933	0.0492	0.0542	0.1787	0.4512
55 mph	0.0147	0.0031	0.0101	0.0237	0.0583	0.0302	0.0189	0.0527	0.2117
60 mph	0.0236	0.0050	0.0161	0.0317	0.0720	0.0367	0.8290	2.8228	3.8367
65 mph	0.0040	0.0008	0.0027	0.0061	0.0151	0.0076	-	-	0.0364
70 mph	0.0563	0.0133	0.0379	0.1417	0.5071	0.2521	-	-	1.0085
RUNLOSS HO	0.9215	0.1958	0.6010	2.0081	1.0924	0.2877	0.2759	0.0034	5.3857
RESTLOSS DIL	0.5968	0.0972	0.3650	1.3642	0.0475	0.0131	0.0164	0.0002	2.5005
STREX	0.5019	0.0570	0.2680	0.9958	0.1129	0.0341	0.1038	0.0000	2.0736
total	2.8893	0.5313	1.8296	5.2649	5.4391	2.3590	3.3864	7.3927	**29.0922**

World Logistics Center
Mobile Emissions - 2027 (Net) - Mitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.3800	1.3921	2.4039	27.5498
10 mph	0.0403	0.1068	0.0795	0.0970	0.1737	0.1877	0.3484	4.9001
15 mph	0.0355	0.0920	0.0692	0.0845	0.1535	0.1649	0.3097	4.3351
20 mph	0.0318	0.0814	0.0616	0.0754	0.1420	0.1499	0.2812	3.9564
25 mph	0.0289	0.0729	0.0555	0.0681	0.1315	0.1371	0.2542	3.6432
30 mph	0.0266	0.0670	0.0509	0.0628	0.1243	0.1278	0.2326	3.4200
35 mph	0.0250	0.0629	0.0476	0.0590	0.1198	0.1213	0.2170	3.2664
40 mph	0.0238	0.0602	0.0454	0.0564	0.1165	0.1165	0.2080	3.1549
45 mph	0.0231	0.0588	0.0441	0.0549	0.1146	0.1134	0.2002	3.0855
50 mph	0.0228	0.0591	0.0438	0.0547	0.1149	0.1121	0.1981	3.0660
55 mph	0.0232	0.0611	0.0449	0.0560	0.1179	0.1141	0.2019	3.1216
60 mph	0.0241	0.0651	0.0473	0.0589	0.1223	0.1185	0.2092	3.2249
65 mph	0.0252	0.0700	0.0498	0.0624	0.1291	0.1243		
70 mph	0.0259	0.0793	0.0508	0.0665	0.1448	0.1254		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					45.3818	45.7233	29.2571	28.0106
10 mph	0.0797	0.6096	0.1264	0.0779	0.7879	0.7540	5.0426	10.6708
15 mph	0.0592	0.6165	0.0858	0.0547	0.6716	0.6475	3.5490	7.4630
20 mph	0.0449	0.6298	0.0578	0.0392	0.6628	0.6288	2.8224	5.2595
25 mph	0.0385	0.6463	0.0450	0.0325	0.6603	0.6223	2.2021	4.4104
30 mph	0.0351	0.6654	0.0383	0.0293	0.6920	0.6450	1.6464	3.2987
35 mph	0.0329	0.6835	0.0338	0.0275	0.7467	0.6845	1.2036	2.4163
40 mph	0.0317	0.7084	0.0307	0.0262	0.7933	0.7204	0.8732	1.7674
45 mph	0.0312	0.7370	0.0284	0.0251	0.8266	0.7481	0.6570	1.3455
50 mph	0.0311	0.7632	0.0267	0.0248	0.8750	0.7896	0.5565	1.1369
55 mph	0.0309	0.7954	0.0254	0.0244	0.8910	0.8075	0.5704	1.2164
60 mph	0.0315	0.8257	0.0250	0.0245	0.9058	0.8203	0.6995	1.4581
65 mph	0.0316	0.8433	0.0253	0.0255	1.0208	0.9152		
70 mph	0.0333	0.8210	0.0275	0.0308	1.8705	1.5320		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								33.2734
10 mph								3.4348
15 mph								2.5581
20 mph								2.0034
25 mph								1.7236
30 mph								1.5566
35 mph								1.4345
40 mph								1.3426
45 mph								1.2734
50 mph								1.2226
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1202	0.0242	0.0888	0.1450	0.1178	0.0383	0.1186	0.0117	0.6645
15 mph	0.0423	0.0083	0.0309	0.0505	0.0416	0.0134	0.0352	0.0034	0.2258
20 mph	0.0759	0.0147	0.0551	0.0902	0.0770	0.0244	0.0638	0.0063	0.4075
25 mph	0.3442	0.0660	0.2479	0.4071	0.3564	0.1118	0.3174	0.0318	1.8825
30 mph	0.3495	0.0667	0.2505	0.4130	0.3708	0.1146	0.2640	0.0271	1.8563
35 mph	0.2681	0.0512	0.1915	0.3174	0.2924	0.0890	0.1108	0.0117	1.3320
40 mph	0.0852	0.0163	0.0609	0.1012	0.0948	0.0285	0.1180	0.0125	0.5174
45 mph	0.0689	0.0133	0.0493	0.0820	0.0777	0.0231	0.0909	0.0098	0.4150
50 mph	0.0681	0.0134	0.0489	0.0817	0.0779	0.0228	0.1462	0.0158	0.4748
55 mph	0.0552	0.0111	0.0402	0.0670	0.0639	0.0186	0.0344	0.0037	0.2941
60 mph	0.1152	0.0236	0.0846	0.1410	0.1326	0.0386	0.0356	0.0038	0.5749
65 mph	0.0150	0.0032	0.0111	0.0186	0.0175	0.0051	-	-	0.0705
70 mph	-	-	-	-	-	-	-	-	-
total	1.6078	0.3119	1.1598	1.9147	1.7203	0.5283	1.3349	0.1376	8.7153

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0099	0.0020	0.0073	0.0250	0.0253	0.0082	-	-	0.0778
15 mph	0.0088	0.0017	0.0064	0.0218	0.0223	0.0072	-	-	0.0682
20 mph	0.0078	0.0015	0.0057	0.0195	0.0206	0.0066	0.1151	0.0113	0.1881
25 mph	0.0142	0.0027	0.0103	0.0352	0.0382	0.0120	0.1820	0.0182	0.3128
30 mph	0.0263	0.0050	0.0188	0.0649	0.0723	0.0223	0.2856	0.0293	0.5245
35 mph	0.0554	0.0106	0.0396	0.1371	0.1567	0.0477	0.2664	0.0280	0.7416
40 mph	0.0587	0.0113	0.0420	0.1456	0.1694	0.0509	0.2341	0.0248	0.7367
45 mph	0.0456	0.0088	0.0326	0.1134	0.1332	0.0396	0.1639	0.0176	0.5548
50 mph	0.0507	0.0099	0.0364	0.1270	0.1503	0.0441	0.0811	0.0088	0.5083
55 mph	0.0285	0.0057	0.0208	0.0723	0.0857	0.0249	0.0413	0.0045	0.2837
60 mph	0.0179	0.0037	0.0131	0.0457	0.0533	0.0155	2.9964	0.3228	3.4683
65 mph	0.0062	0.0013	0.0046	0.0161	0.0188	0.0054	-	-	0.0524
70 mph	0.2937	0.0682	0.2161	0.7897	0.9683	0.2522	-	-	2.5883
total	0.6238	0.1325	0.4538	1.6132	1.9144	0.5367	4.3658	0.4654	10.1055

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1184	0.0359	0.0943	0.0109	0.2595
15 mph	0.2795	0.0549	0.2041	0.0735	0.0661	0.0214	0.0592	0.0058	0.7645
25 mph	-	-	-	-	0.1076	0.0337	0.2127	0.0213	0.3753
35 mph	0.8457	0.1616	0.6041	0.2029	-	-	-	-	1.8143
total	1.1252	0.2165	0.8082	0.2764	0.2921	0.0910	0.3662	0.0380	3.2136

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1184	0.0359	0.0943	0.0109	0.2595
10 mph	0.1302	0.0262	0.0961	0.1700	0.1430	0.0465	0.1186	0.0117	0.7422
15 mph	0.3306	0.0649	0.2414	0.1458	0.1301	0.0420	0.0944	0.0092	1.0585
20 mph	0.0838	0.0162	0.0608	0.1096	0.0977	0.0310	0.1789	0.0176	0.5956
25 mph	0.3584	0.0687	0.2582	0.4422	0.5022	0.1575	0.7121	0.0713	2.5706
30 mph	0.3758	0.0717	0.2693	0.4779	0.4431	0.1370	0.5496	0.0565	2.3809
35 mph	1.1692	0.2234	0.8352	0.6574	0.4491	0.1367	0.3773	0.0397	3.8880
40 mph	0.1440	0.0276	0.1028	0.2468	0.2641	0.0794	0.3521	0.0373	1.2542
45 mph	0.1144	0.0221	0.0820	0.1954	0.2109	0.0627	0.2548	0.0274	0.9698
50 mph	0.1187	0.0233	0.0854	0.2087	0.2282	0.0669	0.2272	0.0246	0.9830
55 mph	0.0838	0.0168	0.0609	0.1393	0.1496	0.0436	0.0757	0.0082	0.5778
60 mph	0.1330	0.0272	0.0977	0.1866	0.1859	0.0542	3.0320	0.3266	4.0432
65 mph	0.0212	0.0045	0.0157	0.0347	0.0363	0.0105	-	-	0.1230
70 mph	0.2937	0.0682	0.2161	0.7897	0.9683	0.2522	-	-	2.5883
total	3.3568	0.6609	2.4218	3.8042	3.9268	1.1561	6.0670	0.6409	22.0345

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0025	0.0000	0.0012	0.0033	0.4577	0.3026	9.3329	36.8041	46.9043
15 mph	0.0007	0.0000	0.0003	0.0009	0.1561	0.1039	2.1895	8.5801	11.0316
20 mph	0.0011	0.0000	0.0004	0.0013	0.3080	0.2019	3.4825	12.0934	16.0886
25 mph	0.0049	0.0002	0.0017	0.0055	1.5342	0.9989	14.9441	55.7754	73.2648
30 mph	0.0049	0.0002	0.0016	0.0054	1.7689	1.1389	10.1572	37.9239	51.0009
35 mph	0.0037	0.0001	0.0011	0.0042	1.5616	0.9890	3.3414	12.5006	18.4018
40 mph	0.0012	0.0001	0.0003	0.0013	0.5530	0.3469	2.6934	10.1597	13.7560
45 mph	0.0010	0.0000	0.0003	0.0011	0.4802	0.3002	1.6213	6.1874	8.5916
50 mph	0.0010	0.0000	0.0002	0.0010	0.5083	0.3169	2.2317	8.4961	11.5553
55 mph	0.0008	0.0000	0.0002	0.0008	0.4141	0.2593	0.5279	2.0976	3.3007
60 mph	0.0016	0.0001	0.0004	0.0016	0.8419	0.5267	0.6474	2.5145	4.5342
65 mph	0.0002	0.0000	0.0000	0.0002	0.1186	0.0735	-	-	0.1925
70 mph	-	-	-	-	-	-	-	-	-
total	0.0236	0.0008	0.0078	0.0266	8.7026	5.5586	51.1695	193.1328	258.6224

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0002	0.0000	0.0001	0.0006	0.0982	0.0649	-	-	0.1639
15 mph	0.0002	0.0000	0.0001	0.0004	0.0837	0.0557	-	-	0.1400
20 mph	0.0001	0.0000	0.0000	0.0003	0.0826	0.0541	6.2781	21.8013	28.2165
25 mph	0.0002	0.0000	0.0001	0.0005	0.1645	0.1071	8.5720	31.9929	40.8373
30 mph	0.0004	0.0000	0.0001	0.0009	0.3448	0.2220	10.9865	41.0205	52.5752
35 mph	0.0008	0.0000	0.0002	0.0018	0.8371	0.5302	8.0317	30.0474	39.4493
40 mph	0.0008	0.0000	0.0002	0.0019	0.9882	0.6199	5.3412	20.1471	27.0993
45 mph	0.0007	0.0000	0.0002	0.0015	0.8238	0.5150	2.9229	11.1544	15.4184
50 mph	0.0007	0.0000	0.0002	0.0016	0.9810	0.6115	1.2379	4.7127	7.5457
55 mph	0.0004	0.0000	0.0001	0.0009	0.5550	0.3475	0.6344	2.5210	4.0593
60 mph	0.0002	0.0000	0.0001	0.0005	0.3385	0.2118	54.4617	211.5398	266.5526
65 mph	0.0001	0.0000	0.0000	0.0002	0.1272	0.0788	-	-	0.2062
70 mph	0.0040	0.0002	0.0010	0.0103	10.7185	6.0643	-	-	16.7982
total	0.0088	0.0004	0.0024	0.0212	16.1429	9.4827	98.4664	374.9373	499.0621

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.3373	2.3228	6.2383	11.1299	23.0283
15 mph	0.0049	0.0001	0.0021	0.0013	0.2480	0.1652	3.6889	14.4554	18.5659
25 mph	-	-	-	-	0.4630	0.3014	10.0159	37.3821	48.1625
35 mph	0.0118	0.0005	0.0036	0.0027	-	-	-	-	0.0185
total	0.0167	0.0006	0.0057	0.0040	4.0483	2.7895	19.9431	62.9674	89.7753

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.3373	2.3228	6.2383	11.1299	23.0283
10 mph	0.0027	0.0000	0.0013	0.0038	0.5559	0.3675	9.3329	36.8041	47.0682
15 mph	0.0058	0.0001	0.0025	0.0027	0.4877	0.3248	5.8784	23.0355	29.7375
20 mph	0.0013	0.0000	0.0005	0.0016	0.3906	0.2560	9.7606	33.8947	44.3052
25 mph	0.0051	0.0002	0.0017	0.0059	2.1617	1.4075	33.5321	125.1505	162.2646
30 mph	0.0052	0.0002	0.0017	0.0063	2.1137	1.3609	21.1437	78.9444	103.5762
35 mph	0.0163	0.0006	0.0049	0.0086	2.3987	1.5191	11.3732	42.5481	57.8696
40 mph	0.0020	0.0001	0.0006	0.0032	1.5412	0.9668	8.0346	30.3068	40.8554
45 mph	0.0016	0.0001	0.0004	0.0025	1.3039	0.8153	4.5442	17.3419	24.0100
50 mph	0.0017	0.0001	0.0004	0.0027	1.4893	0.9284	3.4696	13.2088	19.1010
55 mph	0.0012	0.0001	0.0003	0.0017	0.9691	0.6067	1.1623	4.6187	7.3600
60 mph	0.0018	0.0001	0.0004	0.0022	1.1805	0.7385	55.1091	214.0543	271.0868
65 mph	0.0003	0.0000	0.0001	0.0004	0.2458	0.1522	-	-	0.3987
70 mph	0.0040	0.0002	0.0010	0.0103	10.7185	6.0643	-	-	16.7982
total	0.0490	0.0017	0.0158	0.0519	28.8939	17.8308	169.5790	631.0376	847.4597

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.6957	0.6957
15 mph								0.1727	0.1727
20 mph								0.2705	0.2705
25 mph								1.2800	1.2800
30 mph								1.0509	1.0509
35 mph								0.4358	0.4358
40 mph								0.4532	0.4532
45 mph								0.3439	0.3439
50 mph								0.5365	0.5365
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.2392	5.2392

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.4877	0.4877
25 mph								0.7342	0.7342
30 mph								1.1367	1.1367
35 mph								1.0475	1.0475
40 mph								0.8987	0.8987
45 mph								0.6199	0.6199
50 mph								0.2976	0.2976
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.4061	3.4061

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.7764	0.7764
15 mph								0.2910	0.2910
25 mph								0.8579	0.8579
35 mph								-	-
total	-	-	-	-	-	-	-	1.9252	1.9252

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.7764	0.7764
10 mph								0.6957	0.6957
15 mph								0.4637	0.4637
20 mph								0.7582	0.7582
25 mph								2.8721	2.8721
30 mph								2.1876	2.1876
35 mph								1.4833	1.4833
40 mph								1.3519	1.3519
45 mph								0.9638	0.9638
50 mph								0.8341	0.8341
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	12.3868	12.3868

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.4557	2.3588	6.3326	11.9171	24.0642
10 mph	0.1329	0.0262	0.0974	0.1739	0.6989	0.4139	9.4516	37.5114	48.5062
15 mph	0.3364	0.0651	0.2439	0.1485	0.6178	0.3668	5.9728	23.5084	31.2597
20 mph	0.0850	0.0163	0.0613	0.1112	0.4882	0.2870	9.9395	34.6704	45.6589
25 mph	0.3635	0.0689	0.2599	0.4482	2.6639	1.5649	34.2442	128.0939	167.7073
30 mph	0.3810	0.0719	0.2710	0.4842	2.5568	1.4979	21.6933	81.1885	108.1446
35 mph	1.1855	0.2240	0.8401	0.6660	2.8479	1.6558	11.7505	44.0711	63.2409
40 mph	0.1460	0.0277	0.1034	0.2500	1.8053	1.0463	8.3867	31.6961	43.4615
45 mph	0.1161	0.0222	0.0824	0.1979	1.5148	0.8780	4.7990	18.3331	25.9436
50 mph	0.1204	0.0234	0.0858	0.2114	1.7175	0.9953	3.6968	14.0675	20.9181
55 mph	0.0850	0.0168	0.0612	0.1410	1.1187	0.6503	1.2380	4.6269	7.9378
60 mph	0.1348	0.0273	0.0981	0.1888	1.3664	0.7926	58.1410	214.3809	275.1300
65 mph	0.0215	0.0045	0.0158	0.0351	0.2820	0.1627	-	-	0.5217
70 mph	0.2977	0.0684	0.2171	0.8000	11.6868	6.3164	-	-	19.3864
STREX	0.4720	0.0470	0.2432	0.8849	0.5419	0.1680	7.1581	14.7656	24.2806
total	3.8778	0.7096	2.6808	4.7410	33.3626	19.1548	182.8041	658.8309	**906.1616**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1470	0.1929	0.2020	0.2431	0.4346	0.4479	0.3345	0.2821
Diesel	-	-	-	-	-	-	2.1512	2.4491
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.4720	0.0470	0.2432	0.8849	0.5419	0.1680	0.1991	0.0012
Diesel	-	-	-	-	-	-	6.9590	14.7644
Electric/NG	-	-	-	-	-	-	-	-
Total	0.4720	0.0470	0.2432	0.8849	0.5419	0.1680	7.1581	14.7656

World Logistics Center
Mobile Emissions - 2027 (Net) - Mitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					154.5102	154.7593	386.6908	278.0035
10 mph	0.8695	1.5037	1.1877	1.3040	0.9020	0.5929	1.2085	50.3680
15 mph	0.7928	1.3483	1.0772	1.1798	0.7373	0.5158	1.0957	45.2757
20 mph	0.7253	1.2220	0.9828	1.0749	0.6358	0.4587	1.0063	41.1704
25 mph	0.6640	1.1092	0.8966	0.9805	0.5524	0.4086	0.9072	37.5065
30 mph	0.6095	1.0130	0.8208	0.8984	0.4926	0.3682	0.8177	34.3315
35 mph	0.5612	0.9318	0.7543	0.8271	0.4526	0.3369	0.7448	31.6237
40 mph	0.5204	0.8645	0.5885	0.7673	0.4278	0.3148	0.6938	29.3911
45 mph	0.4854	0.8070	0.6523	0.7162	0.4130	0.2971	0.6414	27.3994
50 mph	0.4526	0.7585	0.6085	0.6701	0.4085	0.2828	0.6016	25.6809
55 mph	0.4213	0.7126	0.5680	0.6270	0.4202	0.2767	0.5734	24.2586
60 mph	0.3867	0.6615	0.5228	0.5796	0.4428	0.2749	0.5457	23.0039
65 mph	0.3575	0.6220	0.4850	0.5404	0.4974	0.2856		
70 mph	0.3451	0.6481	0.4680	0.5300	0.5013	0.2437		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	21.3883	34.9491
10 mph	2.2177	2.5310	1.8376	2.3860	2.2309	2.2643	0.4834	1.3805
15 mph	1.0918	1.6213	0.8997	1.1660	1.1455	1.1571	0.2618	0.7380
20 mph	0.4362	1.0729	0.3523	0.4587	0.5273	0.5258	0.1749	0.4506
25 mph	0.2672	0.8414	0.2126	0.2789	0.3522	0.3485	0.1337	0.3613
30 mph	0.2040	0.7185	0.1611	0.2127	0.2846	0.2799	0.1026	0.2772
35 mph	0.1642	0.6473	0.1285	0.1712	0.2466	0.2400	0.0774	0.2091
40 mph	0.1373	0.6163	0.1064	0.1424	0.2231	0.2152	0.0580	0.1572
45 mph	0.1186	0.6183	0.0906	0.1217	0.2097	0.2007	0.0445	0.1208
50 mph	0.1056	0.6535	0.0790	0.1070	0.2086	0.1979	0.0369	0.0997
55 mph	0.0963	0.7310	0.0703	0.0959	0.2132	0.2012	0.0351	0.0963
60 mph	0.0949	0.8601	0.0672	0.0926	0.2331	0.2185	0.0393	0.1067
65 mph	0.0992	1.0646	0.0685	0.0960	0.2937	0.2714		
70 mph	0.1037	1.2269	0.0705	0.1046	0.5361	0.4562		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								33.0735
10 mph								34.9008
15 mph								24.5725
20 mph								17.7716
25 mph								13.0270
30 mph								9.6046
35 mph								7.0826
40 mph								5.2243
45 mph								3.8551
50 mph								2.8465
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	2.5919	0.3401	1.3273	1.9491	0.6114	0.1209	0.4115	0.1198	7.4720
15 mph	0.9453	0.1220	0.4815	0.7054	0.1999	0.0421	0.1244	0.0359	2.6565
20 mph	1.7297	0.2211	0.8787	1.2853	0.3447	0.0748	0.2284	0.0653	4.8281
25 mph	7.9174	1.0036	4.0082	5.8620	1.4975	0.3332	1.1327	0.3272	22.0818
30 mph	7.9941	1.0082	4.0365	5.9081	1.4691	0.3302	0.9281	0.2723	21.9465
35 mph	6.0229	0.7588	3.0349	4.4507	1.1043	0.2473	0.3804	0.1129	16.1122
40 mph	1.8616	0.2347	0.7893	1.3763	0.3480	0.0770	0.3937	0.1166	5.1971
45 mph	1.4468	0.1825	0.7290	1.0705	0.2799	0.0606	0.2912	0.0869	4.1474
50 mph	1.3492	0.1716	0.6801	1.0016	0.2768	0.0576	0.4438	0.1324	4.1132
55 mph	1.0046	0.1290	0.5078	0.7497	0.2278	0.0451	0.0976	0.0289	2.7905
60 mph	1.8445	0.2394	0.9348	1.3861	0.4802	0.0897	0.0929	0.0274	5.0949
65 mph	0.2131	0.0281	0.1084	0.1615	0.0674	0.0116	-	-	0.5903
70 mph	-	-	-	-	-	-	-	-	-
total	34.9211	4.4391	17.5165	25.9063	6.9071	1.4901	4.5249	1.3256	97.0305

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.2144	0.0281	0.1098	0.3367	0.1311	0.0259	-	-	0.8459
15 mph	0.1955	0.0252	0.0996	0.3046	0.1072	0.0225	-	-	0.7546
20 mph	0.1788	0.0229	0.0908	0.2775	0.0924	0.0201	0.4118	0.1177	1.2120
25 mph	0.3274	0.0415	0.1658	0.5063	0.1606	0.0357	0.6497	0.1877	2.0746
30 mph	0.6010	0.0758	0.3035	0.9277	0.2864	0.0644	1.0039	0.2945	3.5573
35 mph	1.2453	0.1569	0.6275	1.9219	0.5920	0.1326	0.9144	0.2713	5.8619
40 mph	1.2830	0.1617	0.5440	1.9811	0.6218	0.1376	0.7808	0.2311	5.7411
45 mph	0.9573	0.1208	0.4823	1.4792	0.4802	0.1039	0.5250	0.1567	4.3054
50 mph	1.0043	0.1277	0.5062	1.5570	0.5343	0.1113	0.2462	0.0734	4.1604
55 mph	0.5193	0.0667	0.2625	0.8094	0.3053	0.0605	0.1173	0.0347	2.1756
60 mph	0.2860	0.0371	0.1450	0.4489	0.1931	0.0361	7.8160	2.3024	11.2645
65 mph	0.0881	0.0116	0.0448	0.1395	0.0723	0.0125	-	-	0.3689
70 mph	3.9139	0.5577	1.9901	6.2937	3.3517	0.4901	-	-	16.5972
total	10.8143	1.4338	5.3718	16.9836	6.9283	1.2530	12.4650	3.6696	58.9194

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	13.2571	3.9936	15.1696	0.1098	32.5301
15 mph	6.2386	0.8050	3.1778	1.0266	0.3176	0.0668	0.2095	0.0605	11.9026
25 mph	-	-	-	-	0.4519	0.1006	0.7592	0.2193	1.5310
35 mph	19.0018	2.3939	9.5750	2.8457	-	-	-	-	33.8165
total	25.2404	3.1990	12.7528	3.8724	14.0267	4.1610	16.1382	0.3896	79.7801

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	13.2571	3.9936	15.1696	0.1098	32.5301
10 mph	2.8062	0.3683	1.4371	2.2857	0.7425	0.1468	0.4115	0.1198	8.3179
15 mph	7.3794	0.9523	3.7590	2.0366	0.6247	0.1314	0.3339	0.0964	15.3136
20 mph	1.9085	0.2440	0.9695	1.5628	0.4372	0.0949	0.6403	0.1830	6.0401
25 mph	8.2448	1.0451	4.1740	6.3683	2.1100	0.4695	2.5416	0.7342	25.6874
30 mph	8.5951	1.0840	4.3399	6.8359	1.7554	0.3946	1.9320	0.5668	25.5038
35 mph	26.2700	3.3096	13.2375	9.2183	1.6964	0.3798	1.2948	0.3842	55.7905
40 mph	3.1446	0.3964	1.3333	3.3574	0.9697	0.2146	1.1745	0.3477	10.9382
45 mph	2.4041	0.3033	1.2113	2.5497	0.7601	0.1644	0.8162	0.2436	8.4528
50 mph	2.3535	0.2993	1.1864	2.5586	0.8111	0.1689	0.6900	0.2058	8.2736
55 mph	1.5239	0.1956	0.7703	1.5591	0.5332	0.1056	0.2150	0.0635	4.9662
60 mph	2.1306	0.2765	1.0797	1.8350	0.6733	0.1257	7.9089	2.3298	16.3594
65 mph	0.3013	0.0398	0.1532	0.3010	0.1397	0.0241	-	-	0.9592
70 mph	3.9139	0.5577	1.9901	6.2937	3.3517	0.4901	-	-	16.5972
total	70.9758	9.0718	35.6411	46.7622	27.8621	6.9040	33.1281	5.3848	235.7300

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0699	0.0001	0.0171	0.1002	1.2960	0.9087	0.8948	4.7614	8.0482
15 mph	0.0138	0.0000	0.0034	0.0196	0.2662	0.1857	0.1615	0.8484	1.4986
20 mph	0.0110	0.0001	0.0026	0.0154	0.2450	0.1688	0.2158	1.0361	1.6948
25 mph	0.0337	0.0002	0.0079	0.0468	0.8183	0.5595	0.9072	4.5696	6.9432
30 mph	0.0283	0.0002	0.0066	0.0393	0.7276	0.4942	0.6329	3.1869	5.1159
35 mph	0.0186	0.0001	0.0043	0.0259	0.5157	0.3467	0.2148	1.0817	2.2078
40 mph	0.0052	0.0000	0.0012	0.0072	0.1555	0.1036	0.1788	0.9034	1.3550
45 mph	0.0037	0.0000	0.0008	0.0051	0.1218	0.0805	0.1097	0.5557	0.8775
50 mph	0.0033	0.0000	0.0007	0.0045	0.1212	0.0794	0.1478	0.7450	1.1020
55 mph	0.0024	0.0000	0.0005	0.0032	0.0991	0.0646	0.0325	0.1661	0.3685
60 mph	0.0048	0.0001	0.0010	0.0062	0.2167	0.1403	0.0363	0.1840	0.5894
65 mph	0.0006	0.0000	0.0001	0.0008	0.0341	0.0218	-	-	0.0575
70 mph	-	-	-	-	-	-	-	-	-
total	0.1955	0.0010	0.0463	0.2743	4.6171	3.1538	3.5321	18.0383	29.8585

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0058	0.0000	0.0014	0.0173	0.2779	0.1949	-	-	0.4973
15 mph	0.0028	0.0000	0.0007	0.0085	0.1427	0.0996	-	-	0.2543
20 mph	0.0011	0.0000	0.0003	0.0033	0.0657	0.0452	0.3891	1.8678	2.3725
25 mph	0.0014	0.0000	0.0003	0.0040	0.0877	0.0600	0.5204	2.6211	3.2950
30 mph	0.0021	0.0000	0.0005	0.0062	0.1418	0.0963	0.6846	3.4471	4.3786
35 mph	0.0039	0.0000	0.0009	0.0112	0.2764	0.1859	0.5162	2.6000	3.5945
40 mph	0.0036	0.0000	0.0008	0.0103	0.2779	0.1851	0.3546	1.7915	2.6239
45 mph	0.0025	0.0000	0.0006	0.0071	0.2090	0.1382	0.1978	1.0018	1.5569
50 mph	0.0025	0.0000	0.0005	0.0070	0.2339	0.1533	0.0820	0.4132	0.8924
55 mph	0.0013	0.0000	0.0003	0.0035	0.1328	0.0866	0.0391	0.1996	0.4631
60 mph	0.0007	0.0000	0.0002	0.0020	0.0871	0.0564	3.0559	15.4829	18.6853
65 mph	0.0003	0.0000	0.0001	0.0007	0.0366	0.0234	-	-	0.0609
70 mph	0.0124	0.0003	0.0025	0.0349	3.0717	1.8060	-	-	4.9278
total	0.0404	0.0005	0.0090	0.1160	5.0412	3.1308	5.8395	29.4251	43.6025

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.9341	1.3361	4.5605	13.8868	21.7175
15 mph	0.0909	0.0003	0.0221	0.0285	0.4229	0.2951	0.2722	1.4294	2.5614
25 mph	-	-	-	-	0.2469	0.1688	0.6080	3.0626	4.0865
35 mph	0.0588	0.0004	0.0136	0.0166	-	-	-	-	0.0894
total	0.1497	0.0007	0.0357	0.0451	2.6039	1.8001	5.4407	18.3789	28.4547

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.9341	1.3361	4.5605	13.8868	21.7175
10 mph	0.0757	0.0002	0.0185	0.1175	1.5739	1.1035	0.8948	4.7614	8.5455
15 mph	0.1075	0.0003	0.0262	0.0566	0.8318	0.5805	0.4337	2.2778	4.3143
20 mph	0.0121	0.0001	0.0029	0.0187	0.3107	0.2140	0.6049	2.9039	4.0674
25 mph	0.0351	0.0002	0.0082	0.0509	1.1530	0.7883	2.0357	10.2533	14.3247
30 mph	0.0304	0.0002	0.0071	0.0455	0.8694	0.5905	1.3175	6.6340	9.4946
35 mph	0.0813	0.0006	0.0188	0.0536	0.7921	0.5326	0.7310	3.6817	5.8916
40 mph	0.0088	0.0001	0.0020	0.0175	0.4334	0.2888	0.5334	2.6949	3.9789
45 mph	0.0062	0.0001	0.0014	0.0122	0.3308	0.2187	0.3075	1.5576	2.4344
50 mph	0.0058	0.0001	0.0013	0.0115	0.3551	0.2327	0.2298	1.1582	1.9944
55 mph	0.0037	0.0001	0.0008	0.0067	0.2319	0.1512	0.0715	0.3658	0.8316
60 mph	0.0055	0.0001	0.0012	0.0082	0.3038	0.1967	3.0923	15.6669	19.2747
65 mph	0.0009	0.0000	0.0002	0.0015	0.0707	0.0451	-	-	0.1184
70 mph	0.0124	0.0003	0.0025	0.0349	3.0717	1.8060	-	-	4.9278
total	0.3856	0.0022	0.0910	0.4353	12.2623	8.0847	14.8124	65.8423	101.9157

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								7.0688	7.0688
15 mph								1.6590	1.6590
20 mph								2.3996	2.3996
25 mph								9.6744	9.6744
30 mph								6.4844	6.4844
35 mph								2.1518	2.1518
40 mph								1.7635	1.7635
45 mph								1.0411	1.0411
50 mph								1.2491	1.2491
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	33.4918	33.4918

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								4.3259	4.3259
25 mph								5.5493	5.5493
30 mph								7.0139	7.0139
35 mph								5.1721	5.1721
40 mph								3.4971	3.4971
45 mph								1.8768	1.8768
50 mph								0.6929	0.6929
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	22.0612	22.0612

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.7717	0.7717
15 mph								2.7950	2.7950
25 mph								6.4841	6.4841
35 mph								-	-
total	-	-	-	-	-	-	-	10.0508	10.0508

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.7717	0.7717
10 mph								7.0688	7.0688
15 mph								4.4539	4.4539
20 mph								6.7256	6.7256
25 mph								21.7078	21.7078
30 mph								13.4983	13.4983
35 mph								7.3239	7.3239
40 mph								5.2607	5.2607
45 mph								2.9179	2.9179
50 mph								1.9420	1.9420
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	71.6706	71.6706

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	15.1912	5.3297	19.7300	14.7684	55.0193
10 mph	2.8819	0.3684	1.4556	2.4032	2.3163	1.2503	1.3063	11.9500	23.9322
15 mph	7.4869	0.9526	3.7851	2.0932	1.4565	0.7119	0.7676	6.8282	24.0819
20 mph	1.9206	0.2440	0.9724	1.5816	0.7479	0.3089	1.2451	9.8125	16.8331
25 mph	8.2799	1.0453	4.1822	6.4192	3.2630	1.2578	4.5773	32.6954	61.7199
30 mph	8.6256	1.0842	4.3470	6.8813	2.6248	0.9851	3.2495	20.6990	48.4966
35 mph	26.3513	3.3102	13.2562	9.2719	2.4885	0.9124	2.0257	11.3898	69.0061
40 mph	3.1533	0.3964	1.3353	3.3749	1.4032	0.5034	1.7079	8.3033	20.1777
45 mph	2.4104	0.3034	1.2127	2.5619	1.0909	0.3831	1.1236	4.7191	13.8050
50 mph	2.3593	0.2993	1.1876	2.5701	1.1662	0.4017	0.9198	3.3061	12.2100
55 mph	1.5276	0.1957	0.7711	1.5658	0.7650	0.2568	0.2865	0.4293	5.7977
60 mph	2.1361	0.2766	1.0809	1.8432	0.9771	0.3224	11.0011	17.9967	35.6341
65 mph	0.3022	0.0398	0.1534	0.3025	0.2104	0.0693	-	-	1.0776
70 mph	3.9263	0.5580	1.9926	6.3286	6.4234	2.2961	-	-	21.5250
STREX	5.9490	0.4771	2.8139	9.4082	1.9463	0.5689	2.1579	0.0217	23.3430
total	77.3104	9.5511	38.5461	56.6057	42.0707	15.5576	50.0984	142.9194	**432.6592**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.8527	1.9581	2.3374	2.5850	1.5609	1.5170	3.6256	5.2202
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5.9490	0.4771	2.8139	9.4082	1.9463	0.5689	2.1579	0.0217
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	5.9490	0.4771	2.8139	9.4082	1.9463	0.5689	2.1579	0.0217

World Logistics Center
Mobile Emissions - 2027 (Net) - Mitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0540	0.0540	0.1366	0.2144
10 mph	0.0045	0.0052	0.0054	0.0067	0.0142	0.0164	0.0294	0.0349
15 mph	0.0037	0.0043	0.0044	0.0055	0.0116	0.0134	0.0241	0.0286
20 mph	0.0031	0.0036	0.0037	0.0046	0.0097	0.0111	0.0200	0.0239
25 mph	0.0026	0.0031	0.0032	0.0039	0.0083	0.0095	0.0171	0.0204
30 mph	0.0023	0.0027	0.0028	0.0035	0.0073	0.0084	0.0152	0.0181
35 mph	0.0021	0.0025	0.0026	0.0032	0.0068	0.0078	0.0141	0.0168
40 mph	0.0021	0.0024	0.0025	0.0031	0.0066	0.0076	0.0136	0.0162
45 mph	0.0021	0.0024	0.0025	0.0031	0.0066	0.0076	0.0137	0.0162
50 mph	0.0022	0.0025	0.0026	0.0032	0.0068	0.0078	0.0141	0.0167
55 mph	0.0022	0.0026	0.0027	0.0034	0.0071	0.0081	0.0146	0.0173
60 mph	0.0023	0.0027	0.0028	0.0035	0.0074	0.0085	0.0152	0.0180
65 mph	0.0024	0.0028	0.0029	0.0036	0.0076	0.0087		
70 mph	0.0024	0.0028	0.0029	0.0037	0.0077	0.0088		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0339	0.0546	0.0565	0.0515
10 mph	0.0036	0.0078	0.0048	0.0060	0.0088	0.0098	0.0171	0.0279
15 mph	0.0029	0.0065	0.0040	0.0051	0.0057	0.0065	0.0135	0.0205
20 mph	0.0024	0.0053	0.0033	0.0042	0.0049	0.0056	0.0115	0.0170
25 mph	0.0020	0.0045	0.0028	0.0036	0.0043	0.0049	0.0101	0.0145
30 mph	0.0018	0.0038	0.0024	0.0031	0.0039	0.0045	0.0088	0.0127
35 mph	0.0016	0.0034	0.0022	0.0028	0.0039	0.0045	0.0079	0.0116
40 mph	0.0015	0.0032	0.0020	0.0026	0.0038	0.0043	0.0072	0.0106
45 mph	0.0014	0.0031	0.0019	0.0025	0.0037	0.0042	0.0068	0.0100
50 mph	0.0014	0.0031	0.0019	0.0026	0.0039	0.0043	0.0068	0.0097
55 mph	0.0015	0.0032	0.0020	0.0027	0.0041	0.0045	0.0070	0.0100
60 mph	0.0016	0.0035	0.0022	0.0029	0.0041	0.0045	0.0074	0.0106
65 mph	0.0018	0.0039	0.0025	0.0033	0.0042	0.0045		
70 mph	0.0020	0.0041	0.0026	0.0036	0.0043	0.0046		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0134	0.0012	0.0061	0.0100	0.0096	0.0033	0.0100	0.0001	0.0538
15 mph	0.0044	0.0004	0.0020	0.0033	0.0031	0.0011	0.0027	0.0000	0.0170
20 mph	0.0073	0.0006	0.0033	0.0055	0.0052	0.0018	0.0045	0.0000	0.0283
25 mph	0.0311	0.0028	0.0141	0.0233	0.0224	0.0077	0.0213	0.0002	0.1230
30 mph	0.0304	0.0027	0.0138	0.0228	0.0219	0.0076	0.0172	0.0001	0.1165
35 mph	0.0230	0.0020	0.0105	0.0174	0.0166	0.0057	0.0072	0.0001	0.0825
40 mph	0.0074	0.0007	0.0034	0.0056	0.0054	0.0019	0.0077	0.0001	0.0321
45 mph	0.0062	0.0006	0.0028	0.0047	0.0045	0.0015	0.0062	0.0001	0.0266
50 mph	0.0064	0.0006	0.0029	0.0048	0.0046	0.0016	0.0104	0.0001	0.0314
55 mph	0.0053	0.0005	0.0024	0.0040	0.0038	0.0013	0.0025	0.0000	0.0199
60 mph	0.0110	0.0010	0.0050	0.0083	0.0080	0.0028	0.0026	0.0000	0.0387
65 mph	0.0014	0.0001	0.0006	0.0011	0.0010	0.0004	-	-	0.0046
70 mph	-	-	-	-	-	-	-	-	-
total	0.1474	0.0131	0.0670	0.1108	0.1061	0.0367	0.0925	0.0008	0.5744

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0011	0.0001	0.0005	0.0017	0.0021	0.0007	-	-	0.0062
15 mph	0.0009	0.0001	0.0004	0.0014	0.0017	0.0006	-	-	0.0051
20 mph	0.0008	0.0001	0.0003	0.0012	0.0014	0.0005	0.0082	0.0001	0.0125
25 mph	0.0013	0.0001	0.0006	0.0020	0.0024	0.0008	0.0122	0.0001	0.0196
30 mph	0.0023	0.0002	0.0010	0.0036	0.0043	0.0015	0.0186	0.0002	0.0316
35 mph	0.0048	0.0004	0.0022	0.0075	0.0089	0.0031	0.0173	0.0001	0.0443
40 mph	0.0051	0.0005	0.0023	0.0081	0.0096	0.0033	0.0153	0.0001	0.0443
45 mph	0.0041	0.0004	0.0019	0.0065	0.0077	0.0027	0.0112	0.0001	0.0345
50 mph	0.0048	0.0004	0.0022	0.0075	0.0089	0.0031	0.0058	0.0000	0.0327
55 mph	0.0028	0.0002	0.0013	0.0043	0.0051	0.0018	0.0030	0.0000	0.0185
60 mph	0.0017	0.0002	0.0008	0.0027	0.0032	0.0011	0.2181	0.0018	0.2295
65 mph	0.0006	0.0001	0.0003	0.0009	0.0011	0.0004	-	-	0.0033
70 mph	0.0271	0.0024	0.0123	0.0436	0.0515	0.0177	-	-	0.1547
total	0.0573	0.0051	0.0261	0.0910	0.1078	0.0372	0.3097	0.0026	0.6368

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0046	0.0014	0.0054	0.0001	0.0115
15 mph	0.0289	0.0026	0.0131	0.0048	0.0050	0.0017	0.0046	0.0000	0.0607
25 mph	-	-	-	-	0.0068	0.0023	0.0143	0.0001	0.0235
35 mph	0.0727	0.0065	0.0331	0.0111	-	-	-	-	0.1233
total	0.1016	0.0090	0.0462	0.0159	0.0164	0.0055	0.0243	0.0002	0.2190

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0046	0.0014	0.0054	0.0001	0.0115
10 mph	0.0145	0.0013	0.0066	0.0118	0.0117	0.0041	0.0100	0.0001	0.0600
15 mph	0.0341	0.0030	0.0155	0.0095	0.0098	0.0034	0.0073	0.0001	0.0828
20 mph	0.0080	0.0007	0.0036	0.0066	0.0066	0.0023	0.0127	0.0001	0.0408
25 mph	0.0324	0.0029	0.0147	0.0253	0.0315	0.0109	0.0479	0.0004	0.1661
30 mph	0.0327	0.0029	0.0148	0.0264	0.0261	0.0090	0.0359	0.0003	0.1481
35 mph	0.1005	0.0089	0.0457	0.0359	0.0255	0.0088	0.0245	0.0002	0.2501
40 mph	0.0126	0.0011	0.0057	0.0137	0.0149	0.0052	0.0231	0.0002	0.0764
45 mph	0.0104	0.0009	0.0047	0.0112	0.0122	0.0042	0.0174	0.0001	0.0611
50 mph	0.0112	0.0010	0.0051	0.0124	0.0135	0.0047	0.0162	0.0001	0.0641
55 mph	0.0081	0.0007	0.0037	0.0084	0.0090	0.0031	0.0055	0.0000	0.0385
60 mph	0.0127	0.0011	0.0058	0.0110	0.0112	0.0039	0.2207	0.0018	0.2682
65 mph	0.0020	0.0002	0.0009	0.0020	0.0021	0.0007	-	-	0.0079
70 mph	0.0271	0.0024	0.0123	0.0436	0.0515	0.0177	-	-	0.1547
total	0.3063	0.0272	0.1393	0.2177	0.2303	0.0794	0.4265	0.0036	1.4301

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0003	0.0051	0.0039	0.0317	0.0962	0.1373
15 mph	0.0000	0.0000	0.0000	0.0001	0.0013	0.0010	0.0083	0.0236	0.0344
20 mph	0.0001	0.0000	0.0000	0.0001	0.0023	0.0018	0.0142	0.0392	0.0577
25 mph	0.0003	0.0000	0.0001	0.0006	0.0100	0.0079	0.0682	0.1836	0.2708
30 mph	0.0002	0.0000	0.0001	0.0006	0.0100	0.0079	0.0545	0.1463	0.2196
35 mph	0.0002	0.0000	0.0001	0.0004	0.0082	0.0065	0.0219	0.0600	0.0973
40 mph	0.0001	0.0000	0.0000	0.0001	0.0027	0.0021	0.0223	0.0608	0.0881
45 mph	0.0000	0.0000	0.0000	0.0001	0.0022	0.0017	0.0169	0.0460	0.0669
50 mph	0.0000	0.0000	0.0000	0.0001	0.0023	0.0017	0.0271	0.0725	0.1037
55 mph	0.0000	0.0000	0.0000	0.0001	0.0019	0.0014	0.0064	0.0173	0.0272
60 mph	0.0001	0.0000	0.0000	0.0002	0.0038	0.0029	0.0069	0.0183	0.0322
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0004	-	-	0.0009
70 mph	-	-	-	-	-	-	-	-	-
total	0.0012	0.0000	0.0005	0.0027	0.0503	0.0392	0.2784	0.7637	1.1360

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0008	-	-	0.0020
15 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0006	-	-	0.0013
20 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0005	0.0256	0.0706	0.0974
25 mph	0.0000	0.0000	0.0000	0.0001	0.0011	0.0009	0.0391	0.1053	0.1464
30 mph	0.0000	0.0000	0.0000	0.0001	0.0020	0.0015	0.0589	0.1582	0.2207
35 mph	0.0000	0.0000	0.0000	0.0002	0.0044	0.0035	0.0526	0.1442	0.2050
40 mph	0.0000	0.0000	0.0000	0.0002	0.0048	0.0037	0.0442	0.1206	0.1735
45 mph	0.0000	0.0000	0.0000	0.0001	0.0037	0.0029	0.0305	0.0829	0.1201
50 mph	0.0000	0.0000	0.0000	0.0002	0.0044	0.0033	0.0150	0.0402	0.0632
55 mph	0.0000	0.0000	0.0000	0.0001	0.0025	0.0019	0.0077	0.0208	0.0331
60 mph	0.0000	0.0000	0.0000	0.0001	0.0015	0.0012	0.5780	1.5427	2.1234
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0004	-	-	0.0009
70 mph	0.0002	0.0000	0.0001	0.0012	0.0246	0.0182	-	-	0.0444
total	0.0005	0.0000	0.0002	0.0023	0.0520	0.0393	0.8517	2.2856	3.2316

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0025	0.0028	0.0120	0.0205	0.0378
15 mph	0.0002	0.0000	0.0001	0.0001	0.0021	0.0017	0.0140	0.0397	0.0580
25 mph	-	-	-	-	0.0030	0.0024	0.0457	0.1231	0.1742
35 mph	0.0006	0.0000	0.0002	0.0003	-	-	-	-	0.0011
total	0.0008	0.0000	0.0003	0.0004	0.0076	0.0068	0.0718	0.1833	0.2710

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0025	0.0028	0.0120	0.0205	0.0378
10 mph	0.0001	0.0000	0.0000	0.0003	0.0062	0.0048	0.0317	0.0962	0.1393
15 mph	0.0003	0.0000	0.0001	0.0002	0.0041	0.0033	0.0223	0.0633	0.0937
20 mph	0.0001	0.0000	0.0000	0.0002	0.0029	0.0023	0.0398	0.1098	0.1551
25 mph	0.0003	0.0000	0.0001	0.0007	0.0141	0.0112	0.1531	0.4120	0.5914
30 mph	0.0003	0.0000	0.0001	0.0007	0.0120	0.0094	0.1134	0.3045	0.4403
35 mph	0.0008	0.0000	0.0003	0.0009	0.0126	0.0099	0.0745	0.2043	0.3033
40 mph	0.0001	0.0000	0.0000	0.0003	0.0074	0.0058	0.0665	0.1814	0.2616
45 mph	0.0001	0.0000	0.0000	0.0003	0.0059	0.0045	0.0474	0.1289	0.1870
50 mph	0.0001	0.0000	0.0000	0.0003	0.0067	0.0051	0.0421	0.1127	0.1669
55 mph	0.0001	0.0000	0.0000	0.0002	0.0045	0.0033	0.0142	0.0381	0.0603
60 mph	0.0001	0.0000	0.0000	0.0003	0.0054	0.0040	0.5849	1.5610	2.1556
65 mph	0.0000	0.0000	0.0000	0.0001	0.0010	0.0007	-	-	0.0018
70 mph	0.0002	0.0000	0.0001	0.0012	0.0246	0.0182	-	-	0.0444
total	0.0025	0.0000	0.0010	0.0055	0.1099	0.0854	1.2019	3.2326	4.6387

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
15 mph								-	-
25 mph								-	-
35 mph								-	-
total	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0071	0.0042	0.0174	0.0205	0.0492
10 mph	0.0146	0.0013	0.0066	0.0121	0.0179	0.0088	0.0417	0.0962	0.1993
15 mph	0.0344	0.0030	0.0156	0.0097	0.0140	0.0067	0.0297	0.0634	0.1765
20 mph	0.0081	0.0007	0.0037	0.0068	0.0095	0.0046	0.0525	0.1099	0.1958
25 mph	0.0327	0.0029	0.0148	0.0260	0.0457	0.0221	0.2010	0.4124	0.7575
30 mph	0.0329	0.0029	0.0150	0.0271	0.0381	0.0185	0.1492	0.3048	0.5884
35 mph	0.1013	0.0089	0.0460	0.0368	0.0381	0.0187	0.0990	0.2045	0.5534
40 mph	0.0127	0.0011	0.0058	0.0140	0.0224	0.0110	0.0896	0.1816	0.3381
45 mph	0.0104	0.0009	0.0047	0.0114	0.0180	0.0087	0.0648	0.1290	0.2481
50 mph	0.0113	0.0010	0.0051	0.0126	0.0202	0.0097	0.0583	0.1128	0.2310
55 mph	0.0082	0.0007	0.0037	0.0086	0.0134	0.0065	0.0197	0.0381	0.0988
60 mph	0.0128	0.0011	0.0058	0.0113	0.0166	0.0079	0.8055	1.5628	2.4238
65 mph	0.0020	0.0002	0.0009	0.0020	0.0031	0.0015	-	-	0.0098
70 mph	0.0274	0.0024	0.0124	0.0448	0.0762	0.0360	-	-	0.1991
STREX	0.0015	0.0001	0.0007	0.0027	0.0002	0.0001	0.0002	0.0000	0.0056
total	0.3103	0.0273	0.1409	0.2258	0.3404	0.1648	1.6286	3.2362	**6.0744**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0005	0.0006	0.0006	0.0007	0.0002	0.0002	0.0004	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0015	0.0001	0.0007	0.0027	0.0002	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0015	0.0001	0.0007	0.0027	0.0002	0.0001	0.0002	0.0000

World Logistics Center
Mobile Emissions - 2027 (Net) - Mitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0386	0.0360	0.0345	0.0381
10 mph	0.0050	0.0065	0.0053	0.0054	0.0049	0.0045	0.0044	0.0049
15 mph	0.0033	0.0044	0.0035	0.0036	0.0033	0.0030	0.0029	0.0032
20 mph	0.0023	0.0031	0.0025	0.0025	0.0023	0.0021	0.0021	0.0023
25 mph	0.0017	0.0023	0.0018	0.0019	0.0017	0.0016	0.0015	0.0017
30 mph	0.0013	0.0018	0.0014	0.0015	0.0013	0.0012	0.0012	0.0013
35 mph	0.0011	0.0015	0.0012	0.0012	0.0011	0.0010	0.0010	0.0011
40 mph	0.0010	0.0013	0.0010	0.0010	0.0010	0.0009	0.0008	0.0010
45 mph	0.0009	0.0012	0.0009	0.0009	0.0009	0.0008	0.0008	0.0009
50 mph	0.0009	0.0011	0.0009	0.0009	0.0008	0.0008	0.0007	0.0009
55 mph	0.0009	0.0011	0.0009	0.0009	0.0009	0.0008	0.0008	0.0009
60 mph	0.0009	0.0012	0.0010	0.0010	0.0009	0.0008	0.0008	0.0009
65 mph	0.0011	0.0014	0.0011	0.0010	0.0011	0.0010		
70 mph	0.0012	0.0015	0.0012	0.0012	0.0011	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7943	0.8068	0.0073	0.0101
10 mph	0.0100	0.2488	0.0094	0.0071	0.0265	0.0333	0.0041	0.0110
15 mph	0.0081	0.1806	0.0080	0.0058	0.0201	0.0264	0.0033	0.0085
20 mph	0.0065	0.1382	0.0068	0.0048	0.0166	0.0219	0.0028	0.0061
25 mph	0.0053	0.1107	0.0057	0.0041	0.0138	0.0183	0.0026	0.0064
30 mph	0.0045	0.0929	0.0051	0.0036	0.0121	0.0161	0.0029	0.0070
35 mph	0.0039	0.0818	0.0045	0.0032	0.0110	0.0145	0.0035	0.0084
40 mph	0.0035	0.0749	0.0042	0.0029	0.0103	0.0134	0.0045	0.0108
45 mph	0.0033	0.0714	0.0039	0.0027	0.0097	0.0126	0.0058	0.0141
50 mph	0.0032	0.0716	0.0037	0.0026	0.0094	0.0121	0.0075	0.0181
55 mph	0.0032	0.0751	0.0035	0.0025	0.0092	0.0117	0.0096	0.0238
60 mph	0.0033	0.0819	0.0034	0.0026	0.0094	0.0118	0.0120	0.0293
65 mph	0.0035	0.0944	0.0035	0.0027	0.0105	0.0128		
70 mph	0.0035	0.1122	0.0036	0.0030	0.0161	0.0168		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0427
10 mph								0.0071
15 mph								0.0058
20 mph								0.0050
25 mph								0.0045
30 mph								0.0042
35 mph								0.0040
40 mph								0.0038
45 mph								0.0038
50 mph								0.0039
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0150	0.0015	0.0059	0.0081	0.0033	0.0009	0.0015	0.0000	0.0362
15 mph	0.0040	0.0004	0.0016	0.0022	0.0009	0.0002	0.0003	0.0000	0.0096
20 mph	0.0056	0.0006	0.0022	0.0030	0.0013	0.0003	0.0005	0.0000	0.0135
25 mph	0.0206	0.0021	0.0082	0.0112	0.0046	0.0013	0.0019	0.0000	0.0499
30 mph	0.0177	0.0018	0.0070	0.0096	0.0040	0.0011	0.0013	0.0000	0.0425
35 mph	0.0119	0.0012	0.0047	0.0064	0.0027	0.0007	0.0005	0.0000	0.0281
40 mph	0.0034	0.0003	0.0014	0.0019	0.0008	0.0002	0.0005	0.0000	0.0085
45 mph	0.0026	0.0003	0.0010	0.0014	0.0006	0.0002	0.0003	0.0000	0.0064
50 mph	0.0025	0.0003	0.0010	0.0014	0.0006	0.0002	0.0005	0.0000	0.0064
55 mph	0.0021	0.0002	0.0008	0.0011	0.0005	0.0001	0.0001	0.0000	0.0049
60 mph	0.0044	0.0004	0.0017	0.0024	0.0010	0.0003	0.0001	0.0000	0.0104
65 mph	0.0006	0.0001	0.0002	0.0003	0.0001	0.0000	-	-	0.0014
70 mph	-	-	-	-	-	-	-	-	-
total	0.0905	0.0091	0.0359	0.0488	0.0203	0.0056	0.0077	0.0001	0.2179

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0012	0.0001	0.0005	0.0014	0.0007	0.0002	-	-	0.0042
15 mph	0.0008	0.0001	0.0003	0.0009	0.0005	0.0001	-	-	0.0028
20 mph	0.0006	0.0001	0.0002	0.0007	0.0003	0.0001	0.0008	0.0000	0.0028
25 mph	0.0009	0.0001	0.0003	0.0010	0.0005	0.0001	0.0011	0.0000	0.0040
30 mph	0.0013	0.0001	0.0005	0.0015	0.0008	0.0002	0.0014	0.0000	0.0059
35 mph	0.0025	0.0002	0.0010	0.0028	0.0014	0.0004	0.0012	0.0000	0.0095
40 mph	0.0024	0.0002	0.0009	0.0027	0.0014	0.0004	0.0009	0.0000	0.0089
45 mph	0.0017	0.0002	0.0007	0.0020	0.0010	0.0003	0.0006	0.0000	0.0065
50 mph	0.0019	0.0002	0.0007	0.0021	0.0011	0.0003	0.0003	0.0000	0.0067
55 mph	0.0011	0.0001	0.0004	0.0012	0.0006	0.0002	0.0002	0.0000	0.0037
60 mph	0.0007	0.0001	0.0003	0.0008	0.0004	0.0001	0.0117	0.0001	0.0141
65 mph	0.0003	0.0000	0.0001	0.0003	0.0002	0.0000	-	-	0.0008
70 mph	0.0130	0.0013	0.0051	0.0143	0.0076	0.0021	-	-	0.0433
total	0.0283	0.0028	0.0111	0.0315	0.0165	0.0045	0.0183	0.0001	0.1132

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0033	0.0009	0.0014	0.0000	0.0056
15 mph	0.0263	0.0026	0.0104	0.0031	0.0014	0.0004	0.0006	0.0000	0.0448
25 mph	-	-	-	-	0.0014	0.0004	0.0013	0.0000	0.0031
35 mph	0.0376	0.0038	0.0149	0.0041	-	-	-	-	0.0603
total	0.0638	0.0064	0.0253	0.0072	0.0061	0.0017	0.0032	0.0000	0.1138

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0033	0.0009	0.0014	0.0000	0.0056
10 mph	0.0162	0.0016	0.0064	0.0095	0.0040	0.0011	0.0015	0.0000	0.0404
15 mph	0.0311	0.0031	0.0123	0.0062	0.0028	0.0008	0.0009	0.0000	0.0572
20 mph	0.0062	0.0006	0.0024	0.0037	0.0016	0.0004	0.0013	0.0000	0.0162
25 mph	0.0215	0.0022	0.0085	0.0121	0.0065	0.0018	0.0042	0.0000	0.0569
30 mph	0.0190	0.0019	0.0075	0.0111	0.0047	0.0013	0.0028	0.0000	0.0484
35 mph	0.0519	0.0052	0.0206	0.0133	0.0041	0.0011	0.0017	0.0000	0.0980
40 mph	0.0058	0.0006	0.0023	0.0045	0.0022	0.0006	0.0014	0.0000	0.0174
45 mph	0.0044	0.0004	0.0017	0.0034	0.0016	0.0004	0.0010	0.0000	0.0129
50 mph	0.0044	0.0004	0.0017	0.0035	0.0017	0.0005	0.0008	0.0000	0.0131
55 mph	0.0031	0.0003	0.0012	0.0023	0.0011	0.0003	0.0003	0.0000	0.0087
60 mph	0.0051	0.0005	0.0020	0.0031	0.0014	0.0004	0.0118	0.0001	0.0245
65 mph	0.0009	0.0001	0.0003	0.0006	0.0003	0.0001	-	-	0.0023
70 mph	0.0130	0.0013	0.0051	0.0143	0.0076	0.0021	-	-	0.0433
total	0.1827	0.0183	0.0723	0.0875	0.0430	0.0119	0.0291	0.0002	0.4449

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0003	0.0000	0.0001	0.0003	0.0154	0.0134	0.0076	0.0381	0.0752
15 mph	0.0001	0.0000	0.0000	0.0001	0.0047	0.0042	0.0020	0.0098	0.0210
20 mph	0.0002	0.0000	0.0001	0.0002	0.0077	0.0070	0.0034	0.0139	0.0325
25 mph	0.0007	0.0000	0.0002	0.0007	0.0321	0.0294	0.0180	0.0807	0.1618
30 mph	0.0006	0.0000	0.0002	0.0007	0.0309	0.0283	0.0178	0.0800	0.1587
35 mph	0.0004	0.0000	0.0002	0.0005	0.0231	0.0210	0.0097	0.0436	0.0985
40 mph	0.0001	0.0000	0.0000	0.0001	0.0072	0.0065	0.0138	0.0623	0.0900
45 mph	0.0001	0.0000	0.0000	0.0001	0.0056	0.0050	0.0143	0.0651	0.0903
50 mph	0.0001	0.0000	0.0000	0.0001	0.0055	0.0048	0.0302	0.1356	0.1764
55 mph	0.0001	0.0000	0.0000	0.0001	0.0043	0.0038	0.0089	0.0410	0.0582
60 mph	0.0002	0.0000	0.0001	0.0002	0.0087	0.0076	0.0111	0.0506	0.0785
65 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0010	-	-	0.0023
70 mph	-	-	-	-	-	-	-	-	-
total	0.0029	0.0001	0.0009	0.0030	0.1464	0.1322	0.1369	0.6208	1.0432

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0001	0.0033	0.0029	-	-	0.0063
15 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0023	-	-	0.0048
20 mph	0.0000	0.0000	0.0000	0.0000	0.0021	0.0019	0.0062	0.0251	0.0353
25 mph	0.0000	0.0000	0.0000	0.0001	0.0034	0.0032	0.0103	0.0463	0.0633
30 mph	0.0000	0.0000	0.0000	0.0001	0.0060	0.0055	0.0193	0.0866	0.1176
35 mph	0.0001	0.0000	0.0000	0.0002	0.0124	0.0112	0.0234	0.1048	0.1522
40 mph	0.0001	0.0000	0.0000	0.0002	0.0128	0.0115	0.0274	0.1235	0.1755
45 mph	0.0001	0.0000	0.0000	0.0002	0.0096	0.0087	0.0258	0.1173	0.1617
50 mph	0.0001	0.0000	0.0000	0.0002	0.0105	0.0094	0.0167	0.0752	0.1121
55 mph	0.0000	0.0000	0.0000	0.0001	0.0057	0.0051	0.0107	0.0493	0.0709
60 mph	0.0000	0.0000	0.0000	0.0001	0.0035	0.0031	0.9379	4.2573	5.2019
65 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0011	-	-	0.0024
70 mph	0.0004	0.0000	0.0001	0.0010	0.0925	0.0664	-	-	0.1605
total	0.0010	0.0000	0.0003	0.0022	0.1658	0.1321	1.0777	4.8855	6.2646

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0584	0.0410	0.0016	0.0040	0.1050
15 mph	0.0007	0.0000	0.0002	0.0001	0.0074	0.0067	0.0034	0.0165	0.0351
25 mph	-	-	-	-	0.0097	0.0089	0.0120	0.0541	0.0847
35 mph	0.0014	0.0001	0.0005	0.0003	-	-	-	-	0.0022
total	0.0021	0.0001	0.0007	0.0005	0.0755	0.0566	0.0170	0.0746	0.2270

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0584	0.0410	0.0016	0.0040	0.1050
10 mph	0.0003	0.0000	0.0001	0.0003	0.0187	0.0162	0.0076	0.0381	0.0814
15 mph	0.0008	0.0000	0.0002	0.0003	0.0146	0.0133	0.0054	0.0263	0.0609
20 mph	0.0002	0.0000	0.0001	0.0002	0.0098	0.0089	0.0096	0.0390	0.0678
25 mph	0.0007	0.0000	0.0002	0.0007	0.0452	0.0415	0.0403	0.1811	0.3098
30 mph	0.0007	0.0000	0.0002	0.0008	0.0370	0.0339	0.0371	0.1666	0.2762
35 mph	0.0019	0.0001	0.0007	0.0010	0.0355	0.0322	0.0331	0.1484	0.2529
40 mph	0.0002	0.0000	0.0001	0.0004	0.0199	0.0180	0.0411	0.1858	0.2655
45 mph	0.0002	0.0000	0.0001	0.0003	0.0153	0.0137	0.0402	0.1823	0.2520
50 mph	0.0002	0.0000	0.0001	0.0003	0.0160	0.0142	0.0469	0.2108	0.2885
55 mph	0.0001	0.0000	0.0000	0.0002	0.0100	0.0088	0.0196	0.0904	0.1291
60 mph	0.0002	0.0000	0.0001	0.0002	0.0122	0.0107	0.9491	4.3079	5.2804
65 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0021	-	-	0.0047
70 mph	0.0004	0.0000	0.0001	0.0010	0.0925	0.0664	-	-	0.1605
total	0.0059	0.0002	0.0019	0.0057	0.3877	0.3209	1.2316	5.5809	7.5348

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0014	0.0014
15 mph								0.0004	0.0004
20 mph								0.0007	0.0007
25 mph								0.0033	0.0033
30 mph								0.0028	0.0028
35 mph								0.0012	0.0012
40 mph								0.0013	0.0013
45 mph								0.0010	0.0010
50 mph								0.0017	0.0017
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0139	0.0139

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0012	0.0012
25 mph								0.0019	0.0019
30 mph								0.0030	0.0030
35 mph								0.0029	0.0029
40 mph								0.0026	0.0026
45 mph								0.0019	0.0019
50 mph								0.0009	0.0009
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0091	0.0091

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0007	0.0007
25 mph								0.0022	0.0022
35 mph								-	-
total	-	-	-	-	-	-	-	0.0039	0.0039

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0014	0.0014
15 mph								0.0011	0.0011
20 mph								0.0019	0.0019
25 mph								0.0075	0.0075
30 mph								0.0059	0.0059
35 mph								0.0041	0.0041
40 mph								0.0039	0.0039
45 mph								0.0029	0.0029
50 mph								0.0026	0.0026
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0322	0.0322

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0617	0.0419	0.0029	0.0050	0.1116
10 mph	0.0166	0.0016	0.0065	0.0098	0.0227	0.0174	0.0091	0.0395	0.1232
15 mph	0.0319	0.0031	0.0126	0.0065	0.0174	0.0140	0.0063	0.0274	0.1191
20 mph	0.0063	0.0006	0.0025	0.0039	0.0114	0.0094	0.0109	0.0409	0.0859
25 mph	0.0222	0.0022	0.0088	0.0129	0.0517	0.0433	0.0446	0.1886	0.3742
30 mph	0.0197	0.0019	0.0078	0.0118	0.0417	0.0352	0.0399	0.1725	0.3305
35 mph	0.0539	0.0053	0.0212	0.0143	0.0396	0.0334	0.0347	0.1525	0.3549
40 mph	0.0060	0.0006	0.0024	0.0049	0.0221	0.0186	0.0426	0.1897	0.2868
45 mph	0.0045	0.0004	0.0018	0.0036	0.0169	0.0141	0.0412	0.1852	0.2678
50 mph	0.0046	0.0005	0.0018	0.0038	0.0177	0.0147	0.0478	0.2135	0.3042
55 mph	0.0033	0.0003	0.0013	0.0025	0.0111	0.0091	0.0199	0.0904	0.1378
60 mph	0.0053	0.0005	0.0021	0.0034	0.0136	0.0111	0.9609	4.3080	5.3049
65 mph	0.0009	0.0001	0.0004	0.0006	0.0028	0.0022	-	-	0.0070
70 mph	0.0135	0.0013	0.0052	0.0153	0.1001	0.0684	-	-	0.2038
STREX	0.0050	0.0005	0.0019	0.0060	0.0005	0.0001	0.0002	0.0000	0.0142
total	0.1936	0.0191	0.0761	0.0992	0.4311	0.3328	1.2609	5.6133	**8.0261**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0016	0.0020	0.0016	0.0016	0.0004	0.0003	0.0004	0.0006
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0050	0.0005	0.0019	0.0060	0.0005	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0050	0.0005	0.0019	0.0060	0.0005	0.0001	0.0002	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.6679	0.2024	1.0002	1.3377	1.1446	0.3962	0.8078	0.0032
Diesel	0.0282	0.0001	0.0083	0.0376	1.0275	0.8121	4.3908	5.5298
Electric/NG	0.0991	0.0037	0.0235	0.0311	-	-	-	0.3299
Total	2.7952	0.2062	1.0321	1.4065	2.1722	1.2083	5.1986	5.8630

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.1033	0.0837	0.4136	1.1553	1.2272	0.4248	2.9126	0.0117
Diesel	0.0117	0.0000	0.0034	0.0325	1.1017	0.8707	15.8310	19.9377
Electric/NG	0.0410	0.0015	0.0097	0.0269	-	-	-	1.1896
Total	1.1559	0.0853	0.4268	1.2147	2.3289	1.2955	18.7436	21.1390

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.8672	0.1417	0.7000	0.1929	0.1055	0.0365	0.1463	0.0006
Diesel	0.0198	0.0000	0.0058	0.0054	0.0947	0.0748	0.7954	1.0017
Electric/NG	0.0693	0.0026	0.0165	0.0045	-	-	-	0.0598
Total	1.9563	0.1443	0.7223	0.2028	0.2001	0.1113	0.9417	1.0621

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	5.6384	0.4278	2.1139	2.6860	2.4773	0.8575	3.8668	0.0155	18.0832
Diesel	0.0597	0.0001	0.0176	0.0755	2.2239	1.7576	21.0171	26.4693	51.6207
Electric/NG	0.2094	0.0079	0.0497	0.0625	-	-	-	1.5793	1.9088
Total	5.9074	0.4359	2.1812	2.8240	4.7012	2.6151	24.8839	28.0641	**71.6127**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	51.5445
Internal	61.7058
Total	**113.2503**

World Logistics Center
Mobile Emissions - 2027 (Net) - Mitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0355	0.0331	0.0317	0.0350
10 mph	0.0046	0.0060	0.0049	0.0050	0.0045	0.0042	0.0041	0.0045
15 mph	0.0031	0.0040	0.0033	0.0033	0.0030	0.0028	0.0027	0.0030
20 mph	0.0022	0.0029	0.0023	0.0023	0.0021	0.0020	0.0019	0.0021
25 mph	0.0016	0.0021	0.0017	0.0017	0.0016	0.0015	0.0014	0.0016
30 mph	0.0012	0.0017	0.0013	0.0013	0.0012	0.0011	0.0011	0.0012
35 mph	0.0010	0.0014	0.0011	0.0011	0.0010	0.0009	0.0009	0.0010
40 mph	0.0009	0.0012	0.0009	0.0010	0.0009	0.0008	0.0008	0.0009
45 mph	0.0008	0.0011	0.0009	0.0009	0.0008	0.0007	0.0007	0.0008
50 mph	0.0008	0.0010	0.0008	0.0008	0.0008	0.0007	0.0007	0.0008
55 mph	0.0008	0.0011	0.0008	0.0009	0.0008	0.0007	0.0007	0.0008
60 mph	0.0009	0.0011	0.0009	0.0009	0.0009	0.0008	0.0007	0.0009
65 mph	0.0010	0.0013	0.0010	0.0010	0.0010	0.0009		
70 mph	0.0011	0.0014	0.0011	0.0011	0.0010	0.0009		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7600	0.7719	0.0070	0.0096
10 mph	0.0095	0.2380	0.0090	0.0068	0.0254	0.0319	0.0039	0.0106
15 mph	0.0077	0.1728	0.0077	0.0056	0.0192	0.0253	0.0031	0.0082
20 mph	0.0062	0.1322	0.0065	0.0046	0.0159	0.0210	0.0027	0.0058
25 mph	0.0050	0.1059	0.0055	0.0039	0.0132	0.0175	0.0025	0.0061
30 mph	0.0043	0.0889	0.0048	0.0034	0.0116	0.0154	0.0028	0.0067
35 mph	0.0037	0.0782	0.0044	0.0031	0.0106	0.0139	0.0033	0.0081
40 mph	0.0034	0.0717	0.0040	0.0028	0.0098	0.0128	0.0043	0.0104
45 mph	0.0032	0.0684	0.0037	0.0026	0.0093	0.0120	0.0056	0.0135
50 mph	0.0031	0.0685	0.0035	0.0025	0.0090	0.0116	0.0072	0.0174
55 mph	0.0030	0.0718	0.0033	0.0024	0.0088	0.0112	0.0092	0.0228
60 mph	0.0032	0.0784	0.0033	0.0024	0.0090	0.0113	0.0115	0.0281
65 mph	0.0033	0.0903	0.0033	0.0026	0.0100	0.0123		
70 mph	0.0034	0.1073	0.0035	0.0028	0.0155	0.0160		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0409
10 mph								0.0068
15 mph								0.0056
20 mph								0.0048
25 mph								0.0043
30 mph								0.0040
35 mph								0.0038
40 mph								0.0037
45 mph								0.0036
50 mph								0.0037
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0138	0.0014	0.0055	0.0074	0.0031	0.0009	0.0014	0.0000	0.0333
15 mph	0.0037	0.0004	0.0015	0.0020	0.0008	0.0002	0.0003	0.0000	0.0088
20 mph	0.0051	0.0005	0.0020	0.0028	0.0012	0.0003	0.0004	0.0000	0.0124
25 mph	0.0190	0.0019	0.0075	0.0103	0.0043	0.0012	0.0017	0.0000	0.0459
30 mph	0.0163	0.0016	0.0065	0.0088	0.0037	0.0010	0.0012	0.0000	0.0391
35 mph	0.0109	0.0011	0.0043	0.0059	0.0025	0.0007	0.0005	0.0000	0.0259
40 mph	0.0032	0.0003	0.0013	0.0017	0.0007	0.0002	0.0004	0.0000	0.0078
45 mph	0.0024	0.0002	0.0010	0.0013	0.0005	0.0001	0.0003	0.0000	0.0059
50 mph	0.0023	0.0002	0.0009	0.0013	0.0005	0.0001	0.0005	0.0000	0.0059
55 mph	0.0019	0.0002	0.0007	0.0010	0.0004	0.0001	0.0001	0.0000	0.0045
60 mph	0.0041	0.0004	0.0016	0.0022	0.0009	0.0003	0.0001	0.0000	0.0096
65 mph	0.0006	0.0001	0.0002	0.0003	0.0001	0.0000	-	-	0.0013
70 mph	-	-	-	-	-	-	-	-	-
total	0.0832	0.0084	0.0330	0.0449	0.0187	0.0052	0.0070	0.0001	0.2004

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0011	0.0001	0.0005	0.0013	0.0007	0.0002	-	-	0.0038
15 mph	0.0008	0.0001	0.0003	0.0009	0.0004	0.0001	-	-	0.0025
20 mph	0.0005	0.0001	0.0002	0.0006	0.0003	0.0001	0.0008	0.0000	0.0026
25 mph	0.0008	0.0001	0.0003	0.0009	0.0005	0.0001	0.0010	0.0000	0.0037
30 mph	0.0012	0.0001	0.0005	0.0014	0.0007	0.0002	0.0013	0.0000	0.0055
35 mph	0.0023	0.0002	0.0009	0.0025	0.0013	0.0004	0.0011	0.0000	0.0087
40 mph	0.0022	0.0002	0.0009	0.0025	0.0013	0.0004	0.0009	0.0000	0.0082
45 mph	0.0016	0.0002	0.0006	0.0018	0.0009	0.0003	0.0006	0.0000	0.0060
50 mph	0.0017	0.0002	0.0007	0.0019	0.0010	0.0003	0.0003	0.0000	0.0061
55 mph	0.0010	0.0001	0.0004	0.0011	0.0006	0.0002	0.0001	0.0000	0.0034
60 mph	0.0006	0.0001	0.0002	0.0007	0.0004	0.0001	0.0107	0.0001	0.0129
65 mph	0.0002	0.0000	0.0001	0.0003	0.0001	0.0000	-	-	0.0008
70 mph	0.0120	0.0012	0.0047	0.0132	0.0070	0.0019	-	-	0.0398
total	0.0261	0.0026	0.0102	0.0290	0.0152	0.0042	0.0168	0.0001	0.1041

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0030	0.0009	0.0012	0.0000	0.0052
15 mph	0.0241	0.0024	0.0096	0.0029	0.0013	0.0004	0.0005	0.0000	0.0412
25 mph	-	-	-	-	0.0013	0.0004	0.0012	0.0000	0.0028
35 mph	0.0345	0.0035	0.0137	0.0038	-	-	-	-	0.0555
total	0.0587	0.0059	0.0233	0.0066	0.0056	0.0016	0.0029	0.0000	0.1046

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0030	0.0009	0.0012	0.0000	0.0052
10 mph	0.0149	0.0015	0.0059	0.0087	0.0037	0.0010	0.0014	0.0000	0.0371
15 mph	0.0286	0.0028	0.0113	0.0057	0.0026	0.0007	0.0008	0.0000	0.0526
20 mph	0.0057	0.0006	0.0023	0.0034	0.0015	0.0004	0.0012	0.0000	0.0149
25 mph	0.0197	0.0020	0.0078	0.0111	0.0060	0.0017	0.0039	0.0000	0.0523
30 mph	0.0175	0.0018	0.0069	0.0102	0.0044	0.0012	0.0026	0.0000	0.0445
35 mph	0.0478	0.0048	0.0189	0.0122	0.0038	0.0010	0.0015	0.0000	0.0901
40 mph	0.0053	0.0005	0.0021	0.0042	0.0020	0.0005	0.0013	0.0000	0.0160
45 mph	0.0040	0.0004	0.0016	0.0031	0.0015	0.0004	0.0009	0.0000	0.0119
50 mph	0.0041	0.0004	0.0016	0.0032	0.0015	0.0004	0.0008	0.0000	0.0120
55 mph	0.0029	0.0003	0.0011	0.0021	0.0010	0.0003	0.0003	0.0000	0.0080
60 mph	0.0047	0.0005	0.0019	0.0029	0.0013	0.0004	0.0109	0.0001	0.0225
65 mph	0.0008	0.0001	0.0003	0.0006	0.0003	0.0001	-	-	0.0021
70 mph	0.0120	0.0012	0.0047	0.0132	0.0070	0.0019	-	-	0.0398
total	0.1679	0.0169	0.0665	0.0805	0.0395	0.0109	0.0268	0.0002	0.4091

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0003	0.0000	0.0001	0.0003	0.0147	0.0128	0.0073	0.0364	0.0719
15 mph	0.0001	0.0000	0.0000	0.0001	0.0045	0.0041	0.0019	0.0094	0.0200
20 mph	0.0002	0.0000	0.0000	0.0002	0.0074	0.0067	0.0033	0.0133	0.0311
25 mph	0.0006	0.0000	0.0002	0.0007	0.0307	0.0282	0.0172	0.0772	0.1548
30 mph	0.0006	0.0000	0.0002	0.0006	0.0296	0.0271	0.0171	0.0766	0.1518
35 mph	0.0004	0.0000	0.0001	0.0005	0.0221	0.0201	0.0093	0.0417	0.0942
40 mph	0.0001	0.0000	0.0000	0.0001	0.0068	0.0062	0.0132	0.0596	0.0861
45 mph	0.0001	0.0000	0.0000	0.0001	0.0054	0.0048	0.0137	0.0622	0.0864
50 mph	0.0001	0.0000	0.0000	0.0001	0.0052	0.0046	0.0289	0.1297	0.1687
55 mph	0.0001	0.0000	0.0000	0.0001	0.0041	0.0036	0.0085	0.0393	0.0557
60 mph	0.0002	0.0000	0.0000	0.0002	0.0083	0.0073	0.0107	0.0484	0.0751
65 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0010	-	-	0.0022
70 mph	-	-	-	-	-	-	-	-	-
total	0.0028	0.0001	0.0009	0.0029	0.1400	0.1264	0.1310	0.5939	0.9981

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0032	0.0027	-	-	0.0060
15 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0022	-	-	0.0046
20 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0018	0.0059	0.0240	0.0338
25 mph	0.0000	0.0000	0.0000	0.0001	0.0033	0.0030	0.0099	0.0443	0.0606
30 mph	0.0000	0.0000	0.0000	0.0001	0.0058	0.0053	0.0185	0.0828	0.1125
35 mph	0.0001	0.0000	0.0000	0.0002	0.0118	0.0108	0.0223	0.1003	0.1456
40 mph	0.0001	0.0000	0.0000	0.0002	0.0122	0.0110	0.0262	0.1182	0.1679
45 mph	0.0001	0.0000	0.0000	0.0002	0.0092	0.0083	0.0247	0.1122	0.1547
50 mph	0.0001	0.0000	0.0000	0.0002	0.0101	0.0090	0.0160	0.0720	0.1073
55 mph	0.0000	0.0000	0.0000	0.0001	0.0055	0.0048	0.0102	0.0472	0.0679
60 mph	0.0000	0.0000	0.0000	0.0001	0.0034	0.0029	0.8974	4.0731	4.9769
65 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0011	-	-	0.0023
70 mph	0.0004	0.0000	0.0001	0.0009	0.0885	0.0635	-	-	0.1535
total	0.0009	0.0000	0.0003	0.0021	0.1586	0.1264	1.0311	4.6741	5.9936

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0559	0.0392	0.0015	0.0038	0.1004
15 mph	0.0006	0.0000	0.0002	0.0001	0.0071	0.0064	0.0032	0.0158	0.0336
25 mph	-	-	-	-	0.0093	0.0085	0.0115	0.0518	0.0811
35 mph	0.0013	0.0001	0.0005	0.0003	-	-	-	-	0.0021
total	0.0020	0.0001	0.0006	0.0004	0.0722	0.0542	0.0163	0.0714	0.2172

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0559	0.0392	0.0015	0.0038	0.1004
10 mph	0.0003	0.0000	0.0001	0.0003	0.0179	0.0155	0.0073	0.0364	0.0779
15 mph	0.0008	0.0000	0.0002	0.0003	0.0140	0.0127	0.0052	0.0252	0.0583
20 mph	0.0002	0.0000	0.0001	0.0002	0.0094	0.0085	0.0092	0.0373	0.0648
25 mph	0.0007	0.0000	0.0002	0.0007	0.0433	0.0397	0.0386	0.1733	0.2964
30 mph	0.0006	0.0000	0.0002	0.0007	0.0354	0.0324	0.0355	0.1594	0.2643
35 mph	0.0018	0.0001	0.0006	0.0010	0.0340	0.0308	0.0316	0.1420	0.2420
40 mph	0.0002	0.0000	0.0001	0.0003	0.0191	0.0172	0.0394	0.1778	0.2541
45 mph	0.0002	0.0000	0.0001	0.0003	0.0146	0.0131	0.0384	0.1745	0.2411
50 mph	0.0002	0.0000	0.0001	0.0003	0.0153	0.0136	0.0449	0.2017	0.2760
55 mph	0.0001	0.0000	0.0000	0.0002	0.0096	0.0084	0.0187	0.0865	0.1235
60 mph	0.0002	0.0000	0.0001	0.0002	0.0117	0.0102	0.9080	4.1216	5.0520
65 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0020	-	-	0.0045
70 mph	0.0004	0.0000	0.0001	0.0009	0.0885	0.0635	-	-	0.1535
total	0.0057	0.0002	0.0018	0.0054	0.3709	0.3070	1.1783	5.3394	7.2089

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0014	0.0014
15 mph								0.0004	0.0004
20 mph								0.0006	0.0006
25 mph								0.0032	0.0032
30 mph								0.0027	0.0027
35 mph								0.0011	0.0011
40 mph								0.0012	0.0012
45 mph								0.0010	0.0010
50 mph								0.0016	0.0016
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0133	0.0133

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0012	0.0012
25 mph								0.0018	0.0018
30 mph								0.0029	0.0029
35 mph								0.0028	0.0028
40 mph								0.0025	0.0025
45 mph								0.0018	0.0018
50 mph								0.0009	0.0009
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0087	0.0087

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0006	0.0006
25 mph								0.0021	0.0021
35 mph								-	-
total	-	-	-	-	-	-	-	0.0037	0.0037

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0014	0.0014
15 mph								0.0010	0.0010
20 mph								0.0018	0.0018
25 mph								0.0072	0.0072
30 mph								0.0056	0.0056
35 mph								0.0039	0.0039
40 mph								0.0037	0.0037
45 mph								0.0028	0.0028
50 mph								0.0025	0.0025
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0308	0.0308

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0589	0.0401	0.0027	0.0048	0.1065
10 mph	0.0152	0.0015	0.0060	0.0090	0.0216	0.0166	0.0087	0.0378	0.1164
15 mph	0.0293	0.0029	0.0116	0.0060	0.0165	0.0134	0.0060	0.0262	0.1118
20 mph	0.0058	0.0006	0.0023	0.0036	0.0108	0.0089	0.0104	0.0392	0.0816
25 mph	0.0204	0.0020	0.0081	0.0119	0.0493	0.0413	0.0425	0.1805	0.3559
30 mph	0.0181	0.0018	0.0072	0.0109	0.0397	0.0336	0.0381	0.1650	0.3144
35 mph	0.0496	0.0049	0.0195	0.0132	0.0377	0.0319	0.0332	0.1459	0.3359
40 mph	0.0056	0.0005	0.0022	0.0045	0.0211	0.0178	0.0407	0.1815	0.2738
45 mph	0.0042	0.0004	0.0016	0.0034	0.0161	0.0135	0.0393	0.1772	0.2558
50 mph	0.0042	0.0004	0.0017	0.0035	0.0169	0.0140	0.0457	0.2042	0.2906
55 mph	0.0030	0.0003	0.0012	0.0023	0.0106	0.0087	0.0190	0.0865	0.1315
60 mph	0.0049	0.0005	0.0019	0.0031	0.0130	0.0106	0.9189	4.1217	5.0745
65 mph	0.0008	0.0001	0.0003	0.0006	0.0027	0.0021	-	-	0.0067
70 mph	0.0124	0.0012	0.0048	0.0141	0.0955	0.0654	-	-	0.1934
STREX	0.0046	0.0004	0.0018	0.0055	0.0004	0.0001	0.0002	0.0000	0.0131
total	0.1782	0.0175	0.0701	0.0915	0.4108	0.3180	1.2053	5.3704	**7.6618**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0014	0.0018	0.0015	0.0015	0.0003	0.0003	0.0004	0.0006
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0046	0.0004	0.0018	0.0055	0.0004	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0046	0.0004	0.0018	0.0055	0.0004	0.0001	0.0002	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.0582	0.0803	0.3967	0.5306	0.4712	0.1640	0.3340	0.0012
Diesel	0.0112	0.0000	0.0033	0.0149	0.4155	0.3308	1.8157	2.0062
Electric/NG	0.0393	0.0015	0.0093	0.0124	-	-	-	0.1197
Total	1.1087	0.0818	0.4094	0.5579	0.8867	0.4948	2.1497	2.1272

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.4376	0.0332	0.1641	0.4583	0.5052	0.1758	1.2044	0.0045
Diesel	0.0046	0.0000	0.0014	0.0129	0.4455	0.3547	6.5464	7.2334
Electric/NG	0.0163	0.0006	0.0039	0.0107	-	-	-	0.4316
Total	0.4585	0.0338	0.1693	0.4818	0.9507	0.5305	7.7508	7.6695

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.7406	0.0562	0.2777	0.0765	0.0434	0.0151	0.0605	0.0002
Diesel	0.0078	0.0000	0.0023	0.0021	0.0383	0.0305	0.3289	0.3634
Electric/NG	0.0275	0.0010	0.0065	0.0018	-	-	-	0.0217
Total	0.7760	0.0573	0.2865	0.0804	0.0817	0.0456	0.3894	0.3853

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	2.2364	0.1697	0.8385	1.0654	1.0198	0.3549	1.5990	0.0060	7.2896
Diesel	0.0237	0.0000	0.0070	0.0299	0.8992	0.7160	8.6909	9.6030	19.9698
Electric/NG	0.0831	0.0031	0.0197	0.0248	-	-	-	0.5730	0.7037
Total	2.3432	0.1729	0.8652	1.1201	1.9190	1.0709	10.2899	10.1820	**27.9631**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	12.6518
Internal	15.1460
Total	**27.7978**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0454	0.0309	0.0021	0.0037	0.0820
10 mph	0.0098	0.0010	0.0038	0.0058	0.0166	0.0128	0.0067	0.0291	0.0855
15 mph	0.0188	0.0018	0.0074	0.0038	0.0127	0.0103	0.0046	0.0202	0.0796
20 mph	0.0037	0.0004	0.0015	0.0023	0.0083	0.0069	0.0080	0.0302	0.0612
25 mph	0.0131	0.0013	0.0052	0.0076	0.0379	0.0318	0.0327	0.1390	0.2685
30 mph	0.0116	0.0011	0.0046	0.0070	0.0306	0.0259	0.0293	0.1271	0.2371
35 mph	0.0317	0.0031	0.0125	0.0084	0.0291	0.0245	0.0255	0.1124	0.2473
40 mph	0.0036	0.0004	0.0014	0.0029	0.0162	0.0137	0.0313	0.1397	0.2091
45 mph	0.0027	0.0003	0.0011	0.0021	0.0124	0.0104	0.0303	0.1365	0.1957
50 mph	0.0027	0.0003	0.0011	0.0022	0.0130	0.0108	0.0352	0.1573	0.2225
55 mph	0.0019	0.0002	0.0008	0.0015	0.0082	0.0067	0.0146	0.0666	0.1004
60 mph	0.0031	0.0003	0.0012	0.0020	0.0100	0.0081	0.7075	3.1737	3.9060
65 mph	0.0005	0.0001	0.0002	0.0004	0.0021	0.0016	-	-	0.0049
70 mph	0.0079	0.0008	0.0031	0.0090	0.0735	0.0504	-	-	0.1447
total	0.1111	0.0109	0.0437	0.0550	0.3160	0.2448	0.9279	4.1352	5.8447

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2027 (Net) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	1,876	2.40	0.32	0.0005	0.88	0.0019	3.57
2	L	2,637	2.40	0.32	0.0005	1.23	0.0019	5.02
3	L	2,501	2.40	0.32	0.0005	1.17	0.0019	4.76
5	L	4,044	2.40	0.32	0.0005	1.89	0.0019	7.70
6	L	8,106	2.40	0.32	0.0005	3.79	0.0019	15.44
8	L	6,042	2.40	0.32	0.0005	2.83	0.0019	11.51
11	L	(1,218)	2.40	0.32	0.0005	(0.57)	0.0019	(2.32)
12	L	(1,856)	2.40	0.32	0.0005	(0.87)	0.0019	(3.54)
14	L	(995)	2.40	0.32	0.0005	(0.47)	0.0019	(1.89)
18	L	1,050	2.40	0.32	0.0005	0.49	0.0019	2.00
19	L	5,004	2.40	0.32	0.0005	2.34	0.0019	9.53
21	L	2,571	2.40	0.32	0.0005	1.20	0.0019	4.90
24	L	5,783	2.40	0.32	0.0005	2.70	0.0019	11.02
30	L	(5,680)	2.40	0.32	0.0005	(2.66)	0.0019	(10.82)
29	L	2,719	2.40	0.32	0.0005	1.27	0.0019	5.18
31	L	(196)	2.40	0.32	0.0005	(0.09)	0.0019	(0.37)
TOTAL						15.15		61.71

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2027 (Net) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	116,219	2.40	0.032	0.0001	6.69	0.0002	27.24
Freeway	F	206,639	2.40	0.015	0.0000	5.97	0.0001	24.30
TOTAL		322,858				12.65		51.54

World Logistics Center
Mobile Emissions - 2027 (Net) - Mitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0054	0.0091	0.0075	0.0088	0.0119	0.0134	0.0214	0.2035
15 mph	0.0048	0.0079	0.0065	0.0077	0.0104	0.0117	0.0190	0.1798
20 mph	0.0043	0.0070	0.0059	0.0069	0.0095	0.0106	0.0172	0.1626
25 mph	0.0039	0.0063	0.0053	0.0062	0.0088	0.0097	0.0156	0.1489
30 mph	0.0036	0.0059	0.0049	0.0058	0.0082	0.0090	0.0143	0.1390
35 mph	0.0034	0.0055	0.0046	0.0054	0.0079	0.0085	0.0134	0.1318
40 mph	0.0033	0.0053	0.0044	0.0052	0.0076	0.0082	0.0128	0.1264
45 mph	0.0032	0.0051	0.0043	0.0051	0.0074	0.0080	0.0123	0.1231
50 mph	0.0031	0.0051	0.0042	0.0050	0.0074	0.0079	0.0122	0.1220
55 mph	0.0032	0.0053	0.0043	0.0051	0.0076	0.0080	0.0124	0.1236
60 mph	0.0033	0.0056	0.0045	0.0054	0.0079	0.0083	0.0128	0.1277
65 mph	0.0035	0.0059	0.0047	0.0057	0.0083	0.0087	0.0135	0.1336
70 mph	0.0036	0.0067	0.0050	0.0061	0.0092	0.0089	0.0134	0.1423

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0596	0.1296	0.0803	0.1000	0.1457	0.1630	0.2849	0.4261
15 mph	0.0490	0.1079	0.0666	0.0847	0.0948	0.1081	0.2241	0.3309
20 mph	0.0402	0.0886	0.0547	0.0703	0.0809	0.0923	0.1914	0.2805
25 mph	0.0337	0.0740	0.0459	0.0596	0.0717	0.0823	0.1671	0.2382
30 mph	0.0292	0.0637	0.0397	0.0516	0.0652	0.0743	0.1467	0.2090
35 mph	0.0264	0.0571	0.0358	0.0469	0.0654	0.0744	0.1310	0.1868
40 mph	0.0247	0.0532	0.0334	0.0439	0.0637	0.0718	0.1200	0.1715
45 mph	0.0239	0.0513	0.0322	0.0423	0.0621	0.0691	0.1137	0.1628
50 mph	0.0240	0.0513	0.0323	0.0425	0.0652	0.0717	0.1122	0.1598
55 mph	0.0251	0.0537	0.0337	0.0449	0.0680	0.0741	0.1154	0.1664
60 mph	0.0272	0.0582	0.0365	0.0486	0.0687	0.0743	0.1233	0.1765
65 mph	0.0306	0.0648	0.0410	0.0547	0.0698	0.0748	0.1360	0.1914
70 mph	0.0334	0.0676	0.0438	0.0598	0.0715	0.0766	0.1371	0.1941

*US EPA Emission Factors for Greenhouse Gas Inventories. (Idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.9221
15 mph								0.7738
20 mph								0.6753
25 mph								0.6221
30 mph								0.5880
35 mph								0.5610
40 mph								0.5389
45 mph								0.5204
50 mph								0.5045
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0162	0.0021	0.0084	0.0131	0.0080	0.0027	0.0073	0.0005	0.0583
15 mph	0.0057	0.0007	0.0029	0.0046	0.0028	0.0010	0.0022	0.0001	0.0200
20 mph	0.0102	0.0013	0.0052	0.0082	0.0052	0.0017	0.0039	0.0003	0.0360
25 mph	0.0467	0.0057	0.0237	0.0372	0.0238	0.0079	0.0194	0.0013	0.1658
30 mph	0.0477	0.0058	0.0242	0.0380	0.0246	0.0081	0.0162	0.0011	0.1656
35 mph	0.0368	0.0045	0.0186	0.0293	0.0192	0.0063	0.0068	0.0005	0.1220
40 mph	0.0117	0.0014	0.0059	0.0093	0.0062	0.0020	0.0073	0.0005	0.0444
45 mph	0.0094	0.0012	0.0048	0.0076	0.0050	0.0016	0.0056	0.0004	0.0356
50 mph	0.0093	0.0012	0.0047	0.0075	0.0050	0.0016	0.0090	0.0006	0.0390
55 mph	0.0076	0.0010	0.0039	0.0061	0.0041	0.0013	0.0021	0.0001	0.0262
60 mph	0.0157	0.0020	0.0081	0.0128	0.0085	0.0027	0.0022	0.0002	0.0522
65 mph	0.0021	0.0003	0.0011	0.0017	0.0011	0.0004	-	-	0.0066
70 mph	-	-	-	-	-	-	-	-	-
total	0.2192	0.0271	0.1114	0.1754	0.1137	0.0372	0.0820	0.0056	0.7717

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0013	0.0002	0.0007	0.0023	0.0017	0.0006	-	-	0.0068
15 mph	0.0012	0.0001	0.0006	0.0020	0.0015	0.0005	-	-	0.0059
20 mph	0.0011	0.0001	0.0005	0.0018	0.0014	0.0005	0.0070	0.0005	0.0128
25 mph	0.0019	0.0002	0.0010	0.0032	0.0026	0.0008	0.0111	0.0007	0.0216
30 mph	0.0036	0.0004	0.0018	0.0060	0.0048	0.0016	0.0175	0.0012	0.0369
35 mph	0.0076	0.0009	0.0038	0.0127	0.0103	0.0034	0.0164	0.0011	0.0563
40 mph	0.0081	0.0010	0.0041	0.0135	0.0111	0.0036	0.0144	0.0010	0.0566
45 mph	0.0063	0.0008	0.0032	0.0104	0.0087	0.0028	0.0101	0.0007	0.0429
50 mph	0.0070	0.0009	0.0035	0.0117	0.0097	0.0031	0.0050	0.0003	0.0412
55 mph	0.0039	0.0005	0.0020	0.0066	0.0055	0.0017	0.0025	0.0002	0.0230
60 mph	0.0024	0.0003	0.0013	0.0041	0.0034	0.0011	0.1835	0.0128	0.2089
65 mph	0.0009	0.0001	0.0004	0.0015	0.0012	0.0004	-	-	0.0044
70 mph	0.0411	0.0057	0.0211	0.0723	0.0617	0.0179	-	-	0.2198
total	0.0863	0.0113	0.0440	0.1479	0.1236	0.0379	0.2676	0.0185	0.7372

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0011	0.0003	0.0005	0.0000	0.0020
15 mph	0.0376	0.0047	0.0193	0.0067	0.0045	0.0015	0.0036	0.0002	0.0782
25 mph	-	-	-	-	0.0072	0.0024	0.0130	0.0009	0.0234
35 mph	0.1161	0.0142	0.0586	0.0187	-	-	-	-	0.2077
total	0.1537	0.0189	0.0780	0.0254	0.0128	0.0042	0.0172	0.0011	0.3114

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0011	0.0003	0.0005	0.0000	0.0020
10 mph	0.0176	0.0022	0.0091	0.0154	0.0098	0.0033	0.0073	0.0005	0.0651
15 mph	0.0445	0.0056	0.0228	0.0132	0.0088	0.0030	0.0058	0.0004	0.1041
20 mph	0.0113	0.0014	0.0058	0.0100	0.0066	0.0022	0.0109	0.0007	0.0489
25 mph	0.0486	0.0060	0.0247	0.0404	0.0335	0.0111	0.0436	0.0029	0.2109
30 mph	0.0513	0.0063	0.0260	0.0439	0.0294	0.0097	0.0338	0.0023	0.2025
35 mph	0.1605	0.0196	0.0811	0.0607	0.0296	0.0096	0.0232	0.0016	0.3860
40 mph	0.0198	0.0024	0.0100	0.0228	0.0173	0.0056	0.0217	0.0015	0.1010
45 mph	0.0157	0.0019	0.0079	0.0180	0.0137	0.0044	0.0157	0.0011	0.0785
50 mph	0.0163	0.0020	0.0083	0.0192	0.0148	0.0047	0.0140	0.0010	0.0802
55 mph	0.0115	0.0014	0.0059	0.0127	0.0096	0.0030	0.0046	0.0003	0.0491
60 mph	0.0182	0.0023	0.0093	0.0170	0.0120	0.0038	0.1857	0.0129	0.2611
65 mph	0.0029	0.0004	0.0015	0.0032	0.0023	0.0007	-	-	0.0110
70 mph	0.0411	0.0057	0.0211	0.0723	0.0617	0.0179	-	-	0.2198
total	0.4593	0.0574	0.2334	0.3487	0.2501	0.0794	0.3668	0.0252	1.8202

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0019	0.0000	0.0007	0.0042	0.0846	0.0654	0.5273	1.4695	2.1537
15 mph	0.0006	0.0000	0.0002	0.0014	0.0220	0.0173	0.1383	0.3804	0.5603
20 mph	0.0010	0.0000	0.0004	0.0024	0.0376	0.0296	0.2362	0.6450	0.9522
25 mph	0.0043	0.0000	0.0017	0.0100	0.1667	0.1320	1.1338	3.0118	4.4603
30 mph	0.0041	0.0000	0.0016	0.0095	0.1667	0.1312	0.9048	2.4026	3.6205
35 mph	0.0030	0.0000	0.0012	0.0071	0.1367	0.1075	0.3636	0.9664	1.5856
40 mph	0.0009	0.0000	0.0004	0.0022	0.0444	0.0346	0.3701	0.9856	1.4382
45 mph	0.0008	0.0000	0.0003	0.0018	0.0361	0.0277	0.2806	0.7485	1.0957
50 mph	0.0008	0.0000	0.0003	0.0018	0.0379	0.0288	0.4499	1.1940	1.7134
55 mph	0.0006	0.0000	0.0003	0.0015	0.0316	0.0238	0.1068	0.2870	0.4516
60 mph	0.0014	0.0000	0.0005	0.0033	0.0638	0.0477	0.1141	0.3043	0.5352
65 mph	0.0002	0.0000	0.0001	0.0005	0.0081	0.0060	-	-	0.0148
70 mph	-	-	-	-	-	-	-	-	-
total	0.0195	0.0001	0.0078	0.0456	0.8362	0.6517	4.6257	12.3949	18.5815

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0002	0.0000	0.0001	0.0007	0.0182	0.0140	-	-	0.0331
15 mph	0.0001	0.0000	0.0001	0.0006	0.0118	0.0093	-	-	0.0219
20 mph	0.0001	0.0000	0.0000	0.0005	0.0101	0.0079	0.4258	1.1627	1.6072
25 mph	0.0002	0.0000	0.0001	0.0009	0.0179	0.0142	0.6504	1.7276	2.4110
30 mph	0.0003	0.0000	0.0001	0.0015	0.0325	0.0256	0.9787	2.5988	3.6374
35 mph	0.0006	0.0000	0.0002	0.0031	0.0733	0.0577	0.8740	2.3229	3.3318
40 mph	0.0006	0.0000	0.0003	0.0032	0.0793	0.0618	0.7340	1.9544	2.8336
45 mph	0.0005	0.0000	0.0002	0.0025	0.0619	0.0475	0.5059	1.3493	1.9678
50 mph	0.0006	0.0000	0.0002	0.0028	0.0731	0.0555	0.2496	0.6623	1.0440
55 mph	0.0003	0.0000	0.0001	0.0016	0.0424	0.0319	0.1284	0.3449	0.5497
60 mph	0.0002	0.0000	0.0001	0.0011	0.0257	0.0192	9.6028	25.6004	35.2494
65 mph	0.0001	0.0000	0.0000	0.0004	0.0087	0.0064	-	-	0.0156
70 mph	0.0040	0.0000	0.0016	0.0200	0.4098	0.3032	-	-	0.7385
total	0.0078	0.0000	0.0031	0.0387	0.8645	0.6542	14.1496	37.7233	53.4412

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0002	0.0010	0.0019	0.0035
15 mph	0.0041	0.0000	0.0016	0.0021	0.0350	0.0276	0.2330	0.6409	0.9442
25 mph	-	-	-	-	0.0503	0.0398	0.7599	2.0186	2.8686
35 mph	0.0095	0.0000	0.0038	0.0045	-	-	-	-	0.0178
total	0.0135	0.0001	0.0054	0.0066	0.0856	0.0677	0.9939	2.6614	3.8342

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0002	0.0010	0.0019	0.0035
10 mph	0.0020	0.0000	0.0008	0.0049	0.1028	0.0794	0.5273	1.4695	2.1868
15 mph	0.0048	0.0000	0.0019	0.0041	0.0688	0.0542	0.3713	1.0213	1.5265
20 mph	0.0011	0.0000	0.0004	0.0029	0.0477	0.0376	0.6621	1.8077	2.5594
25 mph	0.0044	0.0000	0.0018	0.0109	0.2348	0.1860	2.5441	6.7579	9.7399
30 mph	0.0044	0.0000	0.0017	0.0110	0.1992	0.1567	1.8835	5.0013	7.2579
35 mph	0.0131	0.0001	0.0052	0.0147	0.2100	0.1652	1.2377	3.2893	4.9352
40 mph	0.0016	0.0000	0.0006	0.0054	0.1237	0.0964	1.1042	2.9400	4.2719
45 mph	0.0013	0.0000	0.0005	0.0042	0.0980	0.0753	0.7865	2.0978	3.0635
50 mph	0.0013	0.0000	0.0005	0.0046	0.1110	0.0843	0.6994	1.8563	2.7574
55 mph	0.0010	0.0000	0.0004	0.0031	0.0740	0.0557	0.2352	0.6319	1.0013
60 mph	0.0016	0.0000	0.0006	0.0043	0.0895	0.0669	9.7170	25.9047	35.7846
65 mph	0.0003	0.0000	0.0001	0.0009	0.0168	0.0124	-	-	0.0305
70 mph	0.0040	0.0000	0.0016	0.0200	0.4098	0.3032	-	-	0.7385
total	0.0408	0.0002	0.0163	0.0910	1.7864	1.3736	19.7691	52.7796	75.8569

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1868	0.1868
15 mph								0.0522	0.0522
20 mph								0.0912	0.0912
25 mph								0.4620	0.4620
30 mph								0.3970	0.3970
35 mph								0.1704	0.1704
40 mph								0.1819	0.1819
45 mph								0.1405	0.1405
50 mph								0.2214	0.2214
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.9035	1.9035

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.1644	0.1644
25 mph								0.2650	0.2650
30 mph								0.4294	0.4294
35 mph								0.4097	0.4097
40 mph								0.3608	0.3608
45 mph								0.2533	0.2533
50 mph								0.1228	0.1228
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.2685	1.2685

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
15 mph								0.0880	0.0880
25 mph								0.3096	0.3096
35 mph								-	-
total	-	-	-	-	-	-	-	0.3980	0.3980

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
10 mph								0.1868	0.1868
15 mph								0.1403	0.1403
20 mph								0.2556	0.2556
25 mph								1.0367	1.0367
30 mph								0.8264	0.8264
35 mph								0.5802	0.5802
40 mph								0.5427	0.5427
45 mph								0.3939	0.3939
50 mph								0.3442	0.3442
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	4.3069	4.3069

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0015	0.0006	0.0015	0.0022	0.0059
10 mph	0.0196	0.0022	0.0099	0.0203	0.1126	0.0827	0.5346	1.6567	2.4386
15 mph	0.0494	0.0056	0.0248	0.0173	0.0776	0.0572	0.3770	1.1619	1.7709
20 mph	0.0124	0.0014	0.0062	0.0128	0.0542	0.0398	0.6730	2.0640	2.8639
25 mph	0.0531	0.0060	0.0265	0.0513	0.2684	0.1972	2.5876	7.7974	10.9875
30 mph	0.0556	0.0063	0.0277	0.0550	0.2286	0.1664	1.9172	5.8300	8.2868
35 mph	0.1736	0.0197	0.0863	0.0754	0.2396	0.1748	1.2609	3.8710	5.9014
40 mph	0.0214	0.0024	0.0106	0.0282	0.1410	0.1020	1.1258	3.4842	4.9156
45 mph	0.0170	0.0019	0.0084	0.0222	0.1117	0.0797	0.8022	2.4928	3.5359
50 mph	0.0176	0.0020	0.0088	0.0237	0.1257	0.0890	0.7134	2.2015	3.1818
55 mph	0.0124	0.0015	0.0062	0.0159	0.0836	0.0587	0.2398	0.6322	1.0504
60 mph	0.0198	0.0023	0.0100	0.0213	0.1015	0.0707	9.9026	25.9176	36.0458
65 mph	0.0032	0.0004	0.0016	0.0040	0.0191	0.0132	-	-	0.0415
70 mph	0.0451	0.0058	0.0226	0.0922	0.4714	0.3211	-	-	0.9582
STREX	0.0704	0.0059	0.0312	0.1020	0.0462	0.0139	0.0174	0.0000	0.2871
total	0.5705	0.0634	0.2809	0.5417	2.0826	1.4669	20.1533	57.1118	**82.2711**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0219	0.0242	0.0259	0.0280	0.0370	0.0371	0.0293	0.0072
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0704	0.0059	0.0312	0.1020	0.0462	0.0139	0.0174	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0704	0.0059	0.0312	0.1020	0.0462	0.0139	0.0174	0.0000

World Logistics Center
Mobile Emissions - 2027 (Net) - Mitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					2.1034	2.1204	3.3585	2.5055
10 mph	0.0066	0.0147	0.0109	0.0133	0.0147	0.0117	0.0256	0.3186
15 mph	0.0044	0.0100	0.0074	0.0089	0.0100	0.0079	0.0171	0.2113
20 mph	0.0031	0.0071	0.0052	0.0063	0.0073	0.0056	0.0122	0.1493
25 mph	0.0023	0.0053	0.0039	0.0047	0.0055	0.0042	0.0089	0.1107
30 mph	0.0018	0.0042	0.0030	0.0037	0.0043	0.0032	0.0068	0.0867
35 mph	0.0015	0.0035	0.0025	0.0030	0.0036	0.0027	0.0056	0.0718
40 mph	0.0013	0.0030	0.0021	0.0026	0.0032	0.0023	0.0049	0.0627
45 mph	0.0012	0.0028	0.0020	0.0024	0.0030	0.0022	0.0044	0.0577
50 mph	0.0011	0.0027	0.0019	0.0023	0.0029	0.0021	0.0043	0.0559
55 mph	0.0011	0.0027	0.0019	0.0024	0.0030	0.0021	0.0044	0.0571
60 mph	0.0012	0.0028	0.0020	0.0025	0.0033	0.0023	0.0047	0.0611
65 mph	0.0013	0.0031	0.0022	0.0027	0.0037	0.0026		
70 mph	0.0014	0.0037	0.0023	0.0030	0.0039	0.0025		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0235	0.1100
10 mph	0.0047	0.0196	0.0090	0.0048	0.0253	0.0254	0.0015	0.0039
15 mph	0.0024	0.0131	0.0044	0.0024	0.0130	0.0130	0.0008	0.0021
20 mph	0.0010	0.0091	0.0017	0.0010	0.0058	0.0058	0.0006	0.0013
25 mph	0.0006	0.0071	0.0011	0.0006	0.0038	0.0037	0.0004	0.0011
30 mph	0.0005	0.0059	0.0008	0.0005	0.0030	0.0029	0.0004	0.0009
35 mph	0.0004	0.0051	0.0006	0.0004	0.0025	0.0024	0.0003	0.0007
40 mph	0.0003	0.0047	0.0005	0.0003	0.0022	0.0021	0.0003	0.0006
45 mph	0.0003	0.0044	0.0004	0.0003	0.0019	0.0019	0.0002	0.0006
50 mph	0.0003	0.0044	0.0004	0.0002	0.0018	0.0017	0.0002	0.0006
55 mph	0.0003	0.0046	0.0003	0.0002	0.0017	0.0017	0.0003	0.0006
60 mph	0.0003	0.0050	0.0003	0.0002	0.0017	0.0017	0.0003	0.0007
65 mph	0.0003	0.0057	0.0003	0.0002	0.0020	0.0019		
70 mph	0.0003	0.0067	0.0003	0.0002	0.0031	0.0027		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.9357
10 mph								11.6623
15 mph								7.9619
20 mph								5.5936
25 mph								4.1070
30 mph								3.0520
35 mph								2.2715
40 mph								1.6949
45 mph								1.2702
50 mph								0.9590
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0197	0.0033	0.0122	0.0199	0.0100	0.0024	0.0087	0.0008	0.0770
15 mph	0.0053	0.0009	0.0033	0.0054	0.0027	0.0006	0.0019	0.0002	0.0203
20 mph	0.0074	0.0013	0.0047	0.0076	0.0039	0.0009	0.0028	0.0002	0.0288
25 mph	0.0273	0.0048	0.0173	0.0281	0.0148	0.0034	0.0111	0.0010	0.1078
30 mph	0.0233	0.0042	0.0148	0.0242	0.0129	0.0029	0.0078	0.0007	0.0907
35 mph	0.0156	0.0028	0.0099	0.0163	0.0089	0.0020	0.0028	0.0003	0.0585
40 mph	0.0045	0.0008	0.0029	0.0047	0.0026	0.0006	0.0028	0.0002	0.0191
45 mph	0.0035	0.0006	0.0022	0.0036	0.0020	0.0004	0.0020	0.0002	0.0146
50 mph	0.0033	0.0006	0.0021	0.0035	0.0020	0.0004	0.0032	0.0003	0.0154
55 mph	0.0027	0.0005	0.0017	0.0028	0.0016	0.0003	0.0007	0.0001	0.0105
60 mph	0.0057	0.0010	0.0036	0.0059	0.0035	0.0007	0.0008	0.0001	0.0214
65 mph	0.0008	0.0001	0.0005	0.0008	0.0005	0.0001	-	-	0.0029
70 mph	-	-	-	-	-	-	-	-	-
total	0.1189	0.0211	0.0751	0.1228	0.0655	0.0148	0.0447	0.0039	0.4668

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0016	0.0003	0.0010	0.0034	0.0021	0.0005	-	-	0.0090
15 mph	0.0011	0.0002	0.0007	0.0023	0.0014	0.0003	-	-	0.0061
20 mph	0.0008	0.0001	0.0005	0.0016	0.0011	0.0002	0.0050	0.0004	0.0097
25 mph	0.0011	0.0002	0.0007	0.0024	0.0016	0.0004	0.0064	0.0006	0.0134
30 mph	0.0018	0.0003	0.0011	0.0038	0.0025	0.0006	0.0084	0.0007	0.0192
35 mph	0.0032	0.0006	0.0020	0.0070	0.0047	0.0011	0.0068	0.0006	0.0261
40 mph	0.0031	0.0006	0.0020	0.0068	0.0047	0.0010	0.0055	0.0005	0.0241
45 mph	0.0023	0.0004	0.0015	0.0050	0.0035	0.0008	0.0036	0.0003	0.0173
50 mph	0.0025	0.0005	0.0016	0.0054	0.0038	0.0008	0.0018	0.0002	0.0165
55 mph	0.0014	0.0003	0.0009	0.0030	0.0022	0.0005	0.0009	0.0001	0.0092
60 mph	0.0009	0.0002	0.0006	0.0019	0.0014	0.0003	0.0676	0.0061	0.0790
65 mph	0.0003	0.0001	0.0002	0.0007	0.0005	0.0001	-	-	0.0019
70 mph	0.0162	0.0032	0.0100	0.0359	0.0263	0.0051	-	-	0.0966
total	0.0362	0.0068	0.0227	0.0794	0.0560	0.0117	0.1060	0.0095	0.3282

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1805	0.0547	0.1318	0.0010	0.3679
15 mph	0.0347	0.0059	0.0217	0.0078	0.0043	0.0010	0.0033	0.0003	0.0790
25 mph	-	-	-	-	0.0045	0.0010	0.0075	0.0006	0.0136
35 mph	0.0492	0.0089	0.0313	0.0104	-	-	-	-	0.0998
total	0.0838	0.0149	0.0530	0.0182	0.1892	0.0568	0.1425	0.0019	0.5603

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1805	0.0547	0.1318	0.0010	0.3679
10 mph	0.0213	0.0036	0.0132	0.0234	0.0121	0.0029	0.0087	0.0008	0.0860
15 mph	0.0410	0.0070	0.0257	0.0154	0.0084	0.0020	0.0052	0.0004	0.1053
20 mph	0.0082	0.0014	0.0051	0.0092	0.0050	0.0012	0.0077	0.0007	0.0385
25 mph	0.0284	0.0050	0.0180	0.0306	0.0208	0.0048	0.0250	0.0022	0.1347
30 mph	0.0250	0.0045	0.0159	0.0280	0.0154	0.0035	0.0162	0.0014	0.1099
35 mph	0.0680	0.0124	0.0432	0.0337	0.0136	0.0030	0.0097	0.0009	0.1845
40 mph	0.0076	0.0014	0.0049	0.0115	0.0073	0.0016	0.0082	0.0007	0.0433
45 mph	0.0057	0.0010	0.0036	0.0086	0.0055	0.0012	0.0056	0.0005	0.0319
50 mph	0.0058	0.0011	0.0037	0.0089	0.0058	0.0012	0.0049	0.0004	0.0319
55 mph	0.0041	0.0007	0.0026	0.0059	0.0039	0.0008	0.0016	0.0001	0.0198
60 mph	0.0066	0.0012	0.0041	0.0078	0.0049	0.0010	0.0684	0.0062	0.1003
65 mph	0.0011	0.0002	0.0007	0.0015	0.0010	0.0002	-	-	0.0048
70 mph	0.0162	0.0032	0.0100	0.0359	0.0263	0.0051	-	-	0.0966
total	0.2390	0.0427	0.1507	0.2204	0.3107	0.0833	0.2931	0.0154	1.3553

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0001	0.0002	0.0147	0.0102	0.0028	0.0133	0.0414
15 mph	0.0000	0.0000	0.0000	0.0000	0.0030	0.0021	0.0005	0.0024	0.0081
20 mph	0.0000	0.0000	0.0000	0.0000	0.0027	0.0018	0.0007	0.0030	0.0083
25 mph	0.0001	0.0000	0.0000	0.0001	0.0088	0.0060	0.0030	0.0137	0.0317
30 mph	0.0001	0.0000	0.0000	0.0001	0.0076	0.0052	0.0022	0.0100	0.0252
35 mph	0.0000	0.0000	0.0000	0.0001	0.0052	0.0035	0.0008	0.0037	0.0134
40 mph	0.0000	0.0000	0.0000	0.0000	0.0015	0.0010	0.0008	0.0036	0.0069
45 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0007	0.0006	0.0026	0.0051
50 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0007	0.0009	0.0043	0.0070
55 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0005	0.0002	0.0011	0.0027
60 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0011	0.0003	0.0013	0.0043
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0005	0.0000	0.0002	0.0006	0.0483	0.0330	0.0130	0.0590	0.1546

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0032	0.0022	-	-	0.0054
15 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0011	-	-	0.0028
20 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0013	0.0054	0.0079
25 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0006	0.0017	0.0078	0.0112
30 mph	0.0000	0.0000	0.0000	0.0000	0.0015	0.0010	0.0024	0.0109	0.0158
35 mph	0.0000	0.0000	0.0000	0.0000	0.0028	0.0019	0.0020	0.0090	0.0157
40 mph	0.0000	0.0000	0.0000	0.0000	0.0027	0.0018	0.0016	0.0071	0.0132
45 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0013	0.0010	0.0047	0.0090
50 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0013	0.0005	0.0024	0.0063
55 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0007	0.0003	0.0013	0.0034
60 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0004	0.0237	0.1071	0.1319
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	0.0000	0.0000	0.0000	0.0001	0.0180	0.0107	-	-	0.0289
total	0.0001	0.0000	0.0000	0.0003	0.0373	0.0238	0.0346	0.1557	0.2518

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0108	0.0075	0.0050	0.0437	0.0670
15 mph	0.0002	0.0000	0.0001	0.0001	0.0048	0.0033	0.0009	0.0041	0.0134
25 mph	-	-	-	-	0.0026	0.0018	0.0020	0.0092	0.0157
35 mph	0.0001	0.0000	0.0001	0.0000	-	-	-	-	0.0003
total	0.0003	0.0000	0.0002	0.0001	0.0183	0.0126	0.0079	0.0570	0.0964

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0108	0.0075	0.0050	0.0437	0.0670
10 mph	0.0002	0.0000	0.0001	0.0002	0.0179	0.0124	0.0028	0.0133	0.0468
15 mph	0.0002	0.0000	0.0001	0.0001	0.0094	0.0065	0.0014	0.0065	0.0243
20 mph	0.0000	0.0000	0.0000	0.0000	0.0034	0.0023	0.0020	0.0084	0.0163
25 mph	0.0001	0.0000	0.0000	0.0001	0.0124	0.0084	0.0068	0.0307	0.0585
30 mph	0.0001	0.0000	0.0000	0.0001	0.0091	0.0062	0.0046	0.0209	0.0410
35 mph	0.0002	0.0000	0.0001	0.0001	0.0080	0.0054	0.0028	0.0127	0.0293
40 mph	0.0000	0.0000	0.0000	0.0000	0.0042	0.0028	0.0024	0.0106	0.0201
45 mph	0.0000	0.0000	0.0000	0.0000	0.0031	0.0020	0.0016	0.0074	0.0141
50 mph	0.0000	0.0000	0.0000	0.0000	0.0031	0.0020	0.0015	0.0066	0.0133
55 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0012	0.0005	0.0024	0.0061
60 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0015	0.0240	0.1084	0.1362
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	-	-	0.0008
70 mph	0.0000	0.0000	0.0000	0.0001	0.0180	0.0107	-	-	0.0289
total	0.0009	0.0000	0.0004	0.0009	0.1039	0.0694	0.0554	0.2717	0.5027

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								2.3621	2.3621
15 mph								0.5375	0.5375
20 mph								0.7553	0.7553
25 mph								3.0500	3.0500
30 mph								2.0605	2.0605
35 mph								0.6901	0.6901
40 mph								0.5722	0.5722
45 mph								0.3430	0.3430
50 mph								0.4208	0.4208
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	10.7916	10.7916

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1.3616	1.3616
25 mph								1.7495	1.7495
30 mph								2.2288	2.2288
35 mph								1.6588	1.6588
40 mph								1.1346	1.1346
45 mph								0.6184	0.6184
50 mph								0.2334	0.2334
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	6.9987	6.9987

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0452	0.0452
15 mph								0.9056	0.9056
25 mph								2.0442	2.0442
35 mph								-	-
total	-	-	-	-	-	-	-	2.9950	2.9950

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0452	0.0452
10 mph								2.3621	2.3621
15 mph								1.4432	1.4432
20 mph								2.1169	2.1169
25 mph								6.8437	6.8437
30 mph								4.2893	4.2893
35 mph								2.3489	2.3489
40 mph								1.7067	1.7067
45 mph								0.9614	0.9614
50 mph								0.6543	0.6543
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	22.7716	22.7716

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1913	0.0622	0.1368	0.0899	0.4801
10 mph	0.0214	0.0036	0.0133	0.0236	0.0300	0.0153	0.0115	2.3761	2.4949
15 mph	0.0412	0.0070	0.0258	0.0156	0.0179	0.0085	0.0066	1.4501	1.5728
20 mph	0.0082	0.0014	0.0052	0.0093	0.0084	0.0035	0.0097	2.1260	2.1716
25 mph	0.0285	0.0050	0.0180	0.0307	0.0332	0.0132	0.0318	6.8766	7.0370
30 mph	0.0251	0.0045	0.0159	0.0281	0.0245	0.0096	0.0208	4.3116	4.4402
35 mph	0.0682	0.0124	0.0433	0.0338	0.0216	0.0084	0.0125	2.3625	2.5627
40 mph	0.0076	0.0014	0.0049	0.0115	0.0115	0.0044	0.0106	1.7181	1.7701
45 mph	0.0058	0.0010	0.0037	0.0086	0.0086	0.0032	0.0073	0.9693	1.0074
50 mph	0.0058	0.0011	0.0037	0.0089	0.0089	0.0033	0.0064	0.6614	0.6994
55 mph	0.0041	0.0007	0.0026	0.0059	0.0057	0.0021	0.0022	0.0026	0.0259
60 mph	0.0066	0.0012	0.0041	0.0079	0.0072	0.0025	0.0924	0.1146	0.2365
65 mph	0.0011	0.0002	0.0007	0.0015	0.0015	0.0005	-	-	0.0056
70 mph	0.0162	0.0032	0.0100	0.0359	0.0443	0.0158	-	-	0.1254
STREX	0.1186	0.0121	0.0604	0.2132	0.0234	0.0071	0.0205	0.0000	0.4553
total	0.3585	0.0548	0.2116	0.4345	0.4380	0.1598	0.3690	23.0587	**25.0849**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0369	0.0496	0.0502	0.0586	0.0188	0.0190	0.0344	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1186	0.0121	0.0604	0.2132	0.0234	0.0071	0.0205	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1186	0.0121	0.0604	0.2132	0.0234	0.0071	0.0205	0.0000

World Logistics Center
Mobile Emissions - 2027 (Net) - Mitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,367.84	5,099.23	12,962.06	21,670.46
10 mph	453.61	530.25	549.80	678.55	1,436.76	1,653.60	2,971.04	3,527.20
15 mph	370.74	433.27	449.13	553.76	1,173.52	1,349.67	2,430.43	2,894.53
20 mph	308.36	360.39	373.56	460.66	975.71	1,122.38	2,017.91	2,411.71
25 mph	263.65	308.24	319.55	394.40	834.05	959.35	1,726.93	2,063.95
30 mph	233.98	273.64	283.75	350.66	740.42	851.72	1,534.58	1,830.98
35 mph	216.99	253.85	263.28	325.95	686.78	790.16	1,423.78	1,695.18
40 mph	210.27	245.98	255.11	315.92	664.90	765.03	1,377.71	1,639.07
45 mph	211.37	247.14	256.27	317.23	667.34	767.84	1,383.71	1,640.43
50 mph	217.72	254.51	263.84	326.94	687.03	790.13	1,423.28	1,685.64
55 mph	226.20	264.40	274.18	339.94	715.23	822.52	1,479.40	1,752.05
60 mph	233.01	272.67	282.98	351.30	744.13	855.72	1,538.52	1,820.57
65 mph	238.65	279.80	290.51	361.40	766.76	881.31		
70 mph	241.58	284.04	293.18	370.58	778.64	891.47		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,548.37	5,718.68	5,854.92	5,515.58
10 mph	379.15	824.82	510.90	636.14	926.98	1,037.04	1,812.57	2,710.49
15 mph	311.92	686.28	423.77	538.78	602.85	687.62	1,425.98	2,105.00
20 mph	255.86	563.58	348.11	447.53	514.52	587.23	1,217.93	1,784.51
25 mph	214.56	470.79	291.91	379.11	456.32	523.32	1,062.89	1,515.08
30 mph	185.92	405.06	252.42	328.12	414.91	472.54	933.03	1,329.50
35 mph	168.16	363.07	227.76	298.54	415.87	473.58	833.27	1,188.36
40 mph	157.38	338.28	212.55	279.43	405.03	456.88	763.38	1,090.77
45 mph	152.03	326.52	204.94	268.83	395.25	439.37	723.42	1,035.45
50 mph	152.53	326.57	205.17	270.48	414.72	456.01	713.74	1,016.49
55 mph	159.58	341.49	214.47	285.41	432.92	471.49	734.37	1,058.74
60 mph	173.03	370.06	232.36	309.05	436.97	472.87	784.70	1,122.59
65 mph	194.65	412.46	260.92	347.99	443.99	475.62		
70 mph	212.19	430.05	278.53	380.65	454.93	487.23		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,583.59
10 mph								4,523.25
15 mph								3,795.68
20 mph								3,312.83
25 mph								3,051.67
30 mph								2,884.46
35 mph								2,752.14
40 mph								2,643.74
45 mph								2,552.75
50 mph								2,475.00
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	1,352.17	119.94	614.46	1,014.20	973.81	337.08	1,011.69	8.39	5,431.74
15 mph	442.05	39.20	200.78	331.07	318.15	110.05	275.87	2.30	1,719.47
20 mph	735.36	65.21	333.99	550.82	529.05	183.03	458.09	3.83	2,859.39
25 mph	3,143.66	278.89	1,428.50	2,358.00	2,261.21	782.24	2,156.19	18.01	12,426.69
30 mph	3,068.93	272.34	1,395.31	2,306.14	2,208.09	763.93	1,741.84	14.52	11,771.11
35 mph	2,328.61	206.71	1,059.26	1,753.87	1,675.75	579.86	727.23	6.05	8,337.33
40 mph	752.15	66.77	342.13	566.64	540.78	187.14	781.89	6.50	3,244.00
45 mph	630.07	55.90	286.41	474.16	452.31	156.52	628.24	5.20	2,688.80
50 mph	648.99	57.57	294.87	488.67	465.65	161.06	1,050.08	8.69	3,175.58
55 mph	539.42	47.84	245.14	406.48	387.82	134.13	251.88	2.08	2,014.79
60 mph	1,111.33	98.68	506.01	840.11	806.97	279.10	261.95	2.17	3,906.31
65 mph	142.28	12.66	64.94	108.03	103.94	35.93	-	-	467.78
70 mph	-	-	-	-	-	-	-	-	-
total	14,895.04	1,321.71	6,771.78	11,198.21	10,723.53	3,710.07	9,344.93	77.74	58,043.01

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	111.83	9.92	50.82	175.18	208.82	72.28	-	-	628.85
15 mph	91.40	8.11	41.51	142.97	170.56	59.00	-	-	513.54
20 mph	76.02	6.74	34.53	118.93	141.81	49.06	825.82	6.90	1,259.81
25 mph	130.00	11.53	59.07	203.65	242.44	83.87	1,236.80	10.33	1,977.69
30 mph	230.74	20.48	104.91	362.13	430.45	148.92	1,884.06	15.71	3,197.39
35 mph	481.47	42.74	219.02	757.36	898.34	310.85	1,748.02	14.54	4,472.36
40 mph	518.39	46.02	235.80	815.63	966.36	334.41	1,550.51	12.89	4,480.01
45 mph	416.88	36.99	189.50	655.21	775.92	268.51	1,132.56	9.38	3,484.94
50 mph	483.08	42.85	219.48	759.67	898.67	310.84	582.47	4.82	3,301.88
55 mph	278.83	24.73	126.71	438.82	519.76	179.77	302.72	2.51	1,873.84
60 mph	172.34	15.30	78.47	272.09	324.45	112.21	22,037.16	182.22	23,194.24
65 mph	58.84	5.23	26.85	93.30	111.44	38.52	-	-	334.19
70 mph	2,739.71	244.43	1,246.55	4,400.97	5,205.69	1,792.51	-	-	15,629.85
total	5,789.54	515.07	2,633.23	9,195.90	10,894.70	3,760.75	31,300.12	259.29	64,348.60

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	374.77	131.59	508.49	8.56	1,023.40
15 mph	2,917.25	258.70	1,324.99	481.86	505.54	174.87	464.77	3.87	6,131.84
25 mph	-	-	-	-	682.38	236.06	1,445.13	12.07	2,375.64
35 mph	7,346.60	652.14	3,341.89	1,121.41	-	-	-	-	12,462.05
total	10,263.85	910.84	4,666.88	1,603.27	1,562.68	542.52	2,418.40	24.50	21,992.93

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	374.77	131.59	508.49	8.56	1,023.40
10 mph	1,464.00	129.86	665.28	1,189.39	1,182.62	409.36	1,011.69	8.39	6,060.60
15 mph	3,450.70	306.01	1,567.28	955.90	994.25	343.91	740.64	6.16	8,364.85
20 mph	811.38	71.96	368.52	669.75	670.86	232.09	1,283.91	10.72	4,119.20
25 mph	3,273.66	290.42	1,487.57	2,561.65	3,186.03	1,102.18	4,838.11	40.40	16,780.02
30 mph	3,299.68	292.82	1,500.22	2,668.27	2,638.54	912.85	3,625.90	30.23	14,968.51
35 mph	10,156.69	901.59	4,620.17	3,632.64	2,574.09	890.71	2,475.25	20.59	25,271.74
40 mph	1,270.55	112.78	577.93	1,382.27	1,507.14	521.55	2,332.40	19.39	7,724.01
45 mph	1,046.95	92.89	475.91	1,129.36	1,228.23	425.03	1,760.79	14.59	6,173.75
50 mph	1,132.07	100.42	514.35	1,248.34	1,364.33	471.90	1,632.55	13.51	6,477.46
55 mph	818.25	72.58	371.85	845.29	907.57	313.90	554.60	4.59	3,888.64
60 mph	1,283.67	113.98	584.47	1,112.20	1,131.42	391.31	22,299.10	184.38	27,100.54
65 mph	201.12	17.89	91.79	201.34	215.38	74.45	-	-	801.97
70 mph	2,739.71	244.43	1,246.55	4,400.97	5,205.69	1,792.51	-	-	15,629.85
total	30,948.43	2,747.62	14,071.89	21,997.37	23,180.91	8,013.34	43,063.45	361.52	144,384.54

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	11.96	0.05	4.76	26.71	538.49	416.17	3,354.76	9,348.58	13,701.48
15 mph	3.93	0.02	1.58	9.05	140.08	110.38	879.75	2,420.08	3,564.86
20 mph	6.46	0.03	2.59	15.03	239.11	188.53	1,502.78	4,103.22	6,057.75
25 mph	27.07	0.11	10.87	63.68	1,060.34	840.04	7,213.14	19,160.44	28,375.69
30 mph	25.80	0.11	10.34	60.63	1,060.53	834.39	5,756.22	15,284.98	23,032.99
35 mph	19.09	0.08	7.63	45.13	869.71	684.19	2,313.37	6,148.06	10,087.26
40 mph	5.96	0.02	2.37	14.08	282.35	220.02	2,354.82	6,270.18	9,149.80
45 mph	4.79	0.02	1.91	11.29	229.61	176.32	1,785.23	4,761.73	6,970.90
50 mph	4.81	0.02	1.91	11.36	240.92	183.00	2,862.17	7,596.12	10,900.31
55 mph	4.03	0.02	1.60	9.59	201.19	151.37	679.59	1,825.81	2,873.20
60 mph	8.73	0.03	3.46	20.77	406.15	303.62	726.18	1,935.93	3,404.87
65 mph	1.23	0.00	0.49	2.92	51.58	38.17	-	-	94.40
70 mph	-	-	-	-	-	-	-	-	-
total	123.85	0.50	49.51	290.25	5,320.06	4,146.21	29,428.00	78,855.13	118,213.50

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.99	0.00	0.39	4.61	115.47	89.24	-	-	210.71
15 mph	0.81	0.00	0.33	3.91	75.10	59.17	-	-	139.32
20 mph	0.67	0.00	0.27	3.25	64.09	50.53	2,709.14	7,397.09	10,225.04
25 mph	1.12	0.00	0.45	5.50	113.69	90.07	4,137.48	10,990.49	15,338.80
30 mph	1.94	0.01	0.78	9.52	206.74	162.66	6,226.23	16,533.03	23,140.90
35 mph	3.95	0.02	1.58	19.49	466.24	366.79	5,560.57	14,777.91	21,196.53
40 mph	4.10	0.02	1.64	20.27	504.54	393.16	4,669.67	12,433.95	18,027.35
45 mph	3.17	0.01	1.26	15.60	393.88	302.48	3,218.33	8,584.22	12,518.97
50 mph	3.58	0.01	1.42	17.66	464.95	353.17	1,587.63	4,213.52	6,641.94
55 mph	2.08	0.01	0.83	10.35	269.64	202.87	816.76	2,194.33	3,496.87
60 mph	1.35	0.01	0.54	6.73	163.30	122.08	61,092.03	162,866.93	224,252.96
65 mph	0.51	0.00	0.20	2.52	55.31	40.93	-	-	99.47
70 mph	25.46	0.10	9.86	127.01	2,606.83	1,928.68	-	-	4,697.95
total	49.73	0.19	19.54	246.42	5,499.78	4,161.83	90,017.84	239,991.47	339,986.80

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	260.94	290.52	1,248.41	2,191.58	3,991.45
15 mph	25.97	0.11	10.41	13.17	222.59	175.39	1,482.17	4,077.27	6,007.08
25 mph	-	-	-	-	319.99	253.51	4,834.43	12,841.83	18,249.76
35 mph	60.23	0.24	24.08	28.86	-	-	-	-	113.41
total	86.20	0.35	34.50	42.03	803.52	719.41	7,565.01	19,110.69	28,361.71

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	260.94	290.52	1,248.41	2,191.58	3,991.45
10 mph	12.95	0.05	5.15	31.33	653.97	505.41	3,354.76	9,348.58	13,912.19
15 mph	30.71	0.13	12.32	26.13	437.76	344.94	2,361.92	6,497.35	9,711.26
20 mph	7.12	0.03	2.86	18.28	303.20	239.06	4,211.93	11,500.31	16,282.79
25 mph	28.19	0.12	11.32	69.18	1,494.01	1,183.62	16,185.05	42,992.77	61,964.25
30 mph	27.74	0.11	11.12	70.15	1,267.27	997.04	11,982.45	31,818.01	46,173.89
35 mph	83.27	0.34	33.29	93.48	1,335.95	1,050.98	7,873.93	20,925.97	31,397.20
40 mph	10.06	0.04	4.01	34.35	786.89	613.18	7,024.48	18,704.13	27,177.15
45 mph	7.97	0.03	3.17	26.89	623.49	478.80	5,003.57	13,345.95	19,489.87
50 mph	8.39	0.03	3.33	29.02	705.86	536.17	4,449.80	11,809.64	17,542.25
55 mph	6.11	0.02	2.42	19.94	470.84	354.24	1,496.36	4,020.14	6,370.07
60 mph	10.08	0.04	4.00	27.49	569.45	425.70	61,818.21	164,802.86	227,657.83
65 mph	1.74	0.01	0.69	5.45	106.89	79.10	-	-	193.87
70 mph	25.46	0.10	9.86	127.01	2,606.83	1,928.68	-	-	4,697.95
total	259.78	1.05	103.54	578.69	11,623.36	9,027.45	127,010.85	337,957.29	486,562.01

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								916.14	916.14
15 mph								256.26	256.26
20 mph								447.32	447.32
25 mph								2,266.31	2,266.31
30 mph								1,947.39	1,947.39
35 mph								836.13	836.13
40 mph								892.44	892.44
45 mph								689.38	689.38
50 mph								1,086.12	1,086.12
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	9,337.47	9,337.47

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								806.41	806.41
25 mph								1,299.96	1,299.96
30 mph								2,106.40	2,106.40
35 mph								2,009.77	2,009.77
40 mph								1,769.72	1,769.72
45 mph								1,242.78	1,242.78
50 mph								602.46	602.46
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	6,222.54	6,222.54

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								130.28	130.28
15 mph								431.74	431.74
25 mph								1,518.94	1,518.94
35 mph								-	-
total	-	-	-	-	-	-	-	2,080.96	2,080.96

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								130.28	130.28
10 mph								916.14	916.14
15 mph								688.00	688.00
20 mph								1,253.73	1,253.73
25 mph								5,085.21	5,085.21
30 mph								4,053.80	4,053.80
35 mph								2,845.89	2,845.89
40 mph								2,662.16	2,662.16
45 mph								1,932.15	1,932.15
50 mph								1,688.58	1,688.58
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	21,255.94	21,255.94

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	635.71	422.11	1,756.90	2,330.43	5,145.14
10 mph	1,476.95	129.91	670.43	1,220.72	1,836.59	914.77	4,366.45	10,273.11	20,888.93
15 mph	3,481.42	306.13	1,579.59	982.03	1,432.01	688.85	3,102.56	7,191.51	18,764.10
20 mph	818.51	71.99	371.38	688.03	974.06	471.15	5,495.84	12,764.75	21,655.72
25 mph	3,301.84	290.54	1,498.89	2,630.83	4,680.04	2,285.79	21,023.16	48,118.38	83,829.47
30 mph	3,327.42	292.93	1,511.34	2,738.42	3,905.81	1,909.89	15,608.35	35,902.04	65,196.19
35 mph	10,239.96	901.92	4,653.47	3,726.12	3,910.04	1,941.68	10,349.19	23,792.45	59,514.84
40 mph	1,280.61	112.82	581.94	1,416.62	2,294.03	1,134.73	9,356.89	21,385.68	37,563.32
45 mph	1,054.92	92.92	479.08	1,156.25	1,851.72	903.83	6,764.36	15,292.69	27,595.77
50 mph	1,140.46	100.45	517.68	1,277.35	2,070.19	1,008.08	6,082.35	13,511.74	25,708.29
55 mph	824.36	72.60	374.27	865.23	1,378.41	668.14	2,050.96	4,024.73	10,258.71
60 mph	1,293.76	114.02	588.47	1,139.69	1,700.87	817.01	84,117.31	164,987.24	254,758.37
65 mph	202.85	17.90	92.47	206.78	322.27	153.56	-	-	995.84
70 mph	2,765.17	244.53	1,256.41	4,527.98	7,812.52	3,721.19	-	-	20,327.80
STREX	155.68	13.88	72.47	271.43	22.41	7.68	21.17	0.18	564.90
total	31,363.90	2,762.55	14,247.90	22,847.50	34,826.68	17,048.47	170,095.47	359,574.93	**652,767.39**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	48.49	56.96	60.19	74.58	17.97	20.47	35.57	43.71
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	155.68	13.88	72.47	271.43	22.41	7.68	21.17	0.18
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	155.68	13.88	72.47	271.43	22.41	7.68	21.17	0.18

World Logistics Center
Mobile Emissions - 2028 (Net) - Mitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
31.98	971.21	504.12	6.63	8.73	128.94	80.92	218.58	8.33	31.65	31.62	71.59	6.34	87.90	27.59	712,541.34

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
5.84	177.25	92.00	1.21	1.59	23.53	14.77	39.89	1.52	5.78	5.77	13.07	1.16	16.04	5.03	130,038.80

World Logistics Center
Mobile Emissions - 2028 (Net) - Mitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	1,876.16	20.20	75.47	65,107.55	701.15	2,618.96
LDT1	142.54	0.03	2.91	4,946.51	1.11	101.03
LDT2	703.81	6.06	18.20	24,424.16	210.23	631.50
MDT	1,760.54	51.26	46.17	26,953.78	784.85	706.92
LHDT1	595.52	528.18	-	13,527.29	11,997.72	-
LHDT2	177.97	362.28	-	4,042.70	8,229.20	-
MHDT	285.02	1,584.13	-	12,579.30	69,914.80	-
HHDT	2.07	2,937.28	177.36	91.32	129,635.65	7,827.74

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	46,060.32	496.03	1,852.78	19,047.22	205.12	766.18
LDT1	3,499.40	0.78	71.47	1,447.10	0.32	29.56
LDT2	17,278.87	148.73	446.76	7,145.29	61.50	184.75
MDT	14,462.91	421.14	379.32	12,490.87	363.72	327.60
LHDT1	6,528.07	5,789.92	-	6,999.22	6,207.80	-
LHDT2	1,950.95	3,971.29	-	2,091.75	4,257.91	-
MHDT	2,731.36	15,180.70	-	9,847.94	54,734.10	-
HHDT	19.83	28,147.97	1,699.65	71.49	101,487.68	6,128.09

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	2,303.02	174.97	863.94	723.15	326.40	97.55	163.88	1.19	4,654.10
15 mph	921.21	69.99	345.58	289.26	130.56	39.02	54.63	0.40	1,850.63
20 mph	1,842.41	139.98	691.15	578.52	261.12	78.04	109.25	0.79	3,701.27
25 mph	9,212.06	699.88	3,455.77	2,892.58	1,305.61	390.19	600.90	4.36	18,561.37
30 mph	10,133.27	769.87	3,801.35	3,181.84	1,436.18	429.21	546.27	3.97	20,301.95
35 mph	8,290.86	629.89	3,110.20	2,603.32	1,175.05	351.17	245.82	1.78	16,408.10
40 mph	2,763.62	209.96	1,036.73	867.77	391.68	117.06	273.14	1.98	5,661.95
45 mph	2,303.02	174.97	863.94	723.15	326.40	97.55	218.51	1.59	4,709.12
50 mph	2,303.02	174.97	863.94	723.15	326.40	97.55	355.08	2.58	4,846.68
55 mph	1,842.41	139.98	691.15	578.52	261.12	78.04	81.94	0.59	3,673.76
60 mph	3,684.83	279.95	1,382.31	1,157.03	522.25	156.08	81.94	0.59	7,264.98
65 mph	460.60	34.99	172.79	144.63	65.28	19.51	-	-	897.81
70 mph	-	-	-	-	-	-	-	-	-
total	46,060.32	3,499.40	17,278.87	14,462.91	6,528.07	1,950.95	2,731.36	19.83	92,531.71

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	190.47	14.47	71.45	124.91	69.99	20.92	-	-	492.21
15 mph	190.47	14.47	71.45	124.91	69.99	20.92	-	-	492.21
20 mph	190.47	14.47	71.45	124.91	69.99	20.92	196.96	1.43	690.60
25 mph	380.94	28.94	142.91	249.82	139.98	41.84	344.68	2.50	1,331.61
30 mph	761.89	57.88	285.81	499.63	279.97	83.67	590.88	4.29	2,564.02
35 mph	1,714.25	130.24	643.08	1,124.18	629.93	188.26	590.88	4.29	5,025.10
40 mph	1,904.72	144.71	714.53	1,249.09	699.92	209.18	541.64	3.93	5,467.71
45 mph	1,523.78	115.77	571.62	999.27	559.94	167.34	393.92	2.86	4,334.49
50 mph	1,714.25	130.24	643.08	1,124.18	629.93	188.26	196.96	1.43	4,628.32
55 mph	952.36	72.36	357.26	624.54	349.96	104.59	98.48	0.71	2,560.27
60 mph	571.42	43.41	214.36	374.73	209.98	62.75	6,893.56	50.05	8,420.25
65 mph	190.47	14.47	71.45	124.91	69.99	20.92	-	-	492.21
70 mph	8,761.72	665.67	3,286.83	5,745.80	3,219.64	962.21	-	-	22,641.87
total	19,047.22	1,447.10	7,145.29	12,490.87	6,999.22	2,091.75	9,847.94	71.49	59,140.89

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	40.97	12.24	18.68	0.19	72.08
15 mph	3,805.40	289.11	1,427.54	420.55	205.68	61.47	91.04	0.66	6,301.44
25 mph	-	-	-	-	390.63	116.74	398.37	2.89	908.63
35 mph	16,373.21	1,243.94	6,142.18	1,662.76	-	-	-	-	25,422.09
total	20,178.61	1,533.06	7,569.72	2,083.31	596.30	178.21	489.41	3.55	32,632.17

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	40.97	12.24	18.68	0.19	72.08
10 mph	2,493.49	189.44	935.40	848.05	396.40	118.46	163.88	1.19	5,146.31
15 mph	4,917.08	373.57	1,844.57	834.71	406.23	121.40	145.66	1.06	8,644.29
20 mph	2,032.89	154.45	762.61	703.42	331.11	98.96	306.21	2.22	4,391.87
25 mph	9,593.01	728.82	3,598.68	3,142.40	1,836.22	548.77	1,343.95	9.76	20,801.60
30 mph	10,895.16	827.75	4,087.16	3,681.47	1,716.14	512.88	1,137.15	8.26	22,865.98
35 mph	26,378.32	2,004.08	9,895.45	5,390.26	1,804.98	539.43	836.70	6.07	46,855.29
40 mph	4,668.34	354.67	1,751.26	2,116.86	1,091.61	326.23	814.77	5.92	11,129.67
45 mph	3,826.79	290.74	1,435.57	1,722.42	886.34	264.89	612.43	4.45	9,043.62
50 mph	4,017.27	305.21	1,507.02	1,847.32	956.33	285.81	552.04	4.01	9,475.00
55 mph	2,794.77	212.33	1,048.42	1,203.06	611.08	182.63	180.42	1.31	6,234.02
60 mph	4,256.24	323.37	1,596.67	1,531.76	732.22	218.83	6,975.50	50.64	15,685.23
65 mph	651.08	49.47	244.24	269.54	135.27	40.43	-	-	1,390.02
70 mph	8,761.72	665.67	3,286.83	5,745.80	3,219.64	962.21	-	-	22,641.87
total	85,286.16	6,479.56	31,993.88	29,037.08	14,123.59	4,220.91	13,068.71	94.88	184,304.77

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	24.80	0.04	7.44	21.06	289.50	198.56	910.84	1,688.88	3,141.11
15 mph	9.92	0.02	2.97	8.42	115.80	79.43	303.61	562.96	1,083.13
20 mph	19.84	0.03	5.95	16.85	231.60	158.85	607.23	1,125.92	2,166.26
25 mph	99.21	0.16	29.75	84.23	1,157.98	794.26	3,339.75	6,192.55	11,697.88
30 mph	109.13	0.17	32.72	92.65	1,273.78	873.68	3,036.14	5,629.59	11,047.87
35 mph	89.29	0.14	26.77	75.80	1,042.19	714.83	1,366.26	2,533.32	5,848.60
40 mph	29.76	0.05	8.92	25.27	347.40	238.28	1,518.07	2,814.80	4,982.54
45 mph	24.80	0.04	7.44	21.06	289.50	198.56	1,214.46	2,251.84	4,007.69
50 mph	24.80	0.04	7.44	21.06	289.50	198.56	1,973.49	3,659.24	6,174.12
55 mph	19.84	0.03	5.95	16.85	231.60	158.85	455.42	844.44	1,732.98
60 mph	39.68	0.06	11.90	33.69	463.19	317.70	455.42	844.44	2,166.09
65 mph	4.96	0.01	1.49	4.21	57.90	39.71	-	-	108.28
70 mph	-	-	-	-	-	-	-	-	-
total	496.03	0.78	148.73	421.14	5,789.92	3,971.29	15,180.70	28,147.97	54,156.56

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	2.05	0.00	0.62	3.64	62.08	42.58	-	-	110.96
15 mph	2.05	0.00	0.62	3.64	62.08	42.58	-	-	110.96
20 mph	2.05	0.00	0.62	3.64	62.08	42.58	1,094.68	2,029.75	3,235.40
25 mph	4.10	0.01	1.23	7.27	124.16	85.16	1,915.69	3,552.07	5,689.69
30 mph	8.20	0.01	2.46	14.55	248.31	170.32	3,284.05	6,089.26	9,817.16
35 mph	18.46	0.03	5.54	32.73	558.70	383.21	3,284.05	6,089.26	10,371.98
40 mph	20.51	0.03	6.15	36.37	620.78	425.79	3,010.38	5,581.82	9,701.84
45 mph	16.41	0.03	4.92	29.10	496.62	340.63	2,189.36	4,059.51	7,136.58
50 mph	18.46	0.03	5.54	32.73	558.70	383.21	1,094.68	2,029.75	4,123.11
55 mph	10.26	0.02	3.08	18.19	310.39	212.90	547.34	1,014.88	2,117.04
60 mph	6.15	0.01	1.85	10.91	186.23	127.74	38,313.87	71,041.38	109,688.14
65 mph	2.05	0.00	0.62	3.64	62.08	42.58	-	-	110.96
70 mph	94.36	0.15	28.29	167.31	2,855.59	1,958.64	-	-	5,104.33
total	205.12	0.32	61.50	363.72	6,207.80	4,257.91	54,734.10	101,487.68	167,318.15

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	36.33	24.92	103.79	192.46	357.51
15 mph	40.98	0.06	12.29	12.25	182.42	125.12	505.97	938.17	1,817.27
25 mph	-	-	-	-	346.46	237.63	2,214.11	4,105.39	6,903.59
35 mph	176.33	0.28	52.87	48.42	-	-	-	-	277.89
total	217.31	0.34	65.16	60.66	528.88	362.76	2,720.08	5,043.56	8,998.75

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	36.33	24.92	103.79	192.46	357.51
10 mph	26.85	0.04	8.05	24.69	351.57	241.14	910.84	1,688.88	3,252.08
15 mph	52.95	0.08	15.88	24.31	360.30	247.13	809.59	1,501.13	3,011.36
20 mph	21.89	0.03	6.56	20.48	293.67	201.43	1,701.91	3,155.67	5,401.66
25 mph	103.31	0.16	30.98	91.50	1,628.60	1,117.05	7,469.56	13,850.01	24,291.17
30 mph	117.33	0.19	35.18	107.20	1,522.10	1,044.00	6,320.19	11,718.85	20,865.03
35 mph	284.07	0.45	85.18	156.96	1,600.89	1,098.04	4,650.31	8,622.58	16,498.47
40 mph	50.27	0.08	15.07	61.64	968.18	664.07	4,528.45	8,396.62	14,684.38
45 mph	41.21	0.07	12.36	50.15	786.12	539.20	3,403.82	6,311.34	11,144.27
50 mph	43.26	0.07	12.97	53.79	848.20	581.78	3,068.17	5,688.99	10,297.23
55 mph	30.10	0.05	9.02	35.03	541.99	371.75	1,002.76	1,859.32	3,850.01
60 mph	45.84	0.07	13.74	44.60	649.43	445.44	38,769.29	71,885.82	111,854.23
65 mph	7.01	0.01	2.10	7.85	119.98	82.29	-	-	219.24
70 mph	94.36	0.15	28.29	167.31	2,855.59	1,958.64	-	-	5,104.33
total	918.46	1.45	275.39	845.52	12,526.60	8,591.96	72,634.88	134,679.21	230,473.46

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	92.64	3.57	22.34	18.97	-	-	-	101.98	239.50
15 mph	37.06	1.43	8.94	7.59	-	-	-	33.99	89.00
20 mph	74.11	2.86	17.87	15.17	-	-	-	67.99	178.00
25 mph	370.56	14.29	89.35	75.86	-	-	-	373.92	923.99
30 mph	407.61	15.72	98.29	83.45	-	-	-	339.93	945.00
35 mph	333.50	12.86	80.42	68.28	-	-	-	152.97	648.03
40 mph	111.17	4.29	26.81	22.76	-	-	-	169.96	334.98
45 mph	92.64	3.57	22.34	18.97	-	-	-	135.97	273.49
50 mph	92.64	3.57	22.34	18.97	-	-	-	220.95	358.47
55 mph	74.11	2.86	17.87	15.17	-	-	-	50.99	161.00
60 mph	148.22	5.72	35.74	30.35	-	-	-	50.99	271.02
65 mph	18.53	0.71	4.47	3.79	-	-	-	-	27.50
70 mph	-	-	-	-	-	-	-	-	-
total	1,852.78	71.47	446.76	379.32	-	-	-	1,699.65	4,449.98

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	7.66	0.30	1.85	3.28	-	-	-	-	13.08
15 mph	7.66	0.30	1.85	3.28	-	-	-	-	13.08
20 mph	7.66	0.30	1.85	3.28	-	-	-	122.56	135.64
25 mph	15.32	0.59	3.69	6.55	-	-	-	214.48	240.64
30 mph	30.65	1.18	7.39	13.10	-	-	-	367.69	420.01
35 mph	68.96	2.66	16.63	29.48	-	-	-	367.69	485.41
40 mph	76.62	2.96	18.47	32.76	-	-	-	337.04	467.85
45 mph	61.29	2.36	14.78	26.21	-	-	-	245.12	349.77
50 mph	68.96	2.66	16.63	29.48	-	-	-	122.56	240.29
55 mph	38.31	1.48	9.24	16.38	-	-	-	61.28	126.68
60 mph	22.99	0.89	5.54	9.83	-	-	-	4,289.66	4,328.91
65 mph	7.66	0.30	1.85	3.28	-	-	-	-	13.08
70 mph	352.44	13.60	84.98	150.70	-	-	-	-	601.72
total	766.18	29.56	184.75	327.60	-	-	-	6,128.09	7,436.17

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	11.62	11.62
15 mph	153.07	5.90	36.91	11.03	-	-	-	56.65	263.57
25 mph	-	-	-	-	-	-	-	247.89	247.89
35 mph	658.61	25.41	158.81	43.61	-	-	-	-	886.44
total	811.69	31.31	195.72	54.64	-	-	-	304.54	1,397.90

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	11.62	11.62
10 mph	100.30	3.87	24.19	22.24	-	-	-	101.98	252.58
15 mph	197.79	7.63	47.69	21.89	-	-	-	90.64	365.65
20 mph	81.77	3.15	19.72	18.45	-	-	-	190.55	313.64
25 mph	385.88	14.89	93.05	82.42	-	-	-	836.30	1,412.53
30 mph	438.26	16.91	105.68	96.55	-	-	-	707.61	1,365.01
35 mph	1,061.07	40.93	255.85	141.37	-	-	-	520.65	2,019.88
40 mph	187.78	7.24	45.28	55.52	-	-	-	507.01	802.84
45 mph	153.93	5.94	37.12	45.17	-	-	-	381.10	623.26
50 mph	161.59	6.23	38.97	48.45	-	-	-	343.52	598.76
55 mph	112.42	4.34	27.11	31.55	-	-	-	112.27	287.69
60 mph	171.21	6.60	41.28	40.17	-	-	-	4,340.65	4,599.92
65 mph	26.19	1.01	6.32	7.07	-	-	-	-	40.58
70 mph	352.44	13.60	84.98	150.70	-	-	-	-	601.72
total	2,265.07	87.38	546.17	382.92	-	-	-	2,447.74	13,284.04

World Logistics Center
Mobile Emissions - 2028 (Net) - Mitigated
Area Source Diesel Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	18854	330	0.21	3959.3	3767.2	40.6	151.5
	LDT1	15	1391	330	0.21	292.1	286.2	0.1	5.8
	LDT2	15	6962	330	0.21	1461.9	1413.2	12.2	36.5
	MDT	15	2097	330	0.21	440.5	417.4	12.2	10.9
	LHDT1	15	1843	330	0.21	387.0	205.1	181.9	0.0
	LHDT2	15	886	330	0.21	186.1	61.3	124.8	0.0
	MHDT	15	2821	330	0.21	592.4	90.3	502.1	0.0
	HHDT	15	4704	330	0.21	987.9	0.7	931.0	56.2
Travel at Light Logistics	LDA	15	135	175	0.11	14.9	14.2	0.2	0.6
	LDT1	15	10	175	0.11	1.1	1.1	0.0	0.0
	LDT2	15	50	175	0.11	5.5	5.3	0.0	0.1
	MDT	15	13	175	0.11	1.4	1.3	0.0	0.0
	LHDT1	15	7	175	0.11	0.8	0.4	0.4	0.0
	LHDT2	15	4	175	0.11	0.4	0.1	0.3	0.0
	MHDT	15	9	175	0.11	1.0	0.2	0.9	0.0
	HHDT	15	15	175	0.11	1.7	0.0	1.6	0.1
Travel at Utility	LDA	15	153	100	0.06	9.2	8.7	0.1	0.4
	LDT1	15	11	100	0.06	0.7	0.7	0.0	0.0
	LDT2	15	57	100	0.06	3.4	3.3	0.0	0.1
	MDT	15	33	100	0.06	2.0	1.9	0.1	0.0
	LHDT1	15	5	100	0.06	0.3	0.2	0.1	0.0
	LHDT2	15	2	100	0.06	0.1	0.0	0.1	0.0
	MHDT	15	9	100	0.06	0.6	0.1	0.5	0.0
	HHDT	15	16	100	0.06	1.0	0.0	0.9	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	99	50	0.03	3.0	0.5	2.5	0.0
	HHDT	15	166	50	0.03	5.0	0.0	4.7	0.3
Travel at Convenience Store	LDA	15	468	50	0.03	14.0	13.4	0.1	0.5
	LDT1	15	35	50	0.03	1.0	1.0	0.0	0.0
	LDT2	15	173	50	0.03	5.2	5.0	0.0	0.1
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	66	50	0.03	2.0	1.9	0.0	0.1
	LDT1	15	5	50	0.03	0.1	0.1	0.0	0.0
	LDT2	15	25	50	0.03	0.7	0.7	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	3805.4	289.1	1427.5	420.5	205.7	61.5	91.0	0.7
Diesel	41.0	0.1	12.3	12.2	182.4	125.1	506.0	938.2
Electric/Natural Gas (HHDT Only)	153.1	5.9	36.9	11.0	0.0	0.0	0.0	56.6

World Logistics Center
Mobile Emissions - 2028 (Net) - Mitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	921	488	433	0	2441.5	2165.5	0.0
	LHDT2	5	443	146	297	0	729.7	1485.3	0.0
	MHDT	5	1411	215	1195	0	1075.5	5977.5	0.0
	HHDT	5	2352	2	2217	134	7.8	11083.4	669.2
Travel at Light Logistics	LHDT1	5	4	2	2	0	9.8	8.7	0.0
	LHDT2	5	2	1	1	0	2.9	6.0	0.0
	MHDT	5	5	1	4	0	3.5	19.3	0.0
	HHDT	5	8	0	7	0	0.0	35.8	2.2
Travel at Utility	LHDT1	5	2	1	1	0	6.6	5.9	0.0
	LHDT2	5	1	0	1	0	2.0	4.0	0.0
	MHDT	5	5	1	4	0	3.6	20.1	0.0
	HHDT	5	8	0	7	0	0.0	37.3	2.3
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	50	8	42	0	37.9	210.7	0.0
	HHDT	5	83	0	78	5	0.3	390.8	23.6
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	41.0	12.2	18.7	0.2
Diesel	36.3	24.9	103.8	192.5
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	11.6

World Logistics Center
Mobile Emissions - 2028 (Net) - Mitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					15.4438	15.5988	27.0724	11.4688
10 mph	0.0219	0.0566	0.0397	0.0492	0.0596	0.0441	0.1075	1.4668
15 mph	0.0147	0.0385	0.0268	0.0331	0.0406	0.0298	0.0721	0.9725
20 mph	0.0104	0.0277	0.0190	0.0235	0.0298	0.0213	0.0512	0.6885
25 mph	0.0076	0.0207	0.0141	0.0175	0.0225	0.0158	0.0375	0.5107
30 mph	0.0059	0.0163	0.0110	0.0136	0.0179	0.0124	0.0288	0.4003
35 mph	0.0048	0.0135	0.0090	0.0112	0.0151	0.0102	0.0235	0.3318
40 mph	0.0042	0.0118	0.0078	0.0097	0.0134	0.0090	0.0205	0.2901
45 mph	0.0038	0.0108	0.0071	0.0089	0.0126	0.0083	0.0187	0.2670
50 mph	0.0037	0.0104	0.0068	0.0086	0.0123	0.0080	0.0181	0.2584
55 mph	0.0037	0.0104	0.0069	0.0087	0.0128	0.0082	0.0186	0.2643
60 mph	0.0039	0.0108	0.0072	0.0091	0.0137	0.0088	0.0199	0.2827
65 mph	0.0044	0.0119	0.0079	0.0101	0.0156	0.0100		
70 mph	0.0046	0.0140	0.0083	0.0109	0.0163	0.0095		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5054	2.3680
10 mph	0.0966	0.3958	0.1943	0.1010	0.5470	0.5490	0.0326	0.0827
15 mph	0.0489	0.2596	0.0953	0.0498	0.2787	0.2791	0.0181	0.0453
20 mph	0.0209	0.1773	0.0375	0.0201	0.1232	0.1225	0.0123	0.0282
25 mph	0.0132	0.1371	0.0227	0.0125	0.0797	0.0789	0.0097	0.0232
30 mph	0.0101	0.1136	0.0172	0.0096	0.0625	0.0617	0.0078	0.0188
35 mph	0.0082	0.0988	0.0137	0.0077	0.0521	0.0511	0.0064	0.0155
40 mph	0.0069	0.0897	0.0113	0.0065	0.0451	0.0440	0.0055	0.0133
45 mph	0.0061	0.0850	0.0096	0.0056	0.0403	0.0391	0.0051	0.0123
50 mph	0.0055	0.0845	0.0084	0.0049	0.0375	0.0362	0.0051	0.0123
55 mph	0.0051	0.0880	0.0074	0.0045	0.0356	0.0343	0.0056	0.0137
60 mph	0.0051	0.0956	0.0071	0.0043	0.0359	0.0345	0.0066	0.0190
65 mph	0.0053	0.1094	0.0072	0.0045	0.0406	0.0385		
70 mph	0.0054	0.1272	0.0073	0.0049	0.0633	0.0554		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0661
10 mph								0.5426
15 mph								0.3411
20 mph								0.2197
25 mph								0.1622
30 mph								0.1237
35 mph								0.0948
40 mph								0.0733
45 mph								0.0575
50 mph								0.0461
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1113	0.0218	0.0756	0.0784	0.0429	0.0095	0.0389	0.0038	0.3822
15 mph	0.0299	0.0059	0.0204	0.0211	0.0117	0.0026	0.0087	0.0009	0.1012
20 mph	0.0421	0.0085	0.0290	0.0300	0.0171	0.0037	0.0123	0.0012	0.1440
25 mph	0.1549	0.0320	0.1073	0.1115	0.0647	0.0136	0.0497	0.0049	0.5387
30 mph	0.1320	0.0277	0.0919	0.0957	0.0566	0.0117	0.0347	0.0035	0.4538
35 mph	0.0880	0.0187	0.0614	0.0642	0.0390	0.0079	0.0127	0.0013	0.2934
40 mph	0.0254	0.0054	0.0178	0.0186	0.0116	0.0023	0.0124	0.0013	0.0948
45 mph	0.0195	0.0042	0.0136	0.0143	0.0090	0.0018	0.0090	0.0009	0.0722
50 mph	0.0188	0.0040	0.0130	0.0137	0.0089	0.0017	0.0141	0.0015	0.0757
55 mph	0.0152	0.0032	0.0105	0.0111	0.0073	0.0014	0.0034	0.0003	0.0525
60 mph	0.0320	0.0067	0.0220	0.0233	0.0157	0.0030	0.0036	0.0004	0.1068
65 mph	0.0044	0.0009	0.0030	0.0032	0.0022	0.0004	-	-	0.0142
70 mph	-	-	-	-	-	-	-	-	-
total	0.6734	0.1392	0.4656	0.4852	0.2869	0.0597	0.1995	0.0200	2.3296

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0092	0.0018	0.0063	0.0135	0.0092	0.0020	-	-	0.0420
15 mph	0.0062	0.0012	0.0042	0.0091	0.0063	0.0014	-	-	0.0284
20 mph	0.0043	0.0009	0.0030	0.0065	0.0046	0.0010	0.0222	0.0022	0.0447
25 mph	0.0064	0.0013	0.0044	0.0096	0.0069	0.0015	0.0285	0.0028	0.0615
30 mph	0.0099	0.0021	0.0069	0.0150	0.0110	0.0023	0.0376	0.0038	0.0886
35 mph	0.0182	0.0039	0.0127	0.0277	0.0209	0.0043	0.0306	0.0031	0.1214
40 mph	0.0175	0.0038	0.0123	0.0268	0.0207	0.0042	0.0245	0.0025	0.1123
45 mph	0.0129	0.0028	0.0090	0.0197	0.0155	0.0031	0.0162	0.0017	0.0808
50 mph	0.0140	0.0030	0.0097	0.0213	0.0171	0.0033	0.0078	0.0008	0.0771
55 mph	0.0079	0.0017	0.0054	0.0120	0.0098	0.0019	0.0040	0.0004	0.0432
60 mph	0.0050	0.0010	0.0034	0.0076	0.0063	0.0012	0.3031	0.0312	0.3588
65 mph	0.0018	0.0004	0.0012	0.0028	0.0024	0.0005	-	-	0.0091
70 mph	0.0888	0.0206	0.0599	0.1386	0.1157	0.0202	-	-	0.4437
total	0.2021	0.0444	0.1385	0.3103	0.2466	0.0467	0.4746	0.0485	1.5116

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.3950	0.4211	1.1148	0.0049	2.9358
15 mph	0.1234	0.0245	0.0843	0.0307	0.0184	0.0040	0.0145	0.0014	0.3013
25 mph	-	-	-	-	0.0194	0.0041	0.0330	0.0033	0.0597
35 mph	0.1737	0.0370	0.1213	0.0410	-	-	-	-	0.3731
total	0.2972	0.0616	0.2056	0.0718	1.4328	0.4292	1.1622	0.0096	3.6699

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.3950	0.4211	1.1148	0.0049	2.9358
10 mph	0.1205	0.0236	0.0819	0.0919	0.0521	0.0115	0.0389	0.0038	0.4242
15 mph	0.1595	0.0317	0.1089	0.0610	0.0364	0.0080	0.0232	0.0023	0.4309
20 mph	0.0464	0.0094	0.0320	0.0365	0.0217	0.0046	0.0346	0.0034	0.1887
25 mph	0.1613	0.0333	0.1117	0.1211	0.0910	0.0192	0.1112	0.0110	0.6598
30 mph	0.1419	0.0298	0.0988	0.1107	0.0676	0.0140	0.0723	0.0073	0.5424
35 mph	0.2799	0.0597	0.1955	0.1330	0.0599	0.0122	0.0433	0.0044	0.7879
40 mph	0.0430	0.0092	0.0300	0.0454	0.0323	0.0065	0.0369	0.0038	0.2071
45 mph	0.0324	0.0069	0.0226	0.0339	0.0246	0.0049	0.0252	0.0026	0.1531
50 mph	0.0327	0.0070	0.0227	0.0351	0.0259	0.0051	0.0220	0.0023	0.1528
55 mph	0.0230	0.0049	0.0160	0.0231	0.0172	0.0033	0.0074	0.0008	0.0957
60 mph	0.0370	0.0077	0.0255	0.0309	0.0221	0.0043	0.3067	0.0316	0.4656
65 mph	0.0062	0.0013	0.0043	0.0060	0.0047	0.0009	-	-	0.0234
70 mph	0.0888	0.0206	0.0599	0.1386	0.1157	0.0202	-	-	0.4437
total	1.1727	0.2452	0.8097	0.8672	1.9662	0.5356	1.8364	0.0781	7.5111

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0053	0.0000	0.0032	0.0047	0.3491	0.2404	0.0654	0.3080	0.9761
15 mph	0.0011	0.0000	0.0006	0.0009	0.0712	0.0489	0.0121	0.0563	0.1910
20 mph	0.0009	0.0000	0.0005	0.0007	0.0629	0.0429	0.0165	0.0700	0.1944
25 mph	0.0029	0.0000	0.0015	0.0023	0.2034	0.1382	0.0711	0.3171	0.7365
30 mph	0.0024	0.0000	0.0012	0.0020	0.1756	0.1189	0.0523	0.2330	0.5855
35 mph	0.0016	0.0000	0.0008	0.0013	0.1198	0.0805	0.0194	0.0864	0.3098
40 mph	0.0005	0.0000	0.0002	0.0004	0.0346	0.0231	0.0185	0.0826	0.1598
45 mph	0.0003	0.0000	0.0002	0.0003	0.0257	0.0171	0.0136	0.0609	0.1181
50 mph	0.0003	0.0000	0.0001	0.0002	0.0239	0.0159	0.0222	0.0991	0.1618
55 mph	0.0002	0.0000	0.0001	0.0002	0.0182	0.0120	0.0056	0.0254	0.0617
60 mph	0.0004	0.0000	0.0002	0.0003	0.0367	0.0241	0.0066	0.0353	0.1037
65 mph	0.0001	0.0000	0.0000	0.0000	0.0052	0.0034	-	-	0.0087
70 mph	-	-	-	-	-	-	-	-	-
total	0.0160	0.0002	0.0087	0.0133	1.1263	0.7653	0.3033	1.3742	3.6073

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0004	0.0000	0.0003	0.0008	0.0749	0.0515	-	-	0.1279
15 mph	0.0002	0.0000	0.0001	0.0004	0.0381	0.0262	-	-	0.0651
20 mph	0.0001	0.0000	0.0001	0.0002	0.0169	0.0115	0.0297	0.1262	0.1846
25 mph	0.0001	0.0000	0.0001	0.0002	0.0218	0.0148	0.0408	0.1819	0.2597
30 mph	0.0002	0.0000	0.0001	0.0003	0.0342	0.0232	0.0566	0.2520	0.3666
35 mph	0.0003	0.0000	0.0002	0.0006	0.0642	0.0432	0.0466	0.2077	0.3627
40 mph	0.0003	0.0000	0.0002	0.0005	0.0618	0.0413	0.0367	0.1639	0.3045
45 mph	0.0002	0.0000	0.0001	0.0004	0.0441	0.0294	0.0245	0.1099	0.2086
50 mph	0.0002	0.0000	0.0001	0.0004	0.0462	0.0306	0.0123	0.0550	0.1448
55 mph	0.0001	0.0000	0.0001	0.0002	0.0243	0.0161	0.0068	0.0306	0.0781
60 mph	0.0001	0.0000	0.0000	0.0001	0.0147	0.0097	0.5550	2.9737	3.5534
65 mph	0.0000	0.0000	0.0000	0.0000	0.0056	0.0036	-	-	0.0092
70 mph	0.0011	0.0000	0.0005	0.0018	0.3987	0.2395	-	-	0.6416
total	0.0035	0.0001	0.0017	0.0058	0.8456	0.5405	0.8089	4.1008	6.3069

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2542	0.1744	0.1157	1.0049	1.5491
15 mph	0.0044	0.0000	0.0026	0.0013	0.1121	0.0770	0.0202	0.0938	0.3114
25 mph	-	-	-	-	0.0609	0.0413	0.0471	0.2102	0.3596
35 mph	0.0032	0.0001	0.0016	0.0008	-	-	-	-	0.0057
total	0.0076	0.0001	0.0042	0.0022	0.4272	0.2927	0.1830	1.3088	2.2258

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2542	0.1744	0.1157	1.0049	1.5491
10 mph	0.0057	0.0000	0.0034	0.0055	0.4240	0.2919	0.0654	0.3080	1.1041
15 mph	0.0057	0.0000	0.0033	0.0027	0.2214	0.1521	0.0323	0.1500	0.5676
20 mph	0.0010	0.0000	0.0005	0.0009	0.0798	0.0544	0.0462	0.1962	0.3790
25 mph	0.0030	0.0000	0.0015	0.0025	0.2861	0.1944	0.1590	0.7091	1.3558
30 mph	0.0026	0.0000	0.0013	0.0023	0.2099	0.1420	0.1089	0.4851	0.9521
35 mph	0.0051	0.0001	0.0026	0.0027	0.1840	0.1237	0.0660	0.2941	0.6782
40 mph	0.0008	0.0000	0.0004	0.0009	0.0963	0.0644	0.0552	0.2465	0.4644
45 mph	0.0005	0.0000	0.0003	0.0006	0.0698	0.0465	0.0381	0.1708	0.3267
50 mph	0.0005	0.0000	0.0002	0.0006	0.0702	0.0465	0.0346	0.1540	0.3066
55 mph	0.0003	0.0000	0.0001	0.0003	0.0425	0.0281	0.0124	0.0560	0.1398
60 mph	0.0005	0.0000	0.0002	0.0004	0.0514	0.0338	0.5616	3.0091	3.6571
65 mph	0.0001	0.0000	0.0000	0.0001	0.0107	0.0070	-	-	0.0179
70 mph	0.0011	0.0000	0.0005	0.0018	0.3987	0.2395	-	-	0.6416
total	0.0271	0.0004	0.0145	0.0213	2.3990	1.5986	1.2953	6.7838	12.1400

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1220	0.1220
15 mph								0.0256	0.0256
20 mph								0.0329	0.0329
25 mph								0.1338	0.1338
30 mph								0.0927	0.0927
35 mph								0.0320	0.0320
40 mph								0.0275	0.0275
45 mph								0.0172	0.0172
50 mph								0.0225	0.0225
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.5061	0.5061

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0594	0.0594
25 mph								0.0767	0.0767
30 mph								0.1003	0.1003
35 mph								0.0769	0.0769
40 mph								0.0545	0.0545
45 mph								0.0311	0.0311
50 mph								0.0125	0.0125
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.3132	0.3132

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0017	0.0017
15 mph								0.0426	0.0426
25 mph								0.0887	0.0887
35 mph								-	-
total	-	-	-	-	-	-	-	0.1330	0.1330

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0017	0.0017
10 mph								0.1220	0.1220
15 mph								0.0682	0.0682
20 mph								0.0923	0.0923
25 mph								0.2992	0.2992
30 mph								0.1930	0.1930
35 mph								0.1088	0.1088
40 mph								0.0819	0.0819
45 mph								0.0483	0.0483
50 mph								0.0349	0.0349
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.0503	1.0503

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2901	0.8375	0.5063	0.5582	0.8961	0.7942	0.4774	0.9126
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS + HOTSOAK Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.2000	0.2632	0.7857	2.1668	1.1767	0.3117	0.3000	0.0042
Electric/NG	-	-	-	-	-	-	-	-
Total	**1.2000**	**0.2632**	**0.7857**	**2.1668**	**1.1767**	**0.3117**	**0.3000**	**0.0042**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3538	0.7493	0.5851	0.7324	0.0736	0.0680	0.0544	0.0754
Electric/NG	0.0315	0.0313	0.0314	0.0314	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.7319	0.1177	0.4540	1.4215	0.0483	0.0133	0.0171	0.0002
Electric/NG	0.0026	0.0001	0.0006	0.0016	-	-	-	-
Total	0.7345	0.1178	0.4546	1.4231	0.0483	0.0133	0.0171	0.0002

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1479	0.2183	0.2108	0.2573	0.0860	0.0862	0.1717	0.0015
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.6120	0.0686	0.3272	0.9987	0.1129	0.0338	0.1079	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.6120	0.0686	0.3272	0.9987	0.1129	0.0338	0.1079	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.6492	0.5955	1.2305	1.0115	4.4866
10 mph	0.1262	0.0237	0.0853	0.0974	0.4761	0.3035	0.1043	0.4339	1.6503
15 mph	0.1652	0.0318	0.1122	0.0637	0.2578	0.1601	0.0555	0.2205	1.0666
20 mph	0.0474	0.0094	0.0325	0.0374	0.1015	0.0590	0.0807	0.2919	0.6600
25 mph	0.1643	0.0334	0.1133	0.1236	0.3771	0.2135	0.2703	1.0193	2.3148
30 mph	0.1445	0.0298	0.1001	0.1130	0.2775	0.1560	0.1812	0.6854	1.6875
35 mph	0.2850	0.0598	0.1980	0.1356	0.2439	0.1358	0.1093	0.4074	1.5750
40 mph	0.0437	0.0092	0.0304	0.0463	0.1287	0.0709	0.0920	0.3322	0.7534
45 mph	0.0329	0.0069	0.0228	0.0346	0.0944	0.0513	0.0634	0.2217	0.5280
50 mph	0.0332	0.0070	0.0230	0.0356	0.0961	0.0515	0.0566	0.1912	0.4943
55 mph	0.0234	0.0049	0.0161	0.0235	0.0597	0.0314	0.0198	0.0567	0.2355
60 mph	0.0375	0.0077	0.0257	0.0313	0.0735	0.0381	0.8683	3.0406	4.1227
65 mph	0.0063	0.0013	0.0043	0.0061	0.0154	0.0079	-	-	0.0413
70 mph	0.0899	0.0206	0.0604	0.1404	0.5144	0.2596	-	-	1.0854
RL+HS	1.2000	0.2632	0.7857	2.1668	1.1767	0.3117	0.3000	0.0042	6.2084
RL+DIURN	0.7345	0.1178	0.4546	1.4231	0.0483	0.0133	0.0171	0.0002	2.8090
STREX	0.6120	0.0686	0.3272	0.9987	0.1129	0.0338	0.1079	0.0000	2.2611
total	3.7463	0.6953	2.3917	5.4771	5.7032	2.4931	3.5567	7.9166	**31.9799**

World Logistics Center
Mobile Emissions - 2028 (Net) - Mitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.3469	1.3595	2.4050	27.4758
10 mph	0.0388	0.0985	0.0747	0.0905	0.1616	0.1744	0.3247	4.8734
15 mph	0.0341	0.0848	0.0650	0.0788	0.1426	0.1531	0.2885	4.3102
20 mph	0.0306	0.0751	0.0580	0.0704	0.1318	0.1392	0.2618	3.9256
25 mph	0.0278	0.0674	0.0522	0.0636	0.1218	0.1272	0.2368	3.6109
30 mph	0.0256	0.0619	0.0479	0.0586	0.1151	0.1186	0.2168	3.3849
35 mph	0.0241	0.0581	0.0448	0.0551	0.1108	0.1126	0.2024	3.2273
40 mph	0.0229	0.0556	0.0427	0.0527	0.1077	0.1081	0.1939	3.1130
45 mph	0.0222	0.0543	0.0415	0.0512	0.1058	0.1052	0.1868	3.0415
50 mph	0.0220	0.0545	0.0412	0.0510	0.1060	0.1040	0.1847	3.0202
55 mph	0.0223	0.0564	0.0422	0.0523	0.1088	0.1058	0.1881	3.0717
60 mph	0.0232	0.0600	0.0444	0.0550	0.1127	0.1098	0.1949	3.1730
65 mph	0.0243	0.0644	0.0468	0.0582	0.1190	0.1152		
70 mph	0.0250	0.0728	0.0477	0.0620	0.1335	0.1164		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					43.6794	44.0634	29.2562	28.0090
10 mph	0.0750	0.5605	0.1263	0.0742	0.7330	0.7069	5.0769	10.6803
15 mph	0.0554	0.5628	0.0856	0.0520	0.6207	0.6032	3.5704	7.4579
20 mph	0.0417	0.5717	0.0575	0.0371	0.6086	0.5824	2.8383	5.2647
25 mph	0.0355	0.5846	0.0446	0.0306	0.6038	0.5742	2.2140	4.3999
30 mph	0.0323	0.6002	0.0379	0.0275	0.6316	0.5942	1.6548	3.2897
35 mph	0.0301	0.6147	0.0334	0.0257	0.6807	0.6300	1.2091	2.4078
40 mph	0.0290	0.6364	0.0303	0.0244	0.7225	0.6624	0.8762	1.7584
45 mph	0.0285	0.6617	0.0279	0.0233	0.7526	0.6878	0.6581	1.3349
50 mph	0.0283	0.6844	0.0262	0.0230	0.7964	0.7256	0.5562	1.1246
55 mph	0.0280	0.7133	0.0249	0.0225	0.8096	0.7409	0.5691	1.1981
60 mph	0.0285	0.7407	0.0244	0.0226	0.8232	0.7527	0.6977	1.4373
65 mph	0.0287	0.7548	0.0247	0.0235	0.9272	0.8395		
70 mph	0.0302	0.7268	0.0266	0.0284	1.7084	1.4154		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								32.8306
10 mph								3.2294
15 mph								2.4007
20 mph								1.8759
25 mph								1.6081
30 mph								1.4483
35 mph								1.3320
40 mph								1.2448
45 mph								1.1792
50 mph								1.1311
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1969	0.0380	0.1422	0.1444	0.1163	0.0375	0.1173	0.0128	0.8054
15 mph	0.0693	0.0131	0.0496	0.0503	0.0411	0.0132	0.0348	0.0038	0.2750
20 mph	0.1243	0.0232	0.0883	0.0898	0.0759	0.0240	0.0631	0.0069	0.4954
25 mph	0.5640	0.1040	0.3975	0.4054	0.3507	0.1094	0.3137	0.0347	2.2796
30 mph	0.5730	0.1051	0.4017	0.4114	0.3646	0.1123	0.2612	0.0296	2.2589
35 mph	0.4397	0.0807	0.3071	0.3161	0.2872	0.0872	0.1097	0.0127	1.6404
40 mph	0.1398	0.0258	0.0976	0.1008	0.0930	0.0279	0.1168	0.0136	0.6153
45 mph	0.1130	0.0210	0.0791	0.0817	0.0762	0.0226	0.0900	0.0106	0.4941
50 mph	0.1116	0.0210	0.0785	0.0813	0.0763	0.0224	0.1446	0.0172	0.5530
55 mph	0.0906	0.0174	0.0644	0.0667	0.0626	0.0182	0.0340	0.0040	0.3579
60 mph	0.1888	0.0371	0.1355	0.1403	0.1298	0.0378	0.0352	0.0042	0.7086
65 mph	0.0246	0.0050	0.0178	0.0185	0.0171	0.0050	-	-	0.0881
70 mph	-	-	-	-	-	-	-	-	-
total	2.6358	0.4913	1.8593	1.9067	1.6908	0.5174	1.3204	0.1501	10.5717

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0163	0.0031	0.0118	0.0249	0.0249	0.0080	-	-	0.0891
15 mph	0.0143	0.0027	0.0102	0.0217	0.0220	0.0071	-	-	0.0781
20 mph	0.0129	0.0024	0.0091	0.0194	0.0203	0.0064	0.1137	0.0124	0.1966
25 mph	0.0233	0.0043	0.0164	0.0350	0.0376	0.0117	0.1800	0.0199	0.3283
30 mph	0.0431	0.0079	0.0302	0.0646	0.0711	0.0219	0.2825	0.0320	0.5533
35 mph	0.0909	0.0167	0.0635	0.1365	0.1540	0.0467	0.2637	0.0305	0.8025
40 mph	0.0964	0.0177	0.0673	0.1450	0.1662	0.0499	0.2316	0.0270	0.8011
45 mph	0.0747	0.0139	0.0523	0.1129	0.1306	0.0388	0.1622	0.0192	0.6047
50 mph	0.0831	0.0157	0.0584	0.1265	0.1473	0.0432	0.0802	0.0095	0.5638
55 mph	0.0468	0.0090	0.0333	0.0720	0.0839	0.0244	0.0409	0.0048	0.3151
60 mph	0.0293	0.0057	0.0210	0.0454	0.0522	0.0152	2.9628	0.3501	3.4818
65 mph	0.0102	0.0021	0.0074	0.0160	0.0184	0.0053	-	-	0.0593
70 mph	0.4828	0.1069	0.3456	0.7853	0.9477	0.2471	-	-	2.9153
total	1.0241	0.2081	0.7266	1.6053	1.8763	0.5257	4.3176	0.5055	10.7891

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1217	0.0367	0.0990	0.0117	0.2691
15 mph	0.2864	0.0541	0.2047	0.0731	0.0647	0.0208	0.0579	0.0063	0.7680
25 mph	-	-	-	-	0.1049	0.0327	0.2080	0.0230	0.3687
35 mph	0.8684	0.1595	0.6064	0.2019	-	-	-	-	1.8362
total	1.1548	0.2135	0.8112	0.2750	0.2913	0.0902	0.3649	0.0410	3.2420

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1217	0.0367	0.0990	0.0117	0.2691
10 mph	0.2132	0.0411	0.1540	0.1693	0.1412	0.0456	0.1173	0.0128	0.8945
15 mph	0.3701	0.0699	0.2645	0.1451	0.1278	0.0410	0.0927	0.0101	1.1211
20 mph	0.1372	0.0256	0.0975	0.1091	0.0962	0.0304	0.1767	0.0192	0.6920
25 mph	0.5873	0.1083	0.4140	0.4404	0.4933	0.1539	0.7017	0.0777	2.9765
30 mph	0.6161	0.1130	0.4319	0.4760	0.4356	0.1342	0.5437	0.0616	2.8122
35 mph	1.3990	0.2569	0.9770	0.6546	0.4412	0.1339	0.3734	0.0432	4.2791
40 mph	0.2362	0.0435	0.1649	0.2458	0.2592	0.0778	0.3484	0.0406	1.4164
45 mph	0.1877	0.0348	0.1314	0.1946	0.2068	0.0614	0.2522	0.0298	1.0988
50 mph	0.1947	0.0367	0.1369	0.2078	0.2236	0.0655	0.2249	0.0267	1.1168
55 mph	0.1374	0.0264	0.0976	0.1387	0.1465	0.0426	0.0748	0.0089	0.6729
60 mph	0.2181	0.0428	0.1565	0.1857	0.1820	0.0530	2.9981	0.3543	4.1905
65 mph	0.0348	0.0070	0.0252	0.0346	0.0355	0.0103	-	-	0.1474
70 mph	0.4828	0.1069	0.3456	0.7853	0.9477	0.2471	-	-	2.9153
total	4.8147	0.9129	3.3970	3.7870	3.8583	1.1332	6.0030	0.6966	24.6028

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0041	0.0000	0.0021	0.0034	0.4679	0.3095	10.1965	39.7731	50.7567
15 mph	0.0012	0.0000	0.0006	0.0010	0.1585	0.1056	2.3903	9.2577	11.9148
20 mph	0.0018	0.0000	0.0008	0.0014	0.3108	0.2040	3.8003	13.0703	17.3894
25 mph	0.0078	0.0002	0.0029	0.0057	1.5416	1.0056	16.3041	60.0791	78.9469
30 mph	0.0078	0.0002	0.0027	0.0056	1.7741	1.1447	11.0785	40.8362	54.8498
35 mph	0.0059	0.0002	0.0020	0.0043	1.5644	0.9930	3.6425	13.4498	19.6620
40 mph	0.0019	0.0001	0.0006	0.0014	0.5534	0.3480	2.9331	10.9137	14.7521
45 mph	0.0016	0.0001	0.0005	0.0011	0.4804	0.3011	1.7624	6.6282	9.1753
50 mph	0.0015	0.0001	0.0004	0.0011	0.5084	0.3177	2.4202	9.0741	12.3235
55 mph	0.0012	0.0000	0.0003	0.0008	0.4134	0.2595	0.5715	2.2308	3.4777
60 mph	0.0025	0.0001	0.0006	0.0017	0.8408	0.5273	0.7007	2.6763	4.7500
65 mph	0.0003	0.0000	0.0001	0.0002	0.1184	0.0735	-	-	0.1925
70 mph	-	-	-	-	-	-	-	-	-
total	0.0377	0.0011	0.0136	0.0276	8.7322	5.5895	55.8000	207.9893	278.1908

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0003	0.0000	0.0002	0.0006	0.1003	0.0664	-	-	0.1678
15 mph	0.0003	0.0000	0.0001	0.0004	0.0850	0.0566	-	-	0.1424
20 mph	0.0002	0.0000	0.0001	0.0003	0.0833	0.0547	6.8510	23.5625	30.5521
25 mph	0.0003	0.0000	0.0001	0.0005	0.1653	0.1078	9.3521	34.4615	44.0876
30 mph	0.0006	0.0000	0.0002	0.0009	0.3458	0.2231	11.9831	44.1706	56.7243
35 mph	0.0012	0.0000	0.0004	0.0019	0.8386	0.5323	8.7553	32.3289	42.4588
40 mph	0.0013	0.0000	0.0004	0.0020	0.9889	0.6219	5.8164	21.6422	29.0731
45 mph	0.0010	0.0000	0.0003	0.0015	0.8242	0.5166	3.1772	11.9490	16.4699
50 mph	0.0012	0.0000	0.0003	0.0017	0.9811	0.6131	1.3425	5.0333	7.9732
55 mph	0.0006	0.0000	0.0002	0.0009	0.5541	0.3478	0.6869	2.6811	4.2716
60 mph	0.0004	0.0000	0.0001	0.0005	0.3381	0.2120	58.9455	225.1526	284.6493
65 mph	0.0001	0.0000	0.0000	0.0002	0.1269	0.0788	-	-	0.2061
70 mph	0.0063	0.0002	0.0017	0.0105	10.7568	6.1127	-	-	16.8882
total	0.0138	0.0005	0.0041	0.0217	16.1885	9.5439	106.9100	400.9818	533.6644

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.4994	2.4213	6.6958	11.8861	24.5026
15 mph	0.0050	0.0001	0.0023	0.0014	0.2497	0.1664	3.9834	15.4279	19.8361
25 mph	-	-	-	-	0.4612	0.3009	10.8089	39.8298	51.4008
35 mph	0.0117	0.0004	0.0039	0.0027	-	-	-	-	0.0187
total	0.0167	0.0005	0.0062	0.0041	4.2103	2.8886	21.4880	67.1438	95.7582

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.4994	2.4213	6.6958	11.8861	24.5026
10 mph	0.0044	0.0001	0.0022	0.0040	0.5683	0.3759	10.1965	39.7731	50.9245
15 mph	0.0065	0.0001	0.0030	0.0028	0.4931	0.3287	6.3736	24.6856	31.8933
20 mph	0.0020	0.0000	0.0008	0.0017	0.3941	0.2587	10.6513	36.6329	47.9416
25 mph	0.0081	0.0002	0.0030	0.0062	2.1682	1.4142	36.4650	134.3704	174.4353
30 mph	0.0084	0.0002	0.0029	0.0065	2.1199	1.3678	23.0616	85.0068	111.5741
35 mph	0.0189	0.0006	0.0063	0.0089	2.4030	1.5253	12.3978	45.7788	62.1395
40 mph	0.0032	0.0001	0.0010	0.0033	1.5424	0.9699	8.7494	32.5559	43.8253
45 mph	0.0026	0.0001	0.0008	0.0026	1.3046	0.8177	4.9397	18.5772	25.6452
50 mph	0.0027	0.0001	0.0008	0.0027	1.4895	0.9308	3.7627	14.1074	20.2967
55 mph	0.0019	0.0001	0.0005	0.0017	0.9675	0.6073	1.2584	4.9119	7.7493
60 mph	0.0029	0.0001	0.0007	0.0022	1.1789	0.7393	59.6462	227.8289	289.3993
65 mph	0.0004	0.0000	0.0001	0.0004	0.2453	0.1523	-	-	0.3986
70 mph	0.0063	0.0002	0.0017	0.0105	10.7568	6.1127	-	-	16.8882
total	0.0682	0.0020	0.0239	0.0535	29.1310	18.0220	184.1980	676.1149	907.6135

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.7262	0.7262
15 mph								0.1799	0.1799
20 mph								0.2812	0.2812
25 mph								1.3259	1.3259
30 mph								1.0856	1.0856
35 mph								0.4493	0.4493
40 mph								0.4665	0.4665
45 mph								0.3536	0.3536
50 mph								0.5511	0.5511
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.4192	5.4192

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.5070	0.5070
25 mph								0.7605	0.7605
30 mph								1.1742	1.1742
35 mph								1.0799	1.0799
40 mph								0.9251	0.9251
45 mph								0.6374	0.6374
50 mph								0.3057	0.3057
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.5216	3.5216

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.8413	0.8413
15 mph								0.2999	0.2999
25 mph								0.8790	0.8790
35 mph								-	-
total	-	-	-	-	-	-	-	2.0201	2.0201

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.8413	0.8413
10 mph								0.7262	0.7262
15 mph								0.4798	0.4798
20 mph								0.7882	0.7882
25 mph								2.9654	2.9654
30 mph								2.2598	2.2598
35 mph								1.5292	1.5292
40 mph								1.3916	1.3916
45 mph								0.9909	0.9909
50 mph								0.8567	0.8567
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	12.8291	12.8291

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.6211	2.4580	6.7948	12.7390	25.6130
10 mph	0.2176	0.0412	0.1563	0.1733	0.7095	0.4214	10.3138	40.5121	52.5452
15 mph	0.3766	0.0700	0.2675	0.1479	0.6208	0.3697	6.4663	25.1754	33.4942
20 mph	0.1392	0.0256	0.0983	0.1108	0.4903	0.2891	10.8281	37.4403	49.4217
25 mph	0.5954	0.1085	0.4170	0.4466	2.6614	1.5682	37.1667	137.4135	180.3773
30 mph	0.6245	0.1133	0.4349	0.4825	2.5556	1.5020	23.6052	87.3282	116.6461
35 mph	1.4179	0.2575	0.9833	0.6635	2.8442	1.6592	12.7712	47.3512	67.9479
40 mph	0.2394	0.0436	0.1659	0.2491	1.8016	1.0477	9.0979	33.9882	46.6333
45 mph	0.1903	0.0349	0.1322	0.1972	1.5114	0.8791	5.1919	19.5979	27.7350
50 mph	0.1974	0.0368	0.1376	0.2105	1.7131	0.9964	3.9875	14.9908	22.2702
55 mph	0.1393	0.0265	0.0981	0.1404	1.1141	0.6499	1.3333	4.9208	8.4222
60 mph	0.2210	0.0429	0.1572	0.1879	1.3609	0.7923	62.6443	228.1832	293.5897
65 mph	0.0353	0.0070	0.0253	0.0350	0.2808	0.1626	-	-	0.5460
70 mph	0.4891	0.1071	0.3473	0.7958	11.7045	6.3598	-	-	19.8036
STREX	0.5917	0.0583	0.3004	0.8975	0.5526	0.1703	7.7272	15.8713	26.1693
total	5.4747	0.9732	3.7213	4.7380	33.5419	19.3256	197.9282	705.5119	**971.2147**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1430	0.1853	0.1936	0.2312	0.4208	0.4340	0.3330	0.2476
Diesel	-	-	-	-	-	-	2.1523	2.4504
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.5917	0.0583	0.3004	0.8975	0.5526	0.1703	0.2093	0.0011
Diesel	-	-	-	-	-	-	7.5180	15.8702
Electric/NG	-	-	-	-	-	-	-	-
Total	0.5917	0.0583	0.3004	0.8975	0.5526	0.1703	7.7272	15.8713

World Logistics Center
Mobile Emissions - 2028 (Net) - Mitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					154.5789	154.8100	386.8688	277.1937
10 mph	0.8469	1.4182	1.1483	1.2523	0.8228	0.5483	1.1084	50.2506
15 mph	0.7722	1.2729	1.0419	1.1335	0.6755	0.4781	1.0054	45.2662
20 mph	0.7066	1.1544	0.9508	1.0331	0.5842	0.4259	0.9232	41.1957
25 mph	0.6470	1.0485	0.8677	0.9428	0.5088	0.3800	0.8330	37.5665
30 mph	0.5941	0.9580	0.7947	0.8641	0.4545	0.3428	0.7515	34.4083
35 mph	0.5473	0.8814	0.7304	0.7958	0.4177	0.3139	0.6848	31.7012
40 mph	0.5074	0.8177	0.5885	0.7382	0.3945	0.2931	0.6378	29.4519
45 mph	0.4733	0.7633	0.6316	0.6890	0.3801	0.2763	0.5897	27.4438
50 mph	0.4413	0.7170	0.5892	0.6444	0.3748	0.2627	0.5529	25.6988
55 mph	0.4107	0.6732	0.5497	0.6027	0.3839	0.2563	0.5264	24.2316
60 mph	0.3769	0.6243	0.5057	0.5567	0.4025	0.2537	0.5004	22.9252
65 mph	0.3485	0.5866	0.4692	0.5188	0.4492	0.2621		
70 mph	0.3371	0.6093	0.4530	0.5090	0.4528	0.2248		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	21.3889	34.9515
10 mph	2.1943	2.4741	1.8587	2.3720	2.2651	2.2978	0.4845	1.3765
15 mph	1.0791	1.5516	0.9096	1.1591	1.1569	1.1691	0.2624	0.7360
20 mph	0.4298	0.9974	0.3559	0.4554	0.5241	0.5239	0.1753	0.4505
25 mph	0.2628	0.7741	0.2146	0.2765	0.3468	0.3445	0.1340	0.3605
30 mph	0.2005	0.6579	0.1625	0.2108	0.2789	0.2754	0.1028	0.2766
35 mph	0.1611	0.5900	0.1296	0.1695	0.2402	0.2350	0.0775	0.2086
40 mph	0.1346	0.5597	0.1073	0.1408	0.2159	0.2095	0.0581	0.1568
45 mph	0.1160	0.5595	0.0913	0.1202	0.2017	0.1944	0.0446	0.1206
50 mph	0.1030	0.5890	0.0795	0.1056	0.1992	0.1904	0.0369	0.0995
55 mph	0.0936	0.6568	0.0706	0.0944	0.2020	0.1921	0.0352	0.0961
60 mph	0.0918	0.7710	0.0674	0.0909	0.2196	0.2075	0.0393	0.1065
65 mph	0.0956	0.9512	0.0685	0.0940	0.2744	0.2558		
70 mph	0.0998	1.0869	0.0703	0.1018	0.4971	0.4278		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								33.2367
10 mph								35.0527
15 mph								24.6800
20 mph								17.8498
25 mph								13.0840
30 mph								9.6463
35 mph								7.1129
40 mph								5.2462
45 mph								3.8708
50 mph								2.8576
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	4.3008	0.5472	2.1875	1.9968	0.5922	0.1179	0.4005	0.1318	10.2748
15 mph	1.5686	0.1964	0.7939	0.7230	0.1945	0.0411	0.1211	0.0396	3.6782
20 mph	2.8704	0.3563	1.4490	1.3179	0.3364	0.0733	0.2224	0.0720	6.6977
25 mph	13.1423	1.6180	6.6121	6.0132	1.4648	0.3270	1.1037	0.3614	30.6425
30 mph	13.2741	1.6263	6.6608	6.0626	1.4392	0.3244	0.9052	0.3009	30.5935
35 mph	10.0047	1.2242	5.0093	4.5682	1.0823	0.2430	0.3712	0.1247	22.6277
40 mph	3.0922	0.3786	1.3454	1.4126	0.3407	0.0757	0.3841	0.1288	7.1579
45 mph	2.4034	0.2945	1.2032	1.0986	0.2735	0.0594	0.2841	0.0960	5.7129
50 mph	2.2411	0.2766	1.1224	1.0276	0.2698	0.0565	0.4329	0.1461	5.5730
55 mph	1.6686	0.2078	0.8377	0.7688	0.2210	0.0441	0.0951	0.0318	3.8749
60 mph	3.0624	0.3854	1.5415	1.4202	0.4635	0.0873	0.0904	0.0301	7.0807
65 mph	0.3540	0.0453	0.1788	0.1654	0.0647	0.0113	-	-	0.8194
70 mph	-	-	-	-	-	-	-	-	-
total	57.9826	7.1565	28.9416	26.5750	6.7425	1.4611	4.4108	1.4632	134.7332

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.3557	0.0453	0.1809	0.3449	0.1270	0.0253	-	-	1.0791
15 mph	0.3243	0.0406	0.1642	0.3122	0.1043	0.0221	-	-	0.9676
20 mph	0.2967	0.0368	0.1498	0.2846	0.0902	0.0196	0.4009	0.1299	1.4086
25 mph	0.5435	0.0669	0.2734	0.5193	0.1571	0.0351	0.6331	0.2073	2.4356
30 mph	0.9980	0.1223	0.5008	0.9520	0.2806	0.0632	0.9791	0.3255	4.2215
35 mph	2.0686	0.2531	1.0358	1.9727	0.5802	0.1303	0.8923	0.2999	7.2328
40 mph	2.1312	0.2609	0.9272	2.0333	0.6088	0.1352	0.7617	0.2554	7.1137
45 mph	1.5902	0.1949	0.7961	1.5181	0.4693	0.1020	0.5122	0.1731	5.3558
50 mph	1.6682	0.2059	0.8354	1.5975	0.5206	0.1090	0.2401	0.0810	5.2578
55 mph	0.8625	0.1074	0.4330	0.8300	0.2962	0.0591	0.1143	0.0382	2.7408
60 mph	0.4749	0.0598	0.2390	0.4599	0.1863	0.0351	7.6065	2.5298	11.5914
65 mph	0.1464	0.0187	0.0739	0.1429	0.0693	0.0121	-	-	0.4633
70 mph	6.5124	0.8943	3.2828	6.4494	3.2147	0.4770	-	-	20.8306
total	17.9726	2.3068	8.8924	17.4168	6.7045	1.2251	12.1403	4.0400	70.6985

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	13.9630	4.1792	15.9307	0.1180	34.1909
15 mph	6.4796	0.8115	3.2796	1.0511	0.3064	0.0648	0.2018	0.0660	12.2607
25 mph	-	-	-	-	0.4382	0.0978	0.7317	0.2396	1.5074
35 mph	19.7578	2.4176	9.8927	2.9177	-	-	-	-	34.9859
total	26.2375	3.2290	13.1723	3.9689	14.7076	4.3418	16.8643	0.4236	82.9449

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	13.9630	4.1792	15.9307	0.1180	34.1909
10 mph	4.6565	0.5924	2.3684	2.3418	0.7192	0.1432	0.4005	0.1318	11.3539
15 mph	8.3726	1.0485	4.2376	2.0863	0.6051	0.1280	0.3229	0.1056	16.9066
20 mph	3.1671	0.3931	1.5988	1.6025	0.4265	0.0929	0.6233	0.2019	8.1063
25 mph	13.6858	1.6850	6.8856	6.5325	2.0601	0.4599	2.4685	0.8082	34.5855
30 mph	14.2722	1.7485	7.1616	7.0146	1.7198	0.3877	1.8843	0.6263	34.8150
35 mph	31.8311	3.8949	15.9378	9.4586	1.6625	0.3733	1.2635	0.4246	64.8464
40 mph	5.2234	0.6395	2.2726	3.4459	0.9494	0.2108	1.1459	0.3841	14.2716
45 mph	3.9936	0.4893	1.9993	2.6168	0.7428	0.1614	0.7964	0.2691	11.0686
50 mph	3.9093	0.4825	1.9578	2.6251	0.7904	0.1656	0.6730	0.2271	10.8308
55 mph	2.5311	0.3152	1.2708	1.5988	0.5173	0.1032	0.2094	0.0700	6.6157
60 mph	3.5373	0.4451	1.7805	1.8801	0.6498	0.1224	7.6969	2.5599	18.6721
65 mph	0.5003	0.0640	0.2527	0.3083	0.1340	0.0234	-	-	1.2827
70 mph	6.5124	0.8943	3.2828	6.4494	3.2147	0.4770	-	-	20.8306
total	102.1927	12.6924	51.0062	47.9607	28.1547	7.0280	33.4154	5.9267	288.3766

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1200	0.0002	0.0305	0.1101	1.4459	1.0061	0.9732	5.1259	8.8119
15 mph	0.0236	0.0001	0.0060	0.0215	0.2954	0.2047	0.1757	0.9137	1.6406
20 mph	0.0188	0.0001	0.0047	0.0169	0.2677	0.1835	0.2347	1.1184	1.8448
25 mph	0.0575	0.0003	0.0141	0.0514	0.8855	0.6033	0.9866	4.9223	7.5209
30 mph	0.0482	0.0002	0.0117	0.0431	0.7833	0.5306	0.6883	3.4329	5.5383
35 mph	0.0317	0.0002	0.0077	0.0283	0.5519	0.3704	0.2335	1.1652	2.3888
40 mph	0.0088	0.0001	0.0021	0.0078	0.1654	0.1101	0.1945	0.9731	1.4619
45 mph	0.0063	0.0000	0.0015	0.0056	0.1288	0.0851	0.1193	0.5986	0.9453
50 mph	0.0056	0.0001	0.0013	0.0049	0.1272	0.0834	0.1607	0.8025	1.1857
55 mph	0.0041	0.0000	0.0009	0.0035	0.1031	0.0673	0.0353	0.1789	0.3933
60 mph	0.0080	0.0001	0.0018	0.0068	0.2243	0.1453	0.0395	0.1983	0.6241
65 mph	0.0010	0.0000	0.0002	0.0009	0.0350	0.0224	-	-	0.0596
70 mph	-	-	-	-	-	-	-	-	-
total	0.3338	0.0014	0.0824	0.3008	5.0136	3.4121	3.8413	19.4298	32.4152

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0099	0.0000	0.0025	0.0190	0.3101	0.2157	-	-	0.5573
15 mph	0.0049	0.0000	0.0012	0.0093	0.1584	0.1098	-	-	0.2835
20 mph	0.0019	0.0000	0.0005	0.0037	0.0717	0.0492	0.4231	2.0163	2.5664
25 mph	0.0024	0.0000	0.0006	0.0044	0.0949	0.0647	0.5659	2.8234	3.5564
30 mph	0.0036	0.0000	0.0009	0.0068	0.1527	0.1034	0.7445	3.7132	4.7251
35 mph	0.0066	0.0000	0.0016	0.0122	0.2959	0.1985	0.5614	2.8007	3.8769
40 mph	0.0061	0.0000	0.0015	0.0113	0.2956	0.1967	0.3856	1.9298	2.8266
45 mph	0.0042	0.0000	0.0010	0.0077	0.2209	0.1460	0.2151	1.0792	1.6741
50 mph	0.0042	0.0000	0.0010	0.0076	0.2455	0.1609	0.0892	0.4452	0.9535
55 mph	0.0021	0.0000	0.0005	0.0038	0.1382	0.0902	0.0425	0.2150	0.4923
60 mph	0.0012	0.0000	0.0003	0.0022	0.0902	0.0584	3.3233	16.6789	20.1546
65 mph	0.0004	0.0000	0.0001	0.0008	0.0376	0.0240	-	-	0.0629
70 mph	0.0208	0.0004	0.0044	0.0376	3.1303	1.8478	-	-	5.0412
total	0.0684	0.0006	0.0159	0.1263	5.2419	3.2654	6.3505	31.7017	46.7707

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.1070	1.4452	4.8952	14.8322	23.2797
15 mph	0.0975	0.0002	0.0246	0.0313	0.4654	0.3225	0.2928	1.5226	2.7569
25 mph	-	-	-	-	0.2649	0.1805	0.6541	3.2632	4.3628
35 mph	0.0626	0.0004	0.0151	0.0181	-	-	-	-	0.0962
total	0.1602	0.0006	0.0398	0.0494	2.8373	1.9482	5.8421	19.6180	30.4956

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.1070	1.4452	4.8952	14.8322	23.2797
10 mph	0.1299	0.0002	0.0330	0.1292	1.7560	1.2218	0.9732	5.1259	9.3691
15 mph	0.1260	0.0003	0.0318	0.0621	0.9191	0.6370	0.4684	2.4362	4.6811
20 mph	0.0207	0.0001	0.0052	0.0206	0.3394	0.2327	0.6578	3.1347	4.4112
25 mph	0.0599	0.0003	0.0147	0.0558	1.2454	0.8484	2.2066	11.0089	15.4400
30 mph	0.0519	0.0003	0.0126	0.0498	0.9360	0.6340	1.4327	7.1461	10.2634
35 mph	0.1009	0.0006	0.0243	0.0587	0.8477	0.5689	0.7949	3.9659	6.3619
40 mph	0.0149	0.0001	0.0036	0.0191	0.4610	0.3068	0.5801	2.9029	4.2885
45 mph	0.0105	0.0001	0.0025	0.0133	0.3497	0.2311	0.3344	1.6778	2.6195
50 mph	0.0098	0.0001	0.0023	0.0125	0.3726	0.2443	0.2499	1.2477	2.1392
55 mph	0.0062	0.0001	0.0014	0.0073	0.2414	0.1575	0.0778	0.3940	0.8856
60 mph	0.0093	0.0001	0.0020	0.0089	0.3145	0.2038	3.3628	16.8772	20.7786
65 mph	0.0015	0.0000	0.0003	0.0016	0.0726	0.0464	-	-	0.1225
70 mph	0.0208	0.0004	0.0044	0.0376	3.1303	1.8478	-	-	5.0412
total	0.5624	0.0026	0.1381	0.4765	13.0928	8.6257	16.0340	70.7495	109.6815

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								7.8821	7.8821
15 mph								1.8499	1.8499
20 mph								2.6758	2.6758
25 mph								10.7878	10.7878
30 mph								7.2303	7.2303
35 mph								2.3992	2.3992
40 mph								1.9661	1.9661
45 mph								1.1605	1.1605
50 mph								1.3923	1.3923
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	37.3440	37.3440

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								4.8239	4.8239
25 mph								6.1879	6.1879
30 mph								7.8207	7.8207
35 mph								5.7668	5.7668
40 mph								3.8989	3.8989
45 mph								2.0922	2.0922
50 mph								0.7723	0.7723
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	24.5993	24.5993

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.8517	0.8517
15 mph								3.0828	3.0828
25 mph								7.1518	7.1518
35 mph								-	-
total	-	-	-	-	-	-	-	11.0863	11.0863

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.8517	0.8517
10 mph								7.8821	7.8821
15 mph								4.9327	4.9327
20 mph								7.4997	7.4997
25 mph								24.1275	24.1275
30 mph								15.0510	15.0510
35 mph								8.1660	8.1660
40 mph								5.8650	5.8650
45 mph								3.2527	3.2527
50 mph								2.1645	2.1645
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	79.7929	79.7929

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	16.0700	5.6244	20.8260	15.8019	58.3223
10 mph	4.7865	0.5926	2.4014	2.4709	2.4752	1.3650	1.3737	13.1398	28.6051
15 mph	8.4986	1.0488	4.2695	2.1485	1.5242	0.7650	0.7914	7.4745	26.5204
20 mph	3.1879	0.3932	1.6039	1.6230	0.7659	0.3256	1.2812	10.8364	20.0172
25 mph	13.7456	1.6852	6.9002	6.5883	3.3055	1.3083	4.6752	35.9446	74.1530
30 mph	14.3240	1.7488	7.1742	7.0644	2.6558	1.0217	3.3171	22.8235	60.1294
35 mph	31.9321	3.8955	15.9622	9.5173	2.5102	0.9422	2.0584	12.5565	79.3743
40 mph	5.2383	0.6396	2.2762	3.4650	1.4104	0.5176	1.7259	9.1521	24.4252
45 mph	4.0042	0.4894	2.0018	2.6301	1.0925	0.3925	1.1308	5.1996	16.9408
50 mph	3.9191	0.4826	1.9601	2.6376	1.1630	0.4099	0.9229	3.6393	15.1345
55 mph	2.5373	0.3152	1.2722	1.6061	0.7587	0.2607	0.2872	0.4639	7.5013
60 mph	3.5466	0.4453	1.7826	1.8891	0.9643	0.3262	11.0597	19.4371	39.4508
65 mph	0.5018	0.0640	0.2530	0.3100	0.2066	0.0698	-	-	1.4051
70 mph	6.5331	0.8946	3.2872	6.4870	6.3450	2.3248	-	-	25.8717
STREX	7.4798	0.6003	3.5534	9.7647	2.0258	0.5884	2.2283	0.0236	26.2641
total	110.2348	13.2952	54.6977	58.2018	43.2732	16.2421	51.6776	156.4926	**504.1151**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.8081	1.9099	2.2897	2.5154	1.5427	1.4994	3.5455	5.1639
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	7.4798	0.6003	3.5534	9.7647	2.0258	0.5884	2.2283	0.0236
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	7.4798	0.6003	3.5534	9.7647	2.0258	0.5884	2.2283	0.0236

World Logistics Center
Mobile Emissions - 2028 (Net) - Mitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0534	0.0534	0.1350	0.2111
10 mph	0.0044	0.0052	0.0053	0.0066	0.0140	0.0162	0.0290	0.0344
15 mph	0.0036	0.0042	0.0044	0.0054	0.0115	0.0132	0.0237	0.0282
20 mph	0.0030	0.0035	0.0036	0.0045	0.0095	0.0110	0.0197	0.0235
25 mph	0.0026	0.0030	0.0031	0.0038	0.0082	0.0094	0.0169	0.0201
30 mph	0.0023	0.0027	0.0027	0.0034	0.0072	0.0083	0.0150	0.0178
35 mph	0.0021	0.0025	0.0026	0.0032	0.0067	0.0077	0.0139	0.0165
40 mph	0.0020	0.0024	0.0025	0.0031	0.0065	0.0075	0.0135	0.0160
45 mph	0.0021	0.0024	0.0025	0.0031	0.0065	0.0075	0.0135	0.0160
50 mph	0.0021	0.0025	0.0026	0.0032	0.0067	0.0077	0.0139	0.0164
55 mph	0.0022	0.0026	0.0027	0.0033	0.0070	0.0080	0.0144	0.0171
60 mph	0.0023	0.0027	0.0027	0.0034	0.0073	0.0084	0.0150	0.0177
65 mph	0.0023	0.0027	0.0028	0.0035	0.0075	0.0086		
70 mph	0.0024	0.0028	0.0028	0.0036	0.0076	0.0087		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0335	0.0540	0.0558	0.0507
10 mph	0.0035	0.0076	0.0048	0.0059	0.0087	0.0097	0.0169	0.0272
15 mph	0.0029	0.0063	0.0039	0.0050	0.0056	0.0064	0.0133	0.0201
20 mph	0.0024	0.0052	0.0032	0.0042	0.0048	0.0055	0.0114	0.0168
25 mph	0.0020	0.0044	0.0027	0.0035	0.0043	0.0049	0.0099	0.0142
30 mph	0.0017	0.0037	0.0023	0.0031	0.0039	0.0044	0.0087	0.0125
35 mph	0.0016	0.0034	0.0021	0.0028	0.0039	0.0044	0.0078	0.0114
40 mph	0.0015	0.0031	0.0020	0.0026	0.0038	0.0043	0.0071	0.0104
45 mph	0.0014	0.0030	0.0019	0.0025	0.0037	0.0041	0.0068	0.0098
50 mph	0.0014	0.0030	0.0019	0.0025	0.0039	0.0043	0.0067	0.0095
55 mph	0.0015	0.0032	0.0020	0.0027	0.0040	0.0044	0.0069	0.0099
60 mph	0.0016	0.0034	0.0022	0.0029	0.0041	0.0044	0.0073	0.0104
65 mph	0.0018	0.0038	0.0024	0.0032	0.0041	0.0044		
70 mph	0.0020	0.0040	0.0026	0.0035	0.0042	0.0045		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0224	0.0020	0.0101	0.0105	0.0101	0.0035	0.0105	0.0001	0.0692
15 mph	0.0073	0.0007	0.0033	0.0034	0.0033	0.0011	0.0029	0.0000	0.0220
20 mph	0.0122	0.0011	0.0055	0.0057	0.0055	0.0019	0.0047	0.0000	0.0366
25 mph	0.0521	0.0046	0.0236	0.0244	0.0235	0.0081	0.0223	0.0002	0.1588
30 mph	0.0509	0.0045	0.0230	0.0238	0.0229	0.0079	0.0180	0.0002	0.1513
35 mph	0.0386	0.0034	0.0175	0.0181	0.0174	0.0060	0.0075	0.0001	0.1086
40 mph	0.0125	0.0011	0.0057	0.0059	0.0056	0.0019	0.0081	0.0001	0.0408
45 mph	0.0104	0.0009	0.0047	0.0049	0.0047	0.0016	0.0065	0.0001	0.0339
50 mph	0.0108	0.0010	0.0049	0.0050	0.0048	0.0017	0.0109	0.0001	0.0391
55 mph	0.0089	0.0008	0.0040	0.0042	0.0040	0.0014	0.0026	0.0000	0.0260
60 mph	0.0184	0.0016	0.0084	0.0087	0.0084	0.0029	0.0027	0.0000	0.0511
65 mph	0.0024	0.0002	0.0011	0.0011	0.0011	0.0004	-	-	0.0062
70 mph	-	-	-	-	-	-	-	-	-
total	0.2468	0.0219	0.1118	0.1157	0.1113	0.0383	0.0968	0.0008	0.7435

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0019	0.0002	0.0008	0.0018	0.0022	0.0007	-	-	0.0076
15 mph	0.0015	0.0001	0.0007	0.0015	0.0018	0.0006	-	-	0.0062
20 mph	0.0013	0.0001	0.0006	0.0012	0.0015	0.0005	0.0086	0.0001	0.0138
25 mph	0.0022	0.0002	0.0010	0.0021	0.0025	0.0009	0.0128	0.0001	0.0217
30 mph	0.0038	0.0003	0.0017	0.0037	0.0045	0.0015	0.0195	0.0002	0.0353
35 mph	0.0080	0.0007	0.0036	0.0078	0.0093	0.0032	0.0181	0.0002	0.0509
40 mph	0.0086	0.0008	0.0039	0.0084	0.0100	0.0035	0.0161	0.0001	0.0514
45 mph	0.0069	0.0006	0.0031	0.0068	0.0081	0.0028	0.0117	0.0001	0.0401
50 mph	0.0080	0.0007	0.0036	0.0078	0.0093	0.0032	0.0060	0.0001	0.0388
55 mph	0.0046	0.0004	0.0021	0.0045	0.0054	0.0019	0.0031	0.0000	0.0221
60 mph	0.0029	0.0003	0.0013	0.0028	0.0034	0.0012	0.2283	0.0020	0.2420
65 mph	0.0010	0.0001	0.0004	0.0010	0.0012	0.0004	-	-	0.0040
70 mph	0.0454	0.0041	0.0206	0.0454	0.0540	0.0185	-	-	0.1880
total	0.0959	0.0085	0.0435	0.0949	0.1131	0.0388	0.3243	0.0028	0.7219

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0048	0.0014	0.0056	0.0001	0.0119
15 mph	0.0303	0.0027	0.0137	0.0050	0.0052	0.0018	0.0048	0.0000	0.0634
25 mph	-	-	-	-	0.0070	0.0024	0.0148	0.0001	0.0244
35 mph	0.0762	0.0068	0.0345	0.0116	-	-	-	-	0.1291
total	0.1065	0.0095	0.0482	0.0165	0.0171	0.0056	0.0251	0.0003	0.2288

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0048	0.0014	0.0056	0.0001	0.0119
10 mph	0.0243	0.0022	0.0110	0.0123	0.0123	0.0042	0.0105	0.0001	0.0768
15 mph	0.0391	0.0035	0.0177	0.0099	0.0103	0.0035	0.0076	0.0001	0.0916
20 mph	0.0134	0.0012	0.0061	0.0069	0.0070	0.0024	0.0133	0.0001	0.0504
25 mph	0.0542	0.0048	0.0246	0.0265	0.0330	0.0114	0.0500	0.0004	0.2049
30 mph	0.0547	0.0049	0.0248	0.0276	0.0274	0.0094	0.0376	0.0003	0.1866
35 mph	0.1228	0.0109	0.0557	0.0375	0.0267	0.0092	0.0256	0.0002	0.2886
40 mph	0.0211	0.0019	0.0095	0.0143	0.0156	0.0054	0.0242	0.0002	0.0921
45 mph	0.0173	0.0015	0.0079	0.0117	0.0127	0.0044	0.0182	0.0002	0.0739
50 mph	0.0188	0.0017	0.0085	0.0129	0.0142	0.0049	0.0169	0.0001	0.0779
55 mph	0.0136	0.0012	0.0061	0.0087	0.0094	0.0032	0.0057	0.0000	0.0481
60 mph	0.0213	0.0019	0.0097	0.0115	0.0117	0.0040	0.2310	0.0020	0.2931
65 mph	0.0033	0.0003	0.0015	0.0021	0.0022	0.0008	-	-	0.0102
70 mph	0.0454	0.0041	0.0206	0.0454	0.0540	0.0185	-	-	0.1880
total	0.4492	0.0400	0.2036	0.2271	0.2414	0.0827	0.4463	0.0039	1.6942

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0002	0.0000	0.0001	0.0003	0.0055	0.0042	0.0340	0.1014	0.1457
15 mph	0.0001	0.0000	0.0000	0.0001	0.0014	0.0011	0.0089	0.0250	0.0366
20 mph	0.0001	0.0000	0.0000	0.0002	0.0025	0.0019	0.0152	0.0416	0.0615
25 mph	0.0004	0.0000	0.0002	0.0007	0.0109	0.0086	0.0731	0.1944	0.2882
30 mph	0.0004	0.0000	0.0002	0.0006	0.0109	0.0085	0.0583	0.1549	0.2338
35 mph	0.0003	0.0000	0.0001	0.0005	0.0089	0.0070	0.0234	0.0635	0.1037
40 mph	0.0001	0.0000	0.0000	0.0001	0.0029	0.0022	0.0239	0.0644	0.0937
45 mph	0.0001	0.0000	0.0000	0.0001	0.0024	0.0018	0.0181	0.0487	0.0712
50 mph	0.0001	0.0000	0.0000	0.0001	0.0025	0.0019	0.0290	0.0768	0.1104
55 mph	0.0001	0.0000	0.0000	0.0001	0.0021	0.0015	0.0069	0.0183	0.0290
60 mph	0.0001	0.0000	0.0001	0.0002	0.0042	0.0031	0.0074	0.0194	0.0345
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0004	-	-	0.0010
70 mph	-	-	-	-	-	-	-	-	-
total	0.0020	0.0000	0.0008	0.0030	0.0546	0.0423	0.2982	0.8084	1.2093

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0009	-	-	0.0022
15 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	-	-	0.0014
20 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0274	0.0750	0.1037
25 mph	0.0000	0.0000	0.0000	0.0001	0.0012	0.0009	0.0419	0.1115	0.1556
30 mph	0.0000	0.0000	0.0000	0.0001	0.0021	0.0017	0.0631	0.1676	0.2346
35 mph	0.0001	0.0000	0.0000	0.0002	0.0048	0.0037	0.0564	0.1526	0.2178
40 mph	0.0001	0.0000	0.0000	0.0002	0.0052	0.0040	0.0473	0.1277	0.1845
45 mph	0.0001	0.0000	0.0000	0.0002	0.0040	0.0031	0.0326	0.0878	0.1278
50 mph	0.0001	0.0000	0.0000	0.0002	0.0048	0.0036	0.0161	0.0426	0.0673
55 mph	0.0000	0.0000	0.0000	0.0001	0.0028	0.0021	0.0083	0.0220	0.0353
60 mph	0.0000	0.0000	0.0000	0.0001	0.0017	0.0012	0.6190	1.6358	2.2579
65 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	-	-	0.0010
70 mph	0.0004	0.0000	0.0002	0.0013	0.0267	0.0196	-	-	0.0482
total	0.0008	0.0000	0.0003	0.0025	0.0564	0.0424	0.9122	2.4226	3.4372

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0027	0.0030	0.0128	0.0215	0.0399
15 mph	0.0003	0.0000	0.0001	0.0001	0.0023	0.0018	0.0148	0.0416	0.0610
25 mph	-	-	-	-	0.0033	0.0026	0.0484	0.1289	0.1831
35 mph	0.0006	0.0000	0.0002	0.0003	-	-	-	-	0.0012
total	0.0009	0.0000	0.0004	0.0004	0.0082	0.0073	0.0761	0.1920	0.2852

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0027	0.0030	0.0128	0.0215	0.0399
10 mph	0.0002	0.0000	0.0001	0.0003	0.0067	0.0052	0.0340	0.1014	0.1479
15 mph	0.0003	0.0000	0.0001	0.0003	0.0045	0.0035	0.0238	0.0665	0.0990
20 mph	0.0001	0.0000	0.0000	0.0002	0.0031	0.0024	0.0427	0.1166	0.1652
25 mph	0.0005	0.0000	0.0002	0.0007	0.0153	0.0120	0.1634	0.4348	0.6269
30 mph	0.0004	0.0000	0.0002	0.0007	0.0130	0.0102	0.1214	0.3225	0.4684
35 mph	0.0010	0.0000	0.0004	0.0010	0.0137	0.0107	0.0798	0.2161	0.3227
40 mph	0.0002	0.0000	0.0001	0.0004	0.0081	0.0062	0.0712	0.1920	0.2782
45 mph	0.0001	0.0000	0.0001	0.0003	0.0064	0.0049	0.0507	0.1365	0.1989
50 mph	0.0001	0.0000	0.0001	0.0003	0.0072	0.0055	0.0451	0.1194	0.1777
55 mph	0.0001	0.0000	0.0000	0.0002	0.0048	0.0036	0.0152	0.0404	0.0643
60 mph	0.0002	0.0000	0.0001	0.0003	0.0058	0.0043	0.6264	1.6553	2.2924
65 mph	0.0000	0.0000	0.0000	0.0001	0.0011	0.0008	-	-	0.0020
70 mph	0.0004	0.0000	0.0002	0.0013	0.0267	0.0196	-	-	0.0482
total	0.0037	0.0000	0.0015	0.0060	0.1192	0.0920	1.2864	3.4230	4.9317

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
15 mph									-	-
25 mph									-	-
35 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0075	0.0044	0.0183	0.0216	0.0518
10 mph	0.0245	0.0022	0.0111	0.0126	0.0190	0.0094	0.0445	0.1015	0.2246
15 mph	0.0394	0.0035	0.0178	0.0101	0.0148	0.0070	0.0314	0.0666	0.1907
20 mph	0.0136	0.0012	0.0061	0.0071	0.0101	0.0048	0.0560	0.1167	0.2156
25 mph	0.0547	0.0048	0.0248	0.0272	0.0483	0.0234	0.2134	0.4352	0.8318
30 mph	0.0551	0.0049	0.0250	0.0283	0.0404	0.0196	0.1590	0.3228	0.6550
35 mph	0.1238	0.0109	0.0561	0.0385	0.0404	0.0199	0.1054	0.2163	0.6113
40 mph	0.0212	0.0019	0.0096	0.0146	0.0237	0.0116	0.0954	0.1922	0.3703
45 mph	0.0175	0.0015	0.0079	0.0119	0.0191	0.0093	0.0690	0.1366	0.2729
50 mph	0.0189	0.0017	0.0085	0.0132	0.0214	0.0103	0.0620	0.1196	0.2556
55 mph	0.0137	0.0012	0.0062	0.0089	0.0143	0.0068	0.0209	0.0404	0.1124
60 mph	0.0214	0.0019	0.0097	0.0118	0.0176	0.0084	0.8574	1.6573	2.5855
65 mph	0.0034	0.0003	0.0015	0.0021	0.0033	0.0016	-	-	0.0122
70 mph	0.0458	0.0041	0.0208	0.0467	0.0807	0.0381	-	-	0.2362
STREX	0.0019	0.0002	0.0009	0.0028	0.0002	0.0001	0.0002	0.0000	0.0064
total	0.4549	0.0401	0.2060	0.2359	0.3609	0.1748	1.7328	3.4269	**6.6323**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0005	0.0006	0.0006	0.0007	0.0002	0.0002	0.0003	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0019	0.0002	0.0009	0.0028	0.0002	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0019	0.0002	0.0009	0.0028	0.0002	0.0001	0.0002	0.0000

World Logistics Center
Mobile Emissions - 2028 (Net) - Mitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0386	0.0362	0.0349	0.0382
10 mph	0.0048	0.0062	0.0051	0.0051	0.0049	0.0046	0.0045	0.0049
15 mph	0.0032	0.0041	0.0034	0.0034	0.0033	0.0031	0.0030	0.0032
20 mph	0.0022	0.0029	0.0024	0.0024	0.0023	0.0021	0.0021	0.0023
25 mph	0.0016	0.0022	0.0017	0.0018	0.0017	0.0016	0.0015	0.0017
30 mph	0.0013	0.0017	0.0014	0.0014	0.0013	0.0012	0.0012	0.0013
35 mph	0.0011	0.0014	0.0011	0.0011	0.0011	0.0010	0.0010	0.0011
40 mph	0.0009	0.0012	0.0010	0.0010	0.0010	0.0009	0.0008	0.0010
45 mph	0.0008	0.0011	0.0009	0.0009	0.0009	0.0008	0.0008	0.0009
50 mph	0.0008	0.0011	0.0009	0.0009	0.0008	0.0008	0.0007	0.0009
55 mph	0.0008	0.0011	0.0009	0.0009	0.0009	0.0008	0.0008	0.0009
60 mph	0.0009	0.0012	0.0009	0.0009	0.0009	0.0008	0.0008	0.0009
65 mph	0.0010	0.0013	0.0010	0.0009	0.0011	0.0010		
70 mph	0.0011	0.0014	0.0011	0.0012	0.0011	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7943	0.8054	0.0073	0.0101
10 mph	0.0090	0.2204	0.0093	0.0066	0.0252	0.0327	0.0041	0.0110
15 mph	0.0073	0.1602	0.0080	0.0054	0.0192	0.0261	0.0033	0.0085
20 mph	0.0059	0.1227	0.0067	0.0045	0.0159	0.0217	0.0028	0.0061
25 mph	0.0048	0.0982	0.0057	0.0038	0.0132	0.0182	0.0027	0.0064
30 mph	0.0041	0.0824	0.0050	0.0033	0.0116	0.0159	0.0029	0.0069
35 mph	0.0035	0.0725	0.0045	0.0030	0.0106	0.0144	0.0035	0.0084
40 mph	0.0032	0.0664	0.0042	0.0027	0.0098	0.0133	0.0045	0.0108
45 mph	0.0031	0.0634	0.0039	0.0026	0.0093	0.0125	0.0058	0.0141
50 mph	0.0029	0.0635	0.0036	0.0024	0.0090	0.0120	0.0076	0.0181
55 mph	0.0029	0.0665	0.0035	0.0024	0.0088	0.0116	0.0097	0.0237
60 mph	0.0030	0.0725	0.0034	0.0024	0.0089	0.0117	0.0121	0.0292
65 mph	0.0031	0.0834	0.0035	0.0025	0.0099	0.0126		
70 mph	0.0032	0.0987	0.0036	0.0027	0.0152	0.0162		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0401
10 mph								0.0069
15 mph								0.0057
20 mph								0.0049
25 mph								0.0044
30 mph								0.0041
35 mph								0.0038
40 mph								0.0037
45 mph								0.0037
50 mph								0.0037
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0243	0.0024	0.0096	0.0082	0.0035	0.0010	0.0016	0.0000	0.0506
15 mph	0.0065	0.0006	0.0026	0.0022	0.0009	0.0003	0.0004	0.0000	0.0134
20 mph	0.0090	0.0009	0.0036	0.0031	0.0013	0.0004	0.0005	0.0000	0.0188
25 mph	0.0334	0.0033	0.0133	0.0113	0.0049	0.0014	0.0020	0.0000	0.0697
30 mph	0.0287	0.0029	0.0114	0.0097	0.0042	0.0012	0.0014	0.0000	0.0595
35 mph	0.0193	0.0019	0.0077	0.0065	0.0028	0.0008	0.0005	0.0000	0.0396
40 mph	0.0056	0.0006	0.0022	0.0019	0.0008	0.0002	0.0005	0.0000	0.0118
45 mph	0.0043	0.0004	0.0017	0.0014	0.0006	0.0002	0.0004	0.0000	0.0090
50 mph	0.0041	0.0004	0.0016	0.0014	0.0006	0.0002	0.0006	0.0000	0.0089
55 mph	0.0033	0.0003	0.0013	0.0011	0.0005	0.0001	0.0001	0.0000	0.0069
60 mph	0.0072	0.0007	0.0028	0.0024	0.0011	0.0003	0.0001	0.0000	0.0147
65 mph	0.0010	0.0001	0.0004	0.0003	0.0002	0.0000	-	-	0.0020
70 mph	-	-	-	-	-	-	-	-	-
total	0.1467	0.0146	0.0582	0.0496	0.0215	0.0060	0.0082	0.0001	0.3049

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0020	0.0002	0.0008	0.0014	0.0008	0.0002	-	-	0.0054
15 mph	0.0013	0.0001	0.0005	0.0009	0.0005	0.0001	-	-	0.0036
20 mph	0.0009	0.0001	0.0004	0.0007	0.0004	0.0001	0.0009	0.0000	0.0034
25 mph	0.0014	0.0001	0.0006	0.0010	0.0005	0.0001	0.0012	0.0000	0.0049
30 mph	0.0022	0.0002	0.0009	0.0015	0.0008	0.0002	0.0015	0.0000	0.0074
35 mph	0.0040	0.0004	0.0016	0.0028	0.0015	0.0004	0.0013	0.0000	0.0120
40 mph	0.0038	0.0004	0.0015	0.0027	0.0015	0.0004	0.0010	0.0000	0.0114
45 mph	0.0028	0.0003	0.0011	0.0020	0.0011	0.0003	0.0007	0.0000	0.0082
50 mph	0.0031	0.0003	0.0012	0.0022	0.0012	0.0003	0.0003	0.0000	0.0085
55 mph	0.0017	0.0002	0.0007	0.0012	0.0007	0.0002	0.0002	0.0000	0.0048
60 mph	0.0011	0.0001	0.0004	0.0008	0.0004	0.0001	0.0125	0.0001	0.0156
65 mph	0.0004	0.0000	0.0002	0.0003	0.0002	0.0000	-	-	0.0011
70 mph	0.0212	0.0021	0.0082	0.0146	0.0080	0.0022	-	-	0.0562
total	0.0460	0.0046	0.0180	0.0320	0.0175	0.0048	0.0196	0.0002	0.1426

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0035	0.0010	0.0014	0.0000	0.0059
15 mph	0.0267	0.0026	0.0106	0.0032	0.0015	0.0004	0.0006	0.0000	0.0456
25 mph	-	-	-	-	0.0015	0.0004	0.0013	0.0000	0.0032
35 mph	0.0381	0.0038	0.0151	0.0042	-	-	-	-	0.0612
total	0.0648	0.0065	0.0257	0.0073	0.0064	0.0018	0.0034	0.0000	0.1159

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0035	0.0010	0.0014	0.0000	0.0059
10 mph	0.0263	0.0026	0.0104	0.0096	0.0043	0.0012	0.0016	0.0000	0.0560
15 mph	0.0344	0.0034	0.0137	0.0063	0.0029	0.0008	0.0009	0.0000	0.0626
20 mph	0.0100	0.0010	0.0040	0.0037	0.0017	0.0005	0.0014	0.0000	0.0223
25 mph	0.0348	0.0035	0.0139	0.0123	0.0069	0.0019	0.0045	0.0000	0.0779
30 mph	0.0308	0.0031	0.0123	0.0112	0.0050	0.0014	0.0030	0.0000	0.0668
35 mph	0.0614	0.0061	0.0243	0.0135	0.0044	0.0012	0.0018	0.0000	0.1128
40 mph	0.0094	0.0009	0.0037	0.0046	0.0023	0.0006	0.0015	0.0000	0.0232
45 mph	0.0071	0.0007	0.0028	0.0034	0.0017	0.0005	0.0010	0.0000	0.0172
50 mph	0.0072	0.0007	0.0028	0.0035	0.0018	0.0005	0.0009	0.0000	0.0174
55 mph	0.0051	0.0005	0.0020	0.0023	0.0012	0.0003	0.0003	0.0000	0.0117
60 mph	0.0083	0.0008	0.0033	0.0032	0.0015	0.0004	0.0127	0.0001	0.0303
65 mph	0.0014	0.0001	0.0006	0.0006	0.0003	0.0001	-	-	0.0031
70 mph	0.0212	0.0021	0.0082	0.0146	0.0080	0.0022	-	-	0.0562
total	0.2574	0.0256	0.1020	0.0890	0.0454	0.0125	0.0312	0.0003	0.5634

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0005	0.0000	0.0002	0.0003	0.0161	0.0143	0.0083	0.0409	0.0806
15 mph	0.0002	0.0000	0.0001	0.0001	0.0049	0.0046	0.0022	0.0105	0.0225
20 mph	0.0003	0.0000	0.0001	0.0002	0.0081	0.0076	0.0037	0.0150	0.0350
25 mph	0.0010	0.0000	0.0004	0.0007	0.0338	0.0319	0.0196	0.0868	0.1742
30 mph	0.0010	0.0000	0.0004	0.0007	0.0326	0.0307	0.0195	0.0860	0.1709
35 mph	0.0007	0.0000	0.0003	0.0005	0.0244	0.0227	0.0106	0.0469	0.1061
40 mph	0.0002	0.0000	0.0001	0.0002	0.0075	0.0070	0.0150	0.0670	0.0970
45 mph	0.0002	0.0000	0.0001	0.0001	0.0059	0.0055	0.0156	0.0699	0.0973
50 mph	0.0002	0.0000	0.0001	0.0001	0.0057	0.0052	0.0329	0.1458	0.1901
55 mph	0.0001	0.0000	0.0000	0.0001	0.0045	0.0041	0.0097	0.0441	0.0626
60 mph	0.0003	0.0000	0.0001	0.0002	0.0091	0.0082	0.0122	0.0544	0.0844
65 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0011	-	-	0.0024
70 mph	-	-	-	-	-	-	-	-	-
total	0.0046	0.0002	0.0016	0.0031	0.1541	0.1428	0.1494	0.6674	1.1232

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0001	0.0034	0.0031	-	-	0.0066
15 mph	0.0000	0.0000	0.0000	0.0000	0.0026	0.0025	-	-	0.0052
20 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0020	0.0067	0.0271	0.0381
25 mph	0.0000	0.0000	0.0000	0.0001	0.0036	0.0034	0.0112	0.0498	0.0682
30 mph	0.0001	0.0000	0.0000	0.0001	0.0064	0.0060	0.0210	0.0931	0.1267
35 mph	0.0001	0.0000	0.0001	0.0002	0.0131	0.0122	0.0255	0.1127	0.1638
40 mph	0.0001	0.0000	0.0001	0.0002	0.0135	0.0125	0.0298	0.1328	0.1890
45 mph	0.0001	0.0000	0.0000	0.0002	0.0102	0.0094	0.0282	0.1261	0.1741
50 mph	0.0001	0.0000	0.0000	0.0002	0.0111	0.0101	0.0183	0.0809	0.1207
55 mph	0.0001	0.0000	0.0000	0.0001	0.0060	0.0054	0.0117	0.0530	0.0763
60 mph	0.0000	0.0000	0.0000	0.0001	0.0037	0.0033	1.0231	4.5774	5.6075
65 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0012	-	-	0.0026
70 mph	0.0007	0.0000	0.0002	0.0010	0.0955	0.0701	-	-	0.1675
total	0.0015	0.0001	0.0005	0.0023	0.1726	0.1411	1.1755	5.2528	6.7463

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0636	0.0443	0.0017	0.0043	0.1138
15 mph	0.0007	0.0000	0.0002	0.0001	0.0077	0.0072	0.0037	0.0175	0.0372
25 mph	-	-	-	-	0.0101	0.0095	0.0130	0.0575	0.0902
35 mph	0.0014	0.0000	0.0005	0.0003	-	-	-	-	0.0023
total	0.0020	0.0001	0.0007	0.0005	0.0815	0.0610	0.0183	0.0794	0.2435

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0636	0.0443	0.0017	0.0043	0.1138
10 mph	0.0005	0.0000	0.0002	0.0004	0.0195	0.0174	0.0083	0.0409	0.0872
15 mph	0.0009	0.0000	0.0003	0.0003	0.0153	0.0142	0.0059	0.0281	0.0649
20 mph	0.0003	0.0000	0.0001	0.0002	0.0103	0.0096	0.0105	0.0421	0.0731
25 mph	0.0011	0.0000	0.0004	0.0008	0.0476	0.0448	0.0439	0.1941	0.3326
30 mph	0.0011	0.0000	0.0004	0.0008	0.0390	0.0367	0.0405	0.1791	0.2976
35 mph	0.0022	0.0001	0.0009	0.0010	0.0374	0.0349	0.0361	0.1596	0.2722
40 mph	0.0004	0.0000	0.0001	0.0004	0.0210	0.0195	0.0449	0.1997	0.2860
45 mph	0.0003	0.0000	0.0001	0.0003	0.0161	0.0148	0.0438	0.1960	0.2715
50 mph	0.0003	0.0000	0.0001	0.0003	0.0168	0.0153	0.0512	0.2267	0.3107
55 mph	0.0002	0.0000	0.0001	0.0002	0.0105	0.0095	0.0213	0.0972	0.1389
60 mph	0.0003	0.0000	0.0001	0.0002	0.0128	0.0115	1.0352	4.6318	5.6919
65 mph	0.0000	0.0000	0.0000	0.0000	0.0026	0.0023	-	-	0.0050
70 mph	0.0007	0.0000	0.0002	0.0010	0.0955	0.0701	-	-	0.1675
total	0.0082	0.0003	0.0029	0.0058	0.4081	0.3450	1.3432	5.9995	8.1130

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0015	0.0015
15 mph								0.0004	0.0004
20 mph								0.0007	0.0007
25 mph								0.0036	0.0036
30 mph								0.0030	0.0030
35 mph								0.0013	0.0013
40 mph								0.0014	0.0014
45 mph								0.0011	0.0011
50 mph								0.0018	0.0018
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0149	0.0149

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0013	0.0013
25 mph								0.0021	0.0021
30 mph								0.0033	0.0033
35 mph								0.0031	0.0031
40 mph								0.0028	0.0028
45 mph								0.0020	0.0020
50 mph								0.0010	0.0010
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0098	0.0098

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0007	0.0007
25 mph								0.0024	0.0024
35 mph								-	-
total	-	-	-	-	-	-	-	0.0041	0.0041

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0015	0.0015
15 mph								0.0011	0.0011
20 mph								0.0020	0.0020
25 mph								0.0081	0.0081
30 mph								0.0063	0.0063
35 mph								0.0044	0.0044
40 mph								0.0042	0.0042
45 mph								0.0031	0.0031
50 mph								0.0028	0.0028
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0346	0.0346

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0671	0.0452	0.0031	0.0053	0.1208
10 mph	0.0268	0.0026	0.0106	0.0100	0.0238	0.0186	0.0099	0.0425	0.1448
15 mph	0.0353	0.0034	0.0140	0.0066	0.0182	0.0150	0.0068	0.0292	0.1286
20 mph	0.0103	0.0010	0.0041	0.0039	0.0120	0.0101	0.0119	0.0442	0.0974
25 mph	0.0359	0.0035	0.0142	0.0131	0.0545	0.0467	0.0484	0.2022	0.4185
30 mph	0.0319	0.0031	0.0126	0.0120	0.0440	0.0381	0.0435	0.1854	0.3707
35 mph	0.0636	0.0062	0.0252	0.0145	0.0418	0.0361	0.0379	0.1640	0.3894
40 mph	0.0098	0.0010	0.0039	0.0050	0.0233	0.0201	0.0464	0.2039	0.3133
45 mph	0.0073	0.0007	0.0029	0.0037	0.0178	0.0153	0.0449	0.1991	0.2918
50 mph	0.0074	0.0007	0.0029	0.0038	0.0186	0.0158	0.0521	0.2295	0.3310
55 mph	0.0053	0.0005	0.0021	0.0025	0.0117	0.0098	0.0217	0.0972	0.1507
60 mph	0.0086	0.0008	0.0034	0.0034	0.0143	0.0119	1.0479	4.6319	5.7222
65 mph	0.0015	0.0001	0.0006	0.0006	0.0029	0.0024	-	-	0.0081
70 mph	0.0218	0.0021	0.0084	0.0156	0.1035	0.0723	-	-	0.2237
STREX	0.0062	0.0006	0.0024	0.0061	0.0005	0.0001	0.0002	0.0000	0.0161
total	0.2718	0.0265	0.1073	0.1010	0.4540	0.3576	1.3746	6.0344	**8.7271**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0015	0.0019	0.0015	0.0016	0.0004	0.0003	0.0004	0.0006
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0062	0.0006	0.0024	0.0061	0.0005	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0062	0.0006	0.0024	0.0061	0.0005	0.0001	0.0002	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	4.5449	0.3453	1.7050	1.4271	1.2155	0.4181	0.8573	0.0036
Diesel	0.0489	0.0001	0.0147	0.0416	1.1291	0.8860	4.7646	5.9706
Electric/NG	0.1828	0.0071	0.0441	0.0374	-	-	-	0.3663
Total	4.7767	0.3524	1.7637	1.5061	2.3446	1.3041	5.6219	6.3405

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.8795	0.1428	0.7051	1.2325	1.3032	0.4482	3.0909	0.0129
Diesel	0.0202	0.0000	0.0061	0.0359	1.2106	0.9499	17.1788	21.5271
Electric/NG	0.0756	0.0029	0.0182	0.0323	-	-	-	1.3207
Total	1.9753	0.1457	0.7294	1.3007	2.5138	1.3982	20.2697	22.8607

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.9911	0.1513	0.7469	0.2056	0.1110	0.0382	0.1536	0.0006
Diesel	0.0214	0.0000	0.0064	0.0060	0.1031	0.0809	0.8537	1.0698
Electric/NG	0.0801	0.0031	0.0193	0.0054	-	-	-	0.0656
Total	2.0926	0.1544	0.7727	0.2169	0.2142	0.1191	1.0073	1.1361

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	8.4155	0.6394	3.1570	2.8652	2.6297	0.9045	4.1017	0.0171	22.7300
Diesel	0.0906	0.0001	0.0272	0.0834	2.4428	1.9169	22.7972	28.5676	55.9258
Electric/NG	0.3385	0.0131	0.0816	0.0751	-	-	-	1.7526	2.2610
Total	8.8446	0.6526	3.2658	3.0238	5.0725	2.8213	26.8989	30.3373	**80.9168**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	62.9349
Internal	66.0062
Total	**128.9410**

World Logistics Center
Mobile Emissions - 2028 (Net) - Mitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0355	0.0333	0.0321	0.0351
10 mph	0.0044	0.0057	0.0047	0.0047	0.0045	0.0042	0.0041	0.0045
15 mph	0.0029	0.0038	0.0031	0.0032	0.0030	0.0028	0.0027	0.0030
20 mph	0.0020	0.0027	0.0022	0.0022	0.0021	0.0020	0.0019	0.0021
25 mph	0.0015	0.0020	0.0016	0.0016	0.0016	0.0015	0.0014	0.0016
30 mph	0.0012	0.0016	0.0013	0.0013	0.0012	0.0011	0.0011	0.0012
35 mph	0.0010	0.0013	0.0010	0.0010	0.0010	0.0009	0.0009	0.0010
40 mph	0.0008	0.0011	0.0009	0.0009	0.0009	0.0008	0.0008	0.0009
45 mph	0.0008	0.0010	0.0008	0.0008	0.0008	0.0007	0.0007	0.0008
50 mph	0.0007	0.0010	0.0008	0.0008	0.0008	0.0007	0.0007	0.0008
55 mph	0.0008	0.0010	0.0008	0.0008	0.0008	0.0007	0.0007	0.0008
60 mph	0.0008	0.0011	0.0009	0.0009	0.0009	0.0008	0.0008	0.0009
65 mph	0.0009	0.0012	0.0010	0.0010	0.0010	0.0009		
70 mph	0.0010	0.0013	0.0010	0.0011	0.0010	0.0009		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7600	0.7706	0.0070	0.0096
10 mph	0.0086	0.2109	0.0089	0.0063	0.0241	0.0313	0.0040	0.0105
15 mph	0.0070	0.1533	0.0076	0.0052	0.0184	0.0250	0.0031	0.0081
20 mph	0.0056	0.1174	0.0064	0.0043	0.0152	0.0208	0.0027	0.0058
25 mph	0.0046	0.0940	0.0055	0.0036	0.0127	0.0174	0.0025	0.0061
30 mph	0.0039	0.0789	0.0048	0.0032	0.0111	0.0153	0.0028	0.0066
35 mph	0.0034	0.0694	0.0043	0.0029	0.0101	0.0138	0.0034	0.0080
40 mph	0.0031	0.0636	0.0040	0.0026	0.0094	0.0127	0.0043	0.0103
45 mph	0.0029	0.0606	0.0037	0.0025	0.0089	0.0119	0.0056	0.0135
50 mph	0.0028	0.0607	0.0035	0.0023	0.0086	0.0114	0.0072	0.0173
55 mph	0.0028	0.0636	0.0033	0.0023	0.0084	0.0111	0.0092	0.0227
60 mph	0.0029	0.0694	0.0033	0.0023	0.0086	0.0112	0.0116	0.0280
65 mph	0.0030	0.0798	0.0033	0.0024	0.0095	0.0120		
70 mph	0.0031	0.0945	0.0034	0.0026	0.0145	0.0155		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0383
10 mph								0.0066
15 mph								0.0054
20 mph								0.0046
25 mph								0.0042
30 mph								0.0039
35 mph								0.0037
40 mph								0.0036
45 mph								0.0035
50 mph								0.0036
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0223	0.0022	0.0089	0.0075	0.0032	0.0009	0.0015	0.0000	0.0466
15 mph	0.0059	0.0006	0.0024	0.0020	0.0009	0.0002	0.0003	0.0000	0.0123
20 mph	0.0083	0.0008	0.0033	0.0028	0.0012	0.0003	0.0005	0.0000	0.0173
25 mph	0.0307	0.0031	0.0122	0.0104	0.0045	0.0013	0.0019	0.0000	0.0641
30 mph	0.0264	0.0026	0.0105	0.0089	0.0039	0.0011	0.0013	0.0000	0.0547
35 mph	0.0177	0.0018	0.0070	0.0060	0.0026	0.0007	0.0005	0.0000	0.0364
40 mph	0.0051	0.0005	0.0020	0.0017	0.0008	0.0002	0.0005	0.0000	0.0108
45 mph	0.0039	0.0004	0.0016	0.0013	0.0006	0.0002	0.0003	0.0000	0.0083
50 mph	0.0038	0.0004	0.0015	0.0013	0.0006	0.0002	0.0005	0.0000	0.0082
55 mph	0.0031	0.0003	0.0012	0.0010	0.0005	0.0001	0.0001	0.0000	0.0063
60 mph	0.0066	0.0007	0.0026	0.0022	0.0010	0.0003	0.0001	0.0000	0.0135
65 mph	0.0009	0.0001	0.0004	0.0003	0.0001	0.0000	-	-	0.0019
70 mph	-	-	-	-	-	-	-	-	-
total	0.1349	0.0134	0.0535	0.0457	0.0198	0.0055	0.0076	0.0001	0.2804

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0018	0.0002	0.0007	0.0013	0.0007	0.0002	-	-	0.0050
15 mph	0.0012	0.0001	0.0005	0.0009	0.0005	0.0001	-	-	0.0033
20 mph	0.0009	0.0001	0.0003	0.0006	0.0003	0.0001	0.0008	0.0000	0.0032
25 mph	0.0013	0.0001	0.0005	0.0009	0.0005	0.0001	0.0011	0.0000	0.0045
30 mph	0.0020	0.0002	0.0008	0.0014	0.0008	0.0002	0.0014	0.0000	0.0068
35 mph	0.0037	0.0004	0.0015	0.0026	0.0014	0.0004	0.0012	0.0000	0.0110
40 mph	0.0035	0.0004	0.0014	0.0025	0.0013	0.0004	0.0009	0.0000	0.0104
45 mph	0.0026	0.0003	0.0010	0.0018	0.0010	0.0003	0.0006	0.0000	0.0076
50 mph	0.0028	0.0003	0.0011	0.0020	0.0011	0.0003	0.0003	0.0000	0.0079
55 mph	0.0016	0.0002	0.0006	0.0011	0.0006	0.0002	0.0002	0.0000	0.0044
60 mph	0.0010	0.0001	0.0004	0.0007	0.0004	0.0001	0.0115	0.0001	0.0144
65 mph	0.0004	0.0000	0.0002	0.0003	0.0001	0.0000	-	-	0.0010
70 mph	0.0195	0.0019	0.0076	0.0134	0.0074	0.0020	-	-	0.0517
total	0.0423	0.0042	0.0166	0.0295	0.0161	0.0044	0.0180	0.0001	0.1311

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0032	0.0009	0.0013	0.0000	0.0054
15 mph	0.0245	0.0024	0.0097	0.0029	0.0014	0.0004	0.0005	0.0000	0.0419
25 mph	-	-	-	-	0.0013	0.0004	0.0012	0.0000	0.0030
35 mph	0.0350	0.0035	0.0139	0.0038	-	-	-	-	0.0563
total	0.0596	0.0059	0.0236	0.0068	0.0059	0.0017	0.0031	0.0000	0.1066

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0032	0.0009	0.0013	0.0000	0.0054
10 mph	0.0242	0.0024	0.0096	0.0088	0.0039	0.0011	0.0015	0.0000	0.0515
15 mph	0.0317	0.0031	0.0126	0.0058	0.0027	0.0008	0.0009	0.0000	0.0575
20 mph	0.0092	0.0009	0.0037	0.0034	0.0015	0.0004	0.0013	0.0000	0.0205
25 mph	0.0320	0.0032	0.0127	0.0113	0.0063	0.0018	0.0042	0.0000	0.0716
30 mph	0.0284	0.0028	0.0113	0.0103	0.0046	0.0013	0.0027	0.0000	0.0615
35 mph	0.0565	0.0057	0.0224	0.0124	0.0040	0.0011	0.0017	0.0000	0.1037
40 mph	0.0087	0.0009	0.0034	0.0042	0.0021	0.0006	0.0014	0.0000	0.0213
45 mph	0.0065	0.0007	0.0026	0.0032	0.0016	0.0004	0.0010	0.0000	0.0158
50 mph	0.0066	0.0007	0.0026	0.0033	0.0016	0.0004	0.0008	0.0000	0.0160
55 mph	0.0047	0.0005	0.0018	0.0022	0.0011	0.0003	0.0003	0.0000	0.0108
60 mph	0.0076	0.0008	0.0030	0.0029	0.0014	0.0004	0.0116	0.0001	0.0278
65 mph	0.0013	0.0001	0.0005	0.0006	0.0003	0.0001	-	-	0.0029
70 mph	0.0195	0.0019	0.0076	0.0134	0.0074	0.0020	-	-	0.0517
total	0.2367	0.0235	0.0938	0.0819	0.0417	0.0115	0.0287	0.0002	0.5181

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0005	0.0000	0.0001	0.0003	0.0154	0.0137	0.0080	0.0391	0.0771
15 mph	0.0002	0.0000	0.0000	0.0001	0.0047	0.0044	0.0021	0.0101	0.0215
20 mph	0.0002	0.0000	0.0001	0.0002	0.0078	0.0073	0.0036	0.0144	0.0335
25 mph	0.0010	0.0000	0.0004	0.0007	0.0324	0.0305	0.0188	0.0830	0.1667
30 mph	0.0009	0.0000	0.0003	0.0006	0.0312	0.0294	0.0186	0.0823	0.1635
35 mph	0.0007	0.0000	0.0003	0.0005	0.0233	0.0218	0.0101	0.0449	0.1015
40 mph	0.0002	0.0000	0.0001	0.0001	0.0072	0.0067	0.0144	0.0641	0.0928
45 mph	0.0002	0.0000	0.0001	0.0001	0.0057	0.0052	0.0150	0.0669	0.0931
50 mph	0.0002	0.0000	0.0001	0.0001	0.0055	0.0050	0.0315	0.1395	0.1818
55 mph	0.0001	0.0000	0.0000	0.0001	0.0043	0.0039	0.0093	0.0422	0.0599
60 mph	0.0003	0.0000	0.0001	0.0002	0.0087	0.0078	0.0116	0.0521	0.0808
65 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0011	-	-	0.0023
70 mph	-	-	-	-	-	-	-	-	-
total	0.0044	0.0001	0.0016	0.0030	0.1474	0.1367	0.1429	0.6385	1.0746

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0001	0.0033	0.0029	-	-	0.0063
15 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0023	-	-	0.0049
20 mph	0.0000	0.0000	0.0000	0.0000	0.0021	0.0019	0.0064	0.0259	0.0365
25 mph	0.0000	0.0000	0.0000	0.0001	0.0035	0.0033	0.0108	0.0476	0.0652
30 mph	0.0001	0.0000	0.0000	0.0001	0.0061	0.0057	0.0201	0.0890	0.1212
35 mph	0.0001	0.0000	0.0001	0.0002	0.0125	0.0117	0.0244	0.1078	0.1568
40 mph	0.0001	0.0000	0.0001	0.0002	0.0129	0.0120	0.0285	0.1270	0.1808
45 mph	0.0001	0.0000	0.0000	0.0002	0.0097	0.0090	0.0270	0.1206	0.1666
50 mph	0.0001	0.0000	0.0000	0.0002	0.0106	0.0097	0.0175	0.0774	0.1155
55 mph	0.0001	0.0000	0.0000	0.0001	0.0058	0.0052	0.0111	0.0507	0.0730
60 mph	0.0000	0.0000	0.0000	0.0001	0.0035	0.0031	0.9788	4.3793	5.3649
65 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0011	-	-	0.0025
70 mph	0.0006	0.0000	0.0002	0.0010	0.0913	0.0671	-	-	0.1602
total	0.0015	0.0001	0.0005	0.0022	0.1651	0.1350	1.1247	5.0255	6.4545

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0609	0.0423	0.0016	0.0041	0.1089
15 mph	0.0006	0.0000	0.0002	0.0001	0.0074	0.0069	0.0035	0.0168	0.0356
25 mph	-	-	-	-	0.0097	0.0091	0.0124	0.0550	0.0863
35 mph	0.0013	0.0000	0.0005	0.0003	-	-	-	-	0.0022
total	0.0020	0.0001	0.0007	0.0004	0.0780	0.0584	0.0175	0.0759	0.2329

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0609	0.0423	0.0016	0.0041	0.1089
10 mph	0.0005	0.0000	0.0002	0.0003	0.0187	0.0166	0.0080	0.0391	0.0834
15 mph	0.0008	0.0000	0.0003	0.0003	0.0146	0.0136	0.0056	0.0269	0.0621
20 mph	0.0003	0.0000	0.0001	0.0002	0.0099	0.0092	0.0100	0.0403	0.0700
25 mph	0.0010	0.0000	0.0004	0.0007	0.0455	0.0429	0.0420	0.1857	0.3182
30 mph	0.0010	0.0000	0.0004	0.0007	0.0373	0.0351	0.0387	0.1713	0.2847
35 mph	0.0021	0.0001	0.0008	0.0010	0.0358	0.0334	0.0345	0.1527	0.2604
40 mph	0.0003	0.0000	0.0001	0.0004	0.0201	0.0186	0.0429	0.1911	0.2736
45 mph	0.0003	0.0000	0.0001	0.0003	0.0154	0.0142	0.0419	0.1876	0.2597
50 mph	0.0003	0.0000	0.0001	0.0003	0.0161	0.0147	0.0490	0.2169	0.2973
55 mph	0.0002	0.0000	0.0001	0.0002	0.0100	0.0091	0.0204	0.0929	0.1329
60 mph	0.0003	0.0000	0.0001	0.0002	0.0122	0.0110	0.9905	4.4314	5.4457
65 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0022	-	-	0.0048
70 mph	0.0006	0.0000	0.0002	0.0010	0.0913	0.0671	-	-	0.1602
total	0.0078	0.0003	0.0028	0.0056	0.3904	0.3300	1.2851	5.7400	7.7621

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0015	0.0015
15 mph								0.0004	0.0004
20 mph								0.0007	0.0007
25 mph								0.0034	0.0034
30 mph								0.0029	0.0029
35 mph								0.0012	0.0012
40 mph								0.0013	0.0013
45 mph								0.0011	0.0011
50 mph								0.0017	0.0017
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0143	0.0143

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0013	0.0013
25 mph								0.0020	0.0020
30 mph								0.0031	0.0031
35 mph								0.0030	0.0030
40 mph								0.0026	0.0026
45 mph								0.0019	0.0019
50 mph								0.0010	0.0010
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0094	0.0094

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0007	0.0007
25 mph								0.0023	0.0023
35 mph								-	-
total	-	-	-	-	-	-	-	0.0039	0.0039

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0015	0.0015
15 mph								0.0011	0.0011
20 mph								0.0020	0.0020
25 mph								0.0077	0.0077
30 mph								0.0061	0.0061
35 mph								0.0042	0.0042
40 mph								0.0040	0.0040
45 mph								0.0030	0.0030
50 mph								0.0027	0.0027
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0331	0.0331

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0641	0.0432	0.0029	0.0051	0.1153
10 mph	0.0247	0.0024	0.0097	0.0092	0.0226	0.0177	0.0094	0.0406	0.1364
15 mph	0.0325	0.0032	0.0129	0.0061	0.0173	0.0144	0.0065	0.0280	0.1207
20 mph	0.0095	0.0009	0.0037	0.0036	0.0114	0.0097	0.0113	0.0423	0.0924
25 mph	0.0331	0.0032	0.0131	0.0121	0.0519	0.0446	0.0461	0.1934	0.3975
30 mph	0.0294	0.0029	0.0116	0.0111	0.0419	0.0364	0.0415	0.1774	0.3522
35 mph	0.0586	0.0057	0.0232	0.0134	0.0398	0.0345	0.0362	0.1569	0.3683
40 mph	0.0090	0.0009	0.0036	0.0046	0.0222	0.0192	0.0443	0.1951	0.2989
45 mph	0.0068	0.0007	0.0027	0.0034	0.0170	0.0146	0.0429	0.1905	0.2785
50 mph	0.0069	0.0007	0.0027	0.0035	0.0177	0.0151	0.0498	0.2196	0.3160
55 mph	0.0049	0.0005	0.0019	0.0023	0.0111	0.0094	0.0207	0.0929	0.1437
60 mph	0.0079	0.0008	0.0031	0.0032	0.0136	0.0113	1.0021	4.4315	5.4735
65 mph	0.0014	0.0001	0.0005	0.0006	0.0028	0.0023	-	-	0.0077
70 mph	0.0201	0.0019	0.0078	0.0144	0.0987	0.0691	-	-	0.2119
STREX	0.0057	0.0005	0.0022	0.0056	0.0004	0.0001	0.0002	0.0000	0.0148
total	0.2502	0.0244	0.0988	0.0931	0.4326	0.3417	1.3140	5.7733	**8.3280**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0014	0.0017	0.0014	0.0014	0.0003	0.0003	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0057	0.0005	0.0022	0.0056	0.0004	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0057	0.0005	0.0022	0.0056	0.0004	0.0001	0.0002	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.8027	0.1370	0.6763	0.5661	0.5003	0.1730	0.3545	0.0014
Diesel	0.0194	0.0000	0.0058	0.0165	0.4565	0.3610	1.9702	2.1661
Electric/NG	0.0725	0.0028	0.0175	0.0148	-	-	-	0.1329
Total	1.8947	0.1398	0.6996	0.5974	0.9569	0.5340	2.3247	2.3004

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.7455	0.0566	0.2797	0.4889	0.5365	0.1855	1.2781	0.0050
Diesel	0.0080	0.0000	0.0024	0.0142	0.4895	0.3870	7.1037	7.8100
Electric/NG	0.0300	0.0012	0.0072	0.0128	-	-	-	0.4792
Total	0.7835	0.0578	0.2893	0.5159	1.0260	0.5725	8.3819	8.2941

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.7898	0.0600	0.2963	0.0815	0.0457	0.0158	0.0635	0.0002
Diesel	0.0085	0.0000	0.0026	0.0024	0.0417	0.0330	0.3530	0.3881
Electric/NG	0.0318	0.0012	0.0077	0.0021	-	-	-	0.0238
Total	0.8300	0.0612	0.3065	0.0861	0.0874	0.0488	0.4165	0.4122

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	3.3380	0.2536	1.2522	1.1365	1.0825	0.3743	1.6961	0.0066	9.1398
Diesel	0.0359	0.0001	0.0108	0.0331	0.9877	0.7809	9.4270	10.3643	21.6398
Electric/NG	0.1343	0.0052	0.0324	0.0298	-	-	-	0.6359	0.8375
Total	3.5082	0.2588	1.2954	1.1994	2.0702	1.1553	11.1232	11.0067	**31.6172**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	15.4477
Internal	16.2015
Total	**31.6492**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0493	0.0333	0.0022	0.0039	0.0888
10 mph	0.0158	0.0015	0.0062	0.0059	0.0174	0.0136	0.0073	0.0313	0.0991
15 mph	0.0208	0.0020	0.0082	0.0039	0.0133	0.0111	0.0050	0.0215	0.0858
20 mph	0.0060	0.0006	0.0024	0.0023	0.0088	0.0074	0.0087	0.0326	0.0688
25 mph	0.0212	0.0021	0.0084	0.0077	0.0399	0.0344	0.0355	0.1489	0.2981
30 mph	0.0188	0.0018	0.0074	0.0071	0.0323	0.0280	0.0319	0.1366	0.2641
35 mph	0.0375	0.0037	0.0148	0.0086	0.0307	0.0266	0.0278	0.1208	0.2705
40 mph	0.0058	0.0006	0.0023	0.0029	0.0171	0.0148	0.0341	0.1502	0.2278
45 mph	0.0043	0.0004	0.0017	0.0022	0.0131	0.0113	0.0330	0.1467	0.2127
50 mph	0.0044	0.0004	0.0017	0.0023	0.0137	0.0117	0.0383	0.1691	0.2416
55 mph	0.0031	0.0003	0.0012	0.0015	0.0086	0.0072	0.0159	0.0716	0.1094
60 mph	0.0051	0.0005	0.0020	0.0020	0.0105	0.0087	0.7716	3.4123	4.2127
65 mph	0.0009	0.0001	0.0003	0.0004	0.0022	0.0017	-	-	0.0056
70 mph	0.0129	0.0012	0.0050	0.0092	0.0760	0.0532	-	-	0.1574
total	0.1565	0.0152	0.0618	0.0560	0.3328	0.2630	1.0116	4.4455	6.3424

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2028 (Net) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	2,007	2.40	0.32	0.0005	0.94	0.0019	3.82
2	L	2,821	2.40	0.32	0.0005	1.32	0.0019	5.37
3	L	2,675	2.40	0.32	0.0005	1.25	0.0019	5.10
5	L	4,325	2.40	0.32	0.0005	2.02	0.0019	8.24
6	L	8,671	2.40	0.32	0.0005	4.05	0.0019	16.52
8	L	6,463	2.40	0.32	0.0005	3.02	0.0019	12.31
11	L	(1,303)	2.40	0.32	0.0005	(0.61)	0.0019	(2.48)
12	L	(1,985)	2.40	0.32	0.0005	(0.93)	0.0019	(3.78)
14	L	(1,064)	2.40	0.32	0.0005	(0.50)	0.0019	(2.03)
18	L	1,123	2.40	0.32	0.0005	0.53	0.0019	2.14
19	L	5,353	2.40	0.32	0.0005	2.50	0.0019	10.20
21	L	2,750	2.40	0.32	0.0005	1.29	0.0019	5.24
24	L	6,186	2.40	0.32	0.0005	2.89	0.0019	11.79
30	L	(6,076)	2.40	0.32	0.0005	(2.84)	0.0019	(11.58)
29	L	2,909	2.40	0.32	0.0005	1.36	0.0019	5.54
31	L	(209)	2.40	0.32	0.0005	(0.10)	0.0019	(0.40)
TOTAL						16.20		66.01

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2028 (Net) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	151,138	2.40	0.032	0.0001	8.70	0.0002	35.42
Freeway	F	233,895	2.40	0.015	0.0000	6.75	0.0001	27.51
TOTAL		385,033				15.45		62.93

World Logistics Center
Mobile Emissions - 2028 (Net) - Mitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0053	0.0086	0.0072	0.0084	0.0112	0.0126	0.0205	0.2036
15 mph	0.0047	0.0075	0.0063	0.0073	0.0098	0.0110	0.0181	0.1799
20 mph	0.0042	0.0067	0.0056	0.0065	0.0090	0.0100	0.0164	0.1625
25 mph	0.0038	0.0060	0.0051	0.0059	0.0083	0.0091	0.0149	0.1488
30 mph	0.0036	0.0056	0.0047	0.0055	0.0078	0.0085	0.0137	0.1387
35 mph	0.0034	0.0053	0.0044	0.0052	0.0074	0.0080	0.0128	0.1314
40 mph	0.0032	0.0050	0.0042	0.0050	0.0071	0.0077	0.0122	0.1260
45 mph	0.0031	0.0049	0.0041	0.0048	0.0070	0.0075	0.0118	0.1226
50 mph	0.0031	0.0049	0.0041	0.0048	0.0070	0.0074	0.0117	0.1215
55 mph	0.0031	0.0050	0.0042	0.0049	0.0071	0.0075	0.0118	0.1231
60 mph	0.0032	0.0053	0.0043	0.0051	0.0074	0.0078	0.0122	0.1271
65 mph	0.0034	0.0056	0.0046	0.0054	0.0078	0.0082	0.0129	0.1330
70 mph	0.0036	0.0063	0.0048	0.0058	0.0086	0.0084	0.0128	0.1414

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0587	0.1268	0.0791	0.0984	0.1440	0.1611	0.2812	0.4182
15 mph	0.0483	0.1055	0.0656	0.0834	0.0937	0.1068	0.2212	0.3248
20 mph	0.0396	0.0867	0.0539	0.0693	0.0799	0.0912	0.1889	0.2760
25 mph	0.0332	0.0724	0.0452	0.0587	0.0709	0.0813	0.1649	0.2337
30 mph	0.0288	0.0623	0.0391	0.0508	0.0645	0.0734	0.1447	0.2051
35 mph	0.0260	0.0558	0.0352	0.0462	0.0646	0.0736	0.1293	0.1834
40 mph	0.0244	0.0520	0.0329	0.0432	0.0629	0.0710	0.1184	0.1683
45 mph	0.0235	0.0502	0.0317	0.0416	0.0614	0.0682	0.1122	0.1598
50 mph	0.0236	0.0502	0.0317	0.0418	0.0644	0.0708	0.1107	0.1569
55 mph	0.0247	0.0525	0.0332	0.0441	0.0672	0.0732	0.1139	0.1635
60 mph	0.0268	0.0569	0.0360	0.0478	0.0679	0.0735	0.1218	0.1733
65 mph	0.0301	0.0634	0.0404	0.0538	0.0689	0.0739	0.1342	0.1880
70 mph	0.0328	0.0661	0.0431	0.0588	0.0705	0.0756	0.1354	0.1907

*US EPA Emission Factors for Greenhouse Gas Inventories. (Idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.9086
15 mph								0.7624
20 mph								0.6655
25 mph								0.6131
30 mph								0.5796
35 mph								0.5530
40 mph								0.5313
45 mph								0.5131
50 mph								0.4975
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0271	0.0033	0.0137	0.0133	0.0080	0.0027	0.0074	0.0005	0.0761
15 mph	0.0095	0.0012	0.0048	0.0047	0.0028	0.0009	0.0022	0.0002	0.0262
20 mph	0.0171	0.0021	0.0086	0.0083	0.0052	0.0017	0.0040	0.0003	0.0472
25 mph	0.0779	0.0093	0.0390	0.0379	0.0238	0.0078	0.0197	0.0014	0.2168
30 mph	0.0796	0.0095	0.0396	0.0387	0.0245	0.0080	0.0165	0.0012	0.2176
35 mph	0.0614	0.0073	0.0305	0.0299	0.0192	0.0062	0.0069	0.0005	0.1620
40 mph	0.0196	0.0023	0.0097	0.0095	0.0062	0.0020	0.0074	0.0006	0.0572
45 mph	0.0158	0.0019	0.0078	0.0077	0.0050	0.0016	0.0057	0.0004	0.0460
50 mph	0.0156	0.0019	0.0078	0.0076	0.0050	0.0016	0.0091	0.0007	0.0493
55 mph	0.0126	0.0015	0.0063	0.0062	0.0041	0.0013	0.0021	0.0002	0.0344
60 mph	0.0263	0.0033	0.0132	0.0130	0.0085	0.0027	0.0022	0.0002	0.0693
65 mph	0.0034	0.0004	0.0017	0.0017	0.0011	0.0004	-	-	0.0088
70 mph	-	-	-	-	-	-	-	-	-
total	0.3658	0.0440	0.1829	0.1786	0.1135	0.0370	0.0832	0.0061	1.0110

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0022	0.0003	0.0011	0.0023	0.0017	0.0006	-	-	0.0083
15 mph	0.0020	0.0002	0.0010	0.0020	0.0015	0.0005	-	-	0.0072
20 mph	0.0018	0.0002	0.0009	0.0018	0.0014	0.0005	0.0071	0.0005	0.0142
25 mph	0.0032	0.0004	0.0016	0.0033	0.0025	0.0008	0.0113	0.0008	0.0240
30 mph	0.0060	0.0007	0.0030	0.0061	0.0048	0.0016	0.0178	0.0013	0.0412
35 mph	0.0127	0.0015	0.0063	0.0129	0.0103	0.0033	0.0167	0.0012	0.0649
40 mph	0.0135	0.0016	0.0067	0.0137	0.0110	0.0036	0.0146	0.0011	0.0658
45 mph	0.0104	0.0012	0.0052	0.0106	0.0086	0.0028	0.0103	0.0008	0.0499
50 mph	0.0116	0.0014	0.0058	0.0119	0.0097	0.0031	0.0051	0.0004	0.0489
55 mph	0.0065	0.0008	0.0033	0.0067	0.0055	0.0017	0.0026	0.0002	0.0273
60 mph	0.0041	0.0005	0.0021	0.0042	0.0034	0.0011	0.1861	0.0140	0.2155
65 mph	0.0014	0.0002	0.0007	0.0015	0.0012	0.0004	-	-	0.0054
70 mph	0.0687	0.0092	0.0345	0.0734	0.0612	0.0178	-	-	0.2649
total	0.1441	0.0183	0.0721	0.1504	0.1229	0.0377	0.2715	0.0204	0.8374

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0012	0.0004	0.0006	0.0000	0.0021
15 mph	0.0393	0.0048	0.0198	0.0068	0.0045	0.0015	0.0036	0.0003	0.0805
25 mph	-	-	-	-	0.0071	0.0023	0.0131	0.0009	0.0235
35 mph	0.1213	0.0144	0.0603	0.0191	-	-	-	-	0.2151
total	0.1606	0.0192	0.0801	0.0258	0.0128	0.0042	0.0173	0.0012	0.3212

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0012	0.0004	0.0006	0.0000	0.0021
10 mph	0.0293	0.0036	0.0148	0.0156	0.0098	0.0033	0.0074	0.0005	0.0844
15 mph	0.0508	0.0062	0.0256	0.0134	0.0088	0.0030	0.0058	0.0004	0.1140
20 mph	0.0189	0.0023	0.0095	0.0101	0.0066	0.0022	0.0111	0.0008	0.0614
25 mph	0.0811	0.0097	0.0406	0.0412	0.0334	0.0110	0.0441	0.0032	0.2643
30 mph	0.0856	0.0102	0.0426	0.0447	0.0293	0.0096	0.0343	0.0025	0.2588
35 mph	0.1955	0.0233	0.0971	0.0618	0.0295	0.0096	0.0236	0.0018	0.4420
40 mph	0.0330	0.0039	0.0164	0.0232	0.0172	0.0055	0.0220	0.0016	0.1230
45 mph	0.0262	0.0031	0.0130	0.0183	0.0137	0.0044	0.0159	0.0012	0.0959
50 mph	0.0272	0.0033	0.0136	0.0195	0.0147	0.0047	0.0142	0.0011	0.0982
55 mph	0.0192	0.0023	0.0096	0.0129	0.0096	0.0030	0.0047	0.0004	0.0617
60 mph	0.0303	0.0038	0.0153	0.0172	0.0119	0.0038	0.1883	0.0142	0.2848
65 mph	0.0049	0.0006	0.0025	0.0032	0.0023	0.0007	-	-	0.0142
70 mph	0.0687	0.0092	0.0345	0.0734	0.0612	0.0178	-	-	0.2649
total	0.6706	0.0815	0.3351	0.3548	0.2491	0.0789	0.3719	0.0277	2.1695

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0032	0.0000	0.0013	0.0046	0.0919	0.0705	0.5648	1.5573	2.2936
15 mph	0.0011	0.0000	0.0004	0.0015	0.0239	0.0187	0.1481	0.4032	0.5970
20 mph	0.0017	0.0000	0.0007	0.0026	0.0408	0.0320	0.2530	0.6852	1.0160
25 mph	0.0073	0.0000	0.0030	0.0109	0.1810	0.1424	1.2142	3.1913	4.7501
30 mph	0.0069	0.0000	0.0028	0.0104	0.1810	0.1414	0.9690	2.5463	3.8579
35 mph	0.0051	0.0000	0.0021	0.0077	0.1484	0.1160	0.3894	1.0244	1.6932
40 mph	0.0016	0.0000	0.0006	0.0024	0.0482	0.0373	0.3964	1.0449	1.5315
45 mph	0.0013	0.0000	0.0005	0.0019	0.0392	0.0299	0.3006	0.7937	1.1671
50 mph	0.0013	0.0000	0.0005	0.0019	0.0411	0.0310	0.4819	1.2663	1.8241
55 mph	0.0011	0.0000	0.0004	0.0016	0.0343	0.0257	0.1144	0.3043	0.4819
60 mph	0.0023	0.0000	0.0009	0.0036	0.0693	0.0515	0.1223	0.3227	0.5726
65 mph	0.0003	0.0000	0.0001	0.0005	0.0088	0.0065	-	-	0.0162
70 mph	-	-	-	-	-	-	-	-	-
total	0.0333	0.0001	0.0135	0.0496	0.9081	0.7027	4.9541	13.1397	19.8012

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0003	0.0000	0.0001	0.0008	0.0197	0.0151	-	-	0.0360
15 mph	0.0002	0.0000	0.0001	0.0007	0.0128	0.0100	-	-	0.0238
20 mph	0.0002	0.0000	0.0001	0.0006	0.0109	0.0086	0.4561	1.2353	1.7117
25 mph	0.0003	0.0000	0.0001	0.0009	0.0194	0.0153	0.6965	1.8306	2.5631
30 mph	0.0005	0.0000	0.0002	0.0016	0.0353	0.0276	1.0481	2.7542	3.8675
35 mph	0.0011	0.0000	0.0004	0.0033	0.0796	0.0622	0.9361	2.4623	3.5449
40 mph	0.0011	0.0000	0.0004	0.0035	0.0861	0.0666	0.7862	2.0720	3.0160
45 mph	0.0009	0.0000	0.0003	0.0027	0.0672	0.0513	0.5418	1.4308	2.0950
50 mph	0.0010	0.0000	0.0004	0.0030	0.0794	0.0599	0.2673	0.7024	1.1133
55 mph	0.0006	0.0000	0.0002	0.0018	0.0460	0.0344	0.1375	0.3658	0.5862
60 mph	0.0004	0.0000	0.0001	0.0011	0.0279	0.0207	10.2860	27.1508	37.4870
65 mph	0.0001	0.0000	0.0001	0.0004	0.0094	0.0069	-	-	0.0170
70 mph	0.0068	0.0000	0.0027	0.0217	0.4442	0.3264	-	-	0.8018
total	0.0134	0.0000	0.0053	0.0421	0.9379	0.7049	15.1556	40.0041	56.8634

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0003	0.0011	0.0020	0.0038
15 mph	0.0044	0.0000	0.0018	0.0023	0.0377	0.0295	0.2468	0.6719	0.9943
25 mph	-	-	-	-	0.0542	0.0426	0.8050	2.1157	3.0175
35 mph	0.0101	0.0000	0.0041	0.0049	-	-	-	-	0.0192
total	0.0145	0.0000	0.0059	0.0072	0.0922	0.0723	1.0529	2.7897	4.0347

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0003	0.0011	0.0020	0.0038
10 mph	0.0035	0.0000	0.0014	0.0054	0.1116	0.0857	0.5648	1.5573	2.3296
15 mph	0.0056	0.0000	0.0023	0.0045	0.0744	0.0582	0.3949	1.0751	1.6151
20 mph	0.0019	0.0000	0.0008	0.0031	0.0518	0.0405	0.7090	1.9205	2.7277
25 mph	0.0076	0.0000	0.0031	0.0118	0.2546	0.2003	2.7157	7.1376	10.3307
30 mph	0.0075	0.0000	0.0030	0.0120	0.2163	0.1690	2.0171	5.3005	7.7254
35 mph	0.0163	0.0001	0.0066	0.0160	0.2280	0.1781	1.3255	3.4867	5.2573
40 mph	0.0027	0.0000	0.0011	0.0059	0.1343	0.1039	1.1826	3.1169	4.5474
45 mph	0.0021	0.0000	0.0009	0.0046	0.1064	0.0811	0.8424	2.2245	3.2621
50 mph	0.0023	0.0000	0.0009	0.0050	0.1205	0.0909	0.7492	1.9688	2.9374
55 mph	0.0016	0.0000	0.0007	0.0034	0.0804	0.0600	0.2519	0.6701	1.0682
60 mph	0.0027	0.0000	0.0011	0.0047	0.0972	0.0721	10.4083	27.4735	38.0596
65 mph	0.0005	0.0000	0.0002	0.0009	0.0182	0.0134	-	-	0.0332
70 mph	0.0068	0.0000	0.0027	0.0217	0.4442	0.3264	-	-	0.8018
total	0.0611	0.0002	0.0247	0.0989	1.9382	1.4800	21.1626	55.9336	80.6994

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.2043	0.2043
15 mph								0.0571	0.0571
20 mph								0.0998	0.0998
25 mph								0.5055	0.5055
30 mph								0.4344	0.4344
35 mph								0.1865	0.1865
40 mph								0.1991	0.1991
45 mph								0.1538	0.1538
50 mph								0.2424	0.2424
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.0830	2.0830

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.1798	0.1798
25 mph								0.2900	0.2900
30 mph								0.4699	0.4699
35 mph								0.4484	0.4484
40 mph								0.3949	0.3949
45 mph								0.2773	0.2773
50 mph								0.1344	0.1344
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.3881	1.3881

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
15 mph								0.0952	0.0952
25 mph								0.3351	0.3351
35 mph								-	-
total	-	-	-	-	-	-	-	0.4307	0.4307

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
10 mph								0.2043	0.2043
15 mph								0.1524	0.1524
20 mph								0.2796	0.2796
25 mph								1.1306	1.1306
30 mph								0.9043	0.9043
35 mph								0.6349	0.6349
40 mph								0.5940	0.5940
45 mph								0.4311	0.4311
50 mph								0.3768	0.3768
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	4.7084	4.7084

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0016	0.0006	0.0017	0.0024	0.0063
10 mph	0.0328	0.0036	0.0163	0.0210	0.1214	0.0889	0.5722	1.7622	2.6184
15 mph	0.0564	0.0062	0.0279	0.0179	0.0832	0.0612	0.4007	1.2279	1.8815
20 mph	0.0208	0.0023	0.0103	0.0133	0.0583	0.0427	0.7201	2.2009	3.0686
25 mph	0.0887	0.0097	0.0437	0.0530	0.2880	0.2113	2.7597	8.2714	11.7255
30 mph	0.0930	0.0102	0.0457	0.0567	0.2457	0.1786	2.0514	6.2073	8.8886
35 mph	0.2118	0.0233	0.1037	0.0778	0.2575	0.1877	1.3491	4.1233	6.3343
40 mph	0.0357	0.0039	0.0175	0.0291	0.1515	0.1095	1.2046	3.7125	5.2644
45 mph	0.0284	0.0031	0.0139	0.0229	0.1201	0.0855	0.8584	2.6568	3.7891
50 mph	0.0295	0.0033	0.0145	0.0245	0.1352	0.0955	0.7634	2.3467	3.4124
55 mph	0.0208	0.0023	0.0103	0.0164	0.0899	0.0631	0.2567	0.6705	1.1299
60 mph	0.0330	0.0038	0.0164	0.0219	0.1091	0.0759	10.5966	27.4877	38.3444
65 mph	0.0053	0.0006	0.0026	0.0041	0.0206	0.0141	-	-	0.0474
70 mph	0.0756	0.0093	0.0372	0.0951	0.5053	0.3442	-	-	1.0666
STREX	0.0890	0.0075	0.0392	0.1055	0.0476	0.0143	0.0184	0.0000	0.3215
total	0.8207	0.0891	0.3989	0.5592	2.2350	1.5731	21.5530	60.6697	**87.8988**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0215	0.0237	0.0252	0.0272	0.0363	0.0363	0.0293	0.0063
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0890	0.0075	0.0392	0.1055	0.0476	0.0143	0.0184	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0890	0.0075	0.0392	0.1055	0.0476	0.0143	0.0184	0.0000

World Logistics Center
Mobile Emissions - 2028 (Net) - Mitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					2.0593	2.0770	3.3603	2.4859
10 mph	0.0062	0.0135	0.0103	0.0125	0.0136	0.0109	0.0239	0.3156
15 mph	0.0041	0.0092	0.0069	0.0084	0.0092	0.0073	0.0160	0.2094
20 mph	0.0029	0.0066	0.0049	0.0059	0.0067	0.0052	0.0114	0.1478
25 mph	0.0022	0.0049	0.0036	0.0044	0.0050	0.0039	0.0083	0.1095
30 mph	0.0017	0.0039	0.0028	0.0034	0.0040	0.0030	0.0064	0.0858
35 mph	0.0014	0.0032	0.0023	0.0028	0.0033	0.0025	0.0052	0.0710
40 mph	0.0012	0.0028	0.0020	0.0025	0.0030	0.0022	0.0046	0.0619
45 mph	0.0011	0.0026	0.0018	0.0023	0.0028	0.0020	0.0041	0.0569
50 mph	0.0011	0.0025	0.0018	0.0022	0.0027	0.0019	0.0040	0.0552
55 mph	0.0011	0.0025	0.0018	0.0022	0.0028	0.0020	0.0041	0.0563
60 mph	0.0011	0.0026	0.0019	0.0023	0.0030	0.0021	0.0044	0.0603
65 mph	0.0012	0.0028	0.0021	0.0026	0.0034	0.0024		
70 mph	0.0013	0.0034	0.0022	0.0028	0.0036	0.0024		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0235	0.1100
10 mph	0.0045	0.0184	0.0090	0.0047	0.0254	0.0255	0.0015	0.0038
15 mph	0.0023	0.0121	0.0044	0.0023	0.0129	0.0130	0.0008	0.0021
20 mph	0.0010	0.0082	0.0017	0.0009	0.0057	0.0057	0.0006	0.0013
25 mph	0.0006	0.0064	0.0011	0.0006	0.0037	0.0037	0.0004	0.0011
30 mph	0.0005	0.0053	0.0008	0.0004	0.0029	0.0029	0.0004	0.0009
35 mph	0.0004	0.0046	0.0006	0.0004	0.0024	0.0024	0.0003	0.0007
40 mph	0.0003	0.0042	0.0005	0.0003	0.0021	0.0020	0.0003	0.0006
45 mph	0.0003	0.0039	0.0004	0.0003	0.0019	0.0018	0.0002	0.0006
50 mph	0.0003	0.0039	0.0004	0.0002	0.0017	0.0017	0.0002	0.0006
55 mph	0.0002	0.0041	0.0003	0.0002	0.0017	0.0016	0.0003	0.0006
60 mph	0.0002	0.0044	0.0003	0.0002	0.0017	0.0016	0.0003	0.0007
65 mph	0.0002	0.0051	0.0003	0.0002	0.0019	0.0018		
70 mph	0.0003	0.0059	0.0003	0.0002	0.0029	0.0026		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.9269
10 mph								11.5209
15 mph								7.8828
20 mph								5.5498
25 mph								4.0742
30 mph								3.0258
35 mph								2.2504
40 mph								1.6776
45 mph								1.2557
50 mph								0.9464
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0315	0.0052	0.0196	0.0199	0.0098	0.0023	0.0086	0.0008	0.0979
15 mph	0.0084	0.0014	0.0053	0.0053	0.0027	0.0006	0.0019	0.0002	0.0258
20 mph	0.0118	0.0020	0.0075	0.0076	0.0039	0.0009	0.0027	0.0003	0.0366
25 mph	0.0437	0.0076	0.0277	0.0280	0.0145	0.0033	0.0110	0.0011	0.1369
30 mph	0.0373	0.0066	0.0237	0.0241	0.0126	0.0029	0.0077	0.0007	0.1156
35 mph	0.0250	0.0044	0.0159	0.0162	0.0087	0.0019	0.0028	0.0003	0.0752
40 mph	0.0072	0.0013	0.0046	0.0047	0.0026	0.0006	0.0027	0.0003	0.0240
45 mph	0.0055	0.0010	0.0035	0.0036	0.0020	0.0004	0.0020	0.0002	0.0182
50 mph	0.0053	0.0010	0.0034	0.0035	0.0019	0.0004	0.0031	0.0003	0.0189
55 mph	0.0043	0.0008	0.0027	0.0028	0.0016	0.0003	0.0007	0.0001	0.0134
60 mph	0.0091	0.0016	0.0057	0.0059	0.0034	0.0007	0.0008	0.0001	0.0274
65 mph	0.0013	0.0002	0.0008	0.0008	0.0005	0.0001	-	-	0.0037
70 mph	-	-	-	-	-	-	-	-	-
total	0.1907	0.0331	0.1204	0.1223	0.0641	0.0146	0.0443	0.0043	0.5937

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0026	0.0004	0.0016	0.0034	0.0021	0.0005	-	-	0.0107
15 mph	0.0017	0.0003	0.0011	0.0023	0.0014	0.0003	-	-	0.0072
20 mph	0.0012	0.0002	0.0008	0.0016	0.0010	0.0002	0.0049	0.0005	0.0105
25 mph	0.0018	0.0003	0.0011	0.0024	0.0016	0.0004	0.0063	0.0006	0.0145
30 mph	0.0028	0.0005	0.0018	0.0038	0.0025	0.0006	0.0083	0.0008	0.0210
35 mph	0.0052	0.0009	0.0033	0.0070	0.0046	0.0010	0.0068	0.0007	0.0295
40 mph	0.0050	0.0009	0.0032	0.0068	0.0046	0.0010	0.0054	0.0005	0.0274
45 mph	0.0037	0.0007	0.0023	0.0050	0.0034	0.0007	0.0036	0.0004	0.0197
50 mph	0.0040	0.0007	0.0025	0.0054	0.0037	0.0008	0.0017	0.0002	0.0191
55 mph	0.0022	0.0004	0.0014	0.0030	0.0021	0.0005	0.0009	0.0001	0.0107
60 mph	0.0014	0.0002	0.0009	0.0019	0.0014	0.0003	0.0670	0.0066	0.0798
65 mph	0.0005	0.0001	0.0003	0.0007	0.0005	0.0001	-	-	0.0023
70 mph	0.0260	0.0049	0.0160	0.0357	0.0256	0.0050	-	-	0.1134
total	0.0582	0.0106	0.0364	0.0791	0.0546	0.0115	0.1050	0.0104	0.3657

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1860	0.0561	0.1384	0.0011	0.3815
15 mph	0.0348	0.0058	0.0218	0.0078	0.0042	0.0010	0.0032	0.0003	0.0789
25 mph	-	-	-	-	0.0043	0.0010	0.0073	0.0007	0.0133
35 mph	0.0494	0.0088	0.0314	0.0103	-	-	-	-	0.0999
total	0.0842	0.0146	0.0532	0.0181	0.1945	0.0581	0.1489	0.0021	0.5736

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1860	0.0561	0.1384	0.0011	0.3815
10 mph	0.0341	0.0057	0.0213	0.0233	0.0119	0.0029	0.0086	0.0008	0.1086
15 mph	0.0450	0.0076	0.0282	0.0154	0.0083	0.0020	0.0051	0.0005	0.1119
20 mph	0.0131	0.0022	0.0082	0.0092	0.0049	0.0011	0.0077	0.0007	0.0471
25 mph	0.0455	0.0079	0.0288	0.0305	0.0204	0.0047	0.0247	0.0024	0.1647
30 mph	0.0401	0.0071	0.0255	0.0279	0.0151	0.0034	0.0160	0.0016	0.1366
35 mph	0.0795	0.0141	0.0506	0.0335	0.0133	0.0030	0.0096	0.0010	0.2046
40 mph	0.0122	0.0022	0.0078	0.0115	0.0071	0.0016	0.0082	0.0008	0.0513
45 mph	0.0092	0.0016	0.0058	0.0086	0.0054	0.0012	0.0056	0.0006	0.0380
50 mph	0.0093	0.0017	0.0059	0.0089	0.0057	0.0012	0.0049	0.0005	0.0380
55 mph	0.0066	0.0012	0.0041	0.0058	0.0038	0.0008	0.0016	0.0002	0.0241
60 mph	0.0106	0.0018	0.0066	0.0078	0.0048	0.0010	0.0678	0.0067	0.1072
65 mph	0.0018	0.0003	0.0011	0.0015	0.0010	0.0002	-	-	0.0060
70 mph	0.0260	0.0049	0.0160	0.0357	0.0256	0.0050	-	-	0.1134
total	0.3330	0.0583	0.2099	0.2195	0.3132	0.0841	0.2982	0.0167	1.5330

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0002	0.0000	0.0001	0.0002	0.0162	0.0112	0.0030	0.0143	0.0453
15 mph	0.0000	0.0000	0.0000	0.0000	0.0033	0.0023	0.0006	0.0026	0.0089
20 mph	0.0000	0.0000	0.0000	0.0000	0.0029	0.0020	0.0008	0.0033	0.0090
25 mph	0.0001	0.0000	0.0001	0.0001	0.0094	0.0064	0.0033	0.0147	0.0342
30 mph	0.0001	0.0000	0.0001	0.0001	0.0082	0.0055	0.0024	0.0108	0.0272
35 mph	0.0001	0.0000	0.0000	0.0001	0.0056	0.0037	0.0009	0.0040	0.0144
40 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0011	0.0009	0.0038	0.0074
45 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0008	0.0006	0.0028	0.0055
50 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0007	0.0010	0.0046	0.0075
55 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	0.0003	0.0012	0.0029
60 mph	0.0000	0.0000	0.0000	0.0000	0.0017	0.0011	0.0003	0.0014	0.0045
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0007	0.0000	0.0004	0.0006	0.0523	0.0355	0.0141	0.0636	0.1673

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0035	0.0024	-	-	0.0059
15 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0012	-	-	0.0030
20 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0005	0.0014	0.0059	0.0086
25 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0019	0.0084	0.0121
30 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0011	0.0026	0.0117	0.0170
35 mph	0.0000	0.0000	0.0000	0.0000	0.0030	0.0020	0.0022	0.0096	0.0168
40 mph	0.0000	0.0000	0.0000	0.0000	0.0029	0.0019	0.0017	0.0076	0.0141
45 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0014	0.0011	0.0051	0.0097
50 mph	0.0000	0.0000	0.0000	0.0000	0.0021	0.0014	0.0006	0.0026	0.0067
55 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0007	0.0003	0.0014	0.0036
60 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0258	0.1154	0.1423
65 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	-	-	0.0004
70 mph	0.0001	0.0000	0.0000	0.0001	0.0185	0.0111	-	-	0.0298
total	0.0002	0.0000	0.0001	0.0003	0.0393	0.0251	0.0376	0.1677	0.2702

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0118	0.0081	0.0054	0.0467	0.0720
15 mph	0.0002	0.0000	0.0001	0.0001	0.0052	0.0036	0.0009	0.0044	0.0145
25 mph	-	-	-	-	0.0028	0.0019	0.0022	0.0098	0.0167
35 mph	0.0001	0.0000	0.0001	0.0000	-	-	-	-	0.0003
total	0.0004	0.0000	0.0002	0.0001	0.0198	0.0136	0.0085	0.0608	0.1034

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0118	0.0081	0.0054	0.0467	0.0720
10 mph	0.0003	0.0000	0.0002	0.0003	0.0197	0.0136	0.0030	0.0143	0.0513
15 mph	0.0003	0.0000	0.0002	0.0001	0.0103	0.0071	0.0015	0.0070	0.0264
20 mph	0.0000	0.0000	0.0000	0.0000	0.0037	0.0025	0.0021	0.0091	0.0176
25 mph	0.0001	0.0000	0.0001	0.0001	0.0133	0.0090	0.0074	0.0329	0.0630
30 mph	0.0001	0.0000	0.0001	0.0001	0.0097	0.0066	0.0051	0.0225	0.0442
35 mph	0.0002	0.0000	0.0001	0.0001	0.0085	0.0057	0.0031	0.0137	0.0315
40 mph	0.0000	0.0000	0.0000	0.0000	0.0045	0.0030	0.0026	0.0114	0.0216
45 mph	0.0000	0.0000	0.0000	0.0000	0.0032	0.0022	0.0018	0.0079	0.0152
50 mph	0.0000	0.0000	0.0000	0.0000	0.0033	0.0022	0.0016	0.0072	0.0142
55 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0013	0.0006	0.0026	0.0065
60 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0016	0.0261	0.1168	0.1469
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	-	-	0.0008
70 mph	0.0001	0.0000	0.0000	0.0001	0.0185	0.0111	-	-	0.0298
total	0.0013	0.0000	0.0007	0.0010	0.1114	0.0743	0.0602	0.2921	0.5409

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								2.5906	2.5906
15 mph								0.5908	0.5908
20 mph								0.8320	0.8320
25 mph								3.3592	3.3592
30 mph								2.2680	2.2680
35 mph								0.7590	0.7590
40 mph								0.6287	0.6287
45 mph								0.3765	0.3765
50 mph								0.4611	0.4611
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	11.8659	11.8659

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1.4998	1.4998
25 mph								1.9268	1.9268
30 mph								2.4531	2.4531
35 mph								1.8245	1.8245
40 mph								1.2468	1.2468
45 mph								0.6787	0.6787
50 mph								0.2558	0.2558
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	7.7043	7.7043

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0494	0.0494
15 mph								0.9846	0.9846
25 mph								2.2270	2.2270
35 mph								-	-
total	-	-	-	-	-	-	-	3.2610	3.2610

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0494	0.0494
10 mph								2.5906	2.5906
15 mph								1.5755	1.5755
20 mph								2.3318	2.3318
25 mph								7.5130	7.5130
30 mph								4.7211	4.7211
35 mph								2.5835	2.5835
40 mph								1.8755	1.8755
45 mph								1.0552	1.0552
50 mph								0.7169	0.7169
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	25.0124	25.0124

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1978	0.0642	0.1437	0.0971	0.5028
10 mph	0.0344	0.0057	0.0214	0.0235	0.0316	0.0164	0.0117	2.6058	2.7505
15 mph	0.0452	0.0076	0.0283	0.0155	0.0185	0.0090	0.0066	1.5830	1.7138
20 mph	0.0131	0.0022	0.0083	0.0092	0.0086	0.0037	0.0098	2.3416	2.3966
25 mph	0.0456	0.0079	0.0289	0.0306	0.0336	0.0137	0.0320	7.5483	7.7407
30 mph	0.0403	0.0071	0.0255	0.0280	0.0248	0.0100	0.0211	4.7452	4.9020
35 mph	0.0797	0.0141	0.0507	0.0337	0.0218	0.0087	0.0127	2.5981	2.8196
40 mph	0.0123	0.0022	0.0078	0.0115	0.0116	0.0046	0.0107	1.8877	1.9484
45 mph	0.0092	0.0016	0.0059	0.0086	0.0086	0.0033	0.0074	1.0637	1.1083
50 mph	0.0093	0.0017	0.0059	0.0089	0.0089	0.0034	0.0065	0.7245	0.7691
55 mph	0.0066	0.0012	0.0042	0.0059	0.0057	0.0021	0.0022	0.0028	0.0306
60 mph	0.0106	0.0018	0.0066	0.0078	0.0072	0.0026	0.0939	0.1235	0.2541
65 mph	0.0018	0.0003	0.0011	0.0015	0.0015	0.0005	-	-	0.0068
70 mph	0.0261	0.0050	0.0160	0.0358	0.0442	0.0161	-	-	0.1432
STREX	0.1456	0.0147	0.0743	0.2155	0.0235	0.0071	0.0214	0.0000	0.5021
total	0.4799	0.0730	0.2849	0.4360	0.4482	0.1655	0.3798	25.3212	**27.5884**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0352	0.0467	0.0479	0.0555	0.0179	0.0181	0.0341	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1456	0.0147	0.0743	0.2155	0.0235	0.0071	0.0214	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1456	0.0147	0.0743	0.2155	0.0235	0.0071	0.0214	0.0000

World Logistics Center
Mobile Emissions - 2028 (Net) - Mitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,317.32	5,041.58	12,804.29	21,332.27
10 mph	445.89	521.61	538.37	663.96	1,419.30	1,633.90	2,930.90	3,472.02
15 mph	364.44	426.25	439.83	541.95	1,159.35	1,333.69	2,397.86	2,849.16
20 mph	303.12	354.54	365.82	450.82	963.94	1,109.12	1,991.11	2,373.91
25 mph	259.16	303.22	312.91	385.93	823.97	947.98	1,703.86	2,031.83
30 mph	230.01	269.17	277.84	343.09	731.46	841.61	1,513.97	1,802.70
35 mph	213.31	249.69	257.78	318.85	678.46	780.78	1,404.68	1,669.11
40 mph	206.69	241.94	249.77	309.02	656.84	755.94	1,359.22	1,613.79
45 mph	207.78	243.09	250.92	310.33	659.25	758.72	1,365.13	1,615.14
50 mph	214.01	250.34	258.33	319.80	678.69	780.74	1,404.19	1,659.42
55 mph	222.34	260.06	268.44	332.50	706.52	812.71	1,459.58	1,724.57
60 mph	229.02	268.18	277.04	343.59	735.08	845.53	1,517.95	1,791.80
65 mph	234.58	275.19	284.42	353.44	757.42	870.83		
70 mph	237.52	279.28	287.11	362.13	768.81	880.60		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,505.64	5,653.06	5,792.49	5,436.47
10 mph	373.68	806.96	502.97	626.20	916.07	1,024.92	1,788.95	2,660.49
15 mph	307.41	671.36	417.19	530.43	595.90	679.71	1,407.30	2,066.44
20 mph	252.17	551.31	342.71	440.59	508.56	580.46	1,202.00	1,755.92
25 mph	211.45	460.52	287.38	373.18	451.02	517.26	1,048.97	1,486.89
30 mph	183.22	396.20	248.49	322.94	410.07	467.04	920.84	1,304.99
35 mph	165.71	355.09	224.21	293.76	410.96	468.03	822.41	1,166.67
40 mph	155.09	330.85	209.24	274.94	400.22	451.49	753.48	1,071.02
45 mph	149.81	319.33	201.75	264.52	390.56	434.20	714.06	1,016.91
50 mph	150.30	319.35	201.99	266.13	409.78	450.62	704.53	998.48
55 mph	157.24	333.98	211.14	280.81	427.75	465.90	724.91	1,039.87
60 mph	170.49	361.96	228.75	304.07	431.78	467.29	774.59	1,102.68
65 mph	191.79	403.42	256.88	342.31	438.62	469.92		
70 mph	208.94	420.58	274.43	374.03	448.76	480.82		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,497.61
10 mph								4,457.00
15 mph								3,740.03
20 mph								3,264.45
25 mph								3,007.51
30 mph								2,843.07
35 mph								2,712.93
40 mph								2,606.31
45 mph								2,516.78
50 mph								2,440.25
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	2,264.31	201.24	1,025.59	1,058.72	1,021.50	351.44	1,059.11	9.11	6,991.02
15 mph	740.28	65.78	335.15	345.66	333.76	114.75	288.83	2.49	2,226.70
20 mph	1,231.44	109.43	557.50	575.08	555.01	190.85	479.67	4.15	3,703.13
25 mph	5,264.28	467.94	2,384.34	2,461.54	2,372.12	815.61	2,257.58	19.54	16,042.96
30 mph	5,139.21	456.94	2,328.84	2,407.10	2,316.37	796.51	1,823.63	15.76	15,284.35
35 mph	3,899.51	346.79	1,767.85	1,830.32	1,757.89	604.58	761.39	6.57	10,974.92
40 mph	1,259.51	112.01	570.97	591.30	567.29	195.12	818.61	7.06	4,121.86
45 mph	1,055.13	93.79	478.01	494.83	474.47	163.19	657.73	5.65	3,422.80
50 mph	1,086.79	96.58	492.12	509.94	488.47	167.93	1,099.41	9.43	3,950.66
55 mph	903.28	80.27	409.11	424.14	406.80	139.85	263.72	2.26	2,629.42
60 mph	1,860.76	165.54	844.43	876.59	846.48	290.99	274.26	2.35	5,161.40
65 mph	238.24	21.23	108.36	112.71	109.03	37.46	-	-	627.04
70 mph	-	-	-	-	-	-	-	-	-
total	24,942.74	2,217.54	11,302.27	11,687.93	11,249.20	3,868.27	9,783.93	84.38	75,136.27

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	187.27	16.64	84.82	182.87	219.05	75.36	-	-	766.01
15 mph	153.06	13.60	69.30	149.27	178.93	61.51	-	-	625.67
20 mph	127.31	11.31	57.64	124.17	148.77	51.16	864.73	7.48	1,392.56
25 mph	217.69	19.35	98.60	212.59	254.33	87.45	1,294.96	11.21	2,196.18
30 mph	386.40	34.36	175.10	377.98	451.55	155.27	1,972.53	17.05	3,570.24
35 mph	806.28	71.70	365.53	790.38	942.38	324.11	1,830.13	15.79	5,146.30
40 mph	868.07	77.20	393.52	851.13	1,013.72	348.67	1,623.32	13.99	5,189.62
45 mph	698.12	62.05	316.27	683.77	813.95	279.95	1,185.73	10.18	4,050.04
50 mph	808.95	71.89	366.31	792.73	942.70	324.09	609.83	5.23	3,921.74
55 mph	466.91	41.49	211.47	457.89	545.20	187.42	316.94	2.72	2,230.05
60 mph	288.55	25.67	130.95	283.90	340.34	117.00	23,073.23	197.73	24,457.37
65 mph	98.52	8.78	44.81	97.34	116.89	40.17	-	-	406.52
70 mph	4,588.78	409.93	2,080.81	4,587.98	5,458.02	1,868.33	-	-	18,993.84
total	9,695.92	863.99	4,395.12	9,591.99	11,425.82	3,920.49	32,771.41	281.39	72,946.13

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	389.98	136.10	527.26	9.08	1,062.43
15 mph	3,058.00	271.73	1,384.45	502.56	525.79	180.76	481.33	4.15	6,408.78
25 mph	-	-	-	-	709.71	244.02	1,496.68	12.96	2,463.37
35 mph	7,700.96	684.87	3,491.25	1,169.04	-	-	-	-	13,046.12
total	10,758.96	956.60	4,875.70	1,671.60	1,625.48	560.89	2,505.28	26.19	22,980.69

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	389.98	136.10	527.26	9.08	1,062.43
10 mph	2,451.58	217.89	1,110.41	1,241.59	1,240.55	426.80	1,059.11	9.11	7,757.03
15 mph	3,951.34	351.11	1,788.89	997.49	1,038.48	357.03	770.16	6.64	9,261.14
20 mph	1,358.75	120.74	615.14	699.25	703.78	242.01	1,344.40	11.64	5,095.69
25 mph	5,481.97	487.29	2,482.94	2,674.14	3,336.17	1,147.08	5,049.22	43.71	20,702.51
30 mph	5,525.61	491.29	2,503.93	2,785.08	2,767.93	951.78	3,796.16	32.82	18,854.60
35 mph	12,406.76	1,103.37	5,624.63	3,789.74	2,700.27	928.69	2,591.52	22.36	29,167.33
40 mph	2,127.57	189.21	964.50	1,442.43	1,581.01	543.78	2,441.93	21.05	9,311.48
45 mph	1,753.25	155.84	794.28	1,178.60	1,288.42	443.15	1,843.47	15.83	7,472.84
50 mph	1,895.74	168.48	858.43	1,302.67	1,431.16	492.02	1,709.24	14.66	7,872.40
55 mph	1,370.20	121.76	620.58	882.03	952.00	327.27	580.66	4.98	4,859.47
60 mph	2,149.32	191.21	975.37	1,160.48	1,186.82	407.98	23,347.49	200.08	29,618.77
65 mph	336.76	30.02	153.17	210.06	225.92	77.63	-	-	1,033.56
70 mph	4,588.78	409.93	2,080.81	4,587.98	5,458.02	1,868.33	-	-	18,993.84
total	45,397.63	4,038.13	20,573.09	22,951.52	24,300.50	8,349.65	45,060.62	391.96	171,063.09

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	20.44	0.07	8.25	29.07	584.76	448.74	3,592.93	9,907.60	14,591.87
15 mph	6.72	0.02	2.74	9.85	152.15	119.04	942.14	2,565.12	3,797.79
20 mph	11.03	0.04	4.50	16.37	259.71	203.32	1,609.40	4,359.35	6,463.70
25 mph	46.25	0.16	18.85	69.31	1,151.61	905.89	7,724.74	20,302.90	30,219.71
30 mph	44.09	0.15	17.93	65.97	1,151.75	899.74	6,164.71	16,199.15	24,543.49
35 mph	32.62	0.11	13.24	49.10	944.41	737.71	2,477.61	6,516.99	10,771.80
40 mph	10.18	0.03	4.12	15.32	306.57	237.21	2,522.14	6,647.43	9,743.01
45 mph	8.19	0.03	3.31	12.28	249.31	190.11	1,912.17	5,049.28	7,424.67
50 mph	8.22	0.03	3.31	12.36	261.58	197.30	3,065.80	8,056.34	11,604.93
55 mph	6.88	0.02	2.77	10.43	218.44	163.19	727.96	1,936.23	3,065.93
60 mph	14.92	0.05	6.00	22.59	441.00	327.36	777.84	2,053.17	3,642.92
65 mph	2.10	0.01	0.84	3.18	56.00	41.15	-	-	103.27
70 mph	-	-	-	-	-	-	-	-	-
total	211.64	0.72	85.84	315.83	5,777.29	4,470.76	31,517.45	83,593.56	125,973.10

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	1.69	0.01	0.68	5.02	125.39	96.23	-	-	229.02
15 mph	1.39	0.00	0.57	4.25	81.57	63.82	-	-	151.60
20 mph	1.14	0.00	0.46	3.53	69.61	54.50	2,901.35	7,858.83	10,889.43
25 mph	1.91	0.01	0.78	5.99	123.47	97.13	4,430.94	11,645.81	16,306.03
30 mph	3.31	0.01	1.35	10.36	224.52	175.40	6,668.07	17,521.84	24,604.87
35 mph	6.75	0.02	2.74	21.20	506.28	395.48	5,955.37	15,664.71	22,552.55
40 mph	7.01	0.02	2.84	22.05	547.83	423.89	5,001.48	13,182.05	19,187.18
45 mph	5.42	0.02	2.19	16.97	427.68	326.12	3,447.16	9,102.61	13,328.17
50 mph	6.12	0.02	2.47	19.21	504.82	380.77	1,700.58	4,468.80	7,082.78
55 mph	3.56	0.01	1.43	11.26	292.76	218.71	874.89	2,327.03	3,729.65
60 mph	2.31	0.01	0.93	7.32	177.31	131.62	65,438.66	172,730.09	238,488.25
65 mph	0.87	0.00	0.35	2.75	60.04	44.12	-	-	108.12
70 mph	43.47	0.14	17.12	137.99	2,825.64	2,076.58	-	-	5,100.93
total	84.95	0.28	33.90	267.90	5,966.93	4,484.35	96,418.51	254,501.76	361,758.58

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	280.86	310.64	1,325.72	2,307.05	4,224.26
15 mph	27.78	0.10	11.30	14.32	239.69	187.53	1,570.08	4,274.76	6,325.56
25 mph	-	-	-	-	344.55	271.03	5,121.17	13,459.94	19,196.69
35 mph	64.43	0.22	26.14	31.36	-	-	-	-	122.14
total	92.20	0.31	37.44	45.68	865.10	769.20	8,016.96	20,041.75	29,868.66

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	280.86	310.64	1,325.72	2,307.05	4,224.26
10 mph	22.13	0.08	8.93	34.10	710.16	544.97	3,592.93	9,907.60	14,820.89
15 mph	35.89	0.12	14.61	28.43	473.42	370.38	2,512.22	6,839.88	10,274.95
20 mph	12.17	0.04	4.96	19.90	329.32	257.81	4,510.75	12,218.18	17,353.14
25 mph	48.17	0.17	19.63	75.29	1,619.64	1,274.05	17,276.85	45,408.64	65,722.43
30 mph	47.40	0.16	19.28	76.33	1,376.27	1,075.14	12,832.79	33,720.99	49,148.36
35 mph	103.79	0.35	42.11	101.67	1,450.69	1,133.19	8,432.98	22,181.70	33,446.49
40 mph	17.19	0.06	6.95	37.37	854.40	661.11	7,523.62	19,829.48	28,930.19
45 mph	13.61	0.05	5.50	29.25	676.99	516.23	5,359.33	14,151.89	20,752.84
50 mph	14.34	0.05	5.78	31.57	766.40	578.07	4,766.38	12,525.13	18,687.71
55 mph	10.44	0.03	4.20	21.69	511.20	381.90	1,602.85	4,263.26	6,795.58
60 mph	17.23	0.06	6.93	29.90	618.31	458.97	66,216.50	174,783.26	242,131.18
65 mph	2.97	0.01	1.19	5.92	116.04	85.27	-	-	211.40
70 mph	43.47	0.14	17.12	137.99	2,825.64	2,076.58	-	-	5,100.93
total	388.80	1.31	157.18	629.41	12,609.32	9,724.31	135,952.92	358,137.07	517,600.33

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1,002.22	1,002.22
15 mph								280.33	280.33
20 mph								489.37	489.37
25 mph								2,479.69	2,479.69
30 mph								2,131.01	2,131.01
35 mph								915.06	915.06
40 mph								976.77	976.77
45 mph								754.57	754.57
50 mph								1,188.90	1,188.90
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	10,217.92	10,217.92

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								882.21	882.21
25 mph								1,422.36	1,422.36
30 mph								2,305.01	2,305.01
35 mph								2,199.50	2,199.50
40 mph								1,936.97	1,936.97
45 mph								1,360.31	1,360.31
50 mph								659.47	659.47
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	6,809.08	6,809.08

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								140.87	140.87
15 mph								467.17	467.17
25 mph								1,643.92	1,643.92
35 mph								-	-
total	-	-	-	-	-	-	-	2,251.97	2,251.97

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								140.87	140.87
10 mph								1,002.22	1,002.22
15 mph								747.50	747.50
20 mph								1,371.58	1,371.58
25 mph								5,545.97	5,545.97
30 mph								4,436.02	4,436.02
35 mph								3,114.56	3,114.56
40 mph								2,913.74	2,913.74
45 mph								2,114.89	2,114.89
50 mph								1,848.37	1,848.37
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	23,235.72	23,235.72

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	670.84	446.74	1,852.98	2,457.01	5,427.56
10 mph	2,473.71	217.96	1,119.34	1,275.68	1,950.70	971.77	4,652.03	10,918.93	23,580.13
15 mph	3,987.23	351.23	1,803.50	1,025.92	1,511.90	727.41	3,282.38	7,594.03	20,283.60
20 mph	1,370.92	120.78	620.10	719.14	1,033.10	499.82	5,855.15	13,601.40	23,820.41
25 mph	5,530.14	487.45	2,502.57	2,749.43	4,955.80	2,421.13	22,326.07	50,998.32	91,970.91
30 mph	5,573.01	491.45	2,523.21	2,861.41	4,144.20	2,026.92	16,628.95	38,189.82	72,438.97
35 mph	12,510.55	1,103.72	5,666.74	3,891.41	4,150.96	2,061.89	11,024.50	25,318.62	65,728.38
40 mph	2,144.77	189.27	971.45	1,479.80	2,435.41	1,204.89	9,965.56	22,764.27	41,155.40
45 mph	1,766.87	155.89	799.78	1,207.85	1,965.41	959.38	7,202.79	16,282.61	30,340.57
50 mph	1,910.08	168.52	864.20	1,334.23	2,197.56	1,070.09	6,475.62	14,388.17	28,408.48
55 mph	1,380.63	121.79	624.78	903.72	1,463.20	709.17	2,183.51	4,268.24	11,655.05
60 mph	2,166.55	191.27	982.30	1,190.39	1,805.13	866.96	89,564.00	174,983.34	271,749.95
65 mph	339.73	30.03	154.36	215.98	341.96	162.89	-	-	1,244.95
70 mph	4,632.25	410.07	2,097.93	4,725.96	8,283.65	3,944.91	-	-	24,094.77
STREX	196.86	17.58	91.35	282.87	23.34	7.95	22.05	0.20	642.20
total	45,983.28	4,057.02	20,821.63	23,863.80	36,933.17	18,081.90	181,035.58	381,764.95	**712,541.34**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	47.59	55.93	58.86	72.87	17.78	20.26	35.08	42.93
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	196.86	17.58	91.35	282.87	23.34	7.95	22.05	0.20
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	196.86	17.58	91.35	282.87	23.34	7.95	22.05	0.20

World Logistics Center
Mobile Emissions - 2029 (Net) - Mitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
34.56	1,032.30	569.35	7.15	9.39	144.21	89.97	243.56	8.96	35.40	35.17	79.52	6.81	93.11	30.01	767,902.48

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
6.31	188.39	103.91	1.30	1.71	26.32	16.42	44.45	1.63	6.46	6.42	14.51	1.24	16.99	5.48	140,142.20

World Logistics Center
Mobile Emissions - 2029 (Net) - Mitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	2,282.53	24.99	98.37	91,121.17	997.81	3,926.91
LDT1	173.61	0.03	3.87	6,930.67	1.34	154.32
LDT2	856.72	7.58	24.04	34,201.11	302.62	959.79
MDT	1,867.03	56.07	54.17	28,588.46	858.54	829.40
LHDT1	624.02	571.22	-	14,274.99	13,067.16	-
LHDT2	185.45	389.20	-	4,242.23	8,903.32	-
MHDT	299.45	1,698.24	-	13,271.44	75,265.89	-
HHDT	2.25	3,134.52	194.26	99.66	138,922.27	8,609.57

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	64,463.66	705.90	2,778.09	26,657.51	291.91	1,148.82
LDT1	4,903.10	0.95	109.18	2,027.57	0.39	45.15
LDT2	24,195.57	214.09	679.00	10,005.54	88.53	280.79
MDT	15,340.05	460.68	445.04	13,248.41	397.86	384.36
LHDT1	6,888.90	6,306.02	-	7,386.09	6,761.14	-
LHDT2	2,047.24	4,296.61	-	2,194.99	4,606.71	-
MHDT	2,881.65	16,342.59	-	10,389.80	58,923.31	-
HHDT	21.64	30,164.38	1,869.41	78.02	108,757.88	6,740.16

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	3,223.18	245.15	1,209.78	767.00	344.44	102.36	172.90	1.30	6,066.12
15 mph	1,289.27	98.06	483.91	306.80	137.78	40.94	57.63	0.43	2,414.84
20 mph	2,578.55	196.12	967.82	613.60	275.56	81.89	115.27	0.87	4,829.67
25 mph	12,892.73	980.62	4,839.11	3,068.01	1,377.78	409.45	633.96	4.76	24,206.42
30 mph	14,182.00	1,078.68	5,323.03	3,374.81	1,515.56	450.39	576.33	4.33	26,505.13
35 mph	11,603.46	882.56	4,355.20	2,761.21	1,240.00	368.50	259.35	1.95	21,472.23
40 mph	3,867.82	294.19	1,451.73	920.40	413.33	122.83	288.16	2.16	7,360.64
45 mph	3,223.18	245.15	1,209.78	767.00	344.44	102.36	230.53	1.73	6,124.19
50 mph	3,223.18	245.15	1,209.78	767.00	344.44	102.36	374.61	2.81	6,269.35
55 mph	2,578.55	196.12	967.82	613.60	275.56	81.89	86.45	0.65	4,800.64
60 mph	5,157.09	392.25	1,935.65	1,227.20	551.11	163.78	86.45	0.65	9,514.18
65 mph	644.64	49.03	241.96	153.40	68.89	20.47	-	-	1,178.39
70 mph	-	-	-	-	-	-	-	-	-
total	64,463.66	4,903.10	24,195.57	15,340.05	6,888.90	2,047.24	2,881.65	21.64	120,741.80

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	266.58	20.28	100.06	132.48	73.86	21.95	-	-	615.20
15 mph	266.58	20.28	100.06	132.48	73.86	21.95	-	-	615.20
20 mph	266.58	20.28	100.06	132.48	73.86	21.95	207.80	1.56	824.56
25 mph	533.15	40.55	200.11	264.97	147.72	43.90	363.64	2.73	1,596.78
30 mph	1,066.30	81.10	400.22	529.94	295.44	87.80	623.39	4.68	3,088.87
35 mph	2,399.18	182.48	900.50	1,192.36	664.75	197.55	623.39	4.68	6,164.88
40 mph	2,665.75	202.76	1,000.55	1,324.84	738.61	219.50	571.44	4.29	6,727.74
45 mph	2,132.60	162.21	800.44	1,059.87	590.89	175.60	415.59	3.12	5,340.32
50 mph	2,399.18	182.48	900.50	1,192.36	664.75	197.55	207.80	1.56	5,746.17
55 mph	1,332.88	101.38	500.28	662.42	369.30	109.75	103.90	0.78	3,180.68
60 mph	799.73	60.83	300.17	397.45	221.58	65.85	7,272.86	54.62	9,173.08
65 mph	266.58	20.28	100.06	132.48	73.86	21.95	-	-	615.20
70 mph	12,262.46	932.68	4,602.55	6,094.27	3,397.60	1,009.70	-	-	28,299.25
total	26,657.51	2,027.57	10,005.54	13,248.41	7,386.09	2,194.99	10,389.80	78.02	71,987.93

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	42.92	12.75	19.52	0.21	75.40
15 mph	4,034.91	306.89	1,514.45	445.64	215.47	64.03	95.16	0.71	6,677.27
25 mph	-	-	-	-	409.21	121.61	416.43	3.13	950.38
35 mph	17,360.71	1,320.45	6,516.11	1,761.99	-	-	-	-	26,959.26
total	21,395.62	1,627.35	8,030.56	2,207.63	624.68	185.64	511.59	3.84	34,586.91

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	42.92	12.75	19.52	0.21	75.40
10 mph	3,489.76	265.43	1,309.83	899.49	418.31	124.31	172.90	1.30	6,681.32
15 mph	5,590.76	425.23	2,098.42	884.93	427.11	126.93	152.80	1.15	9,707.31
20 mph	2,845.12	216.40	1,067.88	746.09	349.42	103.84	323.06	2.43	5,654.23
25 mph	13,425.88	1,021.17	5,039.23	3,332.98	1,934.72	574.96	1,414.03	10.62	26,753.58
30 mph	15,248.31	1,159.78	5,723.25	3,904.75	1,811.00	538.19	1,199.72	9.01	29,594.00
35 mph	31,363.34	2,385.49	11,771.81	5,715.56	1,904.75	566.05	882.74	6.63	54,596.37
40 mph	6,533.57	496.94	2,452.29	2,245.24	1,151.94	342.33	859.60	6.46	14,088.38
45 mph	5,355.78	407.36	2,010.22	1,826.88	935.33	277.96	646.12	4.85	11,464.51
50 mph	5,622.36	427.64	2,110.28	1,959.36	1,009.19	299.91	582.41	4.37	12,015.52
55 mph	3,911.42	297.50	1,468.10	1,276.02	644.86	191.64	190.35	1.43	7,981.32
60 mph	5,956.82	453.08	2,235.81	1,624.66	772.69	229.63	7,359.31	55.27	18,687.26
65 mph	911.21	69.31	342.01	285.88	142.75	42.42	-	-	1,793.59
70 mph	12,262.46	932.68	4,602.55	6,094.27	3,397.60	1,009.70	-	-	28,299.25
total	112,516.79	8,558.02	42,231.67	30,796.10	14,899.67	4,427.87	13,783.03	103.51	227,316.64

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	35.30	0.05	10.70	23.03	315.30	214.83	980.56	1,809.86	3,389.63
15 mph	14.12	0.02	4.28	9.21	126.12	85.93	326.85	603.29	1,169.82
20 mph	28.24	0.04	8.56	18.43	252.24	171.86	653.70	1,206.58	2,339.65
25 mph	141.18	0.19	42.82	92.14	1,261.20	859.32	3,595.37	6,636.16	12,628.38
30 mph	155.30	0.21	47.10	101.35	1,387.32	945.25	3,268.52	6,032.88	11,937.93
35 mph	127.06	0.17	38.54	82.92	1,135.08	773.39	1,470.83	2,714.79	6,342.79
40 mph	42.35	0.06	12.85	27.64	378.36	257.80	1,634.26	3,016.44	5,369.75
45 mph	35.30	0.05	10.70	23.03	315.30	214.83	1,307.41	2,413.15	4,319.77
50 mph	35.30	0.05	10.70	23.03	315.30	214.83	2,124.54	3,921.37	6,645.12
55 mph	28.24	0.04	8.56	18.43	252.24	171.86	490.28	904.93	1,874.58
60 mph	56.47	0.08	17.13	36.85	504.48	343.73	490.28	904.93	2,353.95
65 mph	7.06	0.01	2.14	4.61	63.06	42.97	-	-	119.84
70 mph	-	-	-	-	-	-	-	-	-
total	705.90	0.95	214.09	460.68	6,306.02	4,296.61	16,342.59	30,164.38	58,491.22

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	2.92	0.00	0.89	3.98	67.61	46.07	-	-	121.47
15 mph	2.92	0.00	0.89	3.98	67.61	46.07	-	-	121.47
20 mph	2.92	0.00	0.89	3.98	67.61	46.07	1,178.47	2,175.16	3,475.09
25 mph	5.84	0.01	1.77	7.96	135.22	92.13	2,062.32	3,806.53	6,111.77
30 mph	11.68	0.02	3.54	15.91	270.45	184.27	3,535.40	6,525.47	10,546.73
35 mph	26.27	0.04	7.97	35.81	608.50	414.60	3,535.40	6,525.47	11,154.06
40 mph	29.19	0.04	8.85	39.79	676.11	460.67	3,240.78	5,981.68	10,437.12
45 mph	23.35	0.03	7.08	31.83	540.89	368.54	2,356.93	4,350.32	7,678.97
50 mph	26.27	0.04	7.97	35.81	608.50	414.60	1,178.47	2,175.16	4,446.81
55 mph	14.60	0.02	4.43	19.89	338.06	230.34	589.23	1,087.58	2,284.14
60 mph	8.76	0.01	2.66	11.94	202.83	138.20	41,246.31	76,130.52	117,741.23
65 mph	2.92	0.00	0.89	3.98	67.61	46.07	-	-	121.47
70 mph	134.28	0.18	40.72	183.02	3,110.12	2,119.08	-	-	5,587.41
total	291.91	0.39	88.53	397.86	6,761.14	4,606.71	58,923.31	108,757.88	179,827.74

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	39.28	26.77	110.71	204.35	381.11
15 mph	44.18	0.06	13.40	13.38	197.24	134.39	539.69	996.13	1,938.47
25 mph	-	-	-	-	374.59	255.23	2,361.66	4,359.04	7,350.52
35 mph	190.11	0.26	57.66	52.91	-	-	-	-	300.93
total	234.29	0.31	71.06	66.30	571.83	389.61	2,901.35	5,355.18	9,589.93

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	39.28	26.77	110.71	204.35	381.11
10 mph	38.21	0.05	11.59	27.01	382.91	260.90	980.56	1,809.86	3,511.10
15 mph	61.22	0.08	18.57	26.58	390.97	266.39	866.54	1,599.42	3,229.76
20 mph	31.16	0.04	9.45	22.41	319.85	217.93	1,832.17	3,381.73	5,814.74
25 mph	147.02	0.20	44.59	100.09	1,771.02	1,206.68	8,019.35	14,801.73	26,090.68
30 mph	166.98	0.22	50.64	117.26	1,657.77	1,129.52	6,803.92	12,558.35	22,484.66
35 mph	343.44	0.46	104.16	171.64	1,743.59	1,187.99	5,006.23	9,240.27	17,797.78
40 mph	71.55	0.10	21.70	67.43	1,054.48	718.47	4,875.04	8,998.12	15,806.87
45 mph	58.65	0.08	17.79	54.86	856.19	583.37	3,664.34	6,763.47	11,998.74
50 mph	61.57	0.08	18.67	58.84	923.80	629.43	3,303.00	6,096.53	11,091.93
55 mph	42.83	0.06	12.99	38.32	590.30	402.20	1,079.51	1,992.51	4,158.72
60 mph	65.23	0.09	19.78	48.79	707.32	481.93	41,736.59	77,035.45	120,095.18
65 mph	9.98	0.01	3.03	8.59	130.67	89.03	-	-	241.31
70 mph	134.28	0.18	40.72	183.02	3,110.12	2,119.08	-	-	5,587.41
total	1,232.11	1.65	373.68	924.84	13,638.98	9,292.93	78,167.25	144,277.45	247,908.88

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	138.90	5.46	33.95	22.25	-	-	-	112.16	312.73
15 mph	55.56	2.18	13.58	8.90	-	-	-	37.39	117.61
20 mph	111.12	4.37	27.16	17.80	-	-	-	74.78	235.23
25 mph	555.62	21.84	135.80	89.01	-	-	-	411.27	1,213.53
30 mph	611.18	24.02	149.38	97.91	-	-	-	373.88	1,256.37
35 mph	500.06	19.65	122.22	80.11	-	-	-	168.25	890.28
40 mph	166.69	6.55	40.74	26.70	-	-	-	186.94	427.62
45 mph	138.90	5.46	33.95	22.25	-	-	-	149.55	350.12
50 mph	138.90	5.46	33.95	22.25	-	-	-	243.02	443.59
55 mph	111.12	4.37	27.16	17.80	-	-	-	56.08	216.53
60 mph	222.25	8.73	54.32	35.60	-	-	-	56.08	376.99
65 mph	27.78	1.09	6.79	4.45	-	-	-	-	40.11
70 mph	-	-	-	-	-	-	-	-	-
total	2,778.09	109.18	679.00	445.04	-	-	-	1,869.41	5,880.72

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	11.49	0.45	2.81	3.84	-	-	-	-	18.59
15 mph	11.49	0.45	2.81	3.84	-	-	-	-	18.59
20 mph	11.49	0.45	2.81	3.84	-	-	-	134.80	153.39
25 mph	22.98	0.90	5.62	7.69	-	-	-	235.91	273.09
30 mph	45.95	1.81	11.23	15.37	-	-	-	404.41	478.77
35 mph	103.39	4.06	25.27	34.59	-	-	-	404.41	571.73
40 mph	114.88	4.51	28.08	38.44	-	-	-	370.71	556.62
45 mph	91.91	3.61	22.46	30.75	-	-	-	269.61	418.34
50 mph	103.39	4.06	25.27	34.59	-	-	-	134.80	302.12
55 mph	57.44	2.26	14.04	19.22	-	-	-	67.40	160.36
60 mph	34.46	1.35	8.42	11.53	-	-	-	4,718.11	4,773.89
65 mph	11.49	0.45	2.81	3.84	-	-	-	-	18.59
70 mph	528.46	20.77	129.16	176.80	-	-	-	-	855.19
total	1,148.82	45.15	280.79	384.36	-	-	-	6,740.16	8,599.27

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	12.66	12.66
15 mph	173.89	6.83	42.50	12.93	-	-	-	61.73	297.88
25 mph	-	-	-	-	-	-	-	270.15	270.15
35 mph	748.17	29.40	182.86	51.12	-	-	-	-	1,011.55
total	922.05	36.24	225.36	64.05	-	-	-	331.88	1,579.58

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	12.66	12.66
10 mph	150.39	5.91	36.76	26.10	-	-	-	112.16	331.32
15 mph	240.94	9.47	58.89	25.67	-	-	-	99.12	434.09
20 mph	122.61	4.82	29.97	21.65	-	-	-	209.58	388.62
25 mph	578.59	22.74	141.42	96.70	-	-	-	917.32	1,756.77
30 mph	657.13	25.82	160.61	113.28	-	-	-	778.29	1,735.14
35 mph	1,351.62	53.12	330.35	165.82	-	-	-	572.66	2,473.56
40 mph	281.57	11.07	68.82	65.14	-	-	-	557.65	984.24
45 mph	230.81	9.07	56.41	53.00	-	-	-	419.16	768.45
50 mph	242.30	9.52	59.22	56.84	-	-	-	377.83	745.71
55 mph	168.56	6.62	41.20	37.02	-	-	-	123.48	376.89
60 mph	256.71	10.09	62.74	47.13	-	-	-	4,774.20	5,150.87
65 mph	39.27	1.54	9.60	8.29	-	-	-	-	58.70
70 mph	528.46	20.77	129.16	176.80	-	-	-	-	855.19
total	3,101.28	121.88	758.00	449.21	-	-	-	2,689.14	16,059.57

World Logistics Center
Mobile Emissions - 2029 (Net) - Mitigated
Area Source Diesel Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	20049	330	0.21	4210.3	3994.4	43.7	172.1
	LDT1	15	1479	330	0.21	310.6	303.8	0.1	6.8
	LDT2	15	7403	330	0.21	1554.6	1499.3	13.3	42.1
	MDT	15	2230	330	0.21	468.4	442.3	13.3	12.8
	LHDT1	15	1960	330	0.21	411.5	214.8	196.7	0.0
	LHDT2	15	942	330	0.21	197.9	63.8	134.0	0.0
	MHDT	15	3000	330	0.21	630.0	94.4	535.6	0.0
	HHDT	15	5002	330	0.21	1050.5	0.7	988.5	61.3
Travel at Light Logistics	LDA	15	144	175	0.11	15.8	15.0	0.2	0.6
	LDT1	15	11	175	0.11	1.2	1.1	0.0	0.0
	LDT2	15	53	175	0.11	5.8	5.6	0.0	0.2
	MDT	15	13	175	0.11	1.5	1.4	0.0	0.0
	LHDT1	15	8	175	0.11	0.9	0.5	0.4	0.0
	LHDT2	15	4	175	0.11	0.4	0.1	0.3	0.0
	MHDT	15	10	175	0.11	1.1	0.2	0.9	0.0
	HHDT	15	16	175	0.11	1.8	0.0	1.7	0.1
Travel at Utility	LDA	15	163	100	0.06	9.8	9.3	0.1	0.4
	LDT1	15	12	100	0.06	0.7	0.7	0.0	0.0
	LDT2	15	60	100	0.06	3.6	3.5	0.0	0.1
	MDT	15	35	100	0.06	2.1	2.0	0.1	0.1
	LHDT1	15	5	100	0.06	0.3	0.2	0.2	0.0
	LHDT2	15	3	100	0.06	0.2	0.0	0.1	0.0
	MHDT	15	10	100	0.06	0.6	0.1	0.5	0.0
	HHDT	15	17	100	0.06	1.0	0.0	1.0	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	106	50	0.03	3.2	0.5	2.7	0.0
	HHDT	15	176	50	0.03	5.3	0.0	5.0	0.3
Travel at Convenience Store	LDA	15	498	50	0.03	14.9	14.2	0.2	0.6
	LDT1	15	37	50	0.03	1.1	1.1	0.0	0.0
	LDT2	15	184	50	0.03	5.5	5.3	0.0	0.1
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	71	50	0.03	2.1	2.0	0.0	0.1
	LDT1	15	5	50	0.03	0.2	0.2	0.0	0.0
	LDT2	15	26	50	0.03	0.8	0.8	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	4034.9	306.9	1514.4	445.6	215.5	64.0	95.2	0.7
Diesel	44.2	0.1	13.4	13.4	197.2	134.4	539.7	996.1
Electric/Natural Gas (HHDT Only)	173.9	6.8	42.5	12.9	0.0	0.0	0.0	61.7

World Logistics Center
Mobile Emissions - 2029 (Net) - Mitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	980	512	468	0	2557.7	2341.3	0.0
	LHDT2	5	471	152	319	0	760.1	1595.3	0.0
	MHDT	5	1500	225	1275	0	1124.2	6375.8	0.0
	HHDT	5	2501	2	2354	146	8.4	11768.2	729.3
Travel at Light Logistics	LHDT1	5	4	2	2	0	10.3	9.4	0.0
	LHDT2	5	2	1	1	0	3.1	6.4	0.0
	MHDT	5	5	1	4	0	3.6	20.6	0.0
	HHDT	5	8	0	8	0	0.0	38.1	2.4
Travel at Utility	LHDT1	5	3	1	1	0	6.9	6.3	0.0
	LHDT2	5	1	0	1	0	2.1	4.3	0.0
	MHDT	5	5	1	4	0	3.8	21.5	0.0
	HHDT	5	8	0	8	0	0.0	39.6	2.5
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	53	8	45	0	39.6	224.8	0.0
	HHDT	5	88	0	83	5	0.3	414.9	25.7
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	42.9	12.8	19.5	0.2
Diesel	39.3	26.8	110.7	204.3
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	12.7

World Logistics Center
Mobile Emissions - 2029 (Net) - Mitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					15.0659	15.2268	27.0884	11.3208
10 mph	0.0203	0.0514	0.0369	0.0453	0.0541	0.0405	0.0989	1.4447
15 mph	0.0136	0.0349	0.0249	0.0306	0.0368	0.0272	0.0663	0.9581
20 mph	0.0096	0.0251	0.0177	0.0217	0.0269	0.0195	0.0470	0.6773
25 mph	0.0071	0.0188	0.0131	0.0161	0.0203	0.0145	0.0345	0.5022
30 mph	0.0055	0.0148	0.0102	0.0126	0.0161	0.0113	0.0265	0.3933
35 mph	0.0045	0.0122	0.0083	0.0103	0.0136	0.0093	0.0216	0.3256
40 mph	0.0039	0.0106	0.0072	0.0090	0.0121	0.0082	0.0189	0.2845
45 mph	0.0036	0.0097	0.0066	0.0082	0.0113	0.0076	0.0172	0.2616
50 mph	0.0034	0.0094	0.0064	0.0079	0.0110	0.0073	0.0166	0.2532
55 mph	0.0035	0.0094	0.0064	0.0080	0.0114	0.0075	0.0171	0.2587
60 mph	0.0037	0.0098	0.0067	0.0084	0.0123	0.0080	0.0183	0.2767
65 mph	0.0040	0.0107	0.0074	0.0093	0.0140	0.0091		
70 mph	0.0043	0.0127	0.0077	0.0101	0.0147	0.0087		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5054	2.3680
10 mph	0.0925	0.3686	0.1948	0.0977	0.5487	0.5508	0.0326	0.0824
15 mph	0.0466	0.2377	0.0954	0.0481	0.2783	0.2790	0.0181	0.0452
20 mph	0.0197	0.1587	0.0375	0.0194	0.1215	0.1211	0.0123	0.0282
25 mph	0.0124	0.1219	0.0226	0.0120	0.0780	0.0776	0.0097	0.0232
30 mph	0.0095	0.1007	0.0171	0.0092	0.0611	0.0605	0.0078	0.0187
35 mph	0.0077	0.0874	0.0137	0.0074	0.0507	0.0499	0.0064	0.0154
40 mph	0.0065	0.0792	0.0113	0.0062	0.0437	0.0429	0.0055	0.0133
45 mph	0.0057	0.0748	0.0096	0.0053	0.0389	0.0380	0.0051	0.0122
50 mph	0.0051	0.0742	0.0084	0.0047	0.0360	0.0350	0.0051	0.0122
55 mph	0.0047	0.0771	0.0074	0.0042	0.0340	0.0330	0.0056	0.0136
60 mph	0.0047	0.0837	0.0070	0.0041	0.0342	0.0330	0.0066	0.0189
65 mph	0.0049	0.0956	0.0071	0.0043	0.0383	0.0367		
70 mph	0.0050	0.1103	0.0073	0.0046	0.0591	0.0524		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0624
10 mph								0.5064
15 mph								0.3192
20 mph								0.2062
25 mph								0.1522
30 mph								0.1160
35 mph								0.0888
40 mph								0.0685
45 mph								0.0536
50 mph								0.0429
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1445	0.0278	0.0985	0.0767	0.0411	0.0091	0.0377	0.0041	0.4395
15 mph	0.0388	0.0075	0.0266	0.0207	0.0112	0.0025	0.0084	0.0009	0.1165
20 mph	0.0546	0.0108	0.0377	0.0294	0.0163	0.0035	0.0120	0.0013	0.1656
25 mph	0.2010	0.0406	0.1396	0.1089	0.0616	0.0131	0.0482	0.0053	0.6182
30 mph	0.1713	0.0351	0.1195	0.0935	0.0538	0.0112	0.0337	0.0038	0.5218
35 mph	0.1142	0.0238	0.0799	0.0627	0.0371	0.0076	0.0124	0.0014	0.3390
40 mph	0.0330	0.0069	0.0231	0.0182	0.0110	0.0022	0.0120	0.0014	0.1078
45 mph	0.0253	0.0053	0.0177	0.0139	0.0086	0.0017	0.0087	0.0010	0.0822
50 mph	0.0244	0.0051	0.0169	0.0134	0.0084	0.0017	0.0137	0.0016	0.0851
55 mph	0.0197	0.0041	0.0137	0.0109	0.0069	0.0014	0.0033	0.0004	0.0603
60 mph	0.0416	0.0085	0.0287	0.0228	0.0149	0.0029	0.0035	0.0004	0.1232
65 mph	0.0057	0.0012	0.0039	0.0031	0.0021	0.0004	-	-	0.0165
70 mph	-	-	-	-	-	-	-	-	-
total	0.8741	0.1766	0.6057	0.4742	0.2730	0.0573	0.1935	0.0215	2.6757

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0120	0.0023	0.0081	0.0132	0.0088	0.0020	-	-	0.0464
15 mph	0.0080	0.0016	0.0055	0.0089	0.0060	0.0013	-	-	0.0313
20 mph	0.0056	0.0011	0.0039	0.0063	0.0044	0.0009	0.0215	0.0023	0.0462
25 mph	0.0083	0.0017	0.0058	0.0094	0.0066	0.0014	0.0276	0.0030	0.0638
30 mph	0.0129	0.0026	0.0090	0.0147	0.0105	0.0022	0.0365	0.0041	0.0924
35 mph	0.0236	0.0049	0.0165	0.0271	0.0199	0.0041	0.0297	0.0034	0.1291
40 mph	0.0228	0.0048	0.0159	0.0262	0.0197	0.0040	0.0238	0.0027	0.1198
45 mph	0.0167	0.0035	0.0117	0.0192	0.0147	0.0029	0.0157	0.0018	0.0863
50 mph	0.0181	0.0038	0.0126	0.0208	0.0162	0.0032	0.0076	0.0009	0.0832
55 mph	0.0102	0.0021	0.0071	0.0117	0.0093	0.0018	0.0039	0.0004	0.0466
60 mph	0.0064	0.0013	0.0044	0.0074	0.0060	0.0012	0.2938	0.0333	0.3538
65 mph	0.0024	0.0005	0.0016	0.0027	0.0023	0.0004	-	-	0.0099
70 mph	0.1159	0.0261	0.0779	0.1356	0.1098	0.0194	-	-	0.4847
total	0.2629	0.0562	0.1801	0.3033	0.2341	0.0448	0.4602	0.0519	1.5936

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.4257	0.4282	1.1660	0.0052	3.0250
15 mph	0.1214	0.0236	0.0831	0.0300	0.0175	0.0038	0.0139	0.0015	0.2949
25 mph	-	-	-	-	0.0183	0.0039	0.0317	0.0035	0.0573
35 mph	0.1709	0.0355	0.1195	0.0400	-	-	-	-	0.3660
total	0.2922	0.0592	0.2026	0.0701	1.4614	0.4359	1.2116	0.0101	3.7431

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.4257	0.4282	1.1660	0.0052	3.0250
10 mph	0.1565	0.0301	0.1066	0.0899	0.0499	0.0111	0.0377	0.0041	0.4859
15 mph	0.1682	0.0327	0.1152	0.0596	0.0346	0.0076	0.0223	0.0024	0.4427
20 mph	0.0602	0.0120	0.0416	0.0357	0.0207	0.0045	0.0335	0.0036	0.2118
25 mph	0.2093	0.0423	0.1453	0.1183	0.0865	0.0183	0.1075	0.0118	0.7393
30 mph	0.1841	0.0378	0.1284	0.1082	0.0643	0.0134	0.0702	0.0078	0.6142
35 mph	0.3087	0.0642	0.2159	0.1299	0.0569	0.0117	0.0421	0.0048	0.8341
40 mph	0.0558	0.0117	0.0391	0.0444	0.0307	0.0062	0.0358	0.0040	0.2276
45 mph	0.0420	0.0088	0.0294	0.0332	0.0233	0.0046	0.0245	0.0028	0.1685
50 mph	0.0425	0.0088	0.0296	0.0342	0.0246	0.0048	0.0213	0.0024	0.1683
55 mph	0.0299	0.0062	0.0208	0.0226	0.0163	0.0032	0.0072	0.0008	0.1069
60 mph	0.0480	0.0098	0.0331	0.0302	0.0209	0.0041	0.2973	0.0337	0.4770
65 mph	0.0081	0.0016	0.0056	0.0059	0.0044	0.0009	-	-	0.0264
70 mph	0.1159	0.0261	0.0779	0.1356	0.1098	0.0194	-	-	0.4847
total	1.4293	0.2920	0.9884	0.8475	1.9685	0.5380	1.8653	0.0835	8.0124

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0072	0.0000	0.0046	0.0050	0.3815	0.2609	0.0706	0.3290	1.0587
15 mph	0.0015	0.0000	0.0009	0.0010	0.0774	0.0529	0.0131	0.0601	0.2068
20 mph	0.0012	0.0000	0.0007	0.0008	0.0676	0.0459	0.0178	0.0750	0.2090
25 mph	0.0039	0.0001	0.0021	0.0024	0.2170	0.1470	0.0767	0.3389	0.7881
30 mph	0.0033	0.0000	0.0018	0.0020	0.1868	0.1261	0.0564	0.2491	0.6255
35 mph	0.0022	0.0000	0.0012	0.0014	0.1269	0.0852	0.0209	0.0924	0.3301
40 mph	0.0006	0.0000	0.0003	0.0004	0.0365	0.0244	0.0199	0.0883	0.1704
45 mph	0.0004	0.0000	0.0002	0.0003	0.0270	0.0180	0.0147	0.0651	0.1258
50 mph	0.0004	0.0000	0.0002	0.0002	0.0251	0.0166	0.0240	0.1059	0.1724
55 mph	0.0003	0.0000	0.0001	0.0002	0.0189	0.0125	0.0061	0.0272	0.0653
60 mph	0.0006	0.0000	0.0003	0.0003	0.0380	0.0250	0.0071	0.0378	0.1091
65 mph	0.0001	0.0000	0.0000	0.0000	0.0053	0.0035	-	-	0.0090
70 mph	-	-	-	-	-	-	-	-	-
total	0.0216	0.0002	0.0125	0.0140	1.2080	0.8179	0.3272	1.4687	3.8701

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0004	0.0009	0.0818	0.0560	-	-	0.1396
15 mph	0.0003	0.0000	0.0002	0.0004	0.0415	0.0283	-	-	0.0707
20 mph	0.0001	0.0000	0.0001	0.0002	0.0181	0.0123	0.0320	0.1352	0.1980
25 mph	0.0002	0.0000	0.0001	0.0002	0.0233	0.0158	0.0440	0.1944	0.2779
30 mph	0.0002	0.0000	0.0001	0.0003	0.0364	0.0246	0.0610	0.2694	0.3921
35 mph	0.0004	0.0000	0.0002	0.0006	0.0680	0.0457	0.0503	0.2220	0.3872
40 mph	0.0004	0.0000	0.0002	0.0005	0.0652	0.0435	0.0395	0.1751	0.3246
45 mph	0.0003	0.0000	0.0002	0.0004	0.0464	0.0309	0.0265	0.1174	0.2220
50 mph	0.0003	0.0000	0.0001	0.0004	0.0484	0.0320	0.0133	0.0588	0.1533
55 mph	0.0002	0.0000	0.0001	0.0002	0.0253	0.0168	0.0073	0.0327	0.0825
60 mph	0.0001	0.0000	0.0000	0.0001	0.0153	0.0101	0.5987	3.1791	3.8035
65 mph	0.0000	0.0000	0.0000	0.0000	0.0057	0.0037	-	-	0.0095
70 mph	0.0015	0.0000	0.0007	0.0019	0.4051	0.2450	-	-	0.6541
total	0.0046	0.0001	0.0024	0.0061	0.8805	0.5646	0.8727	4.3841	6.7151

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2749	0.1873	0.1234	1.0670	1.6525
15 mph	0.0045	0.0000	0.0028	0.0014	0.1210	0.0827	0.0216	0.0993	0.3334
25 mph	-	-	-	-	0.0645	0.0437	0.0504	0.2226	0.3811
35 mph	0.0032	0.0000	0.0017	0.0009	-	-	-	-	0.0059
total	0.0078	0.0001	0.0046	0.0023	0.4603	0.3136	0.1953	1.3888	2.3728

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2749	0.1873	0.1234	1.0670	1.6525
10 mph	0.0078	0.0000	0.0050	0.0058	0.4633	0.3169	0.0706	0.3290	1.1983
15 mph	0.0063	0.0000	0.0039	0.0028	0.2399	0.1639	0.0347	0.1594	0.6109
20 mph	0.0014	0.0000	0.0008	0.0010	0.0857	0.0582	0.0498	0.2102	0.4070
25 mph	0.0040	0.0001	0.0022	0.0026	0.3048	0.2064	0.1711	0.7559	1.4471
30 mph	0.0035	0.0000	0.0019	0.0024	0.2232	0.1506	0.1174	0.5185	1.0176
35 mph	0.0058	0.0001	0.0031	0.0028	0.1950	0.1308	0.0712	0.3144	0.7232
40 mph	0.0010	0.0000	0.0005	0.0009	0.1017	0.0679	0.0595	0.2635	0.4950
45 mph	0.0007	0.0000	0.0004	0.0006	0.0734	0.0489	0.0411	0.1826	0.3478
50 mph	0.0007	0.0000	0.0003	0.0006	0.0734	0.0486	0.0373	0.1647	0.3257
55 mph	0.0004	0.0000	0.0002	0.0004	0.0442	0.0293	0.0134	0.0598	0.1477
60 mph	0.0007	0.0000	0.0003	0.0004	0.0533	0.0351	0.6059	3.2169	3.9126
65 mph	0.0001	0.0000	0.0000	0.0001	0.0110	0.0072	-	-	0.0185
70 mph	0.0015	0.0000	0.0007	0.0019	0.4051	0.2450	-	-	0.6541
total	0.0339	0.0004	0.0194	0.0223	2.5489	1.6960	1.3952	7.2417	12.9580

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1252	0.1252
15 mph								0.0263	0.0263
20 mph								0.0340	0.0340
25 mph								0.1381	0.1381
30 mph								0.0956	0.0956
35 mph								0.0329	0.0329
40 mph								0.0283	0.0283
45 mph								0.0177	0.0177
50 mph								0.0230	0.0230
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.5211	0.5211

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0613	0.0613
25 mph								0.0792	0.0792
30 mph								0.1034	0.1034
35 mph								0.0792	0.0792
40 mph								0.0560	0.0560
45 mph								0.0319	0.0319
50 mph								0.0128	0.0128
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.3231	0.3231

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0017	0.0017
15 mph								0.0435	0.0435
25 mph								0.0907	0.0907
35 mph								-	-
total	-	-	-	-	-	-	-	0.1359	0.1359

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0017	0.0017
10 mph								0.1252	0.1252
15 mph								0.0698	0.0698
20 mph								0.0953	0.0953
25 mph								0.3079	0.3079
30 mph								0.1990	0.1990
35 mph								0.1121	0.1121
40 mph								0.0843	0.0843
45 mph								0.0496	0.0496
50 mph								0.0358	0.0358
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.0808	1.0808

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2932	0.8716	0.5134	0.5646	0.9161	0.8213	0.4913	1.0141
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS + HOTSOAK Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.4755	0.3336	0.9698	2.3244	1.2606	0.3358	0.3244	0.0050
Electric/NG	-	-	-	-	-	-	-	-
Total	**1.4755**	**0.3336**	**0.9698**	**2.3244**	**1.2606**	**0.3358**	**0.3244**	**0.0050**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3371	0.7009	0.5646	0.7158	0.0709	0.0660	0.0536	0.0707
Electric/NG	0.0315	0.0313	0.0314	0.0314	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.8483	0.1342	0.5333	1.4734	0.0488	0.0135	0.0177	0.0002
Electric/NG	0.0034	0.0001	0.0008	0.0019	-	-	-	-
Total	0.8517	0.1343	0.5341	1.4753	0.0488	0.0135	0.0177	0.0002

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1396	0.2028	0.1990	0.2409	0.0814	0.0815	0.1689	0.0015
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.7024	0.0776	0.3760	0.9918	0.1120	0.0333	0.1115	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.7024	0.0776	0.3760	0.9918	0.1120	0.0333	0.1115	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.7005	0.6155	1.2894	1.0739	4.6793
10 mph	0.1643	0.0301	0.1116	0.0957	0.5131	0.3280	0.1083	0.4583	1.8094
15 mph	0.1745	0.0328	0.1191	0.0624	0.2745	0.1715	0.0570	0.2316	1.1233
20 mph	0.0616	0.0120	0.0424	0.0367	0.1064	0.0627	0.0833	0.3091	0.7140
25 mph	0.2133	0.0423	0.1476	0.1210	0.3912	0.2247	0.2786	1.0756	2.4943
30 mph	0.1877	0.0378	0.1304	0.1105	0.2875	0.1641	0.1876	0.7253	1.8308
35 mph	0.3145	0.0643	0.2190	0.1327	0.2519	0.1425	0.1132	0.4313	1.6694
40 mph	0.0568	0.0117	0.0396	0.0453	0.1324	0.0741	0.0953	0.3518	0.8069
45 mph	0.0428	0.0088	0.0297	0.0338	0.0967	0.0535	0.0656	0.2350	0.5659
50 mph	0.0432	0.0089	0.0299	0.0349	0.0980	0.0535	0.0586	0.2029	0.5298
55 mph	0.0304	0.0062	0.0210	0.0229	0.0605	0.0324	0.0205	0.0606	0.2546
60 mph	0.0487	0.0098	0.0334	0.0306	0.0741	0.0392	0.9031	3.2506	4.3896
65 mph	0.0082	0.0016	0.0056	0.0059	0.0155	0.0081	-	-	0.0449
70 mph	0.1174	0.0261	0.0786	0.1374	0.5150	0.2644	-	-	1.1388
RL+HS	1.4755	0.3336	0.9698	2.3244	1.2606	0.3358	0.3244	0.0050	7.0291
RL+DIURN	0.8517	0.1343	0.5341	1.4753	0.0488	0.0135	0.0177	0.0002	3.0755
STREX	0.7024	0.0776	0.3760	0.9918	0.1120	0.0333	0.1115	0.0000	2.4047
total	4.4928	0.8379	2.8877	5.6613	5.9388	2.6166	3.7140	8.4112	**34.5605**

World Logistics Center
Mobile Emissions - 2029 (Net) - Mitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.3137	1.3270	2.4060	27.4018
10 mph	0.0372	0.0902	0.0699	0.0841	0.1494	0.1612	0.3010	4.8468
15 mph	0.0328	0.0777	0.0609	0.0732	0.1317	0.1414	0.2674	4.2852
20 mph	0.0294	0.0689	0.0543	0.0653	0.1215	0.1285	0.2424	3.8949
25 mph	0.0267	0.0618	0.0489	0.0590	0.1122	0.1174	0.2194	3.5786
30 mph	0.0246	0.0569	0.0449	0.0545	0.1059	0.1095	0.2011	3.3497
35 mph	0.0231	0.0534	0.0420	0.0512	0.1019	0.1038	0.1878	3.1882
40 mph	0.0221	0.0511	0.0400	0.0489	0.0989	0.0997	0.1799	3.0711
45 mph	0.0214	0.0498	0.0389	0.0476	0.0971	0.0970	0.1733	2.9975
50 mph	0.0211	0.0500	0.0386	0.0474	0.0972	0.0958	0.1714	2.9745
55 mph	0.0214	0.0517	0.0395	0.0485	0.0996	0.0975	0.1744	3.0218
60 mph	0.0223	0.0549	0.0416	0.0510	0.1032	0.1012	0.1806	3.1210
65 mph	0.0233	0.0589	0.0437	0.0540	0.1090	0.1062		
70 mph	0.0241	0.0663	0.0445	0.0575	0.1221	0.1075		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					41.9770	42.4036	29.2554	28.0074
10 mph	0.0704	0.5115	0.1262	0.0705	0.6781	0.6598	5.1112	10.6897
15 mph	0.0516	0.5091	0.0854	0.0492	0.5697	0.5588	3.5917	7.4528
20 mph	0.0385	0.5135	0.0573	0.0349	0.5545	0.5361	2.8542	5.2699
25 mph	0.0326	0.5229	0.0443	0.0286	0.5473	0.5261	2.2259	4.3895
30 mph	0.0295	0.5349	0.0375	0.0256	0.5712	0.5434	1.6633	3.2808
35 mph	0.0274	0.5459	0.0330	0.0239	0.6148	0.5754	1.2146	2.3993
40 mph	0.0262	0.5644	0.0298	0.0226	0.6517	0.6044	0.8793	1.7494
45 mph	0.0257	0.5864	0.0274	0.0216	0.6787	0.6274	0.6593	1.3243
50 mph	0.0255	0.6057	0.0257	0.0211	0.7178	0.6617	0.5558	1.1123
55 mph	0.0252	0.6312	0.0243	0.0207	0.7281	0.6742	0.5678	1.1798
60 mph	0.0256	0.6556	0.0238	0.0207	0.7406	0.6851	0.6959	1.4166
65 mph	0.0257	0.6663	0.0241	0.0215	0.8335	0.7638		
70 mph	0.0271	0.6326	0.0258	0.0259	1.5462	1.2988		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								32.3878
10 mph								3.0241
15 mph								2.2434
20 mph								1.7484
25 mph								1.4926
30 mph								1.3400
35 mph								1.2296
40 mph								1.1470
45 mph								1.0851
50 mph								1.0395
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.2646	0.0487	0.1864	0.1422	0.1135	0.0364	0.1148	0.0139	0.9204
15 mph	0.0931	0.0168	0.0650	0.0495	0.0400	0.0128	0.0340	0.0041	0.3153
20 mph	0.1670	0.0298	0.1158	0.0884	0.0738	0.0232	0.0616	0.0074	0.5671
25 mph	0.7581	0.1337	0.5215	0.3994	0.3408	0.1060	0.3067	0.0376	2.6037
30 mph	0.7706	0.1352	0.5272	0.4054	0.3539	0.1087	0.2555	0.0320	2.5885
35 mph	0.5917	0.1039	0.4030	0.3115	0.2785	0.0844	0.1074	0.0137	1.8940
40 mph	0.1882	0.0331	0.1281	0.0993	0.0901	0.0270	0.1143	0.0147	0.6947
45 mph	0.1520	0.0269	0.1038	0.0805	0.0737	0.0219	0.0881	0.0114	0.5583
50 mph	0.1502	0.0270	0.1029	0.0801	0.0738	0.0216	0.1416	0.0185	0.6157
55 mph	0.1218	0.0223	0.0844	0.0656	0.0605	0.0176	0.0332	0.0043	0.4099
60 mph	0.2539	0.0475	0.1775	0.1381	0.1254	0.0365	0.0344	0.0045	0.8179
65 mph	0.0331	0.0064	0.0233	0.0182	0.0166	0.0048	-	-	0.1024
70 mph	-	-	-	-	-	-	-	-	-
total	3.5444	0.6314	2.4389	1.8782	1.6407	0.5008	1.2915	0.1620	12.0880

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0219	0.0040	0.0154	0.0246	0.0243	0.0078	-	-	0.0980
15 mph	0.0193	0.0035	0.0134	0.0214	0.0215	0.0068	-	-	0.0858
20 mph	0.0173	0.0031	0.0120	0.0191	0.0198	0.0062	0.1110	0.0134	0.2019
25 mph	0.0313	0.0055	0.0216	0.0345	0.0365	0.0114	0.1759	0.0215	0.3383
30 mph	0.0579	0.0102	0.0396	0.0637	0.0690	0.0212	0.2764	0.0346	0.5725
35 mph	0.1223	0.0215	0.0833	0.1345	0.1493	0.0452	0.2581	0.0329	0.8472
40 mph	0.1297	0.0228	0.0883	0.1429	0.1610	0.0483	0.2266	0.0291	0.8487
45 mph	0.1006	0.0178	0.0687	0.1112	0.1265	0.0375	0.1588	0.0206	0.6417
50 mph	0.1118	0.0201	0.0766	0.1245	0.1425	0.0417	0.0785	0.0102	0.6061
55 mph	0.0630	0.0115	0.0436	0.0709	0.0811	0.0236	0.0400	0.0052	0.3389
60 mph	0.0394	0.0074	0.0275	0.0447	0.0504	0.0147	2.8970	0.3759	3.4570
65 mph	0.0137	0.0026	0.0096	0.0158	0.0177	0.0051	-	-	0.0646
70 mph	0.6513	0.1364	0.4520	0.7723	0.9151	0.2393	-	-	3.1663
total	1.3795	0.2665	0.9517	1.5800	1.8147	0.5089	4.2224	0.5434	11.2670

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1243	0.0373	0.1036	0.0125	0.2777
15 mph	0.2914	0.0526	0.2034	0.0719	0.0626	0.0200	0.0561	0.0068	0.7647
25 mph	-	-	-	-	0.1012	0.0315	0.2014	0.0247	0.3588
35 mph	0.8852	0.1554	0.6029	0.1988	-	-	-	-	1.8423
total	1.1767	0.2080	0.8062	0.2707	0.2881	0.0888	0.3611	0.0439	3.2435

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1243	0.0373	0.1036	0.0125	0.2777
10 mph	0.2864	0.0528	0.2018	0.1668	0.1378	0.0442	0.1148	0.0139	1.0184
15 mph	0.4038	0.0729	0.2818	0.1428	0.1240	0.0396	0.0901	0.0108	1.1658
20 mph	0.1843	0.0329	0.1278	0.1075	0.0936	0.0294	0.1726	0.0208	0.7690
25 mph	0.7894	0.1392	0.5431	0.4339	0.4786	0.1488	0.6840	0.0838	3.3008
30 mph	0.8286	0.1454	0.5668	0.4690	0.4229	0.1299	0.5319	0.0665	3.1610
35 mph	1.5993	0.2807	1.0892	0.6448	0.4278	0.1296	0.3655	0.0466	4.5835
40 mph	0.3178	0.0560	0.2164	0.2422	0.2511	0.0753	0.3409	0.0437	1.5434
45 mph	0.2526	0.0448	0.1724	0.1917	0.2002	0.0594	0.2469	0.0321	1.2001
50 mph	0.2621	0.0471	0.1795	0.2046	0.2163	0.0634	0.2201	0.0287	1.2218
55 mph	0.1848	0.0339	0.1280	0.1365	0.1416	0.0412	0.0732	0.0095	0.7487
60 mph	0.2933	0.0549	0.2050	0.1828	0.1759	0.0512	2.9314	0.3803	4.2749
65 mph	0.0469	0.0090	0.0330	0.0340	0.0343	0.0099	-	-	0.1671
70 mph	0.6513	0.1364	0.4520	0.7723	0.9151	0.2393	-	-	3.1663
total	6.1005	1.1059	4.1968	3.7289	3.7436	1.0985	5.8750	0.7493	26.5985

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0055	0.0001	0.0030	0.0036	0.4715	0.3126	11.0511	42.6600	54.5071
15 mph	0.0016	0.0000	0.0008	0.0010	0.1584	0.1059	2.5886	9.9141	12.7704
20 mph	0.0024	0.0000	0.0011	0.0014	0.3084	0.2031	4.1141	14.0205	18.6511
25 mph	0.0101	0.0002	0.0042	0.0058	1.5219	0.9968	17.6462	64.2302	84.4154
30 mph	0.0101	0.0002	0.0039	0.0057	1.7475	1.1325	11.9872	43.6428	58.5299
35 mph	0.0077	0.0002	0.0028	0.0044	1.5387	0.9812	3.9391	14.3626	20.8367
40 mph	0.0025	0.0001	0.0008	0.0014	0.5437	0.3435	3.1687	11.6356	15.6962
45 mph	0.0020	0.0001	0.0006	0.0011	0.4718	0.2972	1.9006	7.0467	9.7202
50 mph	0.0020	0.0001	0.0006	0.0011	0.4990	0.3134	2.6038	9.6177	13.0377
55 mph	0.0016	0.0001	0.0005	0.0008	0.4050	0.2555	0.6139	2.3541	3.6314
60 mph	0.0032	0.0001	0.0009	0.0017	0.8239	0.5193	0.7523	2.8266	4.9280
65 mph	0.0004	0.0000	0.0001	0.0002	0.1159	0.0724	-	-	0.1890
70 mph	-	-	-	-	-	-	-	-	-
total	0.0490	0.0012	0.0193	0.0282	8.6057	5.5334	60.3656	222.3108	296.9132

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0005	0.0000	0.0002	0.0006	0.1011	0.0670	-	-	0.1694
15 mph	0.0003	0.0000	0.0002	0.0004	0.0849	0.0568	-	-	0.1426
20 mph	0.0002	0.0000	0.0001	0.0003	0.0827	0.0545	7.4167	25.2755	32.8300
25 mph	0.0004	0.0000	0.0002	0.0005	0.1632	0.1069	10.1219	36.8426	47.2357
30 mph	0.0008	0.0000	0.0003	0.0009	0.3407	0.2208	12.9660	47.2063	60.7357
35 mph	0.0016	0.0000	0.0006	0.0019	0.8249	0.5260	9.4683	34.5230	45.3463
40 mph	0.0017	0.0000	0.0006	0.0020	0.9715	0.6139	6.2836	23.0737	30.9470
45 mph	0.0013	0.0000	0.0004	0.0015	0.8094	0.5098	3.4263	12.7035	17.4524
50 mph	0.0015	0.0000	0.0005	0.0017	0.9631	0.6049	1.4443	5.3349	8.3509
55 mph	0.0008	0.0000	0.0002	0.0009	0.5428	0.3424	0.7378	2.8293	4.4542
60 mph	0.0005	0.0000	0.0001	0.0005	0.3313	0.2088	63.2923	237.7985	301.6320
65 mph	0.0002	0.0000	0.0000	0.0002	0.1243	0.0776	-	-	0.2022
70 mph	0.0080	0.0003	0.0023	0.0104	10.6034	6.0687	-	-	16.6932
total	0.0178	0.0005	0.0058	0.0219	15.9432	9.4581	115.1572	425.5873	566.1917

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.6361	2.5026	7.1418	12.6197	25.9003
15 mph	0.0050	0.0001	0.0025	0.0015	0.2478	0.1656	4.2742	16.3698	21.0665
25 mph	-	-	-	-	0.4520	0.2961	11.5911	42.1903	54.5295
35 mph	0.0115	0.0003	0.0042	0.0028	-	-	-	-	0.0188
total	0.0165	0.0004	0.0067	0.0042	4.3359	2.9643	23.0072	71.1799	101.5151

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.6361	2.5026	7.1418	12.6197	25.9003
10 mph	0.0059	0.0001	0.0032	0.0042	0.5726	0.3796	11.0511	42.6600	54.6766
15 mph	0.0070	0.0001	0.0035	0.0029	0.4911	0.3282	6.8628	26.2839	33.9795
20 mph	0.0026	0.0000	0.0012	0.0017	0.3911	0.2576	11.5308	39.2959	51.4810
25 mph	0.0106	0.0002	0.0044	0.0063	2.1371	1.3997	39.3592	143.2631	186.1806
30 mph	0.0109	0.0003	0.0042	0.0066	2.0881	1.3533	24.9533	90.8490	119.2656
35 mph	0.0208	0.0006	0.0076	0.0090	2.3636	1.5073	13.4074	48.8855	66.2018
40 mph	0.0041	0.0001	0.0014	0.0034	1.5152	0.9574	9.4522	34.7094	46.6432
45 mph	0.0033	0.0001	0.0011	0.0026	1.2813	0.8070	5.3269	19.7503	27.1726
50 mph	0.0035	0.0001	0.0011	0.0027	1.4621	0.9183	4.0481	14.9526	21.3886
55 mph	0.0024	0.0001	0.0007	0.0017	0.9477	0.5979	1.3516	5.1834	8.0856
60 mph	0.0037	0.0001	0.0010	0.0022	1.1551	0.7281	64.0446	240.6251	306.5600
65 mph	0.0006	0.0000	0.0002	0.0004	0.2402	0.1499	-	-	0.3912
70 mph	0.0080	0.0003	0.0023	0.0104	10.6034	6.0687	-	-	16.6932
total	0.0833	0.0021	0.0318	0.0543	28.8848	17.9558	198.5299	719.0781	964.6200

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.7479	0.7479
15 mph								0.1849	0.1849
20 mph								0.2883	0.2883
25 mph								1.3536	1.3536
30 mph								1.1047	1.1047
35 mph								0.4562	0.4562
40 mph								0.4728	0.4728
45 mph								0.3578	0.3578
50 mph								0.5570	0.5570
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.5233	5.5233

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.5197	0.5197
25 mph								0.7764	0.7764
30 mph								1.1949	1.1949
35 mph								1.0964	1.0964
40 mph								0.9376	0.9376
45 mph								0.6451	0.6451
50 mph								0.3090	0.3090
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.5875	3.5875

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.9044	0.9044
15 mph								0.3054	0.3054
25 mph								0.8891	0.8891
35 mph								-	-
total	-	-	-	-	-	-	-	2.0989	2.0989

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.9044	0.9044
10 mph								0.7479	0.7479
15 mph								0.4903	0.4903
20 mph								0.8080	0.8080
25 mph								3.0192	3.0192
30 mph								2.2997	2.2997
35 mph								1.5526	1.5526
40 mph								1.4104	1.4104
45 mph								1.0029	1.0029
50 mph								0.8660	0.8660
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	13.1014	13.1014

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.7604	2.5400	7.2454	13.5366	27.0824
10 mph	0.2924	0.0528	0.2051	0.1710	0.7103	0.4238	11.1658	43.4218	56.4429
15 mph	0.4108	0.0730	0.2853	0.1457	0.6152	0.3678	6.9529	26.7851	35.6357
20 mph	0.1870	0.0329	0.1290	0.1092	0.4847	0.2870	11.7035	40.1248	53.0580
25 mph	0.8000	0.1395	0.5475	0.4402	2.6157	1.5485	40.0432	146.3661	192.5006
30 mph	0.8394	0.1457	0.5710	0.4756	2.5110	1.4832	25.4851	93.2152	124.7263
35 mph	1.6200	0.2813	1.0967	0.6538	2.7914	1.6369	13.7729	50.4847	72.3378
40 mph	0.3220	0.0561	0.2179	0.2455	1.7663	1.0327	9.7932	36.1635	49.5971
45 mph	0.2559	0.0449	0.1735	0.1943	1.4814	0.8665	5.5739	20.7852	29.3756
50 mph	0.2655	0.0472	0.1806	0.2074	1.6784	0.9817	4.2682	15.8474	23.4764
55 mph	0.1872	0.0340	0.1287	0.1382	1.0893	0.6391	1.4249	5.1929	8.8344
60 mph	0.2970	0.0550	0.2061	0.1850	1.3310	0.7793	66.9760	241.0055	310.8349
65 mph	0.0474	0.0090	0.0331	0.0344	0.2745	0.1599	-	-	0.5583
70 mph	0.6593	0.1366	0.4543	0.7827	11.5185	6.3080	-	-	19.8595
STREX	0.7000	0.0681	0.3497	0.9026	0.5601	0.1718	8.2826	16.9455	27.9804
total	6.8839	1.1760	4.5784	4.6858	33.1884	19.2261	212.6875	749.8743	**1,032.3004**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1391	0.1778	0.1851	0.2193	0.4070	0.4201	0.3314	0.2132
Diesel	-	-	-	-	-	-	2.1534	2.4516
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.7000	0.0681	0.3497	0.9026	0.5601	0.1718	0.2188	0.0011
Diesel	-	-	-	-	-	-	8.0638	16.9445
Electric/NG	-	-	-	-	-	-	-	-
Total	0.7000	0.0681	0.3497	0.9026	0.5601	0.1718	8.2826	16.9455

World Logistics Center
Mobile Emissions - 2029 (Net) - Mitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					154.6476	154.8608	387.0468	276.3839
10 mph	0.8244	1.3327	1.1089	1.2006	0.7437	0.5036	1.0082	50.1332
15 mph	0.7516	1.1975	1.0066	1.0873	0.6137	0.4404	0.9152	45.2568
20 mph	0.6878	1.0867	0.9188	0.9914	0.5326	0.3931	0.8401	41.2210
25 mph	0.6300	0.9878	0.8389	0.9051	0.4652	0.3514	0.7588	37.6264
30 mph	0.5787	0.9030	0.7685	0.8299	0.4163	0.3174	0.6853	34.4851
35 mph	0.5333	0.8310	0.7065	0.7645	0.3828	0.2908	0.6249	31.7788
40 mph	0.4945	0.7709	0.5885	0.7091	0.3611	0.2714	0.5818	29.5127
45 mph	0.4612	0.7196	0.6109	0.6618	0.3472	0.2556	0.5381	27.4882
50 mph	0.4300	0.6755	0.5698	0.6188	0.3412	0.2426	0.5042	25.7166
55 mph	0.4002	0.6337	0.5314	0.5784	0.3476	0.2359	0.4794	24.2047
60 mph	0.3671	0.5871	0.4887	0.5337	0.3621	0.2325	0.4552	22.8466
65 mph	0.3395	0.5511	0.4533	0.4972	0.4011	0.2387		
70 mph	0.3291	0.5704	0.4379	0.4881	0.4043	0.2059		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	21.3895	34.9538
10 mph	2.1710	2.4171	1.8798	2.3580	2.2994	2.3313	0.4857	1.3724
15 mph	1.0664	1.4819	0.9196	1.1522	1.1684	1.1810	0.2630	0.7341
20 mph	0.4235	0.9218	0.3594	0.4522	0.5209	0.5220	0.1757	0.4504
25 mph	0.2584	0.7067	0.2166	0.2742	0.3415	0.3404	0.1343	0.3596
30 mph	0.1969	0.5974	0.1640	0.2088	0.2731	0.2709	0.1030	0.2759
35 mph	0.1581	0.5327	0.1307	0.1677	0.2337	0.2299	0.0777	0.2081
40 mph	0.1318	0.5030	0.1081	0.1392	0.2088	0.2039	0.0582	0.1564
45 mph	0.1134	0.5008	0.0920	0.1188	0.1938	0.1881	0.0447	0.1203
50 mph	0.1004	0.5245	0.0800	0.1041	0.1899	0.1829	0.0370	0.0992
55 mph	0.0909	0.5825	0.0709	0.0929	0.1908	0.1830	0.0353	0.0959
60 mph	0.0888	0.6820	0.0676	0.0892	0.2061	0.1964	0.0394	0.1062
65 mph	0.0921	0.8378	0.0685	0.0919	0.2552	0.2402		
70 mph	0.0960	0.9468	0.0701	0.0990	0.4582	0.3995		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								33.3999
10 mph								35.2046
15 mph								24.7876
20 mph								17.9280
25 mph								13.1411
30 mph								9.6879
35 mph								7.1433
40 mph								5.2681
45 mph								3.8865
50 mph								2.8688
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	5.8589	0.7204	2.9581	2.0305	0.5648	0.1137	0.3844	0.1435	12.7742
15 mph	2.1367	0.2589	1.0740	0.7355	0.1864	0.0398	0.1163	0.0432	4.5909
20 mph	3.9106	0.4700	1.9607	1.3413	0.3236	0.0710	0.2135	0.0787	8.3694
25 mph	17.9099	2.1358	8.9508	6.1227	1.4134	0.3173	1.0607	0.3950	38.3057
30 mph	18.0959	2.1478	9.0197	6.1755	1.3913	0.3153	0.8709	0.3291	38.3454
35 mph	13.6442	1.6171	6.7851	4.6545	1.0467	0.2363	0.3574	0.1365	28.4779
40 mph	4.2170	0.5000	1.8839	1.4392	0.3291	0.0735	0.3697	0.1408	8.9533
45 mph	3.2778	0.3890	1.6297	1.1193	0.2637	0.0577	0.2735	0.1049	7.1156
50 mph	3.0563	0.3652	1.5200	1.0465	0.2591	0.0548	0.4165	0.1595	6.8779
55 mph	2.2753	0.2740	1.1341	0.7826	0.2112	0.0426	0.0914	0.0346	4.8459
60 mph	4.1742	0.5078	2.0859	1.4443	0.4401	0.0840	0.0868	0.0327	8.8556
65 mph	0.4826	0.0596	0.2419	0.1682	0.0609	0.0108	-	-	1.0239
70 mph	-	-	-	-	-	-	-	-	-
total	79.0395	9.4455	39.2440	27.0602	6.4904	1.4166	4.2410	1.5986	168.5358

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.4846	0.0596	0.2446	0.3507	0.1211	0.0244	-	-	1.2850
15 mph	0.4418	0.0535	0.2221	0.3176	0.0999	0.0213	-	-	1.1563
20 mph	0.4043	0.0486	0.2027	0.2896	0.0867	0.0190	0.3849	0.1418	1.5777
25 mph	0.7406	0.0883	0.3701	0.5288	0.1515	0.0340	0.6084	0.2266	2.7484
30 mph	1.3606	0.1615	0.6782	0.9697	0.2712	0.0615	0.9420	0.3560	4.8006
35 mph	2.8211	0.3344	1.4029	2.0099	0.5611	0.1267	0.8590	0.3280	8.4432
40 mph	2.9064	0.3446	1.2984	2.0716	0.5881	0.1314	0.7331	0.2793	8.3529
45 mph	2.1687	0.2574	1.0783	1.5467	0.4523	0.0990	0.4931	0.1892	6.2846
50 mph	2.2750	0.2718	1.1314	1.6269	0.5001	0.1057	0.2310	0.0885	6.2304
55 mph	1.1761	0.1417	0.5862	0.8449	0.2830	0.0571	0.1098	0.0416	3.2405
60 mph	0.6473	0.0787	0.3235	0.4677	0.1769	0.0338	7.2993	2.7514	11.7787
65 mph	0.1996	0.0246	0.1000	0.1453	0.0653	0.0116	-	-	0.5464
70 mph	8.8972	1.1731	4.4437	6.5596	3.0291	0.4585	-	-	24.5612
total	24.5234	3.0378	12.0821	17.7291	6.3866	1.1838	11.6607	4.4024	81.0059

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	14.6340	4.3549	16.6604	0.1260	35.7753
15 mph	6.6871	0.8103	3.3613	1.0684	0.2916	0.0622	0.1920	0.0713	12.5442
25 mph	-	-	-	-	0.4198	0.0942	0.6968	0.2595	1.4702
35 mph	20.4140	2.4194	10.1517	2.9702	-	-	-	-	35.9553
total	27.1011	3.2298	13.5130	4.0386	15.3454	4.5113	17.5492	0.4568	85.7451

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	14.6340	4.3549	16.6604	0.1260	35.7753
10 mph	6.3434	0.7800	3.2027	2.3813	0.6859	0.1380	0.3844	0.1435	14.0593
15 mph	9.2656	1.1228	4.6574	2.1215	0.5779	0.1233	0.3083	0.1145	18.2914
20 mph	4.3149	0.5186	2.1634	1.6309	0.4104	0.0900	0.5984	0.2205	9.9471
25 mph	18.6505	2.2241	9.3210	6.6515	1.9847	0.4456	2.3659	0.8810	42.5244
30 mph	19.4565	2.3092	9.6979	7.1452	1.6626	0.3767	1.8129	0.6851	43.1460
35 mph	36.8794	4.3709	18.3398	9.6346	1.6079	0.3630	1.2164	0.4645	72.8764
40 mph	7.1235	0.8447	3.1823	3.5108	0.9172	0.2049	1.1028	0.4201	17.3062
45 mph	5.4465	0.6464	2.7080	2.6659	0.7160	0.1567	0.7666	0.2941	13.4002
50 mph	5.3313	0.6370	2.6514	2.6735	0.7593	0.1604	0.6475	0.2480	13.1084
55 mph	3.4515	0.4157	1.7204	1.6274	0.4942	0.0997	0.2012	0.0763	8.0863
60 mph	4.8214	0.5865	2.4094	1.9120	0.6170	0.1177	7.3861	2.7841	20.6343
65 mph	0.6822	0.0842	0.3419	0.3134	0.1263	0.0223	-	-	1.5703
70 mph	8.8972	1.1731	4.4437	6.5596	3.0291	0.4585	-	-	24.5612
total	130.6640	15.7131	64.8392	48.8278	28.2224	7.1117	33.4509	6.4578	335.2869

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1690	0.0003	0.0444	0.1198	1.5986	1.1043	1.0500	5.4769	9.5633
15 mph	0.0332	0.0001	0.0087	0.0234	0.3249	0.2238	0.1895	0.9765	1.7801
20 mph	0.0264	0.0001	0.0068	0.0184	0.2897	0.1978	0.2532	1.1983	1.9907
25 mph	0.0804	0.0003	0.0205	0.0557	0.9496	0.6450	1.0645	5.2625	8.0784
30 mph	0.0674	0.0003	0.0170	0.0467	0.8355	0.5647	0.7426	3.6702	5.9444
35 mph	0.0443	0.0002	0.0111	0.0307	0.5850	0.3921	0.2520	1.2457	2.5611
40 mph	0.0123	0.0001	0.0031	0.0085	0.1742	0.1159	0.2098	1.0404	1.5642
45 mph	0.0088	0.0001	0.0022	0.0060	0.1347	0.0891	0.1287	0.6400	1.0097
50 mph	0.0078	0.0001	0.0019	0.0053	0.1320	0.0867	0.1734	0.8581	1.2652
55 mph	0.0057	0.0000	0.0013	0.0038	0.1061	0.0694	0.0381	0.1913	0.4157
60 mph	0.0111	0.0001	0.0026	0.0072	0.2293	0.1489	0.0426	0.2120	0.6537
65 mph	0.0014	0.0000	0.0003	0.0009	0.0355	0.0228	-	-	0.0609
70 mph	-	-	-	-	-	-	-	-	-
total	0.4678	0.0015	0.1198	0.3263	5.3951	3.6604	4.1445	20.7719	34.8873

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0140	0.0000	0.0037	0.0207	0.3428	0.2368	-	-	0.6180
15 mph	0.0069	0.0000	0.0018	0.0101	0.1742	0.1200	-	-	0.3129
20 mph	0.0027	0.0000	0.0007	0.0040	0.0777	0.0530	0.4565	2.1603	2.7549
25 mph	0.0033	0.0000	0.0008	0.0048	0.1018	0.0692	0.6106	3.0186	3.8091
30 mph	0.0051	0.0000	0.0013	0.0073	0.1629	0.1101	0.8032	3.9699	5.0597
35 mph	0.0092	0.0000	0.0023	0.0132	0.3136	0.2102	0.6056	2.9943	4.1485
40 mph	0.0085	0.0000	0.0021	0.0122	0.3113	0.2071	0.4160	2.0631	3.0204
45 mph	0.0058	0.0000	0.0014	0.0083	0.2311	0.1528	0.2321	1.1538	1.7855
50 mph	0.0058	0.0000	0.0014	0.0082	0.2548	0.1672	0.0962	0.4760	1.0096
55 mph	0.0029	0.0000	0.0007	0.0041	0.1422	0.0930	0.0458	0.2299	0.5186
60 mph	0.0017	0.0000	0.0004	0.0023	0.0922	0.0599	3.5854	17.8328	21.5747
65 mph	0.0006	0.0000	0.0001	0.0008	0.0380	0.0244	-	-	0.0640
70 mph	0.0284	0.0004	0.0063	0.0400	3.1424	1.8665	-	-	5.0840
total	0.0949	0.0007	0.0231	0.1361	5.3850	3.3702	6.8514	33.8986	49.7600

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.2781	1.5522	5.2216	15.7497	24.8016
15 mph	0.1039	0.0002	0.0272	0.0340	0.5081	0.3500	0.3130	1.6124	2.9487
25 mph	-	-	-	-	0.2820	0.1916	0.6992	3.4567	4.6295
35 mph	0.0663	0.0003	0.0166	0.0196	-	-	-	-	0.1028
total	0.1702	0.0005	0.0438	0.0536	3.0683	2.0937	6.2337	20.8188	32.4826

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.2781	1.5522	5.2216	15.7497	24.8016
10 mph	0.1829	0.0003	0.0480	0.1405	1.9414	1.3411	1.0500	5.4769	10.1812
15 mph	0.1440	0.0003	0.0376	0.0675	1.0072	0.6937	0.5025	2.5890	5.0418
20 mph	0.0291	0.0001	0.0075	0.0223	0.3674	0.2509	0.7098	3.3586	4.7456
25 mph	0.0838	0.0003	0.0213	0.0605	1.3335	0.9057	2.3742	11.7377	16.5170
30 mph	0.0725	0.0003	0.0183	0.0540	0.9984	0.6748	1.5458	7.6401	11.0041
35 mph	0.1197	0.0005	0.0300	0.0635	0.8986	0.6023	0.8576	4.2401	6.8123
40 mph	0.0208	0.0001	0.0052	0.0207	0.4855	0.3230	0.6258	3.1035	4.5846
45 mph	0.0147	0.0001	0.0036	0.0144	0.3659	0.2419	0.3608	1.7938	2.7952
50 mph	0.0136	0.0001	0.0033	0.0135	0.3868	0.2539	0.2696	1.3340	2.2748
55 mph	0.0086	0.0001	0.0020	0.0079	0.2483	0.1623	0.0839	0.4211	0.9343
60 mph	0.0128	0.0001	0.0029	0.0096	0.3214	0.2088	3.6280	18.0448	22.2284
65 mph	0.0020	0.0000	0.0005	0.0017	0.0735	0.0472	-	-	0.1249
70 mph	0.0284	0.0004	0.0063	0.0400	3.1424	1.8665	-	-	5.0840
total	0.7329	0.0027	0.1866	0.5160	13.8484	9.1243	17.2297	75.4893	117.1299

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								8.7069	8.7069
15 mph								2.0435	2.0435
20 mph								2.9560	2.9560
25 mph								11.9170	11.9170
30 mph								7.9868	7.9868
35 mph								2.6500	2.6500
40 mph								2.1715	2.1715
45 mph								1.2816	1.2816
50 mph								1.5373	1.5373
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	41.2507	41.2507

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								5.3289	5.3289
25 mph								6.8356	6.8356
30 mph								8.6390	8.6390
35 mph								6.3698	6.3698
40 mph								4.3062	4.3062
45 mph								2.3105	2.3105
50 mph								0.8527	0.8527
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	27.1733	27.1733

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.9327	0.9327
15 mph								3.3742	3.3742
25 mph								7.8278	7.8278
35 mph								-	-
total	-	-	-	-	-	-	-	12.1347	12.1347

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.9327	0.9327
10 mph								8.7069	8.7069
15 mph								5.4177	5.4177
20 mph								8.2849	8.2849
25 mph								26.5805	26.5805
30 mph								16.6258	16.6258
35 mph								9.0198	9.0198
40 mph								6.4778	6.4778
45 mph								3.5921	3.5921
50 mph								2.3900	2.3900
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	88.0282	88.0282

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	16.9121	5.9071	21.8820	16.8083	61.5096
10 mph	6.5264	0.7803	3.2508	2.5217	2.6273	1.4792	1.4344	14.3274	32.9474
15 mph	9.4096	1.1231	4.6951	2.1890	1.5852	0.8169	0.8108	8.1212	28.7509
20 mph	4.3440	0.5186	2.1709	1.6533	0.7778	0.3409	1.3082	11.8640	22.9777
25 mph	18.7342	2.2245	9.3423	6.7121	3.3182	1.3513	4.7402	39.1992	85.6219
30 mph	19.5290	2.3095	9.7162	7.1992	2.6609	1.0515	3.3587	24.9510	70.7760
35 mph	36.9991	4.3714	18.3698	9.6981	2.5064	0.9653	2.0740	13.7244	88.7086
40 mph	7.1443	0.8448	3.1875	3.5315	1.4027	0.5279	1.7286	10.0014	28.3687
45 mph	5.4612	0.6464	2.7116	2.6803	1.0819	0.3986	1.1274	5.6800	19.7874
50 mph	5.3450	0.6371	2.6547	2.6870	1.1460	0.4143	0.9171	3.9721	17.7732
55 mph	3.4600	0.4158	1.7224	1.6353	0.7426	0.2620	0.2852	0.4974	9.0206
60 mph	4.8342	0.5867	2.4123	1.9216	0.9385	0.3265	11.0141	20.8289	42.8628
65 mph	0.6842	0.0842	0.3423	0.3152	0.1998	0.0695	-	-	1.6952
70 mph	8.9256	1.1735	4.4499	6.5996	6.1715	2.3250	-	-	29.6452
STREX	8.8750	0.7127	4.2351	10.0686	2.0977	0.6059	2.2882	0.0253	28.9087
total	140.2719	16.4285	69.2609	59.4124	44.1686	16.8420	52.9688	170.0007	**569.3537**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.7634	1.8617	2.2419	2.4457	1.5246	1.4819	3.4655	5.1077
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	8.8750	0.7127	4.2351	10.0686	2.0977	0.6059	2.2882	0.0253
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	8.8750	0.7127	4.2351	10.0686	2.0977	0.6059	2.2882	0.0253

World Logistics Center
Mobile Emissions - 2029 (Net) - Mitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0528	0.0528	0.1334	0.2078
10 mph	0.0043	0.0051	0.0052	0.0064	0.0139	0.0160	0.0286	0.0338
15 mph	0.0035	0.0041	0.0043	0.0052	0.0113	0.0130	0.0234	0.0277
20 mph	0.0029	0.0035	0.0035	0.0044	0.0094	0.0108	0.0194	0.0231
25 mph	0.0025	0.0030	0.0030	0.0037	0.0081	0.0093	0.0166	0.0198
30 mph	0.0022	0.0026	0.0027	0.0033	0.0071	0.0082	0.0148	0.0176
35 mph	0.0021	0.0024	0.0025	0.0031	0.0066	0.0076	0.0137	0.0163
40 mph	0.0020	0.0024	0.0024	0.0030	0.0064	0.0074	0.0133	0.0157
45 mph	0.0020	0.0024	0.0024	0.0030	0.0064	0.0074	0.0133	0.0157
50 mph	0.0021	0.0024	0.0025	0.0031	0.0066	0.0076	0.0137	0.0162
55 mph	0.0022	0.0025	0.0026	0.0032	0.0069	0.0079	0.0142	0.0168
60 mph	0.0022	0.0026	0.0027	0.0033	0.0072	0.0083	0.0148	0.0174
65 mph	0.0023	0.0027	0.0028	0.0034	0.0074	0.0085		
70 mph	0.0023	0.0027	0.0028	0.0035	0.0075	0.0086		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0330	0.0533	0.0552	0.0499
10 mph	0.0035	0.0075	0.0047	0.0058	0.0086	0.0096	0.0167	0.0266
15 mph	0.0029	0.0062	0.0039	0.0049	0.0056	0.0064	0.0131	0.0197
20 mph	0.0023	0.0051	0.0032	0.0041	0.0048	0.0054	0.0112	0.0165
25 mph	0.0020	0.0043	0.0027	0.0035	0.0042	0.0048	0.0098	0.0140
30 mph	0.0017	0.0037	0.0023	0.0030	0.0038	0.0044	0.0086	0.0122
35 mph	0.0015	0.0033	0.0021	0.0027	0.0038	0.0044	0.0077	0.0111
40 mph	0.0014	0.0031	0.0019	0.0026	0.0037	0.0042	0.0070	0.0102
45 mph	0.0014	0.0030	0.0019	0.0025	0.0036	0.0041	0.0067	0.0096
50 mph	0.0014	0.0030	0.0019	0.0025	0.0038	0.0042	0.0066	0.0093
55 mph	0.0015	0.0031	0.0020	0.0026	0.0040	0.0044	0.0068	0.0097
60 mph	0.0016	0.0033	0.0021	0.0028	0.0040	0.0044	0.0072	0.0103
65 mph	0.0018	0.0037	0.0024	0.0032	0.0041	0.0044		
70 mph	0.0019	0.0039	0.0026	0.0035	0.0042	0.0045		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0308	0.0027	0.0139	0.0109	0.0105	0.0036	0.0109	0.0001	0.0835
15 mph	0.0101	0.0009	0.0045	0.0035	0.0034	0.0012	0.0030	0.0000	0.0267
20 mph	0.0168	0.0015	0.0076	0.0059	0.0057	0.0020	0.0049	0.0000	0.0444
25 mph	0.0716	0.0064	0.0323	0.0253	0.0245	0.0084	0.0233	0.0002	0.1919
30 mph	0.0699	0.0062	0.0316	0.0247	0.0239	0.0082	0.0188	0.0002	0.1835
35 mph	0.0531	0.0047	0.0240	0.0188	0.0181	0.0062	0.0078	0.0001	0.1328
40 mph	0.0171	0.0015	0.0077	0.0061	0.0059	0.0020	0.0084	0.0001	0.0488
45 mph	0.0144	0.0013	0.0065	0.0051	0.0049	0.0017	0.0068	0.0001	0.0406
50 mph	0.0148	0.0013	0.0067	0.0052	0.0050	0.0017	0.0113	0.0001	0.0462
55 mph	0.0123	0.0011	0.0055	0.0044	0.0042	0.0014	0.0027	0.0000	0.0317
60 mph	0.0253	0.0023	0.0115	0.0090	0.0087	0.0030	0.0028	0.0000	0.0626
65 mph	0.0032	0.0003	0.0015	0.0012	0.0011	0.0004	-	-	0.0077
70 mph	-	-	-	-	-	-	-	-	-
total	0.3395	0.0302	0.1533	0.1200	0.1160	0.0397	0.1008	0.0009	0.9003

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0025	0.0002	0.0012	0.0019	0.0023	0.0008	-	-	0.0088
15 mph	0.0021	0.0002	0.0009	0.0015	0.0018	0.0006	-	-	0.0072
20 mph	0.0017	0.0002	0.0008	0.0013	0.0015	0.0005	0.0089	0.0001	0.0150
25 mph	0.0030	0.0003	0.0013	0.0022	0.0026	0.0009	0.0133	0.0001	0.0237
30 mph	0.0053	0.0005	0.0024	0.0039	0.0047	0.0016	0.0203	0.0002	0.0387
35 mph	0.0110	0.0010	0.0050	0.0081	0.0097	0.0033	0.0188	0.0002	0.0571
40 mph	0.0118	0.0011	0.0053	0.0087	0.0105	0.0036	0.0167	0.0001	0.0578
45 mph	0.0095	0.0008	0.0043	0.0070	0.0084	0.0029	0.0122	0.0001	0.0452
50 mph	0.0110	0.0010	0.0050	0.0081	0.0097	0.0033	0.0063	0.0001	0.0445
55 mph	0.0064	0.0006	0.0029	0.0047	0.0056	0.0019	0.0033	0.0000	0.0253
60 mph	0.0039	0.0003	0.0018	0.0029	0.0035	0.0012	0.2376	0.0021	0.2534
65 mph	0.0013	0.0001	0.0006	0.0010	0.0012	0.0004	-	-	0.0047
70 mph	0.0625	0.0056	0.0282	0.0470	0.0563	0.0192	-	-	0.2187
total	0.1320	0.0118	0.0596	0.0984	0.1178	0.0402	0.3375	0.0030	0.8003

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0050	0.0015	0.0057	0.0001	0.0123
15 mph	0.0315	0.0028	0.0142	0.0052	0.0054	0.0018	0.0049	0.0000	0.0659
25 mph	-	-	-	-	0.0073	0.0025	0.0153	0.0001	0.0252
35 mph	0.0794	0.0071	0.0359	0.0120	-	-	-	-	0.1343
total	0.1109	0.0099	0.0501	0.0171	0.0176	0.0058	0.0259	0.0003	0.2377

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0050	0.0015	0.0057	0.0001	0.0123
10 mph	0.0334	0.0030	0.0151	0.0127	0.0128	0.0044	0.0109	0.0001	0.0923
15 mph	0.0437	0.0039	0.0197	0.0102	0.0107	0.0036	0.0079	0.0001	0.0998
20 mph	0.0185	0.0016	0.0083	0.0072	0.0073	0.0025	0.0138	0.0001	0.0594
25 mph	0.0746	0.0066	0.0337	0.0275	0.0344	0.0118	0.0519	0.0005	0.2408
30 mph	0.0752	0.0067	0.0340	0.0286	0.0286	0.0098	0.0391	0.0003	0.2222
35 mph	0.1435	0.0128	0.0648	0.0389	0.0279	0.0095	0.0267	0.0002	0.3242
40 mph	0.0290	0.0026	0.0131	0.0148	0.0163	0.0056	0.0251	0.0002	0.1067
45 mph	0.0239	0.0021	0.0108	0.0121	0.0133	0.0045	0.0190	0.0002	0.0858
50 mph	0.0258	0.0023	0.0116	0.0134	0.0148	0.0050	0.0176	0.0002	0.0907
55 mph	0.0186	0.0017	0.0084	0.0091	0.0098	0.0034	0.0060	0.0001	0.0570
60 mph	0.0292	0.0026	0.0132	0.0119	0.0122	0.0042	0.2405	0.0021	0.3160
65 mph	0.0046	0.0004	0.0021	0.0022	0.0023	0.0008	-	-	0.0124
70 mph	0.0625	0.0056	0.0282	0.0470	0.0563	0.0192	-	-	0.2187
total	0.5824	0.0519	0.2630	0.2355	0.2515	0.0857	0.4642	0.0042	1.9383

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0003	0.0000	0.0001	0.0003	0.0059	0.0045	0.0361	0.1061	0.1533
15 mph	0.0001	0.0000	0.0000	0.0001	0.0015	0.0012	0.0095	0.0262	0.0386
20 mph	0.0001	0.0000	0.0001	0.0002	0.0026	0.0021	0.0162	0.0438	0.0651
25 mph	0.0006	0.0000	0.0003	0.0007	0.0117	0.0092	0.0776	0.2042	0.3043
30 mph	0.0006	0.0000	0.0002	0.0007	0.0117	0.0091	0.0619	0.1628	0.2470
35 mph	0.0004	0.0000	0.0002	0.0005	0.0096	0.0075	0.0249	0.0666	0.1097
40 mph	0.0001	0.0000	0.0001	0.0002	0.0031	0.0024	0.0254	0.0676	0.0988
45 mph	0.0001	0.0000	0.0000	0.0001	0.0025	0.0019	0.0192	0.0512	0.0751
50 mph	0.0001	0.0000	0.0000	0.0001	0.0027	0.0020	0.0308	0.0808	0.1165
55 mph	0.0001	0.0000	0.0000	0.0001	0.0022	0.0016	0.0073	0.0193	0.0307
60 mph	0.0002	0.0000	0.0001	0.0002	0.0045	0.0033	0.0078	0.0205	0.0366
65 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	-	-	0.0011
70 mph	-	-	-	-	-	-	-	-	-
total	0.0028	0.0000	0.0011	0.0032	0.0588	0.0452	0.3167	0.8490	1.2768

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0001	0.0013	0.0010	-	-	0.0023
15 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	-	-	0.0015
20 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0006	0.0291	0.0790	0.1095
25 mph	0.0000	0.0000	0.0000	0.0001	0.0013	0.0010	0.0445	0.1171	0.1640
30 mph	0.0000	0.0000	0.0000	0.0001	0.0023	0.0018	0.0670	0.1761	0.2473
35 mph	0.0001	0.0000	0.0000	0.0002	0.0052	0.0040	0.0599	0.1602	0.2295
40 mph	0.0001	0.0000	0.0000	0.0002	0.0056	0.0043	0.0503	0.1341	0.1946
45 mph	0.0001	0.0000	0.0000	0.0002	0.0044	0.0033	0.0347	0.0922	0.1348
50 mph	0.0001	0.0000	0.0000	0.0002	0.0051	0.0038	0.0171	0.0448	0.0712
55 mph	0.0000	0.0000	0.0000	0.0001	0.0030	0.0022	0.0088	0.0232	0.0374
60 mph	0.0000	0.0000	0.0000	0.0001	0.0018	0.0013	0.6576	1.7211	2.3820
65 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	-	-	0.0011
70 mph	0.0006	0.0000	0.0002	0.0014	0.0287	0.0210	-	-	0.0519
total	0.0011	0.0000	0.0005	0.0027	0.0606	0.0453	0.9690	2.5477	3.6270

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0029	0.0031	0.0135	0.0225	0.0419
15 mph	0.0003	0.0000	0.0001	0.0001	0.0024	0.0019	0.0156	0.0432	0.0637
25 mph	-	-	-	-	0.0035	0.0027	0.0510	0.1341	0.1913
35 mph	0.0006	0.0000	0.0003	0.0003	-	-	-	-	0.0012
total	0.0009	0.0000	0.0004	0.0005	0.0088	0.0077	0.0801	0.1999	0.2982

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0029	0.0031	0.0135	0.0225	0.0419
10 mph	0.0003	0.0000	0.0001	0.0003	0.0072	0.0055	0.0361	0.1061	0.1556
15 mph	0.0004	0.0000	0.0002	0.0003	0.0048	0.0037	0.0251	0.0694	0.1039
20 mph	0.0002	0.0000	0.0001	0.0002	0.0034	0.0026	0.0453	0.1228	0.1745
25 mph	0.0006	0.0000	0.0003	0.0008	0.0165	0.0129	0.1731	0.4555	0.6595
30 mph	0.0006	0.0000	0.0003	0.0008	0.0140	0.0109	0.1289	0.3388	0.4943
35 mph	0.0012	0.0000	0.0005	0.0010	0.0148	0.0115	0.0848	0.2268	0.3405
40 mph	0.0002	0.0000	0.0001	0.0004	0.0087	0.0067	0.0756	0.2017	0.2934
45 mph	0.0002	0.0000	0.0001	0.0003	0.0069	0.0052	0.0539	0.1434	0.2099
50 mph	0.0002	0.0000	0.0001	0.0003	0.0078	0.0058	0.0479	0.1256	0.1877
55 mph	0.0001	0.0000	0.0001	0.0002	0.0052	0.0039	0.0161	0.0425	0.0681
60 mph	0.0002	0.0000	0.0001	0.0003	0.0063	0.0046	0.6655	1.7415	2.4186
65 mph	0.0000	0.0000	0.0000	0.0001	0.0012	0.0009	-	-	0.0022
70 mph	0.0006	0.0000	0.0002	0.0014	0.0287	0.0210	-	-	0.0519
total	0.0049	0.0000	0.0020	0.0064	0.1282	0.0982	1.3658	3.5966	5.2020

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
15 mph									-	-
25 mph									-	-
35 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0079	0.0046	0.0192	0.0226	0.0543
10 mph	0.0337	0.0030	0.0152	0.0131	0.0200	0.0099	0.0470	0.1062	0.2480
15 mph	0.0441	0.0039	0.0199	0.0105	0.0155	0.0074	0.0330	0.0695	0.2037
20 mph	0.0187	0.0016	0.0084	0.0074	0.0106	0.0051	0.0592	0.1230	0.2339
25 mph	0.0752	0.0066	0.0339	0.0282	0.0508	0.0246	0.2249	0.4559	0.9004
30 mph	0.0758	0.0067	0.0342	0.0294	0.0426	0.0206	0.1680	0.3392	0.7165
35 mph	0.1446	0.0128	0.0653	0.0399	0.0426	0.0210	0.1114	0.2271	0.6647
40 mph	0.0292	0.0026	0.0132	0.0152	0.0250	0.0123	0.1008	0.2019	0.4001
45 mph	0.0240	0.0021	0.0108	0.0124	0.0202	0.0098	0.0729	0.1435	0.2958
50 mph	0.0260	0.0023	0.0117	0.0137	0.0226	0.0109	0.0655	0.1257	0.2784
55 mph	0.0188	0.0017	0.0085	0.0093	0.0150	0.0072	0.0221	0.0425	0.1251
60 mph	0.0295	0.0026	0.0133	0.0122	0.0185	0.0088	0.9059	1.7437	2.7345
65 mph	0.0046	0.0004	0.0021	0.0022	0.0035	0.0017	-	-	0.0145
70 mph	0.0630	0.0056	0.0285	0.0484	0.0850	0.0401	-	-	0.2706
STREX	0.0023	0.0002	0.0011	0.0029	0.0002	0.0001	0.0002	0.0000	0.0071
total	0.5896	0.0521	0.2661	0.2448	0.3799	0.1840	1.8302	3.6008	**7.1474**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0005	0.0005	0.0006	0.0007	0.0002	0.0002	0.0003	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0023	0.0002	0.0011	0.0029	0.0002	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0023	0.0002	0.0011	0.0029	0.0002	0.0001	0.0002	0.0000

World Logistics Center
Mobile Emissions - 2029 (Net) - Mitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0385	0.0363	0.0353	0.0383
10 mph	0.0045	0.0058	0.0048	0.0049	0.0049	0.0046	0.0045	0.0049
15 mph	0.0030	0.0039	0.0032	0.0033	0.0033	0.0031	0.0030	0.0032
20 mph	0.0021	0.0027	0.0022	0.0023	0.0023	0.0021	0.0021	0.0023
25 mph	0.0016	0.0020	0.0017	0.0017	0.0017	0.0016	0.0015	0.0017
30 mph	0.0012	0.0016	0.0013	0.0013	0.0013	0.0012	0.0012	0.0013
35 mph	0.0010	0.0013	0.0011	0.0011	0.0011	0.0010	0.0010	0.0011
40 mph	0.0009	0.0011	0.0009	0.0009	0.0009	0.0009	0.0009	0.0010
45 mph	0.0008	0.0010	0.0008	0.0009	0.0009	0.0008	0.0008	0.0009
50 mph	0.0008	0.0010	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
55 mph	0.0008	0.0010	0.0008	0.0008	0.0009	0.0008	0.0008	0.0009
60 mph	0.0008	0.0011	0.0009	0.0009	0.0009	0.0009	0.0008	0.0009
65 mph	0.0010	0.0012	0.0010	0.0009	0.0010	0.0010		
70 mph	0.0010	0.0013	0.0011	0.0011	0.0011	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7943	0.8040	0.0073	0.0101
10 mph	0.0081	0.1921	0.0092	0.0060	0.0239	0.0320	0.0042	0.0109
15 mph	0.0066	0.1398	0.0079	0.0050	0.0183	0.0258	0.0033	0.0084
20 mph	0.0053	0.1072	0.0067	0.0041	0.0152	0.0215	0.0028	0.0061
25 mph	0.0043	0.0858	0.0057	0.0035	0.0127	0.0181	0.0027	0.0063
30 mph	0.0037	0.0720	0.0050	0.0031	0.0111	0.0158	0.0029	0.0069
35 mph	0.0032	0.0633	0.0045	0.0028	0.0102	0.0143	0.0035	0.0084
40 mph	0.0029	0.0580	0.0041	0.0025	0.0094	0.0132	0.0045	0.0107
45 mph	0.0028	0.0553	0.0039	0.0024	0.0089	0.0124	0.0059	0.0140
50 mph	0.0027	0.0553	0.0036	0.0023	0.0086	0.0118	0.0076	0.0180
55 mph	0.0026	0.0579	0.0034	0.0022	0.0084	0.0114	0.0097	0.0236
60 mph	0.0027	0.0631	0.0034	0.0022	0.0085	0.0115	0.0122	0.0291
65 mph	0.0028	0.0725	0.0034	0.0023	0.0094	0.0123		
70 mph	0.0029	0.0853	0.0035	0.0025	0.0142	0.0157		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0374
10 mph								0.0067
15 mph								0.0055
20 mph								0.0047
25 mph								0.0043
30 mph								0.0039
35 mph								0.0037
40 mph								0.0036
45 mph								0.0036
50 mph								0.0036
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0323	0.0031	0.0128	0.0083	0.0037	0.0010	0.0017	0.0000	0.0630
15 mph	0.0086	0.0008	0.0034	0.0022	0.0010	0.0003	0.0004	0.0000	0.0167
20 mph	0.0120	0.0012	0.0048	0.0031	0.0014	0.0004	0.0005	0.0000	0.0234
25 mph	0.0444	0.0044	0.0177	0.0114	0.0052	0.0014	0.0022	0.0000	0.0867
30 mph	0.0381	0.0038	0.0152	0.0098	0.0044	0.0012	0.0015	0.0000	0.0740
35 mph	0.0256	0.0025	0.0102	0.0066	0.0030	0.0008	0.0006	0.0000	0.0493
40 mph	0.0074	0.0007	0.0029	0.0019	0.0009	0.0002	0.0005	0.0000	0.0146
45 mph	0.0057	0.0006	0.0022	0.0015	0.0007	0.0002	0.0004	0.0000	0.0111
50 mph	0.0055	0.0005	0.0022	0.0014	0.0006	0.0002	0.0006	0.0000	0.0110
55 mph	0.0044	0.0004	0.0018	0.0011	0.0005	0.0001	0.0001	0.0000	0.0086
60 mph	0.0095	0.0009	0.0038	0.0024	0.0011	0.0003	0.0002	0.0000	0.0183
65 mph	0.0014	0.0001	0.0005	0.0003	0.0002	0.0000	-	-	0.0025
70 mph	-	-	-	-	-	-	-	-	-
total	0.1949	0.0192	0.0775	0.0501	0.0226	0.0063	0.0088	0.0001	0.3794

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0027	0.0003	0.0011	0.0014	0.0008	0.0002	-	-	0.0064
15 mph	0.0018	0.0002	0.0007	0.0010	0.0005	0.0001	-	-	0.0043
20 mph	0.0012	0.0001	0.0005	0.0007	0.0004	0.0001	0.0010	0.0000	0.0040
25 mph	0.0018	0.0002	0.0007	0.0010	0.0006	0.0002	0.0012	0.0000	0.0057
30 mph	0.0029	0.0003	0.0011	0.0015	0.0009	0.0002	0.0017	0.0000	0.0086
35 mph	0.0053	0.0005	0.0021	0.0028	0.0016	0.0004	0.0014	0.0000	0.0142
40 mph	0.0051	0.0005	0.0020	0.0027	0.0015	0.0004	0.0011	0.0000	0.0134
45 mph	0.0037	0.0004	0.0015	0.0020	0.0011	0.0003	0.0007	0.0000	0.0098
50 mph	0.0041	0.0004	0.0016	0.0022	0.0012	0.0003	0.0003	0.0000	0.0102
55 mph	0.0023	0.0002	0.0009	0.0012	0.0007	0.0002	0.0002	0.0000	0.0057
60 mph	0.0015	0.0001	0.0006	0.0008	0.0004	0.0001	0.0133	0.0001	0.0170
65 mph	0.0006	0.0001	0.0002	0.0003	0.0002	0.0000	-	-	0.0013
70 mph	0.0281	0.0027	0.0109	0.0147	0.0084	0.0023	-	-	0.0673
total	0.0611	0.0060	0.0240	0.0324	0.0184	0.0050	0.0209	0.0002	0.1678

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0036	0.0010	0.0015	0.0000	0.0062
15 mph	0.0268	0.0026	0.0107	0.0032	0.0015	0.0004	0.0006	0.0000	0.0460
25 mph	-	-	-	-	0.0015	0.0004	0.0014	0.0000	0.0034
35 mph	0.0384	0.0038	0.0152	0.0042	-	-	-	-	0.0616
total	0.0652	0.0064	0.0259	0.0074	0.0067	0.0019	0.0036	0.0000	0.1172

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0036	0.0010	0.0015	0.0000	0.0062
10 mph	0.0350	0.0034	0.0139	0.0097	0.0045	0.0013	0.0017	0.0000	0.0694
15 mph	0.0372	0.0036	0.0148	0.0064	0.0031	0.0009	0.0010	0.0000	0.0669
20 mph	0.0133	0.0013	0.0053	0.0038	0.0018	0.0005	0.0015	0.0000	0.0274
25 mph	0.0463	0.0046	0.0184	0.0124	0.0072	0.0020	0.0048	0.0000	0.0958
30 mph	0.0410	0.0041	0.0163	0.0113	0.0053	0.0015	0.0032	0.0000	0.0826
35 mph	0.0693	0.0069	0.0275	0.0136	0.0046	0.0013	0.0019	0.0000	0.1251
40 mph	0.0125	0.0012	0.0050	0.0046	0.0024	0.0007	0.0016	0.0000	0.0281
45 mph	0.0094	0.0009	0.0037	0.0035	0.0018	0.0005	0.0011	0.0000	0.0209
50 mph	0.0095	0.0009	0.0038	0.0036	0.0019	0.0005	0.0010	0.0000	0.0212
55 mph	0.0067	0.0007	0.0027	0.0024	0.0012	0.0003	0.0003	0.0000	0.0143
60 mph	0.0110	0.0011	0.0044	0.0032	0.0016	0.0004	0.0135	0.0001	0.0353
65 mph	0.0019	0.0002	0.0008	0.0006	0.0003	0.0001	-	-	0.0038
70 mph	0.0281	0.0027	0.0109	0.0147	0.0084	0.0023	-	-	0.0673
total	0.3212	0.0316	0.1274	0.0898	0.0477	0.0132	0.0332	0.0003	0.6644

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0002	0.0003	0.0166	0.0152	0.0090	0.0436	0.0855
15 mph	0.0002	0.0000	0.0001	0.0001	0.0051	0.0049	0.0024	0.0112	0.0240
20 mph	0.0003	0.0000	0.0001	0.0002	0.0085	0.0081	0.0040	0.0161	0.0374
25 mph	0.0013	0.0000	0.0005	0.0007	0.0353	0.0342	0.0212	0.0926	0.1859
30 mph	0.0013	0.0000	0.0005	0.0007	0.0341	0.0330	0.0211	0.0918	0.1824
35 mph	0.0009	0.0000	0.0004	0.0005	0.0255	0.0245	0.0115	0.0500	0.1132
40 mph	0.0003	0.0000	0.0001	0.0002	0.0079	0.0075	0.0163	0.0714	0.1037
45 mph	0.0002	0.0000	0.0001	0.0001	0.0062	0.0059	0.0169	0.0746	0.1040
50 mph	0.0002	0.0000	0.0001	0.0001	0.0060	0.0056	0.0356	0.1556	0.2032
55 mph	0.0002	0.0000	0.0001	0.0001	0.0047	0.0043	0.0105	0.0471	0.0669
60 mph	0.0003	0.0000	0.0001	0.0002	0.0094	0.0087	0.0132	0.0581	0.0900
65 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0012	-	-	0.0026
70 mph	-	-	-	-	-	-	-	-	-
total	0.0059	0.0002	0.0024	0.0032	0.1604	0.1531	0.1616	0.7121	1.1989

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0001	0.0036	0.0033	-	-	0.0069
15 mph	0.0000	0.0000	0.0000	0.0000	0.0027	0.0026	-	-	0.0055
20 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0022	0.0073	0.0290	0.0409
25 mph	0.0001	0.0000	0.0000	0.0001	0.0038	0.0037	0.0122	0.0531	0.0729
30 mph	0.0001	0.0000	0.0000	0.0001	0.0066	0.0064	0.0228	0.0993	0.1354
35 mph	0.0002	0.0000	0.0001	0.0002	0.0136	0.0131	0.0276	0.1202	0.1750
40 mph	0.0002	0.0000	0.0001	0.0002	0.0141	0.0134	0.0323	0.1417	0.2019
45 mph	0.0001	0.0000	0.0001	0.0002	0.0106	0.0101	0.0305	0.1345	0.1861
50 mph	0.0002	0.0000	0.0001	0.0002	0.0115	0.0108	0.0198	0.0863	0.1288
55 mph	0.0001	0.0000	0.0000	0.0001	0.0062	0.0058	0.0126	0.0566	0.0814
60 mph	0.0001	0.0000	0.0000	0.0001	0.0038	0.0035	1.1071	4.8845	5.9990
65 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0012	-	-	0.0027
70 mph	0.0009	0.0000	0.0003	0.0010	0.0972	0.0733	-	-	0.1727
total	0.0020	0.0001	0.0008	0.0023	0.1775	0.1495	1.2720	5.6053	7.2093

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0688	0.0475	0.0018	0.0045	0.1226
15 mph	0.0006	0.0000	0.0002	0.0001	0.0080	0.0076	0.0039	0.0185	0.0391
25 mph	-	-	-	-	0.0105	0.0102	0.0139	0.0608	0.0954
35 mph	0.0013	0.0000	0.0006	0.0003	-	-	-	-	0.0023
total	0.0020	0.0001	0.0008	0.0005	0.0873	0.0653	0.0196	0.0839	0.2594

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0688	0.0475	0.0018	0.0045	0.1226
10 mph	0.0007	0.0000	0.0002	0.0004	0.0201	0.0184	0.0090	0.0436	0.0925
15 mph	0.0009	0.0000	0.0003	0.0003	0.0158	0.0151	0.0063	0.0298	0.0686
20 mph	0.0004	0.0000	0.0001	0.0002	0.0107	0.0103	0.0113	0.0452	0.0783
25 mph	0.0014	0.0000	0.0006	0.0008	0.0496	0.0480	0.0473	0.2065	0.3542
30 mph	0.0014	0.0000	0.0006	0.0008	0.0407	0.0395	0.0438	0.1911	0.3178
35 mph	0.0024	0.0001	0.0010	0.0010	0.0391	0.0376	0.0390	0.1703	0.2905
40 mph	0.0005	0.0000	0.0002	0.0004	0.0219	0.0209	0.0486	0.2131	0.3056
45 mph	0.0004	0.0000	0.0002	0.0003	0.0168	0.0159	0.0474	0.2092	0.2901
50 mph	0.0004	0.0000	0.0001	0.0003	0.0175	0.0164	0.0554	0.2419	0.3321
55 mph	0.0002	0.0000	0.0001	0.0002	0.0109	0.0101	0.0231	0.1036	0.1483
60 mph	0.0004	0.0000	0.0001	0.0002	0.0132	0.0122	1.1202	4.9426	6.0891
65 mph	0.0001	0.0000	0.0000	0.0000	0.0027	0.0024	-	-	0.0052
70 mph	0.0009	0.0000	0.0003	0.0010	0.0972	0.0733	-	-	0.1727
total	0.0098	0.0003	0.0039	0.0059	0.4251	0.3678	1.4533	6.4013	8.6676

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0016	0.0016
15 mph								0.0005	0.0005
20 mph								0.0008	0.0008
25 mph								0.0039	0.0039
30 mph								0.0033	0.0033
35 mph								0.0014	0.0014
40 mph								0.0015	0.0015
45 mph								0.0012	0.0012
50 mph								0.0019	0.0019
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0159	0.0159

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0014	0.0014
25 mph								0.0022	0.0022
30 mph								0.0035	0.0035
35 mph								0.0033	0.0033
40 mph								0.0029	0.0029
45 mph								0.0021	0.0021
50 mph								0.0011	0.0011
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0105	0.0105

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0008	0.0008
25 mph								0.0025	0.0025
35 mph								-	-
total	-	-	-	-	-	-	-	0.0043	0.0043

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0016	0.0016
15 mph								0.0012	0.0012
20 mph								0.0022	0.0022
25 mph								0.0086	0.0086
30 mph								0.0068	0.0068
35 mph								0.0047	0.0047
40 mph								0.0044	0.0044
45 mph								0.0033	0.0033
50 mph								0.0030	0.0030
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0369	0.0369

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0725	0.0485	0.0033	0.0056	0.1298
10 mph	0.0356	0.0034	0.0141	0.0101	0.0247	0.0197	0.0107	0.0453	0.1636
15 mph	0.0381	0.0037	0.0151	0.0067	0.0189	0.0160	0.0073	0.0310	0.1367
20 mph	0.0136	0.0013	0.0054	0.0040	0.0125	0.0108	0.0128	0.0473	0.1078
25 mph	0.0477	0.0046	0.0190	0.0132	0.0568	0.0500	0.0522	0.2151	0.4586
30 mph	0.0423	0.0041	0.0169	0.0121	0.0460	0.0409	0.0470	0.1979	0.4072
35 mph	0.0717	0.0069	0.0286	0.0147	0.0437	0.0388	0.0410	0.1750	0.4203
40 mph	0.0130	0.0013	0.0052	0.0050	0.0243	0.0216	0.0502	0.2176	0.3381
45 mph	0.0097	0.0009	0.0039	0.0037	0.0186	0.0164	0.0485	0.2125	0.3143
50 mph	0.0099	0.0010	0.0039	0.0039	0.0194	0.0170	0.0563	0.2449	0.3562
55 mph	0.0070	0.0007	0.0028	0.0026	0.0121	0.0105	0.0234	0.1036	0.1626
60 mph	0.0114	0.0011	0.0045	0.0035	0.0148	0.0126	1.1337	4.9427	6.1244
65 mph	0.0020	0.0002	0.0008	0.0006	0.0030	0.0025	-	-	0.0091
70 mph	0.0290	0.0028	0.0112	0.0158	0.1056	0.0756	-	-	0.2400
STREX	0.0071	0.0007	0.0027	0.0062	0.0005	0.0001	0.0003	0.0000	0.0176
total	0.3381	0.0326	0.1341	0.1020	0.4733	0.3811	1.4868	6.4385	**9.3864**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0014	0.0018	0.0015	0.0015	0.0004	0.0003	0.0004	0.0006
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0071	0.0007	0.0027	0.0062	0.0005	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0071	0.0007	0.0027	0.0062	0.0005	0.0001	0.0003	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	6.3609	0.4838	2.3875	1.5137	1.2826	0.4387	0.9044	0.0039
Diesel	0.0697	0.0001	0.0211	0.0455	1.2297	0.9586	5.1293	6.3984
Electric/NG	0.2741	0.0108	0.0670	0.0439	-	-	-	0.4029
Total	6.7047	0.4947	2.4756	1.6030	2.5124	1.3973	6.0337	6.8051

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.6304	0.2001	0.9873	1.3073	1.3752	0.4703	3.2609	0.0141
Diesel	0.0288	0.0000	0.0087	0.0393	1.3185	1.0278	18.4937	23.0693
Electric/NG	0.1134	0.0045	0.0277	0.0379	-	-	-	1.4526
Total	2.7726	0.2046	1.0237	1.3845	2.6937	1.4981	21.7546	24.5360

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.1112	0.1606	0.7924	0.2178	0.1163	0.0398	0.1606	0.0007
Diesel	0.0231	0.0000	0.0070	0.0065	0.1115	0.0869	0.9106	1.1359
Electric/NG	0.0910	0.0036	0.0222	0.0063	-	-	-	0.0715
Total	2.2253	0.1642	0.8217	0.2307	0.2278	0.1267	1.0712	1.2081

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	11.1025	0.8445	4.1672	3.0388	2.7742	0.9488	4.3259	0.0187	27.2204
Diesel	0.1216	0.0002	0.0369	0.0913	2.6597	2.0733	24.5336	30.6036	60.1200
Electric/NG	0.4785	0.0188	0.1169	0.0882	-	-	-	1.9270	2.6294
Total	11.7025	0.8634	4.3210	3.2182	5.4339	3.0221	28.8595	32.5493	**89.9698**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	74.0174
Internal	70.1903
Total	**144.2077**

World Logistics Center
Mobile Emissions - 2029 (Net) - Mitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0354	0.0334	0.0325	0.0352
10 mph	0.0042	0.0053	0.0044	0.0045	0.0045	0.0042	0.0041	0.0045
15 mph	0.0028	0.0036	0.0029	0.0030	0.0030	0.0028	0.0027	0.0030
20 mph	0.0019	0.0025	0.0021	0.0021	0.0021	0.0020	0.0019	0.0021
25 mph	0.0014	0.0019	0.0015	0.0016	0.0016	0.0015	0.0014	0.0016
30 mph	0.0011	0.0015	0.0012	0.0012	0.0012	0.0011	0.0011	0.0012
35 mph	0.0009	0.0012	0.0010	0.0010	0.0010	0.0009	0.0009	0.0010
40 mph	0.0008	0.0010	0.0008	0.0009	0.0009	0.0008	0.0008	0.0009
45 mph	0.0007	0.0010	0.0008	0.0008	0.0008	0.0007	0.0007	0.0008
50 mph	0.0007	0.0009	0.0007	0.0008	0.0008	0.0007	0.0007	0.0008
55 mph	0.0007	0.0009	0.0008	0.0008	0.0008	0.0007	0.0007	0.0008
60 mph	0.0008	0.0010	0.0008	0.0008	0.0008	0.0008	0.0008	0.0009
65 mph	0.0009	0.0011	0.0009	0.0009	0.0010	0.0009		
70 mph	0.0010	0.0012	0.0010	0.0010	0.0010	0.0009		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7600	0.7692	0.0070	0.0096
10 mph	0.0077	0.1838	0.0088	0.0058	0.0228	0.0307	0.0040	0.0105
15 mph	0.0063	0.1338	0.0076	0.0048	0.0175	0.0247	0.0032	0.0081
20 mph	0.0051	0.1025	0.0064	0.0040	0.0146	0.0206	0.0027	0.0058
25 mph	0.0041	0.0821	0.0054	0.0033	0.0121	0.0173	0.0026	0.0061
30 mph	0.0035	0.0689	0.0048	0.0029	0.0107	0.0152	0.0028	0.0066
35 mph	0.0031	0.0606	0.0043	0.0027	0.0097	0.0137	0.0034	0.0080
40 mph	0.0028	0.0555	0.0040	0.0024	0.0090	0.0126	0.0043	0.0103
45 mph	0.0026	0.0529	0.0037	0.0023	0.0085	0.0118	0.0056	0.0134
50 mph	0.0025	0.0529	0.0035	0.0022	0.0082	0.0113	0.0073	0.0172
55 mph	0.0025	0.0554	0.0033	0.0021	0.0080	0.0109	0.0093	0.0226
60 mph	0.0026	0.0604	0.0032	0.0021	0.0081	0.0110	0.0116	0.0278
65 mph	0.0027	0.0693	0.0033	0.0022	0.0090	0.0118		
70 mph	0.0027	0.0816	0.0034	0.0024	0.0136	0.0150		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0358
10 mph								0.0064
15 mph								0.0053
20 mph								0.0045
25 mph								0.0041
30 mph								0.0038
35 mph								0.0036
40 mph								0.0034
45 mph								0.0034
50 mph								0.0034
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0297	0.0029	0.0118	0.0076	0.0034	0.0010	0.0016	0.0000	0.0579
15 mph	0.0079	0.0008	0.0031	0.0020	0.0009	0.0003	0.0003	0.0000	0.0153
20 mph	0.0111	0.0011	0.0044	0.0029	0.0013	0.0004	0.0005	0.0000	0.0215
25 mph	0.0408	0.0040	0.0163	0.0105	0.0047	0.0013	0.0020	0.0000	0.0797
30 mph	0.0350	0.0035	0.0139	0.0090	0.0041	0.0011	0.0014	0.0000	0.0681
35 mph	0.0236	0.0023	0.0094	0.0061	0.0027	0.0008	0.0005	0.0000	0.0453
40 mph	0.0068	0.0007	0.0027	0.0017	0.0008	0.0002	0.0005	0.0000	0.0135
45 mph	0.0052	0.0005	0.0021	0.0013	0.0006	0.0002	0.0004	0.0000	0.0102
50 mph	0.0050	0.0005	0.0020	0.0013	0.0006	0.0002	0.0006	0.0000	0.0101
55 mph	0.0041	0.0004	0.0016	0.0010	0.0005	0.0001	0.0001	0.0000	0.0079
60 mph	0.0088	0.0009	0.0035	0.0022	0.0010	0.0003	0.0001	0.0000	0.0168
65 mph	0.0012	0.0001	0.0005	0.0003	0.0001	0.0000	-	-	0.0024
70 mph	-	-	-	-	-	-	-	-	-
total	0.1792	0.0177	0.0713	0.0461	0.0208	0.0058	0.0080	0.0001	0.3488

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0025	0.0002	0.0010	0.0013	0.0007	0.0002	-	-	0.0059
15 mph	0.0016	0.0002	0.0006	0.0009	0.0005	0.0001	-	-	0.0039
20 mph	0.0011	0.0001	0.0005	0.0006	0.0003	0.0001	0.0009	0.0000	0.0037
25 mph	0.0017	0.0002	0.0007	0.0009	0.0005	0.0001	0.0011	0.0000	0.0052
30 mph	0.0026	0.0003	0.0010	0.0014	0.0008	0.0002	0.0015	0.0000	0.0079
35 mph	0.0049	0.0005	0.0019	0.0026	0.0015	0.0004	0.0012	0.0000	0.0130
40 mph	0.0047	0.0005	0.0019	0.0025	0.0014	0.0004	0.0010	0.0000	0.0124
45 mph	0.0034	0.0003	0.0014	0.0018	0.0010	0.0003	0.0007	0.0000	0.0090
50 mph	0.0037	0.0004	0.0015	0.0020	0.0011	0.0003	0.0003	0.0000	0.0093
55 mph	0.0021	0.0002	0.0008	0.0011	0.0006	0.0002	0.0002	0.0000	0.0053
60 mph	0.0014	0.0001	0.0005	0.0007	0.0004	0.0001	0.0123	0.0001	0.0157
65 mph	0.0005	0.0000	0.0002	0.0003	0.0002	0.0000	-	-	0.0012
70 mph	0.0259	0.0025	0.0100	0.0136	0.0077	0.0021	-	-	0.0618
total	0.0562	0.0055	0.0221	0.0298	0.0169	0.0046	0.0192	0.0002	0.1544

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0034	0.0009	0.0014	0.0000	0.0057
15 mph	0.0247	0.0024	0.0098	0.0029	0.0014	0.0004	0.0006	0.0000	0.0423
25 mph	-	-	-	-	0.0014	0.0004	0.0013	0.0000	0.0031
35 mph	0.0353	0.0035	0.0140	0.0039	-	-	-	-	0.0566
total	0.0599	0.0059	0.0238	0.0068	0.0062	0.0017	0.0033	0.0000	0.1077

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0034	0.0009	0.0014	0.0000	0.0057
10 mph	0.0321	0.0031	0.0128	0.0089	0.0041	0.0012	0.0016	0.0000	0.0639
15 mph	0.0342	0.0034	0.0136	0.0059	0.0028	0.0008	0.0009	0.0000	0.0616
20 mph	0.0122	0.0012	0.0049	0.0035	0.0016	0.0005	0.0014	0.0000	0.0252
25 mph	0.0425	0.0042	0.0169	0.0114	0.0066	0.0018	0.0044	0.0000	0.0881
30 mph	0.0377	0.0037	0.0150	0.0104	0.0049	0.0013	0.0029	0.0000	0.0760
35 mph	0.0637	0.0063	0.0253	0.0125	0.0042	0.0012	0.0018	0.0000	0.1150
40 mph	0.0115	0.0011	0.0046	0.0043	0.0022	0.0006	0.0015	0.0000	0.0258
45 mph	0.0086	0.0009	0.0034	0.0032	0.0016	0.0005	0.0010	0.0000	0.0192
50 mph	0.0088	0.0009	0.0035	0.0033	0.0017	0.0005	0.0009	0.0000	0.0195
55 mph	0.0062	0.0006	0.0025	0.0022	0.0011	0.0003	0.0003	0.0000	0.0132
60 mph	0.0101	0.0010	0.0040	0.0030	0.0014	0.0004	0.0124	0.0001	0.0325
65 mph	0.0018	0.0002	0.0007	0.0006	0.0003	0.0001	-	-	0.0036
70 mph	0.0259	0.0025	0.0100	0.0136	0.0077	0.0021	-	-	0.0618
total	0.2953	0.0291	0.1171	0.0827	0.0438	0.0121	0.0305	0.0003	0.6109

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0002	0.0003	0.0159	0.0145	0.0086	0.0417	0.0818
15 mph	0.0002	0.0000	0.0001	0.0001	0.0049	0.0047	0.0023	0.0107	0.0229
20 mph	0.0003	0.0000	0.0001	0.0002	0.0081	0.0078	0.0039	0.0154	0.0358
25 mph	0.0013	0.0000	0.0005	0.0007	0.0338	0.0327	0.0203	0.0886	0.1779
30 mph	0.0012	0.0000	0.0005	0.0007	0.0326	0.0316	0.0201	0.0878	0.1746
35 mph	0.0009	0.0000	0.0004	0.0005	0.0244	0.0234	0.0110	0.0479	0.1083
40 mph	0.0003	0.0000	0.0001	0.0001	0.0075	0.0072	0.0156	0.0684	0.0992
45 mph	0.0002	0.0000	0.0001	0.0001	0.0059	0.0056	0.0162	0.0714	0.0995
50 mph	0.0002	0.0000	0.0001	0.0001	0.0057	0.0054	0.0341	0.1489	0.1944
55 mph	0.0002	0.0000	0.0001	0.0001	0.0045	0.0041	0.0100	0.0450	0.0640
60 mph	0.0003	0.0000	0.0001	0.0002	0.0090	0.0083	0.0126	0.0555	0.0861
65 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0011	-	-	0.0024
70 mph	-	-	-	-	-	-	-	-	-
total	0.0056	0.0002	0.0023	0.0030	0.1535	0.1465	0.1547	0.6813	1.1470

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0001	0.0034	0.0031	-	-	0.0066
15 mph	0.0000	0.0000	0.0000	0.0000	0.0026	0.0025	-	-	0.0052
20 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0021	0.0070	0.0278	0.0391
25 mph	0.0001	0.0000	0.0000	0.0001	0.0036	0.0035	0.0116	0.0508	0.0697
30 mph	0.0001	0.0000	0.0000	0.0001	0.0064	0.0062	0.0218	0.0950	0.1295
35 mph	0.0002	0.0000	0.0001	0.0002	0.0131	0.0125	0.0264	0.1150	0.1675
40 mph	0.0002	0.0000	0.0001	0.0002	0.0135	0.0128	0.0309	0.1355	0.1932
45 mph	0.0001	0.0000	0.0001	0.0002	0.0101	0.0096	0.0292	0.1287	0.1780
50 mph	0.0001	0.0000	0.0001	0.0002	0.0110	0.0104	0.0189	0.0826	0.1233
55 mph	0.0001	0.0000	0.0000	0.0001	0.0060	0.0056	0.0121	0.0541	0.0779
60 mph	0.0000	0.0000	0.0000	0.0001	0.0036	0.0033	1.0592	4.6732	5.7395
65 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0012	-	-	0.0026
70 mph	0.0008	0.0000	0.0003	0.0010	0.0930	0.0701	-	-	0.1652
total	0.0019	0.0001	0.0007	0.0022	0.1698	0.1430	1.2170	5.3628	6.8974

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0658	0.0454	0.0017	0.0043	0.1173
15 mph	0.0006	0.0000	0.0002	0.0001	0.0076	0.0073	0.0038	0.0177	0.0374
25 mph	-	-	-	-	0.0100	0.0097	0.0133	0.0582	0.0913
35 mph	0.0013	0.0000	0.0005	0.0003	-	-	-	-	0.0022
total	0.0019	0.0001	0.0008	0.0005	0.0835	0.0624	0.0188	0.0803	0.2482

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0658	0.0454	0.0017	0.0043	0.1173
10 mph	0.0006	0.0000	0.0002	0.0003	0.0193	0.0176	0.0086	0.0417	0.0885
15 mph	0.0008	0.0000	0.0003	0.0003	0.0151	0.0145	0.0060	0.0285	0.0656
20 mph	0.0003	0.0000	0.0001	0.0002	0.0103	0.0099	0.0108	0.0432	0.0749
25 mph	0.0013	0.0000	0.0005	0.0007	0.0474	0.0460	0.0453	0.1976	0.3389
30 mph	0.0013	0.0000	0.0005	0.0008	0.0390	0.0378	0.0419	0.1828	0.3041
35 mph	0.0023	0.0001	0.0010	0.0010	0.0374	0.0359	0.0373	0.1629	0.2780
40 mph	0.0004	0.0000	0.0002	0.0004	0.0210	0.0200	0.0465	0.2039	0.2924
45 mph	0.0003	0.0000	0.0001	0.0003	0.0161	0.0152	0.0454	0.2001	0.2776
50 mph	0.0003	0.0000	0.0001	0.0003	0.0168	0.0157	0.0530	0.2314	0.3177
55 mph	0.0002	0.0000	0.0001	0.0002	0.0104	0.0097	0.0221	0.0992	0.1419
60 mph	0.0004	0.0000	0.0001	0.0002	0.0127	0.0117	1.0718	4.7288	5.8257
65 mph	0.0001	0.0000	0.0000	0.0000	0.0026	0.0023	-	-	0.0050
70 mph	0.0008	0.0000	0.0003	0.0010	0.0930	0.0701	-	-	0.1652
total	0.0094	0.0003	0.0038	0.0057	0.4067	0.3519	1.3904	6.1244	8.2926

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0016	0.0016
15 mph								0.0004	0.0004
20 mph								0.0007	0.0007
25 mph								0.0037	0.0037
30 mph								0.0031	0.0031
35 mph								0.0013	0.0013
40 mph								0.0014	0.0014
45 mph								0.0011	0.0011
50 mph								0.0018	0.0018
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0153	0.0153

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0013	0.0013
25 mph								0.0021	0.0021
30 mph								0.0034	0.0034
35 mph								0.0032	0.0032
40 mph								0.0028	0.0028
45 mph								0.0020	0.0020
50 mph								0.0010	0.0010
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0100	0.0100

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0007	0.0007
25 mph								0.0024	0.0024
35 mph								-	-
total	-	-	-	-	-	-	-	0.0041	0.0041

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0016	0.0016
15 mph								0.0012	0.0012
20 mph								0.0021	0.0021
25 mph								0.0082	0.0082
30 mph								0.0065	0.0065
35 mph								0.0045	0.0045
40 mph								0.0042	0.0042
45 mph								0.0031	0.0031
50 mph								0.0029	0.0029
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0353	0.0353

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0692	0.0463	0.0031	0.0054	0.1240
10 mph	0.0328	0.0031	0.0130	0.0093	0.0234	0.0188	0.0102	0.0433	0.1539
15 mph	0.0350	0.0034	0.0139	0.0061	0.0179	0.0153	0.0070	0.0297	0.1283
20 mph	0.0125	0.0012	0.0050	0.0037	0.0119	0.0103	0.0122	0.0453	0.1022
25 mph	0.0439	0.0042	0.0175	0.0122	0.0541	0.0478	0.0497	0.2058	0.4352
30 mph	0.0390	0.0038	0.0155	0.0112	0.0438	0.0391	0.0448	0.1893	0.3865
35 mph	0.0660	0.0064	0.0263	0.0135	0.0416	0.0371	0.0391	0.1674	0.3975
40 mph	0.0120	0.0012	0.0048	0.0046	0.0232	0.0206	0.0480	0.2081	0.3224
45 mph	0.0090	0.0009	0.0036	0.0035	0.0177	0.0157	0.0464	0.2033	0.2999
50 mph	0.0091	0.0009	0.0036	0.0036	0.0185	0.0162	0.0539	0.2343	0.3400
55 mph	0.0064	0.0006	0.0025	0.0024	0.0115	0.0100	0.0224	0.0992	0.1551
60 mph	0.0105	0.0010	0.0042	0.0032	0.0141	0.0121	1.0842	4.7289	5.8581
65 mph	0.0018	0.0002	0.0007	0.0006	0.0029	0.0024	-	-	0.0086
70 mph	0.0267	0.0025	0.0103	0.0145	0.1007	0.0722	-	-	0.2271
STREX	0.0066	0.0006	0.0025	0.0057	0.0005	0.0001	0.0002	0.0000	0.0162
total	0.3113	0.0300	0.1234	0.0940	0.4510	0.3641	1.4212	6.1599	**8.9550**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0013	0.0016	0.0013	0.0014	0.0003	0.0003	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0066	0.0006	0.0025	0.0057	0.0005	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0066	0.0006	0.0025	0.0057	0.0005	0.0001	0.0002	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.5230	0.1919	0.9470	0.6004	0.5280	0.1816	0.3740	0.0015
Diesel	0.0276	0.0000	0.0084	0.0180	0.4972	0.3905	2.1210	2.3213
Electric/NG	0.1087	0.0043	0.0266	0.0174	-	-	-	0.1462
Total	2.6594	0.1962	0.9819	0.6358	1.0252	0.5721	2.4950	2.4690

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.0433	0.0794	0.3916	0.5185	0.5661	0.1947	1.3485	0.0054
Diesel	0.0114	0.0000	0.0035	0.0156	0.5331	0.4187	7.6474	8.3695
Electric/NG	0.0450	0.0018	0.0110	0.0150	-	-	-	0.5270
Total	1.0997	0.0811	0.4061	0.5491	1.0992	0.6134	8.9959	8.9019

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.8374	0.0637	0.3143	0.0864	0.0479	0.0165	0.0664	0.0003
Diesel	0.0092	0.0000	0.0028	0.0026	0.0451	0.0354	0.3766	0.4121
Electric/NG	0.0361	0.0014	0.0088	0.0025	-	-	-	0.0259
Total	0.8827	0.0651	0.3259	0.0915	0.0930	0.0519	0.4430	0.4383

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	4.4038	0.3350	1.6529	1.2053	1.1420	0.3927	1.7888	0.0072	10.9276
Diesel	0.0482	0.0001	0.0146	0.0362	1.0754	0.8446	10.1450	11.1030	23.2672
Electric/NG	0.1898	0.0075	0.0464	0.0350	-	-	-	0.6991	0.9777
Total	4.6418	0.3425	1.7139	1.2765	2.2174	1.2373	11.9339	11.8093	**35.1726**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	18.1679
Internal	17.2285
Total	**35.3964**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0533	0.0357	0.0024	0.0041	0.0955
10 mph	0.0210	0.0020	0.0083	0.0059	0.0180	0.0145	0.0079	0.0333	0.1109
15 mph	0.0224	0.0022	0.0089	0.0039	0.0138	0.0118	0.0054	0.0228	0.0912
20 mph	0.0080	0.0008	0.0032	0.0023	0.0092	0.0080	0.0094	0.0349	0.0757
25 mph	0.0281	0.0027	0.0112	0.0078	0.0416	0.0368	0.0383	0.1585	0.3250
30 mph	0.0249	0.0024	0.0099	0.0072	0.0337	0.0301	0.0345	0.1458	0.2886
35 mph	0.0423	0.0041	0.0168	0.0087	0.0320	0.0286	0.0301	0.1289	0.2915
40 mph	0.0077	0.0007	0.0030	0.0030	0.0179	0.0159	0.0369	0.1603	0.2454
45 mph	0.0057	0.0006	0.0023	0.0022	0.0136	0.0121	0.0357	0.1565	0.2288
50 mph	0.0058	0.0006	0.0023	0.0023	0.0142	0.0125	0.0415	0.1804	0.2596
55 mph	0.0041	0.0004	0.0016	0.0015	0.0089	0.0077	0.0172	0.0764	0.1179
60 mph	0.0067	0.0006	0.0027	0.0020	0.0109	0.0093	0.8348	3.6412	4.5083
65 mph	0.0012	0.0001	0.0005	0.0004	0.0022	0.0018	-	-	0.0062
70 mph	0.0171	0.0016	0.0066	0.0093	0.0776	0.0556	-	-	0.1678
total	0.1950	0.0188	0.0774	0.0565	0.3469	0.2803	1.0941	4.7432	6.8122

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2029 (Net) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	2,134	2.40	0.32	0.0005	1.00	0.0019	4.07
2	L	2,999	2.40	0.32	0.0005	1.40	0.0019	5.71
3	L	2,845	2.40	0.32	0.0005	1.33	0.0019	5.42
5	L	4,600	2.40	0.32	0.0005	2.15	0.0019	8.76
6	L	9,220	2.40	0.32	0.0005	4.31	0.0019	17.57
8	L	6,873	2.40	0.32	0.0005	3.21	0.0019	13.09
11	L	(1,385)	2.40	0.32	0.0005	(0.65)	0.0019	(2.64)
12	L	(2,111)	2.40	0.32	0.0005	(0.99)	0.0019	(4.02)
14	L	(1,131)	2.40	0.32	0.0005	(0.53)	0.0019	(2.16)
18	L	1,195	2.40	0.32	0.0005	0.56	0.0019	2.28
19	L	5,693	2.40	0.32	0.0005	2.66	0.0019	10.84
21	L	2,924	2.40	0.32	0.0005	1.37	0.0019	5.57
24	L	6,579	2.40	0.32	0.0005	3.08	0.0019	12.53
30	L	(6,461)	2.40	0.32	0.0005	(3.02)	0.0019	(12.31)
29	L	3,093	2.40	0.32	0.0005	1.45	0.0019	5.89
31	L	(223)	2.40	0.32	0.0005	(0.10)	0.0019	(0.42)
TOTAL						17.23		70.19

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2029 (Net) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	185,114	2.40	0.032	0.0001	10.65	0.0002	43.39
Freeway	F	260,415	2.40	0.015	0.0000	7.52	0.0001	30.63
TOTAL		445,529				18.17		74.02

World Logistics Center
Mobile Emissions - 2029 (Net) - Mitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0052	0.0082	0.0069	0.0080	0.0105	0.0118	0.0195	0.2038
15 mph	0.0046	0.0071	0.0060	0.0070	0.0092	0.0103	0.0173	0.1800
20 mph	0.0041	0.0063	0.0054	0.0062	0.0084	0.0094	0.0156	0.1624
25 mph	0.0038	0.0057	0.0049	0.0057	0.0077	0.0085	0.0142	0.1486
30 mph	0.0035	0.0053	0.0045	0.0052	0.0073	0.0080	0.0130	0.1385
35 mph	0.0033	0.0050	0.0043	0.0050	0.0069	0.0075	0.0122	0.1311
40 mph	0.0031	0.0048	0.0041	0.0047	0.0067	0.0072	0.0117	0.1256
45 mph	0.0030	0.0046	0.0040	0.0046	0.0065	0.0070	0.0113	0.1222
50 mph	0.0030	0.0046	0.0039	0.0046	0.0065	0.0069	0.0111	0.1211
55 mph	0.0030	0.0047	0.0040	0.0046	0.0066	0.0070	0.0113	0.1225
60 mph	0.0032	0.0050	0.0042	0.0049	0.0069	0.0073	0.0117	0.1265
65 mph	0.0033	0.0053	0.0044	0.0051	0.0072	0.0077	0.0123	0.1325
70 mph	0.0035	0.0059	0.0046	0.0055	0.0080	0.0079	0.0122	0.1404

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0579	0.1240	0.0778	0.0969	0.1423	0.1592	0.2775	0.4103
15 mph	0.0476	0.1032	0.0645	0.0821	0.0926	0.1056	0.2183	0.3188
20 mph	0.0391	0.0847	0.0530	0.0682	0.0790	0.0902	0.1864	0.2715
25 mph	0.0327	0.0708	0.0445	0.0577	0.0701	0.0804	0.1627	0.2293
30 mph	0.0284	0.0609	0.0384	0.0499	0.0637	0.0725	0.1428	0.2013
35 mph	0.0257	0.0546	0.0347	0.0454	0.0638	0.0727	0.1276	0.1800
40 mph	0.0240	0.0508	0.0324	0.0425	0.0622	0.0701	0.1169	0.1652
45 mph	0.0232	0.0491	0.0312	0.0409	0.0607	0.0674	0.1108	0.1569
50 mph	0.0233	0.0491	0.0312	0.0411	0.0636	0.0700	0.1093	0.1541
55 mph	0.0243	0.0513	0.0327	0.0434	0.0664	0.0724	0.1125	0.1605
60 mph	0.0264	0.0556	0.0354	0.0470	0.0671	0.0726	0.1202	0.1702
65 mph	0.0297	0.0620	0.0397	0.0529	0.0681	0.0730	0.1325	0.1846
70 mph	0.0323	0.0646	0.0425	0.0578	0.0696	0.0746	0.1336	0.1873

*US EPA Emission Factors for Greenhouse Gas Inventories. (Idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.8951
15 mph								0.7511
20 mph								0.6556
25 mph								0.6041
30 mph								0.5711
35 mph								0.5451
40 mph								0.5237
45 mph								0.5057
50 mph								0.4904
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0371	0.0044	0.0184	0.0135	0.0080	0.0027	0.0075	0.0006	0.0921
15 mph	0.0130	0.0015	0.0065	0.0047	0.0028	0.0009	0.0022	0.0002	0.0318
20 mph	0.0234	0.0027	0.0116	0.0084	0.0051	0.0017	0.0040	0.0003	0.0572
25 mph	0.1067	0.0124	0.0524	0.0383	0.0235	0.0077	0.0198	0.0016	0.2624
30 mph	0.1090	0.0126	0.0534	0.0390	0.0243	0.0079	0.0166	0.0013	0.2641
35 mph	0.0842	0.0097	0.0411	0.0301	0.0189	0.0061	0.0070	0.0006	0.1978
40 mph	0.0268	0.0031	0.0131	0.0096	0.0061	0.0020	0.0074	0.0006	0.0687
45 mph	0.0216	0.0025	0.0106	0.0078	0.0050	0.0016	0.0057	0.0005	0.0552
50 mph	0.0214	0.0025	0.0105	0.0077	0.0049	0.0016	0.0092	0.0008	0.0585
55 mph	0.0173	0.0021	0.0085	0.0063	0.0040	0.0013	0.0022	0.0002	0.0418
60 mph	0.0360	0.0043	0.0178	0.0131	0.0083	0.0026	0.0022	0.0002	0.0846
65 mph	0.0047	0.0006	0.0023	0.0017	0.0011	0.0003	-	-	0.0108
70 mph	-	-	-	-	-	-	-	-	-
total	0.5013	0.0584	0.2461	0.1803	0.1121	0.0364	0.0837	0.0067	1.2250

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0031	0.0004	0.0015	0.0023	0.0017	0.0006	-	-	0.0096
15 mph	0.0027	0.0003	0.0013	0.0020	0.0015	0.0005	-	-	0.0084
20 mph	0.0024	0.0003	0.0012	0.0018	0.0014	0.0005	0.0072	0.0006	0.0153
25 mph	0.0044	0.0005	0.0022	0.0033	0.0025	0.0008	0.0114	0.0009	0.0260
30 mph	0.0082	0.0009	0.0040	0.0061	0.0047	0.0015	0.0179	0.0014	0.0449
35 mph	0.0174	0.0020	0.0085	0.0130	0.0102	0.0033	0.0168	0.0014	0.0725
40 mph	0.0185	0.0021	0.0090	0.0138	0.0109	0.0035	0.0147	0.0012	0.0737
45 mph	0.0143	0.0017	0.0070	0.0107	0.0085	0.0027	0.0103	0.0008	0.0561
50 mph	0.0159	0.0019	0.0078	0.0120	0.0095	0.0030	0.0051	0.0004	0.0556
55 mph	0.0089	0.0011	0.0044	0.0068	0.0054	0.0017	0.0026	0.0002	0.0311
60 mph	0.0056	0.0007	0.0028	0.0043	0.0034	0.0011	0.1873	0.0152	0.2202
65 mph	0.0019	0.0002	0.0010	0.0015	0.0012	0.0004	-	-	0.0062
70 mph	0.0943	0.0122	0.0464	0.0739	0.0600	0.0175	-	-	0.3043
total	0.1977	0.0242	0.0970	0.1516	0.1209	0.0371	0.2732	0.0221	0.9239

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0013	0.0004	0.0006	0.0000	0.0022
15 mph	0.0408	0.0048	0.0202	0.0068	0.0044	0.0015	0.0036	0.0003	0.0823
25 mph	-	-	-	-	0.0070	0.0023	0.0130	0.0010	0.0233
35 mph	0.1260	0.0145	0.0615	0.0192	-	-	-	-	0.2213
total	0.1668	0.0193	0.0817	0.0261	0.0126	0.0041	0.0172	0.0013	0.3291

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0013	0.0004	0.0006	0.0000	0.0022
10 mph	0.0402	0.0048	0.0200	0.0158	0.0097	0.0032	0.0075	0.0006	0.1016
15 mph	0.0565	0.0066	0.0280	0.0136	0.0087	0.0029	0.0058	0.0005	0.1225
20 mph	0.0258	0.0030	0.0128	0.0102	0.0065	0.0021	0.0111	0.0009	0.0725
25 mph	0.1111	0.0129	0.0546	0.0416	0.0330	0.0108	0.0442	0.0035	0.3117
30 mph	0.1172	0.0135	0.0574	0.0452	0.0290	0.0095	0.0345	0.0028	0.3090
35 mph	0.2276	0.0263	0.1111	0.0624	0.0291	0.0094	0.0238	0.0019	0.4916
40 mph	0.0453	0.0052	0.0221	0.0234	0.0170	0.0055	0.0221	0.0018	0.1424
45 mph	0.0359	0.0042	0.0176	0.0185	0.0135	0.0043	0.0161	0.0013	0.1113
50 mph	0.0373	0.0044	0.0182	0.0197	0.0145	0.0046	0.0143	0.0012	0.1141
55 mph	0.0263	0.0031	0.0129	0.0131	0.0094	0.0030	0.0047	0.0004	0.0729
60 mph	0.0416	0.0050	0.0206	0.0174	0.0117	0.0037	0.1895	0.0154	0.3048
65 mph	0.0067	0.0008	0.0033	0.0032	0.0023	0.0007	-	-	0.0170
70 mph	0.0943	0.0122	0.0464	0.0739	0.0600	0.0175	-	-	0.3043
total	0.8658	0.1020	0.4248	0.3580	0.2456	0.0776	0.3741	0.0301	2.4780

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0045	0.0000	0.0018	0.0049	0.0989	0.0754	0.6000	1.6375	2.4231
15 mph	0.0015	0.0000	0.0006	0.0017	0.0257	0.0200	0.1573	0.4240	0.6308
20 mph	0.0024	0.0000	0.0010	0.0028	0.0439	0.0342	0.2687	0.7224	1.0754
25 mph	0.0102	0.0000	0.0042	0.0117	0.1948	0.1523	1.2898	3.3551	5.0181
30 mph	0.0097	0.0000	0.0040	0.0112	0.1948	0.1512	1.0294	2.6774	4.0777
35 mph	0.0072	0.0000	0.0029	0.0083	0.1597	0.1240	0.4137	1.0774	1.7933
40 mph	0.0022	0.0000	0.0009	0.0026	0.0519	0.0399	0.4212	1.0991	1.6177
45 mph	0.0018	0.0000	0.0007	0.0021	0.0422	0.0319	0.3193	0.8350	1.2331
50 mph	0.0018	0.0000	0.0007	0.0021	0.0442	0.0332	0.5120	1.3326	1.9266
55 mph	0.0015	0.0000	0.0006	0.0018	0.0369	0.0274	0.1216	0.3202	0.5101
60 mph	0.0033	0.0000	0.0013	0.0038	0.0746	0.0550	0.1299	0.3396	0.6076
65 mph	0.0005	0.0000	0.0002	0.0005	0.0095	0.0069	-	-	0.0176
70 mph	-	-	-	-	-	-	-	-	-
total	0.0466	0.0001	0.0191	0.0534	0.9773	0.7513	5.2629	13.8203	20.9312

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0004	0.0000	0.0002	0.0008	0.0212	0.0162	-	-	0.0388
15 mph	0.0003	0.0000	0.0001	0.0007	0.0138	0.0107	-	-	0.0257
20 mph	0.0003	0.0000	0.0001	0.0006	0.0118	0.0092	0.4845	1.3022	1.8086
25 mph	0.0004	0.0000	0.0002	0.0010	0.0209	0.0163	0.7398	1.9245	2.7032
30 mph	0.0007	0.0000	0.0003	0.0018	0.0380	0.0295	1.1134	2.8960	4.0797
35 mph	0.0015	0.0000	0.0006	0.0036	0.0856	0.0665	0.9944	2.5896	3.7418
40 mph	0.0015	0.0000	0.0006	0.0037	0.0927	0.0712	0.8352	2.1795	3.1845
45 mph	0.0012	0.0000	0.0005	0.0029	0.0723	0.0548	0.5757	1.5054	2.2127
50 mph	0.0013	0.0000	0.0005	0.0032	0.0854	0.0640	0.2840	0.7392	1.1777
55 mph	0.0008	0.0000	0.0003	0.0019	0.0495	0.0367	0.1461	0.3849	0.6203
60 mph	0.0005	0.0000	0.0002	0.0012	0.0300	0.0221	10.9287	28.5702	39.5529
65 mph	0.0002	0.0000	0.0001	0.0005	0.0102	0.0074	-	-	0.0183
70 mph	0.0096	0.0000	0.0038	0.0233	0.4771	0.3484	-	-	0.8622
total	0.0187	0.0001	0.0076	0.0453	1.0084	0.7530	16.1018	42.0915	60.0264

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0003	0.0012	0.0022	0.0040
15 mph	0.0046	0.0000	0.0019	0.0024	0.0403	0.0313	0.2597	0.7001	1.0404
25 mph	-	-	-	-	0.0579	0.0452	0.8472	2.2038	3.1542
35 mph	0.0108	0.0000	0.0044	0.0053	-	-	-	-	0.0205
total	0.0154	0.0000	0.0063	0.0077	0.0985	0.0768	1.1081	2.9061	4.2191

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0003	0.0012	0.0022	0.0040
10 mph	0.0049	0.0000	0.0020	0.0058	0.1201	0.0916	0.6000	1.6375	2.4618
15 mph	0.0064	0.0000	0.0026	0.0048	0.0798	0.0620	0.4171	1.1242	1.6969
20 mph	0.0027	0.0000	0.0011	0.0034	0.0557	0.0433	0.7532	2.0246	2.8840
25 mph	0.0106	0.0000	0.0044	0.0127	0.2736	0.2138	2.8769	7.4834	10.8755
30 mph	0.0104	0.0000	0.0043	0.0129	0.2328	0.1807	2.1428	5.5735	8.1575
35 mph	0.0194	0.0001	0.0080	0.0172	0.2454	0.1904	1.4082	3.6670	5.5556
40 mph	0.0038	0.0000	0.0015	0.0063	0.1445	0.1111	1.2564	3.2786	4.8023
45 mph	0.0030	0.0000	0.0012	0.0049	0.1145	0.0867	0.8950	2.3404	3.4458
50 mph	0.0032	0.0000	0.0013	0.0053	0.1296	0.0971	0.7960	2.0718	3.1043
55 mph	0.0023	0.0000	0.0009	0.0037	0.0865	0.0642	0.2677	0.7051	1.1303
60 mph	0.0038	0.0000	0.0015	0.0051	0.1046	0.0771	11.0586	28.9098	40.1605
65 mph	0.0007	0.0000	0.0003	0.0010	0.0196	0.0143	-	-	0.0359
70 mph	0.0096	0.0000	0.0038	0.0233	0.4771	0.3484	-	-	0.8622
total	0.0808	0.0002	0.0330	0.1064	2.0843	1.5812	22.4728	58.8180	85.1766

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.2214	0.2214
15 mph								0.0619	0.0619
20 mph								0.1081	0.1081
25 mph								0.5478	0.5478
30 mph								0.4709	0.4709
35 mph								0.2022	0.2022
40 mph								0.2159	0.2159
45 mph								0.1668	0.1668
50 mph								0.2628	0.2628
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.2577	2.2577

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.1949	0.1949
25 mph								0.3142	0.3142
30 mph								0.5093	0.5093
35 mph								0.4860	0.4860
40 mph								0.4281	0.4281
45 mph								0.3006	0.3006
50 mph								0.1458	0.1458
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.5045	1.5045

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0004	0.0004
15 mph								0.1022	0.1022
25 mph								0.3598	0.3598
35 mph								-	-
total	-	-	-	-	-	-	-	0.4625	0.4625

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0004	0.0004
10 mph								0.2214	0.2214
15 mph								0.1642	0.1642
20 mph								0.3030	0.3030
25 mph								1.2219	1.2219
30 mph								0.9802	0.9802
35 mph								0.6882	0.6882
40 mph								0.6439	0.6439
45 mph								0.4674	0.4674
50 mph								0.4085	0.4085
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.0991	5.0991

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0017	0.0007	0.0017	0.0025	0.0066
10 mph	0.0450	0.0048	0.0220	0.0216	0.1298	0.0948	0.6074	1.8595	2.7849
15 mph	0.0629	0.0067	0.0306	0.0184	0.0885	0.0649	0.4229	1.2888	1.9836
20 mph	0.0285	0.0030	0.0139	0.0136	0.0622	0.0455	0.7643	2.3284	3.2595
25 mph	0.1217	0.0129	0.0590	0.0543	0.3066	0.2246	2.9211	8.7088	12.4091
30 mph	0.1277	0.0136	0.0617	0.0581	0.2618	0.1901	2.1773	6.5564	9.4466
35 mph	0.2471	0.0263	0.1190	0.0796	0.2745	0.1998	1.4319	4.3571	6.7354
40 mph	0.0491	0.0052	0.0236	0.0298	0.1615	0.1165	1.2785	3.9243	5.5886
45 mph	0.0389	0.0042	0.0188	0.0234	0.1280	0.0910	0.9111	2.8091	4.0245
50 mph	0.0405	0.0044	0.0195	0.0250	0.1441	0.1017	0.8103	2.4815	3.6270
55 mph	0.0286	0.0031	0.0139	0.0167	0.0959	0.0671	0.2724	0.7055	1.2032
60 mph	0.0454	0.0050	0.0221	0.0225	0.1163	0.0808	11.2481	28.9252	40.4653
65 mph	0.0073	0.0008	0.0036	0.0042	0.0219	0.0150	-	-	0.0529
70 mph	0.1039	0.0122	0.0502	0.0972	0.5371	0.3660	-	-	1.1666
STREX	0.1062	0.0089	0.0463	0.1084	0.0489	0.0146	0.0194	0.0000	0.3528
total	1.0528	0.1111	0.5042	0.5729	2.3787	1.6733	22.8664	63.9472	**93.1065**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0211	0.0232	0.0245	0.0263	0.0355	0.0356	0.0294	0.0055
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1062	0.0089	0.0463	0.1084	0.0489	0.0146	0.0194	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1062	0.0089	0.0463	0.1084	0.0489	0.0146	0.0194	0.0000

World Logistics Center
Mobile Emissions - 2029 (Net) - Mitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					2.0153	2.0337	3.3620	2.4662
10 mph	0.0058	0.0124	0.0097	0.0116	0.0125	0.0101	0.0223	0.3126
15 mph	0.0039	0.0084	0.0065	0.0078	0.0085	0.0068	0.0149	0.2074
20 mph	0.0027	0.0060	0.0046	0.0055	0.0061	0.0048	0.0105	0.1462
25 mph	0.0020	0.0045	0.0034	0.0041	0.0046	0.0036	0.0077	0.1084
30 mph	0.0016	0.0035	0.0026	0.0032	0.0036	0.0028	0.0059	0.0848
35 mph	0.0013	0.0029	0.0022	0.0026	0.0030	0.0023	0.0049	0.0701
40 mph	0.0011	0.0025	0.0019	0.0023	0.0027	0.0020	0.0042	0.0611
45 mph	0.0010	0.0023	0.0017	0.0021	0.0025	0.0019	0.0039	0.0562
50 mph	0.0010	0.0022	0.0017	0.0020	0.0025	0.0018	0.0037	0.0544
55 mph	0.0010	0.0023	0.0017	0.0020	0.0025	0.0018	0.0038	0.0555
60 mph	0.0011	0.0024	0.0018	0.0021	0.0027	0.0020	0.0041	0.0594
65 mph	0.0012	0.0026	0.0019	0.0024	0.0031	0.0022		
70 mph	0.0013	0.0031	0.0021	0.0026	0.0033	0.0022		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0235	0.1100
10 mph	0.0043	0.0171	0.0090	0.0045	0.0255	0.0256	0.0015	0.0038
15 mph	0.0022	0.0110	0.0044	0.0022	0.0129	0.0130	0.0008	0.0021
20 mph	0.0009	0.0074	0.0017	0.0009	0.0056	0.0056	0.0006	0.0013
25 mph	0.0006	0.0057	0.0011	0.0006	0.0036	0.0036	0.0004	0.0011
30 mph	0.0004	0.0047	0.0008	0.0004	0.0028	0.0028	0.0004	0.0009
35 mph	0.0004	0.0041	0.0006	0.0003	0.0024	0.0023	0.0003	0.0007
40 mph	0.0003	0.0037	0.0005	0.0003	0.0020	0.0020	0.0003	0.0006
45 mph	0.0003	0.0035	0.0004	0.0002	0.0018	0.0018	0.0002	0.0006
50 mph	0.0002	0.0034	0.0004	0.0002	0.0017	0.0016	0.0002	0.0006
55 mph	0.0002	0.0036	0.0003	0.0002	0.0016	0.0015	0.0003	0.0006
60 mph	0.0002	0.0039	0.0003	0.0002	0.0016	0.0015	0.0003	0.0007
65 mph	0.0002	0.0044	0.0003	0.0002	0.0018	0.0017		
70 mph	0.0002	0.0051	0.0003	0.0002	0.0027	0.0024		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.9182
10 mph								11.3796
15 mph								7.8036
20 mph								5.5060
25 mph								4.0414
30 mph								2.9995
35 mph								2.2292
40 mph								1.6602
45 mph								1.2412
50 mph								0.9339
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0414	0.0067	0.0258	0.0196	0.0095	0.0023	0.0085	0.0009	0.1147
15 mph	0.0111	0.0018	0.0069	0.0053	0.0026	0.0006	0.0019	0.0002	0.0303
20 mph	0.0155	0.0026	0.0098	0.0074	0.0037	0.0009	0.0027	0.0003	0.0429
25 mph	0.0573	0.0097	0.0363	0.0276	0.0140	0.0032	0.0108	0.0011	0.1601
30 mph	0.0490	0.0084	0.0311	0.0237	0.0122	0.0028	0.0076	0.0008	0.1355
35 mph	0.0328	0.0057	0.0208	0.0160	0.0083	0.0019	0.0028	0.0003	0.0886
40 mph	0.0095	0.0017	0.0060	0.0046	0.0025	0.0005	0.0027	0.0003	0.0278
45 mph	0.0073	0.0013	0.0046	0.0035	0.0019	0.0004	0.0020	0.0002	0.0212
50 mph	0.0070	0.0012	0.0044	0.0034	0.0019	0.0004	0.0031	0.0003	0.0218
55 mph	0.0057	0.0010	0.0036	0.0028	0.0015	0.0003	0.0007	0.0001	0.0157
60 mph	0.0120	0.0020	0.0075	0.0058	0.0033	0.0007	0.0008	0.0001	0.0322
65 mph	0.0017	0.0003	0.0010	0.0008	0.0005	0.0001	-	-	0.0044
70 mph	-	-	-	-	-	-	-	-	-
total	0.2502	0.0423	0.1579	0.1206	0.0618	0.0142	0.0434	0.0046	0.6951

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0034	0.0006	0.0021	0.0034	0.0020	0.0005	-	-	0.0120
15 mph	0.0023	0.0004	0.0014	0.0023	0.0014	0.0003	-	-	0.0081
20 mph	0.0016	0.0003	0.0010	0.0016	0.0010	0.0002	0.0048	0.0005	0.0111
25 mph	0.0024	0.0004	0.0015	0.0024	0.0015	0.0003	0.0062	0.0007	0.0154
30 mph	0.0037	0.0006	0.0023	0.0037	0.0024	0.0005	0.0082	0.0009	0.0223
35 mph	0.0068	0.0012	0.0043	0.0069	0.0045	0.0010	0.0067	0.0007	0.0320
40 mph	0.0065	0.0011	0.0042	0.0067	0.0044	0.0010	0.0053	0.0006	0.0298
45 mph	0.0048	0.0008	0.0031	0.0049	0.0033	0.0007	0.0035	0.0004	0.0215
50 mph	0.0052	0.0009	0.0033	0.0053	0.0036	0.0008	0.0017	0.0002	0.0210
55 mph	0.0029	0.0005	0.0019	0.0030	0.0021	0.0004	0.0009	0.0001	0.0118
60 mph	0.0019	0.0003	0.0012	0.0019	0.0013	0.0003	0.0657	0.0072	0.0797
65 mph	0.0007	0.0001	0.0004	0.0007	0.0005	0.0001	-	-	0.0025
70 mph	0.0343	0.0063	0.0210	0.0352	0.0247	0.0049	-	-	0.1264
total	0.0765	0.0135	0.0477	0.0779	0.0526	0.0111	0.1030	0.0112	0.3935

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1907	0.0572	0.1447	0.0011	0.3937
15 mph	0.0346	0.0057	0.0217	0.0076	0.0040	0.0010	0.0031	0.0003	0.0780
25 mph	-	-	-	-	0.0041	0.0010	0.0071	0.0007	0.0130
35 mph	0.0491	0.0085	0.0312	0.0102	-	-	-	-	0.0989
total	0.0837	0.0142	0.0528	0.0178	0.1989	0.0591	0.1549	0.0022	0.5836

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1907	0.0572	0.1447	0.0011	0.3937
10 mph	0.0448	0.0073	0.0279	0.0230	0.0116	0.0028	0.0085	0.0009	0.1267
15 mph	0.0479	0.0079	0.0300	0.0152	0.0080	0.0019	0.0050	0.0005	0.1164
20 mph	0.0171	0.0029	0.0108	0.0091	0.0047	0.0011	0.0075	0.0008	0.0540
25 mph	0.0597	0.0101	0.0378	0.0300	0.0196	0.0045	0.0241	0.0025	0.1884
30 mph	0.0527	0.0090	0.0334	0.0275	0.0145	0.0033	0.0157	0.0017	0.1578
35 mph	0.0887	0.0154	0.0563	0.0330	0.0128	0.0029	0.0094	0.0010	0.2195
40 mph	0.0160	0.0028	0.0102	0.0113	0.0069	0.0015	0.0080	0.0009	0.0576
45 mph	0.0121	0.0021	0.0077	0.0084	0.0052	0.0011	0.0055	0.0006	0.0427
50 mph	0.0122	0.0021	0.0077	0.0087	0.0055	0.0012	0.0048	0.0005	0.0428
55 mph	0.0086	0.0015	0.0054	0.0058	0.0036	0.0008	0.0016	0.0002	0.0275
60 mph	0.0139	0.0024	0.0087	0.0077	0.0046	0.0010	0.0665	0.0072	0.1119
65 mph	0.0024	0.0004	0.0015	0.0015	0.0010	0.0002	-	-	0.0069
70 mph	0.0343	0.0063	0.0210	0.0352	0.0247	0.0049	-	-	0.1264
total	0.4104	0.0700	0.2585	0.2163	0.3132	0.0844	0.3014	0.0180	1.6722

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0003	0.0000	0.0002	0.0002	0.0177	0.0121	0.0033	0.0153	0.0492
15 mph	0.0001	0.0000	0.0000	0.0000	0.0036	0.0025	0.0006	0.0028	0.0096
20 mph	0.0001	0.0000	0.0000	0.0000	0.0031	0.0021	0.0008	0.0035	0.0097
25 mph	0.0002	0.0000	0.0001	0.0001	0.0101	0.0068	0.0036	0.0157	0.0366
30 mph	0.0002	0.0000	0.0001	0.0001	0.0087	0.0059	0.0026	0.0116	0.0291
35 mph	0.0001	0.0000	0.0001	0.0001	0.0059	0.0040	0.0010	0.0043	0.0153
40 mph	0.0000	0.0000	0.0000	0.0000	0.0017	0.0011	0.0009	0.0041	0.0079
45 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0008	0.0007	0.0030	0.0058
50 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0008	0.0011	0.0049	0.0080
55 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0006	0.0003	0.0013	0.0030
60 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0012	0.0003	0.0015	0.0048
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0010	0.0000	0.0006	0.0006	0.0561	0.0380	0.0152	0.0679	0.1795

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0038	0.0026	-	-	0.0065
15 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0013	-	-	0.0033
20 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	0.0015	0.0063	0.0092
25 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0007	0.0020	0.0090	0.0129
30 mph	0.0000	0.0000	0.0000	0.0000	0.0017	0.0011	0.0028	0.0125	0.0182
35 mph	0.0000	0.0000	0.0000	0.0000	0.0032	0.0021	0.0023	0.0103	0.0180
40 mph	0.0000	0.0000	0.0000	0.0000	0.0030	0.0020	0.0018	0.0081	0.0151
45 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0014	0.0012	0.0055	0.0103
50 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0015	0.0006	0.0027	0.0071
55 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0008	0.0003	0.0015	0.0038
60 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0278	0.1234	0.1524
65 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	-	-	0.0004
70 mph	0.0001	0.0000	0.0000	0.0001	0.0188	0.0114	-	-	0.0304
total	0.0002	0.0000	0.0001	0.0003	0.0409	0.0262	0.0405	0.1793	0.2876

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0128	0.0087	0.0057	0.0496	0.0768
15 mph	0.0002	0.0000	0.0001	0.0001	0.0056	0.0038	0.0010	0.0046	0.0155
25 mph	-	-	-	-	0.0030	0.0020	0.0023	0.0103	0.0177
35 mph	0.0001	0.0000	0.0001	0.0000	-	-	-	-	0.0003
total	0.0004	0.0000	0.0002	0.0001	0.0214	0.0146	0.0091	0.0645	0.1102

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0128	0.0087	0.0057	0.0496	0.0768
10 mph	0.0004	0.0000	0.0002	0.0003	0.0215	0.0147	0.0033	0.0153	0.0557
15 mph	0.0003	0.0000	0.0002	0.0001	0.0111	0.0076	0.0016	0.0074	0.0284
20 mph	0.0001	0.0000	0.0000	0.0000	0.0040	0.0027	0.0023	0.0098	0.0189
25 mph	0.0002	0.0000	0.0001	0.0001	0.0142	0.0096	0.0079	0.0351	0.0672
30 mph	0.0002	0.0000	0.0001	0.0001	0.0104	0.0070	0.0055	0.0241	0.0473
35 mph	0.0003	0.0000	0.0001	0.0001	0.0091	0.0061	0.0033	0.0146	0.0336
40 mph	0.0000	0.0000	0.0000	0.0000	0.0047	0.0032	0.0028	0.0122	0.0230
45 mph	0.0000	0.0000	0.0000	0.0000	0.0034	0.0023	0.0019	0.0085	0.0162
50 mph	0.0000	0.0000	0.0000	0.0000	0.0034	0.0023	0.0017	0.0076	0.0151
55 mph	0.0000	0.0000	0.0000	0.0000	0.0021	0.0014	0.0006	0.0028	0.0069
60 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0016	0.0281	0.1248	0.1572
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	-	-	0.0009
70 mph	0.0001	0.0000	0.0000	0.0001	0.0188	0.0114	-	-	0.0304
total	0.0016	0.0000	0.0009	0.0010	0.1184	0.0788	0.0648	0.3118	0.5773

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								2.8144	2.8144
15 mph								0.6433	0.6433
20 mph								0.9078	0.9078
25 mph								3.6650	3.6650
30 mph								2.4728	2.4728
35 mph								0.8270	0.8270
40 mph								0.6844	0.6844
45 mph								0.4093	0.4093
50 mph								0.5004	0.5004
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	12.9245	12.9245

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1.6366	1.6366
25 mph								2.1022	2.1022
30 mph								2.6748	2.6748
35 mph								1.9878	1.9878
40 mph								1.3571	1.3571
45 mph								0.7379	0.7379
50 mph								0.2776	0.2776
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	8.4014	8.4014

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0536	0.0536
15 mph								1.0623	1.0623
25 mph								2.4074	2.4074
35 mph								-	-
total	-	-	-	-	-	-	-	3.5232	3.5232

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0536	0.0536
10 mph								2.8144	2.8144
15 mph								1.7056	1.7056
20 mph								2.5445	2.5445
25 mph								8.1746	8.1746
30 mph								5.1476	5.1476
35 mph								2.8148	2.8148
40 mph								2.0415	2.0415
45 mph								1.1471	1.1471
50 mph								0.7780	0.7780
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	27.2217	27.2217

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2035	0.0659	0.1504	0.1042	0.5240
10 mph	0.0452	0.0073	0.0281	0.0232	0.0331	0.0175	0.0118	2.8306	2.9968
15 mph	0.0482	0.0079	0.0302	0.0153	0.0191	0.0095	0.0066	1.7135	1.8504
20 mph	0.0172	0.0029	0.0108	0.0091	0.0087	0.0038	0.0098	2.5550	2.6174
25 mph	0.0599	0.0101	0.0379	0.0301	0.0338	0.0141	0.0320	8.2123	8.4302
30 mph	0.0528	0.0090	0.0335	0.0276	0.0249	0.0103	0.0212	5.1734	5.3527
35 mph	0.0889	0.0154	0.0565	0.0332	0.0219	0.0090	0.0127	2.8304	3.0679
40 mph	0.0161	0.0028	0.0102	0.0113	0.0116	0.0047	0.0108	2.0546	2.1220
45 mph	0.0121	0.0021	0.0077	0.0085	0.0086	0.0034	0.0074	1.1562	1.2060
50 mph	0.0123	0.0021	0.0077	0.0087	0.0089	0.0034	0.0065	0.7862	0.8359
55 mph	0.0086	0.0015	0.0054	0.0058	0.0057	0.0021	0.0022	0.0030	0.0343
60 mph	0.0139	0.0024	0.0087	0.0077	0.0071	0.0026	0.0946	0.1321	0.2690
65 mph	0.0024	0.0004	0.0015	0.0015	0.0015	0.0005	-	-	0.0078
70 mph	0.0344	0.0063	0.0210	0.0353	0.0435	0.0163	-	-	0.1568
STREX	0.1684	0.0168	0.0860	0.2159	0.0235	0.0070	0.0222	0.0000	0.5399
total	0.5804	0.0869	0.3454	0.4332	0.4551	0.1702	0.3884	27.5515	**30.0111**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0335	0.0439	0.0455	0.0524	0.0171	0.0172	0.0337	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1684	0.0168	0.0860	0.2159	0.0235	0.0070	0.0222	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1684	0.0168	0.0860	0.2159	0.0235	0.0070	0.0222	0.0000

World Logistics Center
Mobile Emissions - 2029 (Net) - Mitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,266.80	4,983.93	12,646.52	20,994.08
10 mph	438.18	512.97	526.94	649.38	1,401.84	1,614.19	2,890.75	3,416.85
15 mph	358.15	419.22	430.52	530.15	1,145.18	1,317.71	2,365.30	2,803.80
20 mph	297.88	348.68	358.07	440.98	952.17	1,095.87	1,964.30	2,336.10
25 mph	254.68	298.20	306.27	377.47	813.90	936.60	1,680.78	1,999.71
30 mph	226.03	264.70	271.93	335.52	722.51	831.51	1,493.37	1,774.42
35 mph	209.62	245.53	252.28	311.76	670.14	771.41	1,385.58	1,643.04
40 mph	203.10	237.90	244.43	302.13	648.78	746.86	1,340.72	1,588.52
45 mph	204.19	239.05	245.57	303.42	651.16	749.59	1,346.54	1,589.85
50 mph	210.31	246.17	252.82	312.67	670.35	771.35	1,385.11	1,633.21
55 mph	218.49	255.71	262.71	325.06	697.81	802.91	1,439.76	1,697.09
60 mph	225.02	263.68	271.11	335.88	726.03	835.35	1,497.37	1,763.03
65 mph	230.50	270.59	278.32	345.48	748.08	860.34		
70 mph	233.46	274.52	281.04	353.68	758.98	869.72		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,462.92	5,587.43	5,730.07	5,357.37
10 mph	368.21	789.09	495.05	616.25	905.16	1,012.79	1,765.32	2,610.49
15 mph	302.90	656.43	410.61	522.09	588.95	671.80	1,388.62	2,027.87
20 mph	248.47	539.03	337.30	433.65	502.61	573.69	1,186.07	1,727.34
25 mph	208.34	450.26	282.84	367.25	445.72	511.19	1,035.04	1,458.70
30 mph	180.51	387.34	244.56	317.75	405.22	461.54	908.65	1,280.47
35 mph	163.25	347.12	220.67	288.98	406.06	462.48	811.56	1,144.98
40 mph	152.79	323.43	205.94	270.45	395.41	446.10	743.57	1,051.27
45 mph	147.59	312.14	198.56	260.22	385.87	429.02	704.70	998.38
50 mph	148.06	312.13	198.80	261.77	404.84	445.24	695.33	980.47
55 mph	154.91	326.47	207.82	276.21	422.59	460.31	715.46	1,021.01
60 mph	167.96	353.86	225.15	299.09	426.60	461.72	764.47	1,082.76
65 mph	188.93	394.39	252.83	336.63	433.26	464.21		
70 mph	205.69	411.11	270.33	367.42	442.58	474.42		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,411.62
10 mph								4,390.75
15 mph								3,684.38
20 mph								3,216.07
25 mph								2,963.35
30 mph								2,801.68
35 mph								2,673.73
40 mph								2,568.88
45 mph								2,480.81
50 mph								2,405.49
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	3,114.17	277.29	1,405.63	1,098.27	1,064.70	364.34	1,102.07	9.78	8,436.25
15 mph	1,018.15	90.65	459.38	358.64	347.91	118.97	300.58	2.68	2,696.96
20 mph	1,693.65	150.79	764.14	596.65	578.54	197.88	499.25	4.46	4,485.36
25 mph	7,240.06	644.78	3,267.93	2,553.56	2,472.62	845.59	2,349.54	20.99	19,395.07
30 mph	7,068.14	629.59	3,191.70	2,496.74	2,414.48	825.78	1,897.78	16.93	18,541.15
35 mph	5,363.19	477.81	2,422.72	1,898.13	1,832.31	626.80	792.36	7.06	13,420.39
40 mph	1,732.18	154.32	782.45	613.16	591.30	202.29	851.90	7.58	4,935.18
45 mph	1,451.19	129.22	655.08	513.16	494.55	169.19	684.48	6.07	4,102.94
50 mph	1,494.69	133.07	674.42	528.79	509.13	174.10	1,144.14	10.13	4,668.46
55 mph	1,242.27	110.58	560.64	439.80	423.99	144.98	274.45	2.43	3,199.14
60 mph	2,558.79	228.06	1,157.12	908.90	882.27	301.67	285.43	2.52	6,324.78
65 mph	327.64	29.25	148.49	116.86	113.63	38.84	-	-	774.71
70 mph	-	-	-	-	-	-	-	-	-
total	34,304.12	3,055.42	15,489.70	12,122.66	11,725.44	4,010.42	10,181.98	90.63	90,980.38

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	257.56	22.93	116.25	189.70	228.31	78.13	-	-	892.88
15 mph	210.52	18.74	94.98	154.87	186.51	63.78	-	-	729.40
20 mph	175.09	15.59	79.00	128.82	155.07	53.04	900.02	8.04	1,514.68
25 mph	299.40	26.66	135.14	220.54	265.11	90.66	1,347.70	12.04	2,397.25
30 mph	531.43	47.34	239.97	392.06	470.68	160.98	2,052.74	18.32	3,913.51
35 mph	1,108.91	98.79	500.93	819.66	982.28	336.02	1,904.58	16.96	5,768.13
40 mph	1,193.84	106.36	539.27	882.59	1,056.62	361.48	1,689.34	15.03	5,844.54
45 mph	960.17	85.50	433.43	709.11	848.40	290.24	1,233.94	10.94	4,571.73
50 mph	1,112.57	99.05	502.00	822.04	982.58	336.00	634.64	5.62	4,494.51
55 mph	642.14	57.16	289.80	474.79	568.24	194.30	329.84	2.92	2,559.20
60 mph	396.80	35.37	179.44	294.36	354.73	121.29	24,012.83	212.32	25,607.15
65 mph	135.49	12.10	61.40	100.92	121.83	41.64	-	-	473.39
70 mph	6,312.37	564.57	2,852.16	4,752.71	5,686.03	1,936.33	-	-	22,104.17
total	13,336.29	1,190.17	6,023.79	9,942.18	11,906.39	4,063.88	34,105.65	302.19	80,870.54

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	403.76	140.16	544.37	9.57	1,097.85
15 mph	3,186.41	283.69	1,437.68	520.95	544.08	186.05	496.32	4.42	6,659.59
25 mph	-	-	-	-	734.39	251.15	1,543.32	13.79	2,542.66
35 mph	8,024.23	714.88	3,624.80	1,211.24	-	-	-	-	13,575.15
total	11,210.64	998.57	5,062.47	1,732.19	1,682.23	577.35	2,584.01	27.78	23,875.25

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	403.76	140.16	544.37	9.57	1,097.85
10 mph	3,371.72	300.23	1,521.89	1,287.97	1,293.01	442.46	1,102.07	9.78	9,329.14
15 mph	4,415.08	393.08	1,992.04	1,034.46	1,078.50	368.79	796.90	7.09	10,085.94
20 mph	1,868.74	166.38	843.14	725.47	733.62	250.92	1,399.27	12.50	6,000.04
25 mph	7,539.45	671.44	3,403.07	2,774.10	3,472.12	1,187.41	5,240.57	46.82	24,334.98
30 mph	7,599.57	676.93	3,431.67	2,888.80	2,885.16	986.76	3,950.52	35.25	22,454.66
35 mph	14,496.34	1,291.48	6,548.45	3,929.03	2,814.58	962.83	2,696.94	24.02	32,763.67
40 mph	2,926.03	260.68	1,321.72	1,495.76	1,647.92	563.76	2,541.24	22.61	10,779.72
45 mph	2,411.36	214.72	1,088.51	1,222.27	1,342.95	459.43	1,918.42	17.01	8,674.67
50 mph	2,607.25	232.12	1,176.42	1,350.84	1,491.70	510.10	1,778.78	15.75	9,162.97
55 mph	1,884.42	167.75	850.43	914.59	992.23	339.28	604.29	5.35	5,758.34
60 mph	2,955.59	263.43	1,336.56	1,203.26	1,237.00	422.96	24,298.26	214.85	31,931.92
65 mph	463.13	41.35	209.89	217.78	235.47	80.48	-	-	1,248.10
70 mph	6,312.37	564.57	2,852.16	4,752.71	5,686.03	1,936.33	-	-	22,104.17
total	58,851.05	5,244.16	26,575.96	23,797.04	25,314.06	8,651.66	46,871.64	420.60	195,726.17

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	28.66	0.08	11.68	31.30	629.30	479.76	3,816.83	10,417.80	15,415.42
15 mph	9.43	0.03	3.88	10.61	163.78	127.29	1,000.79	2,697.57	4,013.38
20 mph	15.47	0.05	6.37	17.62	279.55	217.41	1,709.62	4,595.59	6,841.66
25 mph	64.86	0.19	26.70	74.61	1,239.52	968.61	8,205.60	21,344.80	31,924.89
30 mph	61.81	0.18	25.40	71.01	1,239.58	961.99	6,548.70	17,033.50	25,942.17
35 mph	45.74	0.13	18.75	52.84	1,016.31	788.68	2,632.03	6,854.00	11,408.47
40 mph	14.27	0.04	5.83	16.48	329.88	253.58	2,679.48	6,992.26	10,291.83
45 mph	11.49	0.03	4.69	13.22	268.27	203.23	2,031.53	5,312.36	7,844.82
50 mph	11.52	0.03	4.69	13.30	281.46	210.91	3,257.32	8,477.73	12,256.97
55 mph	9.64	0.03	3.92	11.22	235.04	174.44	773.45	2,037.29	3,245.04
60 mph	20.91	0.06	8.50	24.31	474.54	349.95	826.44	2,160.51	3,865.21
65 mph	2.94	0.01	1.19	3.42	60.24	43.98	-	-	111.78
70 mph	-	-	-	-	-	-	-	-	-
total	296.75	0.85	121.62	339.93	6,217.47	4,779.82	33,481.79	87,923.42	133,161.64

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	2.37	0.01	0.97	5.41	134.94	102.88	-	-	246.57
15 mph	1.95	0.01	0.80	4.58	87.80	68.24	-	-	163.38
20 mph	1.60	0.00	0.66	3.80	74.93	58.27	3,082.02	8,284.71	11,506.00
25 mph	2.68	0.01	1.10	6.44	132.90	103.85	4,706.76	12,243.45	17,197.19
30 mph	4.65	0.01	1.91	11.15	241.64	187.53	7,083.41	18,424.32	25,954.63
35 mph	9.46	0.03	3.88	22.82	544.83	422.80	6,326.52	16,474.77	23,805.10
40 mph	9.83	0.03	4.02	23.73	589.49	453.14	5,313.48	13,865.86	20,259.58
45 mph	7.60	0.02	3.10	18.26	460.21	348.63	3,662.36	9,576.88	14,077.06
50 mph	8.58	0.02	3.49	20.67	543.19	407.03	1,806.82	4,702.54	7,492.35
55 mph	4.99	0.01	2.03	12.12	315.00	233.79	929.56	2,448.49	3,945.98
60 mph	3.24	0.01	1.32	7.87	190.79	140.70	69,526.92	181,760.36	251,631.22
65 mph	1.22	0.00	0.49	2.95	64.59	47.15	-	-	116.41
70 mph	60.90	0.16	24.28	148.28	3,035.15	2,216.76	-	-	5,485.53
total	119.06	0.33	48.05	288.08	6,415.47	4,790.79	102,437.85	267,781.38	381,881.00

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	299.96	329.77	1,398.82	2,413.95	4,442.50
15 mph	29.51	0.09	12.13	15.41	256.14	199.07	1,652.48	4,454.16	6,618.99
25 mph	-	-	-	-	368.15	287.69	5,389.95	14,020.59	20,066.37
35 mph	68.43	0.20	28.05	33.72	-	-	-	-	130.40
total	97.94	0.28	40.19	49.12	924.25	816.53	8,441.25	20,888.70	31,258.26

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	299.96	329.77	1,398.82	2,413.95	4,442.50
10 mph	31.03	0.09	12.65	36.71	764.25	582.64	3,816.83	10,417.80	15,661.99
15 mph	40.89	0.12	16.81	30.59	507.72	394.60	2,653.27	7,151.73	10,795.74
20 mph	17.07	0.05	7.03	21.42	354.48	275.68	4,791.64	12,880.30	18,347.67
25 mph	67.54	0.20	27.81	81.05	1,740.56	1,360.15	18,302.30	47,608.84	69,188.45
30 mph	66.46	0.19	27.31	82.16	1,481.23	1,149.52	13,632.11	35,457.82	51,896.80
35 mph	123.63	0.35	50.68	109.37	1,561.14	1,211.47	8,958.55	23,328.77	35,343.97
40 mph	24.10	0.07	9.85	40.21	919.37	706.73	7,992.96	20,858.12	30,551.41
45 mph	19.09	0.05	7.79	31.48	728.48	551.86	5,693.89	14,889.24	21,921.88
50 mph	20.10	0.06	8.19	33.96	824.66	617.94	5,064.14	13,180.27	19,749.32
55 mph	14.63	0.04	5.95	23.34	550.04	408.23	1,703.02	4,485.78	7,191.03
60 mph	24.16	0.07	9.82	32.18	665.33	490.65	70,353.36	183,920.87	255,496.43
65 mph	4.16	0.01	1.69	6.37	124.83	91.13	-	-	228.20
70 mph	60.90	0.16	24.28	148.28	3,035.15	2,216.76	-	-	5,485.53
total	513.75	1.46	209.85	677.13	13,557.19	10,387.13	144,360.89	376,593.50	546,300.90

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1,085.93	1,085.93
15 mph								303.74	303.74
20 mph								530.27	530.27
25 mph								2,687.31	2,687.31
30 mph								2,309.73	2,309.73
35 mph								991.91	991.91
40 mph								1,058.90	1,058.90
45 mph								818.08	818.08
50 mph								1,289.02	1,289.02
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	11,074.91	11,074.91

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								955.95	955.95
25 mph								1,541.45	1,541.45
30 mph								2,498.33	2,498.33
35 mph								2,384.23	2,384.23
40 mph								2,099.84	2,099.84
45 mph								1,474.80	1,474.80
50 mph								715.01	715.01
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	7,379.96	7,379.96

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								151.12	151.12
15 mph								501.53	501.53
25 mph								1,765.19	1,765.19
35 mph								-	-
total	-	-	-	-	-	-	-	2,417.84	2,417.84

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								151.12	151.12
10 mph								1,085.93	1,085.93
15 mph								805.28	805.28
20 mph								1,486.22	1,486.22
25 mph								5,993.96	5,993.96
30 mph								4,808.06	4,808.06
35 mph								3,376.14	3,376.14
40 mph								3,158.74	3,158.74
45 mph								2,292.88	2,292.88
50 mph								2,004.03	2,004.03
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	25,162.35	25,162.35

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	703.72	469.92	1,943.19	2,574.64	5,691.47
10 mph	3,402.75	300.32	1,534.54	1,324.67	2,057.26	1,025.10	4,918.91	11,513.51	26,077.06
15 mph	4,455.97	393.20	2,008.85	1,065.05	1,586.22	763.40	3,450.17	7,964.10	21,686.96
20 mph	1,885.81	166.43	850.17	746.90	1,088.09	526.60	6,190.91	14,379.02	25,833.93
25 mph	7,606.99	671.64	3,430.87	2,855.15	5,212.68	2,547.56	23,542.87	53,649.62	99,517.39
30 mph	7,666.03	677.12	3,458.98	2,970.96	4,366.38	2,136.28	17,582.63	40,301.13	79,159.52
35 mph	14,619.97	1,291.83	6,599.13	4,038.41	4,375.72	2,174.30	11,655.49	26,728.93	71,483.78
40 mph	2,950.13	260.75	1,331.57	1,535.97	2,567.30	1,270.49	10,534.20	24,039.47	44,489.87
45 mph	2,430.45	214.77	1,096.30	1,253.75	2,071.43	1,011.29	7,612.31	17,199.13	32,889.43
50 mph	2,627.36	232.18	1,184.61	1,384.80	2,316.36	1,128.04	6,842.92	15,200.06	30,916.32
55 mph	1,899.05	167.79	856.39	937.93	1,542.27	747.51	2,307.31	4,491.13	12,949.37
60 mph	2,979.75	263.50	1,346.38	1,235.44	1,902.33	913.61	94,651.62	184,135.72	287,428.35
65 mph	467.29	41.36	211.58	224.15	360.30	171.61	-	-	1,476.29
70 mph	6,373.27	564.74	2,876.44	4,900.98	8,721.18	4,153.09	-	-	27,589.70
STREX	234.97	21.02	108.69	292.94	24.20	8.20	22.84	0.21	713.06
total	59,599.78	5,266.64	26,894.50	24,767.10	38,895.45	19,046.99	191,255.37	402,176.66	**767,902.48**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	46.69	54.91	57.53	71.16	17.59	20.05	34.59	42.14
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	234.97	21.02	108.69	292.94	24.20	8.20	22.84	0.21
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	234.97	21.02	108.69	292.94	24.20	8.20	22.84	0.21

World Logistics Center
Mobile Emissions - 2030 (Net) - Mitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
36.93	1,091.49	630.51	7.64	10.03	159.47	99.02	268.52	9.56	39.14	38.73	87.43	7.27	98.08	32.36	820,839.52

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
6.74	199.20	115.07	1.39	1.83	29.10	18.07	49.01	1.75	7.14	7.07	15.96	1.33	17.90	5.91	149,803.21

World Logistics Center
Mobile Emissions - 2030 (Net) - Mitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	2,687.12	29.86	122.97	117,009.27	1,300.31	5,354.56
LDT1	204.59	0.04	4.91	8,908.74	1.54	213.74
LDT2	1,009.07	9.14	30.40	43,939.30	397.98	1,323.87
MDT	1,973.25	60.89	62.42	30,218.97	932.43	955.85
LHDT1	652.17	614.61	-	15,011.93	14,147.34	-
LHDT2	192.89	416.16	-	4,439.94	9,579.24	-
MHDT	313.90	1,812.32	-	13,963.20	80,617.38	-
HHDT	2.43	3,331.73	211.20	108.11	148,205.51	9,394.67

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	82,778.19	919.90	3,788.08	34,231.08	380.41	1,566.48
LDT1	6,302.48	1.09	151.21	2,606.25	0.45	62.53
LDT2	31,084.85	281.55	936.57	12,854.45	116.43	387.30
MDT	16,214.95	500.32	512.89	14,004.02	432.10	442.96
LHDT1	7,244.54	6,827.30	-	7,767.39	7,320.04	-
LHDT2	2,142.65	4,622.80	-	2,297.29	4,956.44	-
MHDT	3,031.85	17,504.56	-	10,931.35	63,112.82	-
HHDT	23.47	32,180.07	2,039.88	84.64	116,025.45	7,354.80

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	4,138.91	315.12	1,554.24	810.75	362.23	107.13	181.91	1.41	7,471.70
15 mph	1,655.56	126.05	621.70	324.30	144.89	42.85	60.64	0.47	2,976.46
20 mph	3,311.13	252.10	1,243.39	648.60	289.78	85.71	121.27	0.94	5,952.92
25 mph	16,555.64	1,260.50	6,216.97	3,242.99	1,448.91	428.53	667.01	5.16	29,825.70
30 mph	18,211.20	1,386.55	6,838.67	3,567.29	1,593.80	471.38	606.37	4.69	32,679.95
35 mph	14,900.07	1,134.45	5,595.27	2,918.69	1,304.02	385.68	272.87	2.11	26,513.16
40 mph	4,966.69	378.15	1,865.09	972.90	434.67	128.56	303.18	2.35	9,051.59
45 mph	4,138.91	315.12	1,554.24	810.75	362.23	107.13	242.55	1.88	7,532.81
50 mph	4,138.91	315.12	1,554.24	810.75	362.23	107.13	394.14	3.05	7,685.57
55 mph	3,311.13	252.10	1,243.39	648.60	289.78	85.71	90.96	0.70	5,922.37
60 mph	6,622.25	504.20	2,486.79	1,297.20	579.56	171.41	90.96	0.70	11,753.07
65 mph	827.78	63.02	310.85	162.15	72.45	21.43	-	-	1,457.68
70 mph	-	-	-	-	-	-	-	-	-
total	82,778.19	6,302.48	31,084.85	16,214.95	7,244.54	2,142.65	3,031.85	23.47	148,822.98

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	342.31	26.06	128.54	140.04	77.67	22.97	-	-	737.60
15 mph	342.31	26.06	128.54	140.04	77.67	22.97	-	-	737.60
20 mph	342.31	26.06	128.54	140.04	77.67	22.97	218.63	1.69	957.92
25 mph	684.62	52.13	257.09	280.08	155.35	45.95	382.60	2.96	1,860.77
30 mph	1,369.24	104.25	514.18	560.16	310.70	91.89	655.88	5.08	3,611.38
35 mph	3,080.80	234.56	1,156.90	1,260.36	699.07	206.76	655.88	5.08	7,299.40
40 mph	3,423.11	260.63	1,285.44	1,400.40	776.74	229.73	601.22	4.66	7,981.93
45 mph	2,738.49	208.50	1,028.36	1,120.32	621.39	183.78	437.25	3.39	6,341.48
50 mph	3,080.80	234.56	1,156.90	1,260.36	699.07	206.76	218.63	1.69	6,858.76
55 mph	1,711.55	130.31	642.72	700.20	388.37	114.86	109.31	0.85	3,798.18
60 mph	1,026.93	78.19	385.63	420.12	233.02	68.92	7,651.94	59.25	9,924.00
65 mph	342.31	26.06	128.54	140.04	77.67	22.97	-	-	737.60
70 mph	15,746.30	1,198.88	5,913.05	6,441.85	3,573.00	1,056.75	-	-	33,929.83
total	34,231.08	2,606.25	12,854.45	14,004.02	7,767.39	2,297.29	10,931.35	84.64	84,776.47

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	44.84	13.26	20.37	0.22	78.70
15 mph	4,263.99	324.65	1,601.21	470.68	225.14	66.59	99.31	0.77	7,052.33
25 mph	-	-	-	-	427.58	126.46	434.59	3.36	991.99
35 mph	18,346.37	1,396.84	6,889.43	1,860.97	-	-	-	-	28,493.61
total	22,610.36	1,721.49	8,490.64	2,331.65	652.71	193.05	533.90	4.13	36,537.93

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	44.84	13.26	20.37	0.22	78.70
10 mph	4,481.22	341.19	1,682.79	950.79	439.90	130.11	181.91	1.41	8,209.31
15 mph	6,261.87	476.76	2,351.45	935.02	447.70	132.41	159.95	1.24	10,766.40
20 mph	3,653.44	278.16	1,371.94	788.64	367.46	108.68	339.90	2.63	6,910.84
25 mph	17,240.26	1,312.62	6,474.06	3,523.07	2,031.83	600.94	1,484.19	11.49	32,678.46
30 mph	19,580.44	1,490.80	7,352.85	4,127.45	1,904.49	563.27	1,262.25	9.77	36,291.33
35 mph	36,327.24	2,765.85	13,641.60	6,040.03	2,003.08	592.43	928.75	7.19	62,306.17
40 mph	8,389.80	638.77	3,150.54	2,373.30	1,211.41	358.29	904.41	7.00	17,033.52
45 mph	6,877.40	523.62	2,582.60	1,931.07	983.62	290.92	679.80	5.26	13,874.29
50 mph	7,219.71	549.69	2,711.14	2,071.11	1,061.29	313.89	612.77	4.74	14,544.34
55 mph	5,022.68	382.41	1,886.12	1,348.80	678.15	200.57	200.27	1.55	9,720.55
60 mph	7,649.19	582.39	2,872.42	1,717.32	812.58	240.33	7,742.90	59.95	21,677.08
65 mph	1,170.09	89.09	439.39	302.19	150.12	44.40	-	-	2,195.28
70 mph	15,746.30	1,198.88	5,913.05	6,441.85	3,573.00	1,056.75	-	-	33,929.83
total	139,619.63	10,630.22	52,429.94	32,550.63	15,664.64	4,632.99	14,497.09	112.25	270,137.39

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	46.00	0.05	14.08	25.02	341.37	231.14	1,050.27	1,930.80	3,638.73
15 mph	18.40	0.02	5.63	10.01	136.55	92.46	350.09	643.60	1,256.75
20 mph	36.80	0.04	11.26	20.01	273.09	184.91	700.18	1,287.20	2,513.50
25 mph	183.98	0.22	56.31	100.06	1,365.46	924.56	3,851.00	7,079.62	13,561.21
30 mph	202.38	0.24	61.94	110.07	1,502.01	1,017.02	3,500.91	6,436.01	12,830.58
35 mph	165.58	0.20	50.68	90.06	1,228.91	832.10	1,575.41	2,896.21	6,839.15
40 mph	55.19	0.07	16.89	30.02	409.64	277.37	1,750.46	3,218.01	5,757.64
45 mph	46.00	0.05	14.08	25.02	341.37	231.14	1,400.37	2,574.41	4,632.42
50 mph	46.00	0.05	14.08	25.02	341.37	231.14	2,275.59	4,183.41	7,116.65
55 mph	36.80	0.04	11.26	20.01	273.09	184.91	525.14	965.40	2,016.66
60 mph	73.59	0.09	22.52	40.03	546.18	369.82	525.14	965.40	2,542.78
65 mph	9.20	0.01	2.82	5.00	68.27	46.23	-	-	131.53
70 mph	-	-	-	-	-	-	-	-	-
total	919.90	1.09	281.55	500.32	6,827.30	4,622.80	17,504.56	32,180.07	62,837.60

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	3.80	0.00	1.16	4.32	73.20	49.56	-	-	132.06
15 mph	3.80	0.00	1.16	4.32	73.20	49.56	-	-	132.06
20 mph	3.80	0.00	1.16	4.32	73.20	49.56	1,262.26	2,320.51	3,714.82
25 mph	7.61	0.01	2.33	8.64	146.40	99.13	2,208.95	4,060.89	6,533.96
30 mph	15.22	0.02	4.66	17.28	292.80	198.26	3,786.77	6,961.53	11,276.53
35 mph	34.24	0.04	10.48	38.89	658.80	446.08	3,786.77	6,961.53	11,936.82
40 mph	38.04	0.05	11.64	43.21	732.00	495.64	3,471.20	6,381.40	11,173.19
45 mph	30.43	0.04	9.31	34.57	585.60	396.52	2,524.51	4,641.02	8,222.00
50 mph	34.24	0.04	10.48	38.89	658.80	446.08	1,262.26	2,320.51	4,771.29
55 mph	19.02	0.02	5.82	21.61	366.00	247.82	631.13	1,160.25	2,451.68
60 mph	11.41	0.01	3.49	12.96	219.60	148.69	44,178.97	81,217.81	125,792.96
65 mph	3.80	0.00	1.16	4.32	73.20	49.56	-	-	132.06
70 mph	174.99	0.21	53.56	198.77	3,367.22	2,279.96	-	-	6,074.70
total	380.41	0.45	116.43	432.10	7,320.04	4,956.44	63,112.82	116,025.45	192,344.14

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	42.26	28.61	117.62	216.24	404.73
15 mph	47.39	0.06	14.50	14.52	212.17	143.66	573.38	1,054.10	2,059.78
25 mph	-	-	-	-	402.95	272.84	2,509.11	4,612.70	7,797.60
35 mph	203.88	0.24	62.40	57.42	-	-	-	-	323.94
total	251.27	0.30	76.90	71.94	615.12	416.50	3,082.49	5,666.80	10,181.32

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	42.26	28.61	117.62	216.24	404.73
10 mph	49.80	0.06	15.24	29.34	414.57	280.70	1,050.27	1,930.80	3,770.78
15 mph	69.59	0.08	21.30	28.85	421.92	285.68	923.48	1,697.70	3,448.59
20 mph	40.60	0.05	12.43	24.33	346.29	234.48	1,962.44	3,607.71	6,228.33
25 mph	191.59	0.23	58.64	108.71	1,914.81	1,296.53	8,569.06	15,753.20	27,892.77
30 mph	217.59	0.26	66.60	127.36	1,794.81	1,215.27	7,287.68	13,397.54	24,107.11
35 mph	403.70	0.48	123.56	186.37	1,887.72	1,278.18	5,362.18	9,857.73	19,099.92
40 mph	93.23	0.11	28.54	73.23	1,141.64	773.01	5,221.66	9,599.41	16,930.83
45 mph	76.43	0.09	23.39	59.58	926.97	627.66	3,924.88	7,215.42	12,854.42
50 mph	80.23	0.10	24.56	63.91	1,000.17	677.22	3,537.85	6,503.92	11,887.94
55 mph	55.82	0.07	17.08	41.62	639.09	432.73	1,156.27	2,125.66	4,468.33
60 mph	85.00	0.10	26.02	52.99	765.79	518.52	44,704.11	82,183.21	128,335.74
65 mph	13.00	0.02	3.98	9.32	141.47	95.79	-	-	263.59
70 mph	174.99	0.21	53.56	198.77	3,367.22	2,279.96	-	-	6,074.70
total	1,551.57	1.84	474.88	1,004.37	14,762.47	9,995.74	83,699.87	153,872.31	265,363.06

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	189.40	7.56	46.83	25.64	-	-	-	122.39	391.83
15 mph	75.76	3.02	18.73	10.26	-	-	-	40.80	148.57
20 mph	151.52	6.05	37.46	20.52	-	-	-	81.60	297.15
25 mph	757.62	30.24	187.31	102.58	-	-	-	448.77	1,526.52
30 mph	833.38	33.27	206.05	112.84	-	-	-	407.98	1,593.50
35 mph	681.85	27.22	168.58	92.32	-	-	-	183.59	1,153.57
40 mph	227.28	9.07	56.19	30.77	-	-	-	203.99	527.31
45 mph	189.40	7.56	46.83	25.64	-	-	-	163.19	432.63
50 mph	189.40	7.56	46.83	25.64	-	-	-	265.18	534.62
55 mph	151.52	6.05	37.46	20.52	-	-	-	61.20	276.75
60 mph	303.05	12.10	74.93	41.03	-	-	-	61.20	492.30
65 mph	37.88	1.51	9.37	5.13	-	-	-	-	53.89
70 mph	-	-	-	-	-	-	-	-	-
total	3,788.08	151.21	936.57	512.89	-	-	-	2,039.88	7,428.64

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	15.66	0.63	3.87	4.43	-	-	-	-	24.59
15 mph	15.66	0.63	3.87	4.43	-	-	-	-	24.59
20 mph	15.66	0.63	3.87	4.43	-	-	-	147.10	171.69
25 mph	31.33	1.25	7.75	8.86	-	-	-	257.42	306.60
30 mph	62.66	2.50	15.49	17.72	-	-	-	441.29	539.66
35 mph	140.98	5.63	34.86	39.87	-	-	-	441.29	662.62
40 mph	156.65	6.25	38.73	44.30	-	-	-	404.51	650.44
45 mph	125.32	5.00	30.98	35.44	-	-	-	294.19	490.93
50 mph	140.98	5.63	34.86	39.87	-	-	-	147.10	368.43
55 mph	78.32	3.13	19.36	22.15	-	-	-	73.55	196.51
60 mph	46.99	1.88	11.62	13.29	-	-	-	5,148.36	5,222.14
65 mph	15.66	0.63	3.87	4.43	-	-	-	-	24.59
70 mph	720.58	28.76	178.16	203.76	-	-	-	-	1,131.26
total	1,566.48	62.53	387.30	442.96	-	-	-	7,354.80	9,814.06

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	13.71	13.71
15 mph	195.13	7.79	48.24	14.89	-	-	-	66.82	332.87
25 mph	-	-	-	-	-	-	-	292.40	292.40
35 mph	839.56	33.51	207.58	58.86	-	-	-	-	1,139.52
total	1,034.69	41.30	255.82	73.75	-	-	-	359.22	1,764.78

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	13.71	13.71
10 mph	205.07	8.19	50.70	30.07	-	-	-	122.39	416.42
15 mph	286.55	11.44	70.85	29.58	-	-	-	107.62	506.03
20 mph	167.19	6.67	41.34	24.95	-	-	-	228.69	468.83
25 mph	788.95	31.49	195.06	111.44	-	-	-	998.59	2,125.52
30 mph	896.04	35.77	221.54	130.55	-	-	-	849.26	2,133.16
35 mph	1,662.40	66.36	411.01	191.05	-	-	-	624.88	2,955.70
40 mph	383.93	15.33	94.92	75.07	-	-	-	608.50	1,177.75
45 mph	314.72	12.56	77.81	61.08	-	-	-	457.38	923.56
50 mph	330.39	13.19	81.69	65.51	-	-	-	412.28	903.05
55 mph	229.85	9.18	56.83	42.66	-	-	-	134.74	473.26
60 mph	350.04	13.97	86.54	54.32	-	-	-	5,209.55	5,714.43
65 mph	53.55	2.14	13.24	9.56	-	-	-	-	78.48
70 mph	720.58	28.76	178.16	203.76	-	-	-	-	1,131.26
total	4,006.19	159.92	990.50	517.64	-	-	-	2,931.43	19,007.48

World Logistics Center
Mobile Emissions - 2030 (Net) - Mitigated
Area Source Diesel Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	21244	330	0.21	4461.3	4221.2	46.9	193.2
	LDT1	15	1567	330	0.21	329.2	321.4	0.1	7.7
	LDT2	15	7844	330	0.21	1647.3	1585.1	14.4	47.8
	MDT	15	2363	330	0.21	496.3	467.1	14.4	14.8
	LHDT1	15	2076	330	0.21	436.1	224.5	211.6	0.0
	LHDT2	15	998	330	0.21	209.6	66.4	143.2	0.0
	MHDT	15	3179	330	0.21	667.6	98.6	569.0	0.0
	HHDT	15	5301	330	0.21	1113.1	0.8	1046.1	66.3
Travel at Light Logistics	LDA	15	153	175	0.11	16.8	15.9	0.2	0.7
	LDT1	15	11	175	0.11	1.2	1.2	0.0	0.0
	LDT2	15	56	175	0.11	6.2	6.0	0.1	0.2
	MDT	15	14	175	0.11	1.6	1.5	0.0	0.0
	LHDT1	15	8	175	0.11	0.9	0.5	0.4	0.0
	LHDT2	15	4	175	0.11	0.4	0.1	0.3	0.0
	MHDT	15	10	175	0.11	1.1	0.2	1.0	0.0
	HHDT	15	17	175	0.11	1.9	0.0	1.8	0.1
Travel at Utility	LDA	15	173	100	0.06	10.4	9.8	0.1	0.4
	LDT1	15	13	100	0.06	0.8	0.7	0.0	0.0
	LDT2	15	64	100	0.06	3.8	3.7	0.0	0.1
	MDT	15	37	100	0.06	2.2	2.1	0.1	0.1
	LHDT1	15	6	100	0.06	0.3	0.2	0.2	0.0
	LHDT2	15	3	100	0.06	0.2	0.1	0.1	0.0
	MHDT	15	11	100	0.06	0.6	0.1	0.5	0.0
	HHDT	15	18	100	0.06	1.1	0.0	1.0	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	112	50	0.03	3.4	0.5	2.9	0.0
	HHDT	15	187	50	0.03	5.6	0.0	5.3	0.3
Travel at Convenience Store	LDA	15	527	50	0.03	15.8	15.0	0.2	0.7
	LDT1	15	39	50	0.03	1.2	1.1	0.0	0.0
	LDT2	15	195	50	0.03	5.8	5.6	0.1	0.2
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	75	50	0.03	2.2	2.1	0.0	0.1
	LDT1	15	6	50	0.03	0.2	0.2	0.0	0.0
	LDT2	15	28	50	0.03	0.8	0.8	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	4264.0	324.6	1601.2	470.7	225.1	66.6	99.3	0.8
Diesel	47.4	0.1	14.5	14.5	212.2	143.7	573.4	1054.1
Electric/Natural Gas (HHDT Only)	195.1	7.8	48.2	14.9	0.0	0.0	0.0	66.8

World Logistics Center
Mobile Emissions - 2030 (Net) - Mitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	1038	535	504	0	2672.5	2518.6	0.0
	LHDT2	5	499	158	341	0	790.4	1705.3	0.0
	MHDT	5	1589	235	1355	0	1173.3	6773.9	0.0
	HHDT	5	2650	2	2491	158	9.1	12453.0	789.4
Travel at Light Logistics	LHDT1	5	4	2	2	0	10.7	10.1	0.0
	LHDT2	5	2	1	1	0	3.2	6.8	0.0
	MHDT	5	5	1	4	0	3.8	21.9	0.0
	HHDT	5	9	0	8	1	0.0	40.3	2.6
Travel at Utility	LHDT1	5	3	1	1	0	7.2	6.8	0.0
	LHDT2	5	1	0	1	0	2.1	4.6	0.0
	MHDT	5	5	1	5	0	4.0	22.8	0.0
	HHDT	5	9	0	8	1	0.0	41.9	2.7
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	56	8	48	0	41.4	238.8	0.0
	HHDT	5	93	0	88	6	0.3	439.1	27.8
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	44.8	13.3	20.4	0.2
Diesel	42.3	28.6	117.6	216.2
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	13.7

World Logistics Center
Mobile Emissions - 2030 (Net) - Mitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					14.6880	14.8548	27.1044	11.1728
10 mph	0.0188	0.0461	0.0341	0.0415	0.0485	0.0368	0.0903	1.4225
15 mph	0.0126	0.0313	0.0230	0.0280	0.0329	0.0247	0.0605	0.9437
20 mph	0.0088	0.0225	0.0163	0.0198	0.0240	0.0176	0.0428	0.6662
25 mph	0.0065	0.0168	0.0121	0.0147	0.0181	0.0131	0.0314	0.4937
30 mph	0.0050	0.0132	0.0094	0.0115	0.0143	0.0102	0.0242	0.3863
35 mph	0.0041	0.0109	0.0077	0.0094	0.0121	0.0085	0.0197	0.3195
40 mph	0.0036	0.0095	0.0067	0.0082	0.0107	0.0074	0.0172	0.2789
45 mph	0.0033	0.0087	0.0061	0.0075	0.0100	0.0068	0.0157	0.2563
50 mph	0.0032	0.0084	0.0059	0.0072	0.0098	0.0066	0.0152	0.2479
55 mph	0.0032	0.0084	0.0059	0.0073	0.0101	0.0068	0.0156	0.2531
60 mph	0.0034	0.0088	0.0062	0.0077	0.0108	0.0073	0.0167	0.2706
65 mph	0.0037	0.0096	0.0068	0.0085	0.0124	0.0082		
70 mph	0.0040	0.0113	0.0071	0.0092	0.0130	0.0079		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5054	2.3680
10 mph	0.0884	0.3414	0.1952	0.0944	0.5504	0.5526	0.0327	0.0822
15 mph	0.0444	0.2157	0.0956	0.0465	0.2779	0.2788	0.0182	0.0451
20 mph	0.0186	0.1402	0.0375	0.0186	0.1198	0.1197	0.0123	0.0282
25 mph	0.0117	0.1067	0.0226	0.0115	0.0764	0.0762	0.0097	0.0231
30 mph	0.0089	0.0879	0.0171	0.0088	0.0596	0.0593	0.0078	0.0187
35 mph	0.0072	0.0759	0.0136	0.0071	0.0493	0.0488	0.0065	0.0154
40 mph	0.0060	0.0686	0.0113	0.0059	0.0423	0.0417	0.0055	0.0132
45 mph	0.0053	0.0647	0.0096	0.0051	0.0375	0.0369	0.0051	0.0122
50 mph	0.0047	0.0639	0.0083	0.0045	0.0346	0.0339	0.0051	0.0122
55 mph	0.0043	0.0663	0.0074	0.0040	0.0324	0.0317	0.0056	0.0136
60 mph	0.0043	0.0718	0.0070	0.0039	0.0324	0.0316	0.0066	0.0189
65 mph	0.0044	0.0817	0.0070	0.0040	0.0361	0.0349		
70 mph	0.0046	0.0934	0.0072	0.0044	0.0548	0.0494		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0588
10 mph								0.4701
15 mph								0.2973
20 mph								0.1927
25 mph								0.1423
30 mph								0.1082
35 mph								0.0828
40 mph								0.0638
45 mph								0.0498
50 mph								0.0398
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1712	0.0320	0.1170	0.0742	0.0388	0.0087	0.0362	0.0044	0.4825
15 mph	0.0459	0.0087	0.0315	0.0200	0.0105	0.0023	0.0081	0.0010	0.1280
20 mph	0.0646	0.0125	0.0447	0.0284	0.0153	0.0033	0.0115	0.0014	0.1817
25 mph	0.2378	0.0467	0.1656	0.1053	0.0577	0.0124	0.0462	0.0056	0.6773
30 mph	0.2027	0.0404	0.1417	0.0904	0.0504	0.0106	0.0324	0.0040	0.5725
35 mph	0.1352	0.0273	0.0947	0.0607	0.0347	0.0072	0.0119	0.0015	0.3731
40 mph	0.0391	0.0079	0.0274	0.0176	0.0103	0.0021	0.0115	0.0014	0.1174
45 mph	0.0299	0.0061	0.0210	0.0135	0.0080	0.0016	0.0084	0.0011	0.0895
50 mph	0.0288	0.0058	0.0201	0.0130	0.0078	0.0016	0.0132	0.0017	0.0919
55 mph	0.0234	0.0047	0.0162	0.0105	0.0065	0.0013	0.0031	0.0004	0.0661
60 mph	0.0493	0.0098	0.0340	0.0220	0.0139	0.0027	0.0033	0.0004	0.1354
65 mph	0.0068	0.0013	0.0047	0.0030	0.0020	0.0004	-	-	0.0182
70 mph	-	-	-	-	-	-	-	-	-
total	1.0346	0.2032	0.7186	0.4585	0.2557	0.0543	0.1857	0.0229	2.9335

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0142	0.0026	0.0097	0.0128	0.0083	0.0019	-	-	0.0495
15 mph	0.0095	0.0018	0.0065	0.0086	0.0056	0.0013	-	-	0.0333
20 mph	0.0067	0.0013	0.0046	0.0061	0.0041	0.0009	0.0207	0.0025	0.0469
25 mph	0.0098	0.0019	0.0068	0.0091	0.0062	0.0013	0.0265	0.0032	0.0650
30 mph	0.0152	0.0030	0.0107	0.0142	0.0098	0.0021	0.0350	0.0043	0.0943
35 mph	0.0280	0.0056	0.0196	0.0262	0.0186	0.0039	0.0285	0.0036	0.1339
40 mph	0.0269	0.0055	0.0189	0.0253	0.0184	0.0038	0.0228	0.0029	0.1244
45 mph	0.0198	0.0040	0.0139	0.0186	0.0137	0.0028	0.0151	0.0019	0.0898
50 mph	0.0215	0.0043	0.0150	0.0201	0.0151	0.0030	0.0073	0.0009	0.0872
55 mph	0.0121	0.0024	0.0084	0.0113	0.0087	0.0017	0.0038	0.0005	0.0488
60 mph	0.0076	0.0015	0.0053	0.0071	0.0056	0.0011	0.2817	0.0354	0.3453
65 mph	0.0028	0.0006	0.0019	0.0026	0.0021	0.0004	-	-	0.0105
70 mph	0.1380	0.0299	0.0925	0.1312	0.1026	0.0184	-	-	0.5127
total	0.3121	0.0646	0.2137	0.2934	0.2188	0.0425	0.4414	0.0551	1.6417

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.4523	0.4344	1.2176	0.0054	3.1097
15 mph	0.1182	0.0224	0.0812	0.0290	0.0163	0.0036	0.0132	0.0016	0.2857
25 mph	-	-	-	-	0.0170	0.0037	0.0301	0.0037	0.0545
35 mph	0.1665	0.0336	0.1166	0.0387	-	-	-	-	0.3554
total	0.2847	0.0560	0.1978	0.0677	1.4856	0.4417	1.2609	0.0107	3.8052

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.4523	0.4344	1.2176	0.0054	3.1097
10 mph	0.1853	0.0347	0.1267	0.0871	0.0471	0.0105	0.0362	0.0044	0.5320
15 mph	0.1736	0.0329	0.1193	0.0576	0.0325	0.0072	0.0213	0.0026	0.4470
20 mph	0.0713	0.0138	0.0494	0.0345	0.0194	0.0042	0.0321	0.0039	0.2285
25 mph	0.2476	0.0487	0.1724	0.1144	0.0810	0.0174	0.1029	0.0125	0.7967
30 mph	0.2179	0.0434	0.1523	0.1045	0.0602	0.0127	0.0673	0.0083	0.6668
35 mph	0.3296	0.0666	0.2309	0.1255	0.0532	0.0110	0.0404	0.0051	0.8623
40 mph	0.0660	0.0134	0.0463	0.0429	0.0286	0.0059	0.0343	0.0043	0.2418
45 mph	0.0497	0.0101	0.0348	0.0320	0.0217	0.0044	0.0235	0.0030	0.1793
50 mph	0.0503	0.0102	0.0350	0.0331	0.0229	0.0046	0.0205	0.0026	0.1792
55 mph	0.0355	0.0071	0.0246	0.0218	0.0151	0.0030	0.0069	0.0009	0.1149
60 mph	0.0569	0.0113	0.0393	0.0292	0.0194	0.0038	0.2851	0.0358	0.4807
65 mph	0.0096	0.0019	0.0066	0.0057	0.0041	0.0008	-	-	0.0287
70 mph	0.1380	0.0299	0.0925	0.1312	0.1026	0.0184	-	-	0.5127
total	1.6314	0.3239	1.1301	0.8196	1.9602	0.5384	1.8881	0.0887	8.3804

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0090	0.0000	0.0061	0.0052	0.4143	0.2817	0.0757	0.3498	1.1418
15 mph	0.0018	0.0000	0.0012	0.0010	0.0837	0.0568	0.0140	0.0640	0.2225
20 mph	0.0015	0.0000	0.0009	0.0008	0.0721	0.0488	0.0191	0.0800	0.2233
25 mph	0.0047	0.0001	0.0028	0.0025	0.2301	0.1554	0.0823	0.3606	0.8385
30 mph	0.0040	0.0000	0.0023	0.0021	0.1974	0.1329	0.0605	0.2650	0.6644
35 mph	0.0026	0.0000	0.0015	0.0014	0.1336	0.0895	0.0224	0.0983	0.3494
40 mph	0.0007	0.0000	0.0004	0.0004	0.0382	0.0255	0.0214	0.0940	0.1807
45 mph	0.0005	0.0000	0.0003	0.0003	0.0282	0.0188	0.0158	0.0693	0.1332
50 mph	0.0005	0.0000	0.0003	0.0002	0.0260	0.0173	0.0257	0.1127	0.1827
55 mph	0.0004	0.0000	0.0002	0.0002	0.0195	0.0129	0.0065	0.0289	0.0686
60 mph	0.0007	0.0000	0.0003	0.0003	0.0390	0.0258	0.0076	0.0402	0.1141
65 mph	0.0001	0.0000	0.0000	0.0000	0.0054	0.0036	-	-	0.0092
70 mph	-	-	-	-	-	-	-	-	-
total	0.0265	0.0002	0.0164	0.0146	1.2877	0.8690	0.3512	1.5627	4.1284

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0005	0.0009	0.0888	0.0604	-	-	0.1514
15 mph	0.0004	0.0000	0.0002	0.0004	0.0449	0.0305	-	-	0.0764
20 mph	0.0002	0.0000	0.0001	0.0002	0.0193	0.0131	0.0344	0.1442	0.2114
25 mph	0.0002	0.0000	0.0001	0.0002	0.0247	0.0167	0.0472	0.2068	0.2959
30 mph	0.0003	0.0000	0.0002	0.0003	0.0385	0.0259	0.0655	0.2867	0.4173
35 mph	0.0005	0.0000	0.0003	0.0006	0.0716	0.0480	0.0539	0.2362	0.4113
40 mph	0.0005	0.0000	0.0003	0.0006	0.0683	0.0456	0.0424	0.1864	0.3442
45 mph	0.0004	0.0000	0.0002	0.0004	0.0484	0.0322	0.0284	0.1250	0.2350
50 mph	0.0004	0.0000	0.0002	0.0004	0.0502	0.0333	0.0143	0.0625	0.1613
55 mph	0.0002	0.0000	0.0001	0.0002	0.0261	0.0173	0.0078	0.0347	0.0865
60 mph	0.0001	0.0000	0.0001	0.0001	0.0157	0.0104	0.6427	3.3834	4.0525
65 mph	0.0000	0.0000	0.0000	0.0000	0.0058	0.0038	-	-	0.0097
70 mph	0.0018	0.0000	0.0008	0.0019	0.4070	0.2484	-	-	0.6600
total	0.0056	0.0001	0.0031	0.0063	0.9096	0.5856	0.9367	4.6660	7.1129

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2957	0.2002	0.1311	1.1291	1.7560
15 mph	0.0046	0.0000	0.0031	0.0015	0.1300	0.0883	0.0230	0.1047	0.3553
25 mph	-	-	-	-	0.0679	0.0459	0.0536	0.2349	0.4023
35 mph	0.0032	0.0000	0.0019	0.0009	-	-	-	-	0.0060
total	0.0079	0.0001	0.0049	0.0024	0.4936	0.3344	0.2077	1.4687	2.5196

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2957	0.2002	0.1311	1.1291	1.7560
10 mph	0.0097	0.0000	0.0066	0.0061	0.5032	0.3421	0.0757	0.3498	1.2931
15 mph	0.0068	0.0000	0.0045	0.0030	0.2586	0.1756	0.0370	0.1687	0.6542
20 mph	0.0017	0.0000	0.0010	0.0010	0.0915	0.0619	0.0534	0.2242	0.4347
25 mph	0.0049	0.0001	0.0029	0.0027	0.3226	0.2179	0.1832	0.8023	1.5367
30 mph	0.0043	0.0000	0.0025	0.0025	0.2359	0.1588	0.1260	0.5517	1.0817
35 mph	0.0064	0.0001	0.0037	0.0029	0.2052	0.1375	0.0764	0.3345	0.7667
40 mph	0.0012	0.0000	0.0007	0.0010	0.1066	0.0711	0.0639	0.2804	0.5249
45 mph	0.0009	0.0000	0.0005	0.0007	0.0767	0.0510	0.0442	0.1943	0.3682
50 mph	0.0008	0.0000	0.0005	0.0006	0.0763	0.0506	0.0400	0.1753	0.3440
55 mph	0.0005	0.0000	0.0003	0.0004	0.0457	0.0303	0.0144	0.0637	0.1551
60 mph	0.0008	0.0000	0.0004	0.0005	0.0547	0.0362	0.6503	3.4237	4.1666
65 mph	0.0001	0.0000	0.0001	0.0001	0.0113	0.0074	-	-	0.0189
70 mph	0.0018	0.0000	0.0008	0.0019	0.4070	0.2484	-	-	0.6600
total	0.0400	0.0004	0.0245	0.0232	2.6908	1.7890	1.4955	7.6974	13.7609

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1269	0.1269
15 mph								0.0267	0.0267
20 mph								0.0347	0.0347
25 mph								0.1408	0.1408
30 mph								0.0974	0.0974
35 mph								0.0335	0.0335
40 mph								0.0287	0.0287
45 mph								0.0179	0.0179
50 mph								0.0233	0.0233
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.5299	0.5299

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0625	0.0625
25 mph								0.0807	0.0807
30 mph								0.1053	0.1053
35 mph								0.0805	0.0805
40 mph								0.0569	0.0569
45 mph								0.0323	0.0323
50 mph								0.0129	0.0129
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.3291	0.3291

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0018	0.0018
15 mph								0.0438	0.0438
25 mph								0.0917	0.0917
35 mph								-	-
total	-	-	-	-	-	-	-	0.1373	0.1373

Total Emissions Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0018	0.0018
10 mph								0.1269	0.1269
15 mph								0.0705	0.0705
20 mph								0.0972	0.0972
25 mph								0.3132	0.3132
30 mph								0.2027	0.2027
35 mph								0.1140	0.1140
40 mph								0.0856	0.0856
45 mph								0.0503	0.0503
50 mph								0.0362	0.0362
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.0984	1.0984

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2963	0.9056	0.5204	0.5710	0.9362	0.8484	0.5052	1.1157
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS HOTSOAK Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.7554	0.4085	1.1579	2.4845	1.3462	0.3608	0.3496	0.0060
Electric/NG	-	-	-	-	-	-	-	-
Total	**1.7554**	**0.4085**	**1.1579**	**2.4845**	**1.3462**	**0.3608**	**0.3496**	**0.0060**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3203	0.6525	0.5441	0.6992	0.0683	0.0639	0.0527	0.0659
Electric/NG	0.0315	0.0313	0.0314	0.0314	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.9491	0.1472	0.6053	1.5212	0.0491	0.0136	0.0182	0.0002
Electric/NG	0.0043	0.0002	0.0011	0.0022	-	-	-	-
Total	0.9533	0.1473	0.6063	1.5234	0.0491	0.0136	0.0182	0.0002

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1312	0.1874	0.1873	0.2246	0.0769	0.0767	0.1661	0.0014
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.7773	0.0845	0.4167	0.9771	0.1105	0.0326	0.1149	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.7773	0.0845	0.4167	0.9771	0.1105	0.0326	0.1149	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.7479	0.6346	1.3487	1.1363	4.8675
10 mph	0.1951	0.0347	0.1332	0.0932	0.5502	0.3526	0.1119	0.4811	1.9520
15 mph	0.1804	0.0329	0.1238	0.0606	0.2910	0.1828	0.0583	0.2418	1.1717
20 mph	0.0729	0.0138	0.0504	0.0355	0.1109	0.0661	0.0855	0.3252	0.7604
25 mph	0.2526	0.0487	0.1754	0.1171	0.4036	0.2353	0.2861	1.1281	2.6467
30 mph	0.2222	0.0435	0.1549	0.1070	0.2961	0.1716	0.1934	0.7627	1.9512
35 mph	0.3360	0.0667	0.2346	0.1284	0.2584	0.1486	0.1168	0.4536	1.7431
40 mph	0.0673	0.0134	0.0470	0.0438	0.1352	0.0770	0.0982	0.3703	0.8523
45 mph	0.0506	0.0101	0.0353	0.0327	0.0984	0.0554	0.0677	0.2475	0.5978
50 mph	0.0511	0.0102	0.0355	0.0337	0.0992	0.0551	0.0605	0.2140	0.5594
55 mph	0.0360	0.0071	0.0249	0.0222	0.0608	0.0332	0.0212	0.0645	0.2700
60 mph	0.0577	0.0113	0.0397	0.0296	0.0742	0.0400	0.9354	3.4594	4.6473
65 mph	0.0098	0.0019	0.0067	0.0057	0.0154	0.0082	-	-	0.0476
70 mph	0.1398	0.0300	0.0933	0.1331	0.5097	0.2669	-	-	1.1727
RL+HS	1.7554	0.4085	1.1579	2.4845	1.3462	0.3608	0.3496	0.0060	7.8691
RL+DIURN	0.9533	0.1473	0.6063	1.5234	0.0491	0.0136	0.0182	0.0002	3.3114
STREX	0.7773	0.0845	0.4167	0.9771	0.1105	0.0326	0.1149	0.0000	2.5137
total	5.1574	0.9647	3.3355	5.8278	6.1569	2.7345	3.8665	8.8907	**36.9340**

World Logistics Center
Mobile Emissions - 2030 (Net) - Mitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.2806	1.2944	2.4071	27.3278
10 mph	0.0357	0.0818	0.0651	0.0776	0.1372	0.1480	0.2773	4.8202
15 mph	0.0314	0.0706	0.0567	0.0676	0.1208	0.1297	0.2462	4.2602
20 mph	0.0282	0.0626	0.0506	0.0603	0.1112	0.1178	0.2230	3.8641
25 mph	0.0256	0.0563	0.0456	0.0545	0.1025	0.1075	0.2020	3.5463
30 mph	0.0236	0.0518	0.0419	0.0503	0.0967	0.1003	0.1853	3.3145
35 mph	0.0222	0.0486	0.0391	0.0473	0.0929	0.0951	0.1732	3.1491
40 mph	0.0212	0.0465	0.0373	0.0452	0.0900	0.0913	0.1658	3.0291
45 mph	0.0205	0.0454	0.0363	0.0439	0.0883	0.0887	0.1599	2.9535
50 mph	0.0203	0.0455	0.0360	0.0437	0.0884	0.0877	0.1580	2.9287
55 mph	0.0206	0.0469	0.0368	0.0448	0.0904	0.0892	0.1607	2.9719
60 mph	0.0214	0.0498	0.0387	0.0471	0.0937	0.0926	0.1664	3.0691
65 mph	0.0224	0.0533	0.0407	0.0497	0.0989	0.0971		
70 mph	0.0232	0.0598	0.0414	0.0530	0.1108	0.0985		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					40.2746	40.7437	29.2546	28.0058
10 mph	0.0658	0.4625	0.1262	0.0668	0.6232	0.6127	5.1455	10.6991
15 mph	0.0478	0.4553	0.0852	0.0465	0.5187	0.5144	3.6131	7.4477
20 mph	0.0353	0.4554	0.0570	0.0327	0.5003	0.4897	2.8701	5.2751
25 mph	0.0296	0.4612	0.0439	0.0267	0.4908	0.4779	2.2378	4.3790
30 mph	0.0267	0.4697	0.0371	0.0237	0.5108	0.4925	1.6717	3.2719
35 mph	0.0247	0.4771	0.0326	0.0220	0.5488	0.5208	1.2201	2.3908
40 mph	0.0235	0.4923	0.0294	0.0207	0.5808	0.5463	0.8824	1.7404
45 mph	0.0230	0.5111	0.0270	0.0198	0.6047	0.5670	0.6604	1.3138
50 mph	0.0227	0.5269	0.0252	0.0193	0.6392	0.5977	0.5555	1.1000
55 mph	0.0224	0.5492	0.0238	0.0188	0.6467	0.6076	0.5665	1.1615
60 mph	0.0227	0.5705	0.0233	0.0188	0.6581	0.6176	0.6941	1.3958
65 mph	0.0228	0.5778	0.0235	0.0196	0.7398	0.6881		
70 mph	0.0241	0.5384	0.0250	0.0234	1.3840	1.1822		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								31.9450
10 mph								2.8188
15 mph								2.0860
20 mph								1.6209
25 mph								1.3772
30 mph								1.2317
35 mph								1.1271
40 mph								1.0493
45 mph								0.9909
50 mph								0.9480
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.3255	0.0569	0.2231	0.1388	0.1096	0.0350	0.1112	0.0150	1.0150
15 mph	0.1145	0.0196	0.0778	0.0483	0.0386	0.0123	0.0329	0.0044	0.3485
20 mph	0.2055	0.0348	0.1387	0.0863	0.0711	0.0223	0.0596	0.0080	0.6263
25 mph	0.9333	0.1564	0.6249	0.3898	0.3276	0.1016	0.2970	0.0404	2.8711
30 mph	0.9493	0.1583	0.6318	0.3957	0.3398	0.1042	0.2477	0.0343	2.8612
35 mph	0.7293	0.1216	0.4830	0.3041	0.2671	0.0809	0.1042	0.0147	2.1048
40 mph	0.2320	0.0388	0.1536	0.0969	0.0863	0.0259	0.1109	0.0157	0.7599
45 mph	0.1874	0.0315	0.1244	0.0786	0.0705	0.0210	0.0855	0.0122	0.6110
50 mph	0.1852	0.0316	0.1233	0.0781	0.0706	0.0207	0.1374	0.0197	0.6665
55 mph	0.1502	0.0261	0.1010	0.0640	0.0578	0.0169	0.0322	0.0046	0.4527
60 mph	0.3128	0.0554	0.2124	0.1346	0.1198	0.0350	0.0334	0.0048	0.9081
65 mph	0.0408	0.0074	0.0279	0.0178	0.0158	0.0046	-	-	0.1143
70 mph	-	-	-	-	-	-	-	-	-
total	4.3658	0.7384	2.9218	1.8330	1.5745	0.4802	1.2520	0.1737	13.3395

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0269	0.0047	0.0185	0.0240	0.0235	0.0075	-	-	0.1050
15 mph	0.0237	0.0041	0.0161	0.0209	0.0207	0.0066	-	-	0.0919
20 mph	0.0212	0.0036	0.0143	0.0186	0.0191	0.0060	0.1075	0.0144	0.2047
25 mph	0.0386	0.0065	0.0258	0.0337	0.0351	0.0109	0.1704	0.0232	0.3441
30 mph	0.0714	0.0119	0.0475	0.0621	0.0662	0.0203	0.2680	0.0371	0.5846
35 mph	0.1508	0.0251	0.0999	0.1313	0.1432	0.0434	0.2504	0.0353	0.8793
40 mph	0.1599	0.0267	0.1058	0.1395	0.1542	0.0462	0.2198	0.0311	0.8833
45 mph	0.1240	0.0209	0.0823	0.1085	0.1210	0.0360	0.1541	0.0220	0.6688
50 mph	0.1378	0.0235	0.0917	0.1215	0.1362	0.0400	0.0762	0.0109	0.6379
55 mph	0.0776	0.0135	0.0522	0.0691	0.0774	0.0226	0.0387	0.0055	0.3567
60 mph	0.0485	0.0086	0.0329	0.0436	0.0482	0.0141	2.8072	0.4009	3.4040
65 mph	0.0169	0.0031	0.0115	0.0154	0.0169	0.0049	-	-	0.0687
70 mph	0.8049	0.1582	0.5396	0.7522	0.8729	0.2296	-	-	3.3574
total	1.7022	0.3103	1.1382	1.5404	1.7346	0.4879	4.0923	0.5805	11.5865

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1266	0.0379	0.1081	0.0133	0.2859
15 mph	0.2950	0.0506	0.2004	0.0701	0.0600	0.0190	0.0539	0.0072	0.7562
25 mph	-	-	-	-	0.0967	0.0300	0.1935	0.0263	0.3465
35 mph	0.8980	0.1497	0.5947	0.1939	-	-	-	-	1.8363
total	1.1930	0.2003	0.7950	0.2640	0.2833	0.0869	0.3556	0.0468	3.2249

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1266	0.0379	0.1081	0.0133	0.2859
10 mph	0.3525	0.0616	0.2415	0.1627	0.1331	0.0424	0.1112	0.0150	1.1200
15 mph	0.4332	0.0742	0.2942	0.1393	0.1193	0.0379	0.0868	0.0116	1.1966
20 mph	0.2268	0.0384	0.1531	0.1049	0.0901	0.0282	0.1671	0.0224	0.8310
25 mph	0.9719	0.1629	0.6508	0.4235	0.4594	0.1425	0.6609	0.0899	3.5618
30 mph	1.0207	0.1702	0.6793	0.4578	0.4061	0.1245	0.5157	0.0714	3.4458
35 mph	1.7781	0.2965	1.1775	0.6293	0.4102	0.1243	0.3546	0.0499	4.8203
40 mph	0.3918	0.0655	0.2594	0.2364	0.2405	0.0721	0.3307	0.0468	1.6432
45 mph	0.3113	0.0524	0.2066	0.1871	0.1915	0.0569	0.2396	0.0343	1.2798
50 mph	0.3230	0.0551	0.2150	0.1996	0.2068	0.0607	0.2135	0.0306	1.3044
55 mph	0.2278	0.0396	0.1532	0.1331	0.1352	0.0394	0.0710	0.0102	0.8094
60 mph	0.3613	0.0640	0.2454	0.1782	0.1679	0.0491	2.8406	0.4057	4.3121
65 mph	0.0577	0.0105	0.0394	0.0331	0.0327	0.0095	-	-	0.1831
70 mph	0.8049	0.1582	0.5396	0.7522	0.8729	0.2296	-	-	3.3574
total	7.2610	1.2490	4.8551	3.6374	3.5924	1.0550	5.6999	0.8011	28.1508

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0067	0.0001	0.0039	0.0037	0.4691	0.3123	11.9163	45.5508	58.2628
15 mph	0.0019	0.0000	0.0011	0.0010	0.1562	0.1049	2.7891	10.5693	13.6235
20 mph	0.0029	0.0000	0.0014	0.0014	0.3013	0.1997	4.4312	14.9721	19.9101
25 mph	0.0120	0.0002	0.0055	0.0059	1.4776	0.9744	19.0018	68.3593	89.8367
30 mph	0.0119	0.0002	0.0051	0.0058	1.6919	1.1045	12.9047	46.4324	62.1565
35 mph	0.0090	0.0002	0.0036	0.0044	1.4872	0.9556	4.2383	15.2682	21.9665
40 mph	0.0029	0.0001	0.0011	0.0014	0.5246	0.3341	3.4059	12.3492	16.6192
45 mph	0.0023	0.0001	0.0008	0.0011	0.4552	0.2890	2.0393	7.4576	10.2453
50 mph	0.0023	0.0001	0.0008	0.0011	0.4811	0.3046	2.7872	10.1469	13.7241
55 mph	0.0018	0.0001	0.0006	0.0008	0.3894	0.2477	0.6560	2.4725	3.7690
60 mph	0.0037	0.0001	0.0012	0.0017	0.7925	0.5036	0.8037	2.9713	5.0778
65 mph	0.0005	0.0000	0.0001	0.0002	0.1114	0.0701	-	-	0.1823
70 mph	-	-	-	-	-	-	-	-	-
total	0.0579	0.0012	0.0252	0.0284	8.3375	5.4006	64.9734	236.5497	315.3738

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0003	0.0006	0.1006	0.0670	-	-	0.1691
15 mph	0.0004	0.0000	0.0002	0.0004	0.0837	0.0562	-	-	0.1410
20 mph	0.0003	0.0000	0.0001	0.0003	0.0808	0.0535	7.9884	26.9911	35.1145
25 mph	0.0005	0.0000	0.0002	0.0005	0.1584	0.1045	10.8995	39.2111	50.3747
30 mph	0.0009	0.0000	0.0004	0.0009	0.3298	0.2153	13.9584	50.2237	64.7294
35 mph	0.0019	0.0000	0.0008	0.0019	0.7973	0.5123	10.1874	36.6998	48.2013
40 mph	0.0020	0.0000	0.0008	0.0020	0.9375	0.5971	6.7539	24.4888	32.7821
45 mph	0.0015	0.0000	0.0006	0.0015	0.7808	0.4958	3.6763	13.4442	18.4007
50 mph	0.0017	0.0000	0.0006	0.0017	0.9285	0.5879	1.5460	5.6284	8.6949
55 mph	0.0009	0.0000	0.0003	0.0009	0.5219	0.3320	0.7884	2.9716	4.6160
60 mph	0.0006	0.0000	0.0002	0.0005	0.3186	0.2025	67.6159	249.9730	318.1114
65 mph	0.0002	0.0000	0.0001	0.0002	0.1194	0.0752	-	-	0.1951
70 mph	0.0093	0.0002	0.0029	0.0103	10.2758	5.9434	-	-	16.2419
total	0.0207	0.0005	0.0074	0.0217	15.4332	9.2426	123.4142	449.6318	597.7721

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.7528	2.5706	7.5875	13.3533	27.2642
15 mph	0.0050	0.0001	0.0027	0.0015	0.2427	0.1630	4.5681	17.3105	22.2935
25 mph	-	-	-	-	0.4361	0.2875	12.3806	44.5392	57.6434
35 mph	0.0111	0.0003	0.0045	0.0028	-	-	-	-	0.0186
total	0.0161	0.0003	0.0072	0.0043	4.4315	3.0211	24.5361	75.2031	107.2197

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.7528	2.5706	7.5875	13.3533	27.2642
10 mph	0.0072	0.0001	0.0042	0.0043	0.5697	0.3792	11.9163	45.5508	58.4318
15 mph	0.0073	0.0001	0.0040	0.0030	0.4826	0.3241	7.3572	27.8798	36.0580
20 mph	0.0032	0.0000	0.0016	0.0018	0.3821	0.2532	12.4195	41.9632	55.0245
25 mph	0.0125	0.0002	0.0057	0.0064	2.0721	1.3664	42.2819	152.1096	197.8548
30 mph	0.0128	0.0003	0.0054	0.0067	2.0217	1.3198	26.8631	96.6560	126.8859
35 mph	0.0220	0.0005	0.0089	0.0091	2.2844	1.4679	14.4256	51.9681	70.1865
40 mph	0.0048	0.0001	0.0018	0.0033	1.4622	0.9312	10.1598	36.8380	49.4013
45 mph	0.0039	0.0001	0.0014	0.0026	1.2360	0.7847	5.7156	20.9018	28.6461
50 mph	0.0040	0.0001	0.0014	0.0027	1.4096	0.8926	4.3332	15.7754	22.4190
55 mph	0.0028	0.0001	0.0009	0.0017	0.9113	0.5797	1.4444	5.4441	8.3850
60 mph	0.0042	0.0001	0.0013	0.0022	1.1112	0.7061	68.4196	252.9444	323.1891
65 mph	0.0007	0.0000	0.0002	0.0004	0.2308	0.1453	-	-	0.3774
70 mph	0.0093	0.0002	0.0029	0.0103	10.2758	5.9434	-	-	16.2419
total	0.0947	0.0020	0.0398	0.0544	28.2022	17.6643	212.9237	761.3845	1,020.3656

NOX Emissions (pounds/day) - Electric /Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.7607	0.7607
15 mph								0.1877	0.1877
20 mph								0.2916	0.2916
25 mph								1.3628	1.3628
30 mph								1.1081	1.1081
35 mph								0.4563	0.4563
40 mph								0.4720	0.4720
45 mph								0.3566	0.3566
50 mph								0.5543	0.5543
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.5500	5.5500

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.5257	0.5257
25 mph								0.7817	0.7817
30 mph								1.1985	1.1985
35 mph								1.0967	1.0967
40 mph								0.9359	0.9359
45 mph								0.6428	0.6428
50 mph								0.3075	0.3075
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.6027	3.6027

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.9655	0.9655
15 mph								0.3073	0.3073
25 mph								0.8879	0.8879
35 mph								-	-
total	-	-	-	-	-	-	-	2.1608	2.1608

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.9655	0.9655
10 mph								0.7607	0.7607
15 mph								0.4950	0.4950
20 mph								0.8174	0.8174
25 mph								3.0324	3.0324
30 mph								2.3066	2.3066
35 mph								1.5530	1.5530
40 mph								1.4079	1.4079
45 mph								0.9994	0.9994
50 mph								0.8618	0.8618
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	13.1997	13.1997

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.8794	2.6085	7.6956	14.3321	28.5156
10 mph	0.3597	0.0616	0.2458	0.1670	0.7028	0.4217	12.0275	46.3265	60.3126
15 mph	0.4406	0.0743	0.2982	0.1422	0.6019	0.3619	7.4440	28.3864	37.7496
20 mph	0.2299	0.0385	0.1546	0.1067	0.4722	0.2814	12.5866	42.8030	56.6730
25 mph	0.9844	0.1631	0.6564	0.4299	2.5315	1.5089	42.9428	155.2319	204.4490
30 mph	1.0335	0.1705	0.6848	0.4645	2.4278	1.4444	27.3788	99.0341	132.6382
35 mph	1.8000	0.2970	1.1864	0.6384	2.6946	1.5922	14.7802	53.5710	76.5598
40 mph	0.3967	0.0656	0.2613	0.2398	1.7026	1.0034	10.4904	38.2927	52.4524
45 mph	0.3152	0.0525	0.2080	0.1897	1.4275	0.8417	5.9552	21.9355	30.9252
50 mph	0.3270	0.0552	0.2164	0.2024	1.6164	0.9533	4.5468	16.6678	24.5852
55 mph	0.2305	0.0396	0.1541	0.1348	1.0465	0.6192	1.5154	5.4542	9.1944
60 mph	0.3656	0.0641	0.2467	0.1804	1.2791	0.7551	71.2602	253.3501	327.5012
65 mph	0.0584	0.0105	0.0397	0.0335	0.2635	0.1548	-	-	0.5605
70 mph	0.8142	0.1584	0.5425	0.7625	11.1487	6.1729	-	-	19.5993
STREX	0.8007	0.0768	0.3932	0.9021	0.5655	0.1728	8.8383	18.0205	29.7699
total	8.1564	1.3278	5.2880	4.5939	32.3601	18.8920	227.4620	793.4058	**1,091.4860**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1351	0.1703	0.1767	0.2073	0.3933	0.4062	0.3299	0.1787
Diesel	-	-	-	-	-	-	2.1546	2.4528
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.8007	0.0768	0.3932	0.9021	0.5655	0.1728	0.2283	0.0010
Diesel	-	-	-	-	-	-	8.6100	18.0196
Electric/NG	-	-	-	-	-	-	-	-
Total	0.8007	0.0768	0.3932	0.9021	0.5655	0.1728	8.8383	18.0205

World Logistics Center
Mobile Emissions - 2030 (Net) - Mitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					154.7163	154.9115	387.2248	275.5741
10 mph	0.8018	1.2472	1.0695	1.1489	0.6645	0.4589	0.9081	50.0157
15 mph	0.7310	1.1221	0.9713	1.0410	0.5518	0.4027	0.8249	45.2473
20 mph	0.6690	1.0191	0.8868	0.9496	0.4810	0.3603	0.7570	41.2463
25 mph	0.6130	0.9271	0.8100	0.8674	0.4217	0.3228	0.6846	37.6863
30 mph	0.5633	0.8480	0.7423	0.7956	0.3782	0.2921	0.6191	34.5619
35 mph	0.5193	0.7805	0.6827	0.7332	0.3479	0.2678	0.5650	31.8563
40 mph	0.4815	0.7240	0.5885	0.6800	0.3277	0.2497	0.5258	29.5735
45 mph	0.4491	0.6759	0.5903	0.6346	0.3142	0.2349	0.4864	27.5326
50 mph	0.4188	0.6340	0.5504	0.5932	0.3076	0.2225	0.4555	25.7345
55 mph	0.3896	0.5942	0.5132	0.5541	0.3113	0.2155	0.4324	24.1778
60 mph	0.3572	0.5499	0.4717	0.5108	0.3218	0.2113	0.4099	22.7680
65 mph	0.3305	0.5156	0.4375	0.4757	0.3530	0.2152		
70 mph	0.3210	0.5316	0.4228	0.4672	0.3558	0.1871		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	21.3900	34.9562
10 mph	2.1477	2.3601	1.9009	2.3440	2.3336	2.3648	0.4868	1.3684
15 mph	1.0537	1.4121	0.9295	1.1453	1.1798	1.1929	0.2636	0.7322
20 mph	0.4172	0.8463	0.3630	0.4489	0.5178	0.5202	0.1761	0.4503
25 mph	0.2540	0.6394	0.2186	0.2719	0.3361	0.3363	0.1346	0.3588
30 mph	0.1933	0.5368	0.1654	0.2068	0.2674	0.2664	0.1033	0.2753
35 mph	0.1550	0.4755	0.1318	0.1659	0.2273	0.2249	0.0779	0.2076
40 mph	0.1291	0.4464	0.1090	0.1376	0.2016	0.1983	0.0583	0.1561
45 mph	0.1108	0.4420	0.0926	0.1173	0.1859	0.1818	0.0448	0.1200
50 mph	0.0978	0.4600	0.0805	0.1026	0.1805	0.1754	0.0371	0.0990
55 mph	0.0881	0.5083	0.0713	0.0914	0.1796	0.1739	0.0353	0.0956
60 mph	0.0857	0.5929	0.0678	0.0875	0.1926	0.1854	0.0395	0.1060
65 mph	0.0885	0.7243	0.0686	0.0899	0.2359	0.2246		
70 mph	0.0922	0.8068	0.0699	0.0963	0.4193	0.3711		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								33.5631
10 mph								35.3564
15 mph								24.8952
20 mph								18.0062
25 mph								13.1981
30 mph								9.7296
35 mph								7.1736
40 mph								5.2901
45 mph								3.9023
50 mph								2.8799
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	7.3175	0.8666	3.6654	2.0539	0.5307	0.1084	0.3642	0.1553	15.0621
15 mph	2.6686	0.3119	1.3315	0.7444	0.1763	0.0381	0.1103	0.0468	5.4278
20 mph	4.8847	0.5665	2.4313	1.3581	0.3074	0.0681	0.2024	0.0854	9.9039
25 mph	22.3774	2.5767	11.1035	6.2023	1.3472	0.3051	1.0069	0.4292	45.3482
30 mph	22.6184	2.5926	11.1930	6.2583	1.3292	0.3036	0.8278	0.3578	45.4805
35 mph	17.0611	1.9524	8.4223	4.7184	1.0005	0.2277	0.3399	0.1484	33.8708
40 mph	5.2730	0.6037	2.4203	1.4589	0.3141	0.0708	0.3515	0.1531	10.6454
45 mph	4.0987	0.4696	2.0229	1.1345	0.2510	0.0555	0.2602	0.1140	8.4064
50 mph	3.8217	0.4406	1.8864	1.0604	0.2457	0.0526	0.3959	0.1732	8.0763
55 mph	2.8448	0.3303	1.4070	0.7925	0.1989	0.0407	0.0867	0.0375	5.7384
60 mph	5.2165	0.6113	2.5865	1.4610	0.4113	0.0799	0.0822	0.0354	10.4841
65 mph	0.6033	0.0717	0.2999	0.1701	0.0564	0.0102	-	-	1.2115
70 mph	-	-	-	-	-	-	-	-	-
total	98.7857	11.3938	48.7700	27.4127	6.1685	1.3605	4.0281	1.7361	199.6554

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.6052	0.0717	0.3031	0.3548	0.1138	0.0232	-	-	1.4718
15 mph	0.5518	0.0645	0.2753	0.3214	0.0945	0.0204	-	-	1.3279
20 mph	0.5050	0.0586	0.2514	0.2932	0.0824	0.0183	0.3649	0.1540	1.7276
25 mph	0.9254	0.1066	0.4592	0.5357	0.1444	0.0327	0.5776	0.2462	3.0276
30 mph	1.7006	0.1949	0.8416	0.9827	0.2591	0.0592	0.8954	0.3870	5.3205
35 mph	3.5276	0.4037	1.7414	2.0375	0.5363	0.1221	0.8171	0.3567	9.5425
40 mph	3.6342	0.4161	1.6681	2.0999	0.5613	0.1265	0.6971	0.3036	9.5068
45 mph	2.7119	0.3107	1.3384	1.5677	0.4306	0.0952	0.4690	0.2055	7.1291
50 mph	2.8447	0.3279	1.4042	1.6484	0.4741	0.1014	0.2196	0.0961	7.1163
55 mph	1.4705	0.1707	0.7273	0.8555	0.2666	0.0546	0.1042	0.0451	3.6945
60 mph	0.8089	0.0948	0.4011	0.4732	0.1654	0.0321	6.9163	2.9744	11.8661
65 mph	0.2495	0.0296	0.1240	0.1469	0.0605	0.0109	-	-	0.6214
70 mph	11.1462	1.4052	5.5121	6.6368	2.8033	0.4359	-	-	27.9395
total	30.6814	3.6550	15.0472	17.9538	5.9923	1.1324	11.0611	4.7685	90.2917

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	15.2975	4.5301	17.3950	0.1340	37.3565
15 mph	6.8730	0.8032	3.4292	1.0804	0.2739	0.0591	0.1806	0.0767	12.7763
25 mph	-	-	-	-	0.3976	0.0900	0.6560	0.2796	1.4232
35 mph	21.0072	2.4040	10.3704	3.0085	-	-	-	-	36.7901
total	27.8803	3.2073	13.7996	4.0888	15.9690	4.6792	18.2317	0.4903	88.3462

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	15.2975	4.5301	17.3950	0.1340	37.3565
10 mph	7.9227	0.9383	3.9685	2.4087	0.6445	0.1316	0.3642	0.1553	16.5339
15 mph	10.0934	1.1796	5.0360	2.1462	0.5448	0.1176	0.2909	0.1236	19.5320
20 mph	5.3897	0.6251	2.6827	1.6513	0.3897	0.0863	0.5673	0.2393	11.6315
25 mph	23.3028	2.6832	11.5627	6.7380	1.8892	0.4278	2.2405	0.9549	49.7991
30 mph	24.3190	2.7875	12.0345	7.2411	1.5883	0.3628	1.7232	0.7448	50.8010
35 mph	41.5960	4.7602	20.5341	9.7644	1.5368	0.3498	1.1571	0.5051	80.2034
40 mph	8.9073	1.0198	4.0884	3.5588	0.8754	0.1973	1.0486	0.4566	20.1523
45 mph	6.8107	0.7803	3.3614	2.7022	0.6815	0.1507	0.7292	0.3195	15.5355
50 mph	6.6663	0.7685	3.2906	2.7088	0.7198	0.1540	0.6154	0.2692	15.1926
55 mph	4.3153	0.5011	2.1343	1.6480	0.4655	0.0953	0.1909	0.0827	9.4330
60 mph	6.0254	0.7061	2.9876	1.9342	0.5766	0.1120	6.9985	3.0097	22.3502
65 mph	0.8528	0.1013	0.4239	0.3170	0.1168	0.0211	-	-	1.8328
70 mph	11.1462	1.4052	5.5121	6.6368	2.8033	0.4359	-	-	27.9395
total	157.3474	18.2561	77.6168	49.4553	28.1297	7.1722	33.3209	6.9948	378.2933

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.2178	0.0003	0.0590	0.1293	1.7565	1.2052	1.1272	5.8257	10.3211
15 mph	0.0427	0.0001	0.0115	0.0253	0.3552	0.2432	0.2035	1.0390	1.9205
20 mph	0.0339	0.0001	0.0090	0.0198	0.3118	0.2121	0.2718	1.2781	2.1366
25 mph	0.1030	0.0003	0.0271	0.0600	1.0120	0.6857	1.1426	5.6009	8.6316
30 mph	0.0863	0.0003	0.0226	0.0502	0.8855	0.5975	0.7971	3.9063	6.3457
35 mph	0.0566	0.0002	0.0147	0.0329	0.6159	0.4127	0.2705	1.3259	2.7294
40 mph	0.0157	0.0001	0.0041	0.0091	0.1821	0.1213	0.2252	1.1073	1.6649
45 mph	0.0112	0.0001	0.0029	0.0065	0.1399	0.0927	0.1382	0.6812	1.0726
50 mph	0.0099	0.0001	0.0025	0.0057	0.1359	0.0894	0.1861	0.9133	1.3429
55 mph	0.0072	0.0000	0.0018	0.0040	0.1081	0.0709	0.0409	0.2035	0.4365
60 mph	0.0139	0.0001	0.0034	0.0077	0.2319	0.1512	0.0457	0.2256	0.6796
65 mph	0.0018	0.0000	0.0004	0.0010	0.0355	0.0229	-	-	0.0616
70 mph	-	-	-	-	-	-	-	-	-
total	0.6000	0.0016	0.1590	0.3515	5.7704	3.9048	4.4489	22.1069	37.3431

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0180	0.0000	0.0049	0.0223	0.3767	0.2584	-	-	0.6804
15 mph	0.0088	0.0000	0.0024	0.0109	0.1904	0.1304	-	-	0.3430
20 mph	0.0035	0.0000	0.0009	0.0043	0.0836	0.0568	0.4901	2.3041	2.9433
25 mph	0.0043	0.0000	0.0011	0.0052	0.1085	0.0735	0.6554	3.2127	4.0607
30 mph	0.0065	0.0000	0.0017	0.0079	0.1726	0.1165	0.8622	4.2253	5.3926
35 mph	0.0117	0.0000	0.0030	0.0142	0.3302	0.2212	0.6501	3.1869	4.4175
40 mph	0.0108	0.0000	0.0028	0.0131	0.3255	0.2167	0.4466	2.1958	3.2114
45 mph	0.0074	0.0000	0.0019	0.0089	0.2400	0.1589	0.2491	1.2280	1.8944
50 mph	0.0074	0.0000	0.0019	0.0088	0.2622	0.1726	0.1032	0.5066	1.0627
55 mph	0.0037	0.0000	0.0009	0.0044	0.1449	0.0950	0.0492	0.2446	0.5428
60 mph	0.0022	0.0000	0.0005	0.0025	0.0933	0.0608	3.8486	18.9808	22.9886
65 mph	0.0007	0.0000	0.0002	0.0009	0.0381	0.0246	-	-	0.0644
70 mph	0.0356	0.0004	0.0083	0.0422	3.1132	1.8655	-	-	5.0651
total	0.1206	0.0007	0.0305	0.1456	5.4791	3.4510	7.3545	36.0848	52.6668

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.4506	1.6593	5.5477	16.6673	26.3250
15 mph	0.1101	0.0002	0.0297	0.0367	0.5520	0.3779	0.3332	1.7018	3.1415
25 mph	-	-	-	-	0.2986	0.2023	0.7445	3.6492	4.8947
35 mph	0.0697	0.0003	0.0181	0.0210	-	-	-	-	0.1091
total	0.1798	0.0004	0.0479	0.0577	3.3012	2.2396	6.6254	22.0183	34.4703

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.4506	1.6593	5.5477	16.6673	26.3250
10 mph	0.2358	0.0003	0.0639	0.1516	2.1332	1.4637	1.1272	5.8257	11.0015
15 mph	0.1617	0.0003	0.0437	0.0729	1.0976	0.7514	0.5367	2.7408	5.4050
20 mph	0.0373	0.0001	0.0099	0.0241	0.3954	0.2689	0.7619	3.5822	5.0799
25 mph	0.1073	0.0003	0.0283	0.0652	1.4192	0.9615	2.5425	12.4628	17.5870
30 mph	0.0928	0.0003	0.0243	0.0581	1.0581	0.7140	1.6593	8.1316	11.7384
35 mph	0.1380	0.0005	0.0359	0.0682	0.9461	0.6339	0.9206	4.5128	7.2560
40 mph	0.0265	0.0001	0.0069	0.0222	0.5076	0.3380	0.6718	3.3031	4.8762
45 mph	0.0187	0.0001	0.0048	0.0154	0.3799	0.2516	0.3873	1.9092	2.9669
50 mph	0.0173	0.0001	0.0044	0.0145	0.3980	0.2620	0.2894	1.4200	2.4056
55 mph	0.0108	0.0001	0.0027	0.0084	0.2531	0.1660	0.0901	0.4482	0.9793
60 mph	0.0161	0.0001	0.0039	0.0102	0.3252	0.2120	3.8944	19.2064	23.6683
65 mph	0.0025	0.0000	0.0006	0.0018	0.0736	0.0475	-	-	0.1261
70 mph	0.0356	0.0004	0.0083	0.0422	3.1132	1.8655	-	-	5.0651
total	0.9005	0.0027	0.2374	0.5548	14.5508	9.5953	18.4288	80.2100	124.4802

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								9.5418	9.5418
15 mph								2.2395	2.2395
20 mph								3.2396	3.2396
25 mph								13.0602	13.0602
30 mph								8.7526	8.7526
35 mph								2.9040	2.9040
40 mph								2.3794	2.3794
45 mph								1.4042	1.4042
50 mph								1.6840	1.6840
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	45.2053	45.2053

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								5.8402	5.8402
25 mph								7.4913	7.4913
30 mph								9.4673	9.4673
35 mph								6.9802	6.9802
40 mph								4.7185	4.7185
45 mph								2.5314	2.5314
50 mph								0.9341	0.9341
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	29.7790	29.7790

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.0144	1.0144
15 mph								3.6679	3.6679
25 mph								8.5093	8.5093
35 mph								-	-
total	-	-	-	-	-	-	-	13.1917	13.1917

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.0144	1.0144
10 mph								9.5418	9.5418
15 mph								5.9075	5.9075
20 mph								9.0799	9.0799
25 mph								29.0608	29.0608
30 mph								18.2199	18.2199
35 mph								9.8841	9.8841
40 mph								7.0979	7.0979
45 mph								3.9356	3.9356
50 mph								2.6181	2.6181
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	96.3600	96.3600

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	17.7481	6.1894	22.9427	17.8157	64.6959
10 mph	8.1585	0.9386	4.0324	2.5603	2.7777	1.5953	1.4915	15.5229	37.0773
15 mph	10.2551	1.1798	5.0796	2.2190	1.6424	0.8690	0.8276	8.7718	30.8444
20 mph	5.4271	0.6252	2.6926	1.6754	0.7851	0.3553	1.3292	12.9014	25.7913
25 mph	23.4101	2.6836	11.5910	6.8031	3.3084	1.3893	4.7830	42.4785	96.4469
30 mph	24.4117	2.7878	12.0588	7.2991	2.6464	1.0768	3.3824	27.0963	80.7593
35 mph	41.7340	4.7607	20.5700	9.8326	2.4829	0.9837	2.0776	14.9020	97.3435
40 mph	8.9338	1.0199	4.0953	3.5810	1.3830	0.5353	1.7204	10.8576	32.1264
45 mph	6.8293	0.7804	3.3661	2.7176	1.0614	0.4023	1.1164	6.1643	22.4380
50 mph	6.6836	0.7686	3.2950	2.7233	1.1178	0.4159	0.9048	4.3072	20.2162
55 mph	4.3261	0.5011	2.1370	1.6564	0.7185	0.2613	0.2810	0.5308	10.4123
60 mph	6.0415	0.7063	2.9915	1.9445	0.9018	0.3240	10.8928	22.2161	46.0184
65 mph	0.8553	0.1013	0.4245	0.3188	0.1904	0.0685	-	-	1.9589
70 mph	11.1817	1.4056	5.5203	6.6790	5.9166	2.3014	-	-	33.0046
STREX	10.1835	0.8181	4.8821	10.3385	2.1662	0.6228	2.3432	0.0271	31.3814
total	168.4313	19.0769	82.7362	60.3486	44.8468	17.3903	54.0929	183.5918	**630.5148**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.7187	1.8134	2.1942	2.3761	1.5064	1.4643	3.3855	5.0514
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	10.1835	0.8181	4.8821	10.3385	2.1662	0.6228	2.3432	0.0271
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	10.1835	0.8181	4.8821	10.3385	2.1662	0.6228	2.3432	0.0271

World Logistics Center
Mobile Emissions - 2030 (Net) - Mitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0522	0.0522	0.1319	0.2044
10 mph	0.0043	0.0050	0.0051	0.0063	0.0137	0.0158	0.0282	0.0333
15 mph	0.0035	0.0041	0.0042	0.0051	0.0112	0.0129	0.0231	0.0273
20 mph	0.0029	0.0034	0.0035	0.0043	0.0093	0.0107	0.0192	0.0227
25 mph	0.0025	0.0029	0.0030	0.0037	0.0080	0.0092	0.0164	0.0195
30 mph	0.0022	0.0026	0.0026	0.0032	0.0071	0.0081	0.0146	0.0173
35 mph	0.0020	0.0024	0.0024	0.0030	0.0065	0.0075	0.0135	0.0160
40 mph	0.0020	0.0023	0.0024	0.0029	0.0063	0.0073	0.0131	0.0155
45 mph	0.0020	0.0023	0.0024	0.0029	0.0064	0.0073	0.0131	0.0155
50 mph	0.0020	0.0024	0.0024	0.0030	0.0066	0.0075	0.0135	0.0159
55 mph	0.0021	0.0025	0.0025	0.0031	0.0068	0.0078	0.0141	0.0165
60 mph	0.0022	0.0026	0.0026	0.0032	0.0071	0.0082	0.0146	0.0172
65 mph	0.0022	0.0026	0.0027	0.0033	0.0073	0.0084		
70 mph	0.0023	0.0027	0.0027	0.0034	0.0074	0.0085		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0326	0.0527	0.0545	0.0491
10 mph	0.0034	0.0073	0.0046	0.0057	0.0085	0.0095	0.0165	0.0259
15 mph	0.0028	0.0061	0.0038	0.0049	0.0055	0.0063	0.0130	0.0193
20 mph	0.0023	0.0050	0.0031	0.0040	0.0047	0.0054	0.0111	0.0162
25 mph	0.0019	0.0042	0.0026	0.0034	0.0042	0.0048	0.0097	0.0137
30 mph	0.0017	0.0036	0.0023	0.0030	0.0038	0.0043	0.0085	0.0120
35 mph	0.0015	0.0032	0.0021	0.0027	0.0038	0.0043	0.0076	0.0109
40 mph	0.0014	0.0030	0.0019	0.0025	0.0037	0.0042	0.0069	0.0100
45 mph	0.0014	0.0029	0.0018	0.0024	0.0036	0.0040	0.0066	0.0094
50 mph	0.0014	0.0029	0.0018	0.0024	0.0038	0.0042	0.0065	0.0092
55 mph	0.0014	0.0030	0.0019	0.0026	0.0039	0.0043	0.0067	0.0095
60 mph	0.0016	0.0033	0.0021	0.0028	0.0040	0.0043	0.0071	0.0101
65 mph	0.0018	0.0036	0.0024	0.0031	0.0040	0.0043		
70 mph	0.0019	0.0038	0.0025	0.0034	0.0041	0.0044		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0389	0.0035	0.0175	0.0112	0.0109	0.0037	0.0113	0.0001	0.0971
15 mph	0.0127	0.0011	0.0057	0.0037	0.0036	0.0012	0.0031	0.0000	0.0311
20 mph	0.0211	0.0019	0.0095	0.0061	0.0059	0.0020	0.0051	0.0000	0.0518
25 mph	0.0904	0.0081	0.0406	0.0261	0.0254	0.0087	0.0241	0.0002	0.2236
30 mph	0.0882	0.0079	0.0397	0.0255	0.0248	0.0084	0.0195	0.0002	0.2143
35 mph	0.0670	0.0060	0.0301	0.0194	0.0188	0.0064	0.0081	0.0001	0.1559
40 mph	0.0216	0.0019	0.0097	0.0063	0.0061	0.0021	0.0087	0.0001	0.0565
45 mph	0.0181	0.0016	0.0081	0.0052	0.0051	0.0017	0.0070	0.0001	0.0470
50 mph	0.0187	0.0017	0.0084	0.0054	0.0052	0.0018	0.0117	0.0001	0.0530
55 mph	0.0155	0.0014	0.0070	0.0045	0.0044	0.0015	0.0028	0.0000	0.0370
60 mph	0.0319	0.0029	0.0144	0.0093	0.0091	0.0031	0.0029	0.0000	0.0736
65 mph	0.0041	0.0004	0.0018	0.0012	0.0012	0.0004	-	-	0.0091
70 mph	-	-	-	-	-	-	-	-	-
total	0.4282	0.0382	0.1926	0.1239	0.1205	0.0410	0.1046	0.0010	1.0501

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0032	0.0003	0.0014	0.0019	0.0023	0.0008	-	-	0.0100
15 mph	0.0026	0.0002	0.0012	0.0016	0.0019	0.0007	-	-	0.0082
20 mph	0.0022	0.0002	0.0010	0.0013	0.0016	0.0005	0.0092	0.0001	0.0161
25 mph	0.0037	0.0003	0.0017	0.0023	0.0027	0.0009	0.0138	0.0001	0.0256
30 mph	0.0066	0.0006	0.0030	0.0040	0.0048	0.0016	0.0211	0.0002	0.0420
35 mph	0.0138	0.0012	0.0062	0.0084	0.0101	0.0034	0.0196	0.0002	0.0630
40 mph	0.0149	0.0013	0.0067	0.0090	0.0109	0.0037	0.0173	0.0002	0.0640
45 mph	0.0120	0.0011	0.0054	0.0072	0.0087	0.0030	0.0127	0.0001	0.0502
50 mph	0.0139	0.0012	0.0062	0.0084	0.0101	0.0034	0.0065	0.0001	0.0499
55 mph	0.0080	0.0007	0.0036	0.0049	0.0058	0.0020	0.0034	0.0000	0.0284
60 mph	0.0050	0.0004	0.0022	0.0030	0.0036	0.0012	0.2466	0.0022	0.2643
65 mph	0.0017	0.0002	0.0008	0.0010	0.0013	0.0004	-	-	0.0053
70 mph	0.0788	0.0071	0.0355	0.0485	0.0584	0.0198	-	-	0.2481
total	0.1665	0.0149	0.0749	0.1016	0.1223	0.0416	0.3502	0.0032	0.8752

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0052	0.0015	0.0059	0.0001	0.0127
15 mph	0.0327	0.0029	0.0147	0.0053	0.0056	0.0019	0.0051	0.0000	0.0682
25 mph	-	-	-	-	0.0075	0.0026	0.0157	0.0001	0.0259
35 mph	0.0824	0.0074	0.0371	0.0124	-	-	-	-	0.1393
total	0.1152	0.0103	0.0518	0.0177	0.0182	0.0060	0.0267	0.0003	0.2461

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0052	0.0015	0.0059	0.0001	0.0127
10 mph	0.0421	0.0038	0.0189	0.0132	0.0133	0.0045	0.0113	0.0001	0.1072
15 mph	0.0481	0.0043	0.0216	0.0106	0.0110	0.0038	0.0081	0.0001	0.1076
20 mph	0.0233	0.0021	0.0105	0.0074	0.0075	0.0026	0.0144	0.0001	0.0679
25 mph	0.0941	0.0084	0.0423	0.0284	0.0356	0.0121	0.0537	0.0005	0.2752
30 mph	0.0949	0.0085	0.0427	0.0295	0.0297	0.0101	0.0406	0.0004	0.2562
35 mph	0.1632	0.0146	0.0735	0.0402	0.0289	0.0099	0.0277	0.0003	0.3581
40 mph	0.0365	0.0033	0.0164	0.0153	0.0169	0.0058	0.0261	0.0002	0.1205
45 mph	0.0301	0.0027	0.0135	0.0125	0.0138	0.0047	0.0197	0.0002	0.0972
50 mph	0.0325	0.0029	0.0146	0.0138	0.0153	0.0052	0.0183	0.0002	0.1029
55 mph	0.0235	0.0021	0.0106	0.0093	0.0102	0.0035	0.0062	0.0001	0.0655
60 mph	0.0369	0.0033	0.0166	0.0123	0.0127	0.0043	0.2495	0.0023	0.3379
65 mph	0.0058	0.0005	0.0026	0.0022	0.0024	0.0008	-	-	0.0144
70 mph	0.0788	0.0071	0.0355	0.0485	0.0584	0.0198	-	-	0.2481
total	0.7099	0.0634	0.3194	0.2432	0.2611	0.0886	0.4815	0.0044	2.1714

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0003	0.0000	0.0001	0.0003	0.0064	0.0048	0.0381	0.1104	0.1605
15 mph	0.0001	0.0000	0.0000	0.0001	0.0017	0.0013	0.0100	0.0274	0.0406
20 mph	0.0002	0.0000	0.0001	0.0002	0.0028	0.0022	0.0171	0.0460	0.0685
25 mph	0.0008	0.0000	0.0003	0.0008	0.0125	0.0097	0.0820	0.2135	0.3196
30 mph	0.0008	0.0000	0.0003	0.0007	0.0125	0.0097	0.0655	0.1702	0.2596
35 mph	0.0006	0.0000	0.0002	0.0005	0.0103	0.0079	0.0263	0.0696	0.1154
40 mph	0.0002	0.0000	0.0001	0.0002	0.0033	0.0025	0.0268	0.0706	0.1037
45 mph	0.0001	0.0000	0.0001	0.0001	0.0027	0.0020	0.0203	0.0535	0.0789
50 mph	0.0001	0.0000	0.0001	0.0001	0.0028	0.0021	0.0326	0.0845	0.1224
55 mph	0.0001	0.0000	0.0000	0.0001	0.0024	0.0018	0.0077	0.0202	0.0323
60 mph	0.0003	0.0000	0.0001	0.0002	0.0048	0.0035	0.0083	0.0214	0.0386
65 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	-	-	0.0011
70 mph	-	-	-	-	-	-	-	-	-
total	0.0036	0.0000	0.0015	0.0034	0.0629	0.0480	0.3347	0.8872	1.3413

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0001	0.0014	0.0010	-	-	0.0025
15 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0007	-	-	0.0017
20 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	0.0308	0.0828	0.1150
25 mph	0.0000	0.0000	0.0000	0.0001	0.0013	0.0010	0.0470	0.1224	0.1720
30 mph	0.0001	0.0000	0.0000	0.0001	0.0024	0.0019	0.0708	0.1841	0.2594
35 mph	0.0001	0.0000	0.0000	0.0002	0.0055	0.0042	0.0632	0.1673	0.2407
40 mph	0.0001	0.0000	0.0000	0.0002	0.0060	0.0046	0.0531	0.1401	0.2041
45 mph	0.0001	0.0000	0.0000	0.0002	0.0047	0.0035	0.0366	0.0964	0.1415
50 mph	0.0001	0.0000	0.0000	0.0002	0.0055	0.0041	0.0181	0.0469	0.0749
55 mph	0.0001	0.0000	0.0000	0.0001	0.0032	0.0023	0.0093	0.0243	0.0393
60 mph	0.0000	0.0000	0.0000	0.0001	0.0019	0.0014	0.6950	1.8020	2.5005
65 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	-	-	0.0012
70 mph	0.0007	0.0000	0.0003	0.0015	0.0306	0.0222	-	-	0.0554
total	0.0014	0.0000	0.0006	0.0029	0.0648	0.0481	1.0240	2.6664	3.8082

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0030	0.0033	0.0141	0.0234	0.0439
15 mph	0.0003	0.0000	0.0001	0.0002	0.0026	0.0020	0.0164	0.0448	0.0663
25 mph	-	-	-	-	0.0037	0.0029	0.0534	0.1391	0.1991
35 mph	0.0007	0.0000	0.0003	0.0003	-	-	-	-	0.0013
total	0.0010	0.0000	0.0004	0.0005	0.0093	0.0082	0.0839	0.2073	0.3106

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0030	0.0033	0.0141	0.0234	0.0439
10 mph	0.0004	0.0000	0.0002	0.0004	0.0077	0.0059	0.0381	0.1104	0.1630
15 mph	0.0004	0.0000	0.0002	0.0003	0.0051	0.0040	0.0264	0.0722	0.1085
20 mph	0.0002	0.0000	0.0001	0.0002	0.0036	0.0028	0.0479	0.1288	0.1835
25 mph	0.0008	0.0000	0.0003	0.0008	0.0176	0.0137	0.1824	0.4750	0.6906
30 mph	0.0008	0.0000	0.0003	0.0008	0.0150	0.0116	0.1363	0.3543	0.5190
35 mph	0.0014	0.0000	0.0006	0.0011	0.0158	0.0122	0.0896	0.2369	0.3574
40 mph	0.0003	0.0000	0.0001	0.0004	0.0093	0.0071	0.0799	0.2107	0.3079
45 mph	0.0002	0.0000	0.0001	0.0003	0.0074	0.0055	0.0569	0.1499	0.2204
50 mph	0.0002	0.0000	0.0001	0.0003	0.0083	0.0062	0.0506	0.1314	0.1973
55 mph	0.0002	0.0000	0.0001	0.0002	0.0056	0.0041	0.0170	0.0445	0.0717
60 mph	0.0003	0.0000	0.0001	0.0003	0.0067	0.0049	0.7033	1.8234	2.5391
65 mph	0.0001	0.0000	0.0000	0.0001	0.0013	0.0009	-	-	0.0023
70 mph	0.0007	0.0000	0.0003	0.0015	0.0306	0.0222	-	-	0.0554
total	0.0060	0.0000	0.0025	0.0068	0.1370	0.1043	1.4426	3.7608	5.4601

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
15 mph									-	-
25 mph									-	-
35 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0082	0.0049	0.0201	0.0235	0.0566
10 mph	0.0425	0.0038	0.0191	0.0135	0.0210	0.0104	0.0494	0.1105	0.2702
15 mph	0.0485	0.0043	0.0218	0.0109	0.0162	0.0077	0.0345	0.0722	0.2161
20 mph	0.0235	0.0021	0.0106	0.0076	0.0111	0.0053	0.0622	0.1289	0.2515
25 mph	0.0949	0.0084	0.0427	0.0292	0.0532	0.0258	0.2361	0.4755	0.9658
30 mph	0.0957	0.0085	0.0430	0.0304	0.0446	0.0216	0.1768	0.3546	0.7753
35 mph	0.1646	0.0146	0.0740	0.0413	0.0447	0.0220	0.1173	0.2372	0.7156
40 mph	0.0368	0.0033	0.0166	0.0157	0.0262	0.0129	0.1060	0.2110	0.4284
45 mph	0.0303	0.0027	0.0136	0.0128	0.0212	0.0102	0.0766	0.1501	0.3176
50 mph	0.0328	0.0029	0.0147	0.0142	0.0237	0.0114	0.0689	0.1316	0.3002
55 mph	0.0237	0.0021	0.0106	0.0096	0.0158	0.0076	0.0232	0.0445	0.1371
60 mph	0.0372	0.0033	0.0167	0.0126	0.0194	0.0093	0.9528	1.8257	2.8770
65 mph	0.0058	0.0005	0.0026	0.0023	0.0037	0.0017	-	-	0.0167
70 mph	0.0796	0.0071	0.0358	0.0500	0.0890	0.0420	-	-	0.3035
STREX	0.0027	0.0002	0.0012	0.0030	0.0002	0.0001	0.0002	0.0000	0.0077
total	0.7186	0.0636	0.3231	0.2530	0.3983	0.1930	1.9243	3.7653	**7.6392**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0005	0.0005	0.0006	0.0007	0.0002	0.0002	0.0003	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0027	0.0002	0.0012	0.0030	0.0002	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0027	0.0002	0.0012	0.0030	0.0002	0.0001	0.0002	0.0000

World Logistics Center
Mobile Emissions - 2030 (Net) - Mitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0385	0.0364	0.0358	0.0383
10 mph	0.0043	0.0054	0.0046	0.0046	0.0049	0.0046	0.0046	0.0049
15 mph	0.0029	0.0036	0.0030	0.0031	0.0033	0.0031	0.0030	0.0032
20 mph	0.0020	0.0026	0.0021	0.0022	0.0023	0.0021	0.0021	0.0023
25 mph	0.0015	0.0019	0.0016	0.0016	0.0017	0.0016	0.0016	0.0017
30 mph	0.0012	0.0015	0.0012	0.0013	0.0013	0.0012	0.0012	0.0013
35 mph	0.0009	0.0012	0.0010	0.0010	0.0011	0.0010	0.0010	0.0011
40 mph	0.0008	0.0011	0.0009	0.0009	0.0009	0.0009	0.0009	0.0010
45 mph	0.0008	0.0010	0.0008	0.0008	0.0009	0.0008	0.0008	0.0009
50 mph	0.0007	0.0009	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
55 mph	0.0007	0.0009	0.0008	0.0008	0.0009	0.0008	0.0008	0.0009
60 mph	0.0008	0.0010	0.0008	0.0009	0.0009	0.0009	0.0008	0.0009
65 mph	0.0009	0.0011	0.0009	0.0009	0.0010	0.0010		
70 mph	0.0010	0.0012	0.0010	0.0010	0.0011	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7943	0.8026	0.0073	0.0101
10 mph	0.0071	0.1638	0.0091	0.0055	0.0225	0.0314	0.0042	0.0109
15 mph	0.0058	0.1195	0.0078	0.0046	0.0174	0.0255	0.0033	0.0084
20 mph	0.0047	0.0917	0.0066	0.0038	0.0145	0.0213	0.0028	0.0061
25 mph	0.0039	0.0734	0.0057	0.0032	0.0121	0.0179	0.0027	0.0063
30 mph	0.0033	0.0616	0.0050	0.0028	0.0107	0.0157	0.0029	0.0069
35 mph	0.0029	0.0541	0.0045	0.0026	0.0097	0.0142	0.0036	0.0083
40 mph	0.0026	0.0495	0.0041	0.0023	0.0090	0.0131	0.0045	0.0107
45 mph	0.0025	0.0472	0.0038	0.0022	0.0085	0.0123	0.0059	0.0140
50 mph	0.0024	0.0472	0.0036	0.0021	0.0082	0.0117	0.0076	0.0179
55 mph	0.0023	0.0493	0.0034	0.0020	0.0079	0.0113	0.0098	0.0235
60 mph	0.0024	0.0537	0.0034	0.0020	0.0080	0.0113	0.0122	0.0290
65 mph	0.0025	0.0615	0.0034	0.0021	0.0088	0.0120		
70 mph	0.0026	0.0718	0.0035	0.0023	0.0132	0.0152		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0347
10 mph								0.0064
15 mph								0.0053
20 mph								0.0046
25 mph								0.0041
30 mph								0.0038
35 mph								0.0036
40 mph								0.0035
45 mph								0.0034
50 mph								0.0034
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0393	0.0038	0.0156	0.0083	0.0039	0.0011	0.0018	0.0000	0.0738
15 mph	0.0104	0.0010	0.0042	0.0022	0.0010	0.0003	0.0004	0.0000	0.0195
20 mph	0.0146	0.0014	0.0058	0.0031	0.0015	0.0004	0.0006	0.0000	0.0274
25 mph	0.0540	0.0053	0.0215	0.0115	0.0054	0.0015	0.0023	0.0000	0.1015
30 mph	0.0463	0.0045	0.0185	0.0098	0.0046	0.0013	0.0016	0.0000	0.0867
35 mph	0.0312	0.0030	0.0124	0.0066	0.0031	0.0009	0.0006	0.0000	0.0578
40 mph	0.0090	0.0009	0.0036	0.0019	0.0009	0.0002	0.0006	0.0000	0.0171
45 mph	0.0069	0.0007	0.0027	0.0015	0.0007	0.0002	0.0004	0.0000	0.0130
50 mph	0.0066	0.0006	0.0026	0.0014	0.0007	0.0002	0.0007	0.0000	0.0128
55 mph	0.0054	0.0005	0.0021	0.0011	0.0005	0.0001	0.0002	0.0000	0.0101
60 mph	0.0116	0.0011	0.0046	0.0025	0.0012	0.0003	0.0002	0.0000	0.0214
65 mph	0.0016	0.0002	0.0006	0.0003	0.0002	0.0000	-	-	0.0030
70 mph	-	-	-	-	-	-	-	-	-
total	0.2369	0.0231	0.0943	0.0502	0.0237	0.0066	0.0093	0.0001	0.4442

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0032	0.0003	0.0013	0.0014	0.0008	0.0002	-	-	0.0074
15 mph	0.0022	0.0002	0.0009	0.0010	0.0006	0.0002	-	-	0.0049
20 mph	0.0015	0.0001	0.0006	0.0007	0.0004	0.0001	0.0010	0.0000	0.0045
25 mph	0.0022	0.0002	0.0009	0.0010	0.0006	0.0002	0.0013	0.0000	0.0064
30 mph	0.0035	0.0003	0.0014	0.0015	0.0009	0.0003	0.0018	0.0000	0.0097
35 mph	0.0064	0.0006	0.0026	0.0029	0.0017	0.0005	0.0014	0.0000	0.0161
40 mph	0.0062	0.0006	0.0025	0.0027	0.0016	0.0004	0.0011	0.0000	0.0152
45 mph	0.0045	0.0004	0.0018	0.0020	0.0012	0.0003	0.0008	0.0000	0.0111
50 mph	0.0049	0.0005	0.0020	0.0022	0.0013	0.0004	0.0004	0.0000	0.0116
55 mph	0.0028	0.0003	0.0011	0.0012	0.0007	0.0002	0.0002	0.0000	0.0065
60 mph	0.0018	0.0002	0.0007	0.0008	0.0005	0.0001	0.0142	0.0001	0.0184
65 mph	0.0007	0.0001	0.0003	0.0003	0.0002	0.0000	-	-	0.0015
70 mph	0.0342	0.0033	0.0133	0.0148	0.0088	0.0024	-	-	0.0769
total	0.0742	0.0072	0.0292	0.0325	0.0192	0.0053	0.0222	0.0002	0.1900

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0038	0.0011	0.0016	0.0000	0.0065
15 mph	0.0268	0.0026	0.0107	0.0032	0.0016	0.0005	0.0007	0.0000	0.0461
25 mph	-	-	-	-	0.0016	0.0004	0.0015	0.0000	0.0035
35 mph	0.0384	0.0038	0.0153	0.0042	-	-	-	-	0.0616
total	0.0652	0.0064	0.0260	0.0074	0.0070	0.0020	0.0038	0.0000	0.1177

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0038	0.0011	0.0016	0.0000	0.0065
10 mph	0.0425	0.0041	0.0169	0.0097	0.0047	0.0013	0.0018	0.0000	0.0811
15 mph	0.0394	0.0038	0.0157	0.0064	0.0032	0.0009	0.0011	0.0000	0.0705
20 mph	0.0161	0.0016	0.0064	0.0038	0.0019	0.0005	0.0016	0.0000	0.0319
25 mph	0.0562	0.0055	0.0224	0.0125	0.0076	0.0021	0.0051	0.0000	0.1115
30 mph	0.0498	0.0049	0.0198	0.0114	0.0055	0.0015	0.0034	0.0000	0.0964
35 mph	0.0760	0.0074	0.0302	0.0137	0.0048	0.0013	0.0020	0.0000	0.1354
40 mph	0.0152	0.0015	0.0060	0.0047	0.0025	0.0007	0.0017	0.0000	0.0324
45 mph	0.0114	0.0011	0.0045	0.0035	0.0019	0.0005	0.0012	0.0000	0.0241
50 mph	0.0116	0.0011	0.0046	0.0036	0.0020	0.0005	0.0010	0.0000	0.0244
55 mph	0.0082	0.0008	0.0033	0.0024	0.0013	0.0004	0.0003	0.0000	0.0166
60 mph	0.0134	0.0013	0.0053	0.0032	0.0016	0.0005	0.0143	0.0001	0.0398
65 mph	0.0023	0.0002	0.0009	0.0006	0.0003	0.0001	-	-	0.0045
70 mph	0.0342	0.0033	0.0133	0.0148	0.0088	0.0024	-	-	0.0769
total	0.3763	0.0366	0.1495	0.0901	0.0499	0.0138	0.0352	0.0003	0.7519

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0003	0.0003	0.0170	0.0160	0.0097	0.0463	0.0903
15 mph	0.0002	0.0000	0.0001	0.0001	0.0053	0.0052	0.0026	0.0119	0.0254
20 mph	0.0004	0.0000	0.0002	0.0002	0.0088	0.0087	0.0044	0.0172	0.0397
25 mph	0.0016	0.0000	0.0007	0.0007	0.0365	0.0365	0.0228	0.0983	0.1972
30 mph	0.0015	0.0000	0.0007	0.0007	0.0353	0.0353	0.0227	0.0975	0.1936
35 mph	0.0010	0.0000	0.0005	0.0005	0.0264	0.0261	0.0123	0.0531	0.1201
40 mph	0.0003	0.0000	0.0002	0.0002	0.0081	0.0080	0.0175	0.0759	0.1102
45 mph	0.0003	0.0000	0.0001	0.0001	0.0064	0.0063	0.0182	0.0793	0.1106
50 mph	0.0002	0.0000	0.0001	0.0001	0.0062	0.0060	0.0383	0.1653	0.2163
55 mph	0.0002	0.0000	0.0001	0.0001	0.0048	0.0046	0.0113	0.0500	0.0710
60 mph	0.0004	0.0000	0.0002	0.0002	0.0097	0.0092	0.0142	0.0617	0.0955
65 mph	0.0001	0.0000	0.0000	0.0000	0.0013	0.0012	-	-	0.0027
70 mph	-	-	-	-	-	-	-	-	-
total	0.0069	0.0002	0.0031	0.0032	0.1657	0.1631	0.1740	0.7564	1.2726

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0001	0.0036	0.0034	-	-	0.0072
15 mph	0.0000	0.0000	0.0000	0.0000	0.0028	0.0028	-	-	0.0057
20 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0023	0.0078	0.0310	0.0436
25 mph	0.0001	0.0000	0.0000	0.0001	0.0039	0.0039	0.0131	0.0564	0.0775
30 mph	0.0001	0.0000	0.0001	0.0001	0.0069	0.0069	0.0245	0.1055	0.1440
35 mph	0.0002	0.0000	0.0001	0.0002	0.0141	0.0140	0.0297	0.1277	0.1861
40 mph	0.0002	0.0000	0.0001	0.0002	0.0146	0.0143	0.0348	0.1505	0.2147
45 mph	0.0002	0.0000	0.0001	0.0002	0.0110	0.0107	0.0329	0.1429	0.1979
50 mph	0.0002	0.0000	0.0001	0.0002	0.0119	0.0115	0.0213	0.0917	0.1369
55 mph	0.0001	0.0000	0.0000	0.0001	0.0064	0.0062	0.0136	0.0601	0.0865
60 mph	0.0001	0.0000	0.0000	0.0001	0.0039	0.0037	1.1919	5.1888	6.3885
65 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0013	-	-	0.0028
70 mph	0.0010	0.0000	0.0004	0.0010	0.0979	0.0762	-	-	0.1765
total	0.0023	0.0001	0.0010	0.0023	0.1808	0.1573	1.3695	5.9545	7.6677

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0740	0.0506	0.0019	0.0048	0.1314
15 mph	0.0006	0.0000	0.0003	0.0001	0.0082	0.0081	0.0042	0.0195	0.0410
25 mph	-	-	-	-	0.0108	0.0108	0.0149	0.0641	0.1005
35 mph	0.0013	0.0000	0.0006	0.0003	-	-	-	-	0.0023
total	0.0019	0.0000	0.0009	0.0005	0.0930	0.0695	0.0210	0.0884	0.2751

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0740	0.0506	0.0019	0.0048	0.1314
10 mph	0.0008	0.0000	0.0003	0.0004	0.0206	0.0194	0.0097	0.0463	0.0975
15 mph	0.0009	0.0000	0.0004	0.0003	0.0162	0.0160	0.0067	0.0315	0.0721
20 mph	0.0004	0.0000	0.0002	0.0002	0.0111	0.0110	0.0122	0.0482	0.0833
25 mph	0.0016	0.0000	0.0007	0.0008	0.0512	0.0512	0.0508	0.2188	0.3752
30 mph	0.0016	0.0000	0.0007	0.0008	0.0422	0.0422	0.0472	0.2029	0.3376
35 mph	0.0026	0.0001	0.0012	0.0011	0.0405	0.0401	0.0420	0.1808	0.3084
40 mph	0.0005	0.0000	0.0003	0.0004	0.0227	0.0224	0.0523	0.2264	0.3249
45 mph	0.0004	0.0000	0.0002	0.0003	0.0174	0.0170	0.0511	0.2222	0.3085
50 mph	0.0004	0.0000	0.0002	0.0003	0.0181	0.0175	0.0596	0.2570	0.3531
55 mph	0.0003	0.0000	0.0001	0.0002	0.0112	0.0108	0.0249	0.1101	0.1575
60 mph	0.0004	0.0000	0.0002	0.0002	0.0136	0.0129	1.2060	5.2505	6.4840
65 mph	0.0001	0.0000	0.0000	0.0000	0.0028	0.0025	-	-	0.0054
70 mph	0.0010	0.0000	0.0004	0.0010	0.0979	0.0762	-	-	0.1765
total	0.0110	0.0003	0.0050	0.0059	0.4394	0.3899	1.5645	6.7994	9.2154

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0017	0.0017
15 mph								0.0005	0.0005
20 mph								0.0008	0.0008
25 mph								0.0041	0.0041
30 mph								0.0034	0.0034
35 mph								0.0015	0.0015
40 mph								0.0016	0.0016
45 mph								0.0012	0.0012
50 mph								0.0020	0.0020
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0169	0.0169

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0015	0.0015
25 mph								0.0023	0.0023
30 mph								0.0037	0.0037
35 mph								0.0035	0.0035
40 mph								0.0031	0.0031
45 mph								0.0022	0.0022
50 mph								0.0011	0.0011
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0111	0.0111

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0008	0.0008
25 mph								0.0027	0.0027
35 mph								-	-
total	-	-	-	-	-	-	-	0.0045	0.0045

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0017	0.0017
15 mph								0.0013	0.0013
20 mph								0.0023	0.0023
25 mph								0.0091	0.0091
30 mph								0.0072	0.0072
35 mph								0.0050	0.0050
40 mph								0.0047	0.0047
45 mph								0.0035	0.0035
50 mph								0.0031	0.0031
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0389	0.0389

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0778	0.0517	0.0035	0.0059	0.1389
10 mph	0.0433	0.0041	0.0172	0.0101	0.0253	0.0208	0.0115	0.0480	0.1804
15 mph	0.0403	0.0038	0.0161	0.0067	0.0194	0.0169	0.0078	0.0327	0.1439
20 mph	0.0165	0.0016	0.0066	0.0040	0.0129	0.0115	0.0138	0.0505	0.1175
25 mph	0.0579	0.0055	0.0232	0.0132	0.0588	0.0533	0.0560	0.2279	0.4958
30 mph	0.0514	0.0049	0.0206	0.0122	0.0477	0.0437	0.0506	0.2102	0.4412
35 mph	0.0785	0.0075	0.0314	0.0147	0.0453	0.0415	0.0441	0.1858	0.4488
40 mph	0.0158	0.0015	0.0063	0.0050	0.0252	0.0231	0.0540	0.2310	0.3620
45 mph	0.0118	0.0011	0.0047	0.0038	0.0192	0.0175	0.0523	0.2257	0.3361
50 mph	0.0120	0.0011	0.0048	0.0039	0.0200	0.0181	0.0607	0.2601	0.3807
55 mph	0.0085	0.0008	0.0034	0.0026	0.0125	0.0111	0.0252	0.1101	0.1741
60 mph	0.0138	0.0013	0.0055	0.0035	0.0152	0.0134	1.2204	5.2506	6.5238
65 mph	0.0024	0.0002	0.0009	0.0006	0.0031	0.0026	-	-	0.0099
70 mph	0.0352	0.0033	0.0137	0.0158	0.1067	0.0786	-	-	0.2533
STREX	0.0080	0.0007	0.0031	0.0062	0.0005	0.0001	0.0003	0.0000	0.0190
total	0.3954	0.0376	0.1576	0.1023	0.4899	0.4039	1.6000	6.8386	**10.0252**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0013	0.0017	0.0014	0.0014	0.0004	0.0003	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0080	0.0007	0.0031	0.0062	0.0005	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0080	0.0007	0.0031	0.0062	0.0005	0.0001	0.0003	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	8.1680	0.6219	3.0673	1.6000	1.3489	0.4591	0.9516	0.0042
Diesel	0.0908	0.0001	0.0278	0.0494	1.3314	1.0314	5.4940	6.8259
Electric/NG	0.3738	0.0149	0.0924	0.0506	-	-	-	0.4396
Total	8.6326	0.6369	3.1875	1.7000	2.6803	1.4905	6.4456	7.2698

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	3.3777	0.2572	1.2684	1.3818	1.4462	0.4923	3.4309	0.0153
Diesel	0.0375	0.0000	0.0115	0.0426	1.4275	1.1058	19.8086	24.6109
Electric/NG	0.1546	0.0062	0.0382	0.0437	-	-	-	1.5851
Total	3.5698	0.2634	1.3181	1.4682	2.8737	1.5981	23.2395	26.2112

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.2310	0.1699	0.8378	0.2301	0.1215	0.0414	0.1676	0.0007
Diesel	0.0248	0.0000	0.0076	0.0071	0.1200	0.0929	0.9675	1.2020
Electric/NG	0.1021	0.0041	0.0252	0.0073	-	-	-	0.0774
Total	2.3579	0.1740	0.8706	0.2444	0.2415	0.1343	1.1350	1.2802

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	13.7768	1.0489	5.1735	3.2119	2.9166	0.9928	4.5501	0.0202	31.6907
Diesel	0.1531	0.0002	0.0469	0.0991	2.8788	2.2301	26.2700	32.6388	64.3170
Electric/NG	0.6305	0.0252	0.1559	0.1016	-	-	-	2.1021	3.0152
Total	14.5603	1.0743	5.3762	3.4126	5.7954	3.2228	30.8201	34.7612	**99.0230**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	85.0999
Internal	74.3745
Total	**159.4743**

World Logistics Center
Mobile Emissions - 2030 (Net) - Mitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0354	0.0335	0.0329	0.0352
10 mph	0.0040	0.0050	0.0042	0.0043	0.0045	0.0042	0.0042	0.0045
15 mph	0.0026	0.0033	0.0028	0.0028	0.0030	0.0028	0.0028	0.0030
20 mph	0.0018	0.0024	0.0020	0.0020	0.0021	0.0020	0.0020	0.0021
25 mph	0.0014	0.0017	0.0014	0.0015	0.0016	0.0015	0.0014	0.0015
30 mph	0.0011	0.0014	0.0011	0.0011	0.0012	0.0011	0.0011	0.0012
35 mph	0.0009	0.0011	0.0009	0.0009	0.0010	0.0009	0.0009	0.0010
40 mph	0.0008	0.0010	0.0008	0.0008	0.0009	0.0008	0.0008	0.0009
45 mph	0.0007	0.0009	0.0007	0.0007	0.0008	0.0007	0.0007	0.0008
50 mph	0.0007	0.0009	0.0007	0.0007	0.0008	0.0007	0.0007	0.0008
55 mph	0.0007	0.0009	0.0007	0.0007	0.0008	0.0007	0.0007	0.0008
60 mph	0.0007	0.0009	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
65 mph	0.0008	0.0010	0.0009	0.0009	0.0010	0.0009		
70 mph	0.0009	0.0011	0.0009	0.0010	0.0010	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7599	0.7679	0.0070	0.0096
10 mph	0.0068	0.1567	0.0087	0.0053	0.0216	0.0301	0.0040	0.0104
15 mph	0.0056	0.1143	0.0075	0.0044	0.0167	0.0244	0.0032	0.0080
20 mph	0.0045	0.0877	0.0064	0.0036	0.0139	0.0204	0.0027	0.0058
25 mph	0.0037	0.0702	0.0054	0.0031	0.0116	0.0171	0.0026	0.0060
30 mph	0.0031	0.0589	0.0048	0.0027	0.0102	0.0151	0.0028	0.0066
35 mph	0.0028	0.0517	0.0043	0.0024	0.0093	0.0136	0.0034	0.0080
40 mph	0.0025	0.0474	0.0040	0.0022	0.0086	0.0126	0.0043	0.0102
45 mph	0.0024	0.0452	0.0037	0.0021	0.0081	0.0118	0.0056	0.0134
50 mph	0.0023	0.0451	0.0035	0.0020	0.0078	0.0112	0.0073	0.0171
55 mph	0.0022	0.0472	0.0033	0.0019	0.0076	0.0108	0.0093	0.0225
60 mph	0.0023	0.0514	0.0032	0.0019	0.0077	0.0108	0.0117	0.0277
65 mph	0.0024	0.0589	0.0033	0.0020	0.0085	0.0115		
70 mph	0.0024	0.0687	0.0033	0.0022	0.0126	0.0145		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0332
10 mph								0.0062
15 mph								0.0051
20 mph								0.0044
25 mph								0.0040
30 mph								0.0037
35 mph								0.0035
40 mph								0.0033
45 mph								0.0033
50 mph								0.0033
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0361	0.0035	0.0144	0.0076	0.0036	0.0010	0.0017	0.0000	0.0678
15 mph	0.0096	0.0009	0.0038	0.0020	0.0010	0.0003	0.0004	0.0000	0.0180
20 mph	0.0134	0.0013	0.0054	0.0029	0.0013	0.0004	0.0005	0.0000	0.0252
25 mph	0.0496	0.0049	0.0198	0.0106	0.0050	0.0014	0.0021	0.0000	0.0933
30 mph	0.0426	0.0042	0.0170	0.0090	0.0043	0.0012	0.0015	0.0000	0.0797
35 mph	0.0286	0.0028	0.0114	0.0061	0.0029	0.0008	0.0006	0.0000	0.0531
40 mph	0.0083	0.0008	0.0033	0.0018	0.0008	0.0002	0.0005	0.0000	0.0157
45 mph	0.0063	0.0006	0.0025	0.0013	0.0006	0.0002	0.0004	0.0000	0.0120
50 mph	0.0061	0.0006	0.0024	0.0013	0.0006	0.0002	0.0006	0.0000	0.0118
55 mph	0.0050	0.0005	0.0020	0.0011	0.0005	0.0001	0.0001	0.0000	0.0093
60 mph	0.0107	0.0010	0.0042	0.0023	0.0011	0.0003	0.0002	0.0000	0.0197
65 mph	0.0015	0.0001	0.0006	0.0003	0.0002	0.0000	-	-	0.0028
70 mph	-	-	-	-	-	-	-	-	-
total	0.2178	0.0212	0.0867	0.0462	0.0218	0.0060	0.0086	0.0001	0.4084

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0030	0.0003	0.0012	0.0013	0.0008	0.0002	-	-	0.0068
15 mph	0.0020	0.0002	0.0008	0.0009	0.0005	0.0001	-	-	0.0045
20 mph	0.0014	0.0001	0.0006	0.0006	0.0004	0.0001	0.0009	0.0000	0.0041
25 mph	0.0021	0.0002	0.0008	0.0009	0.0005	0.0001	0.0012	0.0000	0.0059
30 mph	0.0032	0.0003	0.0013	0.0014	0.0008	0.0002	0.0016	0.0000	0.0089
35 mph	0.0059	0.0006	0.0024	0.0026	0.0015	0.0004	0.0013	0.0000	0.0148
40 mph	0.0057	0.0006	0.0023	0.0025	0.0015	0.0004	0.0011	0.0000	0.0140
45 mph	0.0042	0.0004	0.0017	0.0018	0.0011	0.0003	0.0007	0.0000	0.0102
50 mph	0.0045	0.0004	0.0018	0.0020	0.0012	0.0003	0.0003	0.0000	0.0106
55 mph	0.0026	0.0002	0.0010	0.0011	0.0007	0.0002	0.0002	0.0000	0.0060
60 mph	0.0017	0.0002	0.0007	0.0007	0.0004	0.0001	0.0130	0.0001	0.0169
65 mph	0.0006	0.0001	0.0002	0.0003	0.0002	0.0000	-	-	0.0014
70 mph	0.0315	0.0030	0.0122	0.0136	0.0081	0.0022	-	-	0.0707
total	0.0683	0.0066	0.0269	0.0299	0.0177	0.0049	0.0204	0.0002	0.1747

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0035	0.0010	0.0015	0.0000	0.0060
15 mph	0.0247	0.0024	0.0098	0.0030	0.0015	0.0004	0.0006	0.0000	0.0424
25 mph	-	-	-	-	0.0015	0.0004	0.0014	0.0000	0.0033
35 mph	0.0353	0.0035	0.0140	0.0039	-	-	-	-	0.0566
total	0.0600	0.0058	0.0239	0.0068	0.0064	0.0018	0.0035	0.0000	0.1082

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0035	0.0010	0.0015	0.0000	0.0060
10 mph	0.0391	0.0038	0.0156	0.0090	0.0044	0.0012	0.0017	0.0000	0.0746
15 mph	0.0362	0.0035	0.0145	0.0059	0.0030	0.0008	0.0010	0.0000	0.0649
20 mph	0.0148	0.0014	0.0059	0.0035	0.0017	0.0005	0.0015	0.0000	0.0293
25 mph	0.0517	0.0051	0.0206	0.0115	0.0070	0.0019	0.0047	0.0000	0.1025
30 mph	0.0458	0.0045	0.0182	0.0105	0.0051	0.0014	0.0031	0.0000	0.0886
35 mph	0.0698	0.0068	0.0278	0.0126	0.0044	0.0012	0.0019	0.0000	0.1245
40 mph	0.0140	0.0014	0.0056	0.0043	0.0023	0.0006	0.0016	0.0000	0.0298
45 mph	0.0105	0.0010	0.0042	0.0032	0.0017	0.0005	0.0011	0.0000	0.0222
50 mph	0.0106	0.0010	0.0042	0.0033	0.0018	0.0005	0.0009	0.0000	0.0224
55 mph	0.0075	0.0007	0.0030	0.0022	0.0012	0.0003	0.0003	0.0000	0.0153
60 mph	0.0123	0.0012	0.0049	0.0030	0.0015	0.0004	0.0132	0.0001	0.0366
65 mph	0.0021	0.0002	0.0008	0.0006	0.0003	0.0001	-	-	0.0042
70 mph	0.0315	0.0030	0.0122	0.0136	0.0081	0.0022	-	-	0.0707
total	0.3460	0.0337	0.1375	0.0829	0.0459	0.0127	0.0324	0.0003	0.6914

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0003	0.0003	0.0162	0.0153	0.0093	0.0443	0.0864
15 mph	0.0002	0.0000	0.0001	0.0001	0.0050	0.0050	0.0024	0.0114	0.0243
20 mph	0.0004	0.0000	0.0002	0.0002	0.0084	0.0083	0.0042	0.0164	0.0380
25 mph	0.0015	0.0000	0.0007	0.0007	0.0349	0.0349	0.0219	0.0941	0.1887
30 mph	0.0014	0.0000	0.0007	0.0007	0.0338	0.0338	0.0217	0.0933	0.1853
35 mph	0.0010	0.0000	0.0005	0.0005	0.0252	0.0250	0.0118	0.0508	0.1149
40 mph	0.0003	0.0000	0.0001	0.0001	0.0078	0.0077	0.0168	0.0726	0.1055
45 mph	0.0002	0.0000	0.0001	0.0001	0.0061	0.0060	0.0174	0.0758	0.1059
50 mph	0.0002	0.0000	0.0001	0.0001	0.0059	0.0057	0.0367	0.1581	0.2069
55 mph	0.0002	0.0000	0.0001	0.0001	0.0046	0.0044	0.0108	0.0478	0.0680
60 mph	0.0004	0.0000	0.0002	0.0002	0.0093	0.0088	0.0136	0.0590	0.0914
65 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0012	-	-	0.0025
70 mph	-	-	-	-	-	-	-	-	-
total	0.0066	0.0002	0.0030	0.0030	0.1585	0.1561	0.1665	0.7237	1.2175

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0001	0.0035	0.0033	-	-	0.0069
15 mph	0.0000	0.0000	0.0000	0.0000	0.0027	0.0027	-	-	0.0055
20 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0022	0.0075	0.0296	0.0417
25 mph	0.0001	0.0000	0.0000	0.0001	0.0037	0.0037	0.0125	0.0540	0.0741
30 mph	0.0001	0.0000	0.0000	0.0001	0.0066	0.0066	0.0235	0.1009	0.1378
35 mph	0.0002	0.0000	0.0001	0.0002	0.0135	0.0134	0.0284	0.1222	0.1780
40 mph	0.0002	0.0000	0.0001	0.0002	0.0139	0.0137	0.0333	0.1440	0.2054
45 mph	0.0002	0.0000	0.0001	0.0002	0.0105	0.0103	0.0314	0.1367	0.1893
50 mph	0.0002	0.0000	0.0001	0.0002	0.0114	0.0110	0.0204	0.0877	0.1309
55 mph	0.0001	0.0000	0.0000	0.0001	0.0061	0.0059	0.0130	0.0575	0.0827
60 mph	0.0001	0.0000	0.0000	0.0001	0.0037	0.0035	1.1403	4.9644	6.1121
65 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0013	-	-	0.0027
70 mph	0.0009	0.0000	0.0004	0.0010	0.0936	0.0729	-	-	0.1688
total	0.0022	0.0001	0.0010	0.0022	0.1730	0.1505	1.3102	5.6969	7.3360

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0708	0.0484	0.0018	0.0046	0.1257
15 mph	0.0006	0.0000	0.0002	0.0001	0.0078	0.0077	0.0040	0.0187	0.0392
25 mph	-	-	-	-	0.0103	0.0103	0.0142	0.0613	0.0962
35 mph	0.0012	0.0000	0.0006	0.0003	-	-	-	-	0.0022
total	0.0018	0.0000	0.0008	0.0004	0.0889	0.0665	0.0201	0.0846	0.2632

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0708	0.0484	0.0018	0.0046	0.1257
10 mph	0.0007	0.0000	0.0003	0.0003	0.0197	0.0186	0.0093	0.0443	0.0933
15 mph	0.0009	0.0000	0.0004	0.0003	0.0155	0.0153	0.0065	0.0301	0.0689
20 mph	0.0004	0.0000	0.0002	0.0002	0.0106	0.0105	0.0117	0.0461	0.0797
25 mph	0.0016	0.0000	0.0007	0.0007	0.0490	0.0490	0.0486	0.2093	0.3590
30 mph	0.0015	0.0000	0.0007	0.0008	0.0404	0.0403	0.0451	0.1942	0.3230
35 mph	0.0024	0.0001	0.0012	0.0010	0.0387	0.0384	0.0402	0.1730	0.2951
40 mph	0.0005	0.0000	0.0002	0.0004	0.0217	0.0214	0.0500	0.2166	0.3109
45 mph	0.0004	0.0000	0.0002	0.0003	0.0166	0.0163	0.0489	0.2126	0.2952
50 mph	0.0004	0.0000	0.0002	0.0003	0.0173	0.0168	0.0570	0.2459	0.3379
55 mph	0.0003	0.0000	0.0001	0.0002	0.0107	0.0103	0.0238	0.1053	0.1507
60 mph	0.0004	0.0000	0.0002	0.0002	0.0130	0.0124	1.1539	5.0234	6.2035
65 mph	0.0001	0.0000	0.0000	0.0000	0.0026	0.0024	-	-	0.0052
70 mph	0.0009	0.0000	0.0004	0.0010	0.0936	0.0729	-	-	0.1688
total	0.0105	0.0003	0.0048	0.0056	0.4204	0.3731	1.4968	6.5052	8.8167

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0017	0.0017
15 mph								0.0005	0.0005
20 mph								0.0008	0.0008
25 mph								0.0039	0.0039
30 mph								0.0033	0.0033
35 mph								0.0014	0.0014
40 mph								0.0015	0.0015
45 mph								0.0012	0.0012
50 mph								0.0019	0.0019
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0161	0.0161

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0014	0.0014
25 mph								0.0022	0.0022
30 mph								0.0036	0.0036
35 mph								0.0034	0.0034
40 mph								0.0030	0.0030
45 mph								0.0021	0.0021
50 mph								0.0011	0.0011
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0106	0.0106

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0008	0.0008
25 mph								0.0026	0.0026
35 mph								-	-
total	-	-	-	-	-	-	-	0.0043	0.0043

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0017	0.0017
15 mph								0.0012	0.0012
20 mph								0.0022	0.0022
25 mph								0.0087	0.0087
30 mph								0.0069	0.0069
35 mph								0.0048	0.0048
40 mph								0.0045	0.0045
45 mph								0.0033	0.0033
50 mph								0.0030	0.0030
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0372	0.0372

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0743	0.0494	0.0033	0.0056	0.1326
10 mph	0.0398	0.0038	0.0158	0.0093	0.0241	0.0198	0.0110	0.0459	0.1695
15 mph	0.0371	0.0035	0.0148	0.0061	0.0185	0.0162	0.0074	0.0313	0.1350
20 mph	0.0152	0.0015	0.0061	0.0037	0.0123	0.0110	0.0131	0.0483	0.1112
25 mph	0.0533	0.0051	0.0213	0.0122	0.0560	0.0509	0.0533	0.2181	0.4702
30 mph	0.0473	0.0045	0.0189	0.0112	0.0455	0.0418	0.0482	0.2011	0.4185
35 mph	0.0723	0.0069	0.0289	0.0136	0.0432	0.0396	0.0421	0.1778	0.4244
40 mph	0.0145	0.0014	0.0058	0.0046	0.0240	0.0220	0.0516	0.2211	0.3451
45 mph	0.0109	0.0010	0.0044	0.0035	0.0183	0.0167	0.0500	0.2159	0.3207
50 mph	0.0110	0.0010	0.0044	0.0036	0.0191	0.0173	0.0580	0.2489	0.3633
55 mph	0.0078	0.0007	0.0031	0.0024	0.0119	0.0106	0.0241	0.1053	0.1660
60 mph	0.0127	0.0012	0.0051	0.0032	0.0145	0.0128	1.1671	5.0235	6.2401
65 mph	0.0022	0.0002	0.0009	0.0006	0.0030	0.0025	-	-	0.0094
70 mph	0.0324	0.0031	0.0126	0.0146	0.1018	0.0751	-	-	0.2395
STREX	0.0073	0.0007	0.0028	0.0057	0.0005	0.0001	0.0003	0.0000	0.0175
total	0.3639	0.0346	0.1451	0.0943	0.4668	0.3859	1.5295	6.5428	**9.5628**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0012	0.0015	0.0013	0.0013	0.0003	0.0003	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0073	0.0007	0.0028	0.0057	0.0005	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0073	0.0007	0.0028	0.0057	0.0005	0.0001	0.0003	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	3.2398	0.2467	1.2166	0.6346	0.5553	0.1900	0.3935	0.0016
Diesel	0.0360	0.0000	0.0110	0.0196	0.5383	0.4202	2.2719	2.4764
Electric/NG	0.1483	0.0059	0.0367	0.0201	-	-	-	0.1595
Total	3.4241	0.2526	1.2643	0.6743	1.0936	0.6102	2.6653	2.6376

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.3398	0.1020	0.5031	0.5481	0.5953	0.2037	1.4187	0.0059
Diesel	0.0149	0.0000	0.0046	0.0169	0.5772	0.4505	8.1912	8.9288
Electric/NG	0.0613	0.0024	0.0152	0.0173	-	-	-	0.5751
Total	1.4160	0.1045	0.5228	0.5823	1.1725	0.6542	9.6099	9.5098

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.8849	0.0674	0.3323	0.0913	0.0500	0.0171	0.0693	0.0003
Diesel	0.0098	0.0000	0.0030	0.0028	0.0485	0.0379	0.4001	0.4361
Electric/NG	0.0405	0.0016	0.0100	0.0029	-	-	-	0.0281
Total	0.9353	0.0690	0.3453	0.0970	0.0985	0.0550	0.4694	0.4645

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	5.4645	0.4161	2.0520	1.2740	1.2006	0.4109	1.8815	0.0078	12.7074
Diesel	0.0607	0.0001	0.0186	0.0393	1.1640	0.9085	10.8631	11.8414	24.8957
Electric/NG	0.2501	0.0100	0.0618	0.0403	-	-	-	0.7627	1.1248
Total	5.7753	0.4261	2.1325	1.3536	2.3647	1.3194	12.7446	12.6118	**38.7280**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	20.8881
Internal	18.2556
Total	**39.1437**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0572	0.0381	0.0025	0.0043	0.1021
10 mph	0.0255	0.0024	0.0101	0.0059	0.0185	0.0153	0.0084	0.0354	0.1216
15 mph	0.0237	0.0023	0.0095	0.0039	0.0142	0.0124	0.0057	0.0241	0.0959
20 mph	0.0097	0.0009	0.0039	0.0023	0.0095	0.0085	0.0101	0.0372	0.0822
25 mph	0.0341	0.0033	0.0137	0.0078	0.0431	0.0392	0.0411	0.1679	0.3501
30 mph	0.0303	0.0029	0.0121	0.0072	0.0350	0.0322	0.0372	0.1548	0.3116
35 mph	0.0463	0.0044	0.0185	0.0087	0.0332	0.0305	0.0324	0.1369	0.3109
40 mph	0.0093	0.0009	0.0037	0.0030	0.0185	0.0170	0.0397	0.1702	0.2623
45 mph	0.0070	0.0007	0.0028	0.0022	0.0141	0.0129	0.0385	0.1662	0.2443
50 mph	0.0071	0.0007	0.0028	0.0023	0.0147	0.0133	0.0447	0.1916	0.2771
55 mph	0.0050	0.0005	0.0020	0.0015	0.0092	0.0082	0.0186	0.0811	0.1260
60 mph	0.0082	0.0008	0.0032	0.0021	0.0112	0.0098	0.8986	3.8681	4.8020
65 mph	0.0014	0.0001	0.0006	0.0004	0.0023	0.0019	-	-	0.0067
70 mph	0.0207	0.0020	0.0081	0.0093	0.0784	0.0578	-	-	0.1763
total	0.2282	0.0217	0.0910	0.0567	0.3591	0.2971	1.1775	5.0379	7.2692

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2030 (Net) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	2,261	2.40	0.32	0.0005	1.06	0.0019	4.31
2	L	3,178	2.40	0.32	0.0005	1.49	0.0019	6.05
3	L	3,014	2.40	0.32	0.0005	1.41	0.0019	5.74
5	L	4,874	2.40	0.32	0.0005	2.28	0.0019	9.29
6	L	9,770	2.40	0.32	0.0005	4.57	0.0019	18.61
8	L	7,283	2.40	0.32	0.0005	3.41	0.0019	13.87
11	L	(1,468)	2.40	0.32	0.0005	(0.69)	0.0019	(2.80)
12	L	(2,237)	2.40	0.32	0.0005	(1.05)	0.0019	(4.26)
14	L	(1,199)	2.40	0.32	0.0005	(0.56)	0.0019	(2.28)
18	L	1,266	2.40	0.32	0.0005	0.59	0.0019	2.41
19	L	6,032	2.40	0.32	0.0005	2.82	0.0019	11.49
21	L	3,099	2.40	0.32	0.0005	1.45	0.0019	5.90
24	L	6,971	2.40	0.32	0.0005	3.26	0.0019	13.28
30	L	(6,846)	2.40	0.32	0.0005	(3.20)	0.0019	(13.04)
29	L	3,277	2.40	0.32	0.0005	1.53	0.0019	6.24
31	L	(236)	2.40	0.32	0.0005	(0.11)	0.0019	(0.45)
TOTAL						18.26		74.37

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2030 (Net) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	219,089	2.40	0.032	0.0001	12.60	0.0002	51.35
Freeway	F	286,935	2.40	0.015	0.0000	8.28	0.0001	33.75
TOTAL		506,024				20.89		85.10

World Logistics Center
Mobile Emissions - 2030 (Net) - Mitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0051	0.0077	0.0066	0.0076	0.0098	0.0110	0.0186	0.2039
15 mph	0.0045	0.0067	0.0058	0.0066	0.0086	0.0097	0.0165	0.1800
20 mph	0.0040	0.0060	0.0052	0.0059	0.0079	0.0088	0.0149	0.1623
25 mph	0.0037	0.0054	0.0047	0.0054	0.0072	0.0080	0.0135	0.1485
30 mph	0.0034	0.0050	0.0044	0.0050	0.0068	0.0074	0.0124	0.1383
35 mph	0.0032	0.0047	0.0041	0.0047	0.0065	0.0070	0.0116	0.1308
40 mph	0.0031	0.0045	0.0039	0.0045	0.0062	0.0067	0.0111	0.1252
45 mph	0.0030	0.0044	0.0038	0.0044	0.0061	0.0066	0.0107	0.1217
50 mph	0.0029	0.0044	0.0038	0.0043	0.0060	0.0065	0.0106	0.1206
55 mph	0.0030	0.0045	0.0038	0.0044	0.0062	0.0066	0.0107	0.1219
60 mph	0.0031	0.0047	0.0040	0.0046	0.0064	0.0068	0.0111	0.1259
65 mph	0.0032	0.0050	0.0042	0.0049	0.0067	0.0071	0.0117	0.1320
70 mph	0.0034	0.0055	0.0044	0.0052	0.0074	0.0073	0.0116	0.1395

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0570	0.1212	0.0766	0.0953	0.1406	0.1573	0.2738	0.4025
15 mph	0.0469	0.1008	0.0635	0.0808	0.0915	0.1044	0.2153	0.3127
20 mph	0.0385	0.0828	0.0522	0.0671	0.0781	0.0891	0.1839	0.2670
25 mph	0.0323	0.0692	0.0437	0.0568	0.0692	0.0794	0.1605	0.2249
30 mph	0.0279	0.0595	0.0378	0.0491	0.0629	0.0717	0.1409	0.1974
35 mph	0.0253	0.0533	0.0341	0.0447	0.0631	0.0718	0.1259	0.1766
40 mph	0.0237	0.0497	0.0319	0.0418	0.0614	0.0693	0.1153	0.1621
45 mph	0.0229	0.0479	0.0307	0.0402	0.0599	0.0666	0.1093	0.1540
50 mph	0.0229	0.0479	0.0307	0.0405	0.0629	0.0691	0.1078	0.1513
55 mph	0.0240	0.0501	0.0321	0.0427	0.0656	0.0715	0.1110	0.1575
60 mph	0.0260	0.0543	0.0348	0.0462	0.0662	0.0717	0.1186	0.1671
65 mph	0.0292	0.0606	0.0391	0.0520	0.0673	0.0721	0.1307	0.1811
70 mph	0.0318	0.0631	0.0418	0.0567	0.0686	0.0736	0.1319	0.1839

*US EPA Emission Factors for Greenhouse Gas Inventories. (Idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.8816
15 mph								0.7397
20 mph								0.6458
25 mph								0.5951
30 mph								0.5627
35 mph								0.5371
40 mph								0.5161
45 mph								0.4984
50 mph								0.4833
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0466	0.0053	0.0227	0.0135	0.0078	0.0026	0.0075	0.0006	0.1067
15 mph	0.0164	0.0019	0.0080	0.0047	0.0028	0.0009	0.0022	0.0002	0.0369
20 mph	0.0294	0.0033	0.0142	0.0085	0.0050	0.0017	0.0040	0.0003	0.0664
25 mph	0.1341	0.0150	0.0647	0.0384	0.0231	0.0075	0.0198	0.0017	0.3043
30 mph	0.1370	0.0153	0.0658	0.0392	0.0238	0.0077	0.0166	0.0014	0.3069
35 mph	0.1059	0.0118	0.0507	0.0303	0.0186	0.0060	0.0070	0.0006	0.2308
40 mph	0.0337	0.0038	0.0161	0.0096	0.0060	0.0019	0.0074	0.0006	0.0792
45 mph	0.0272	0.0030	0.0130	0.0078	0.0048	0.0015	0.0057	0.0005	0.0637
50 mph	0.0269	0.0030	0.0129	0.0077	0.0048	0.0015	0.0092	0.0008	0.0669
55 mph	0.0218	0.0025	0.0105	0.0063	0.0039	0.0012	0.0022	0.0002	0.0486
60 mph	0.0452	0.0052	0.0219	0.0132	0.0081	0.0026	0.0022	0.0002	0.0987
65 mph	0.0059	0.0007	0.0029	0.0017	0.0011	0.0003	-	-	0.0126
70 mph	-	-	-	-	-	-	-	-	-
total	0.6301	0.0710	0.3035	0.1810	0.1098	0.0356	0.0838	0.0072	1.4219

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0039	0.0004	0.0019	0.0023	0.0017	0.0006	-	-	0.0107
15 mph	0.0034	0.0004	0.0016	0.0020	0.0015	0.0005	-	-	0.0094
20 mph	0.0030	0.0003	0.0015	0.0018	0.0013	0.0004	0.0072	0.0006	0.0162
25 mph	0.0055	0.0006	0.0027	0.0033	0.0025	0.0008	0.0114	0.0010	0.0278
30 mph	0.0103	0.0012	0.0050	0.0062	0.0046	0.0015	0.0179	0.0015	0.0482
35 mph	0.0219	0.0024	0.0105	0.0131	0.0099	0.0032	0.0168	0.0015	0.0793
40 mph	0.0232	0.0026	0.0111	0.0139	0.0106	0.0034	0.0147	0.0013	0.0809
45 mph	0.0180	0.0020	0.0086	0.0108	0.0083	0.0027	0.0103	0.0009	0.0616
50 mph	0.0200	0.0023	0.0096	0.0120	0.0093	0.0029	0.0051	0.0004	0.0617
55 mph	0.0112	0.0013	0.0054	0.0068	0.0053	0.0017	0.0026	0.0002	0.0345
60 mph	0.0070	0.0008	0.0034	0.0043	0.0033	0.0010	0.1875	0.0164	0.2237
65 mph	0.0024	0.0003	0.0012	0.0015	0.0011	0.0004	-	-	0.0069
70 mph	0.1187	0.0147	0.0571	0.0740	0.0584	0.0171	-	-	0.3398
total	0.2486	0.0293	0.1195	0.1520	0.1179	0.0362	0.2736	0.0239	1.0010

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0013	0.0004	0.0006	0.0000	0.0023
15 mph	0.0421	0.0048	0.0205	0.0068	0.0043	0.0014	0.0036	0.0003	0.0839
25 mph	-	-	-	-	0.0068	0.0022	0.0129	0.0011	0.0231
35 mph	0.1304	0.0146	0.0624	0.0193	-	-	-	-	0.2266
total	0.1725	0.0193	0.0829	0.0261	0.0124	0.0040	0.0171	0.0014	0.3359

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0013	0.0004	0.0006	0.0000	0.0023
10 mph	0.0504	0.0058	0.0246	0.0158	0.0095	0.0032	0.0075	0.0006	0.1175
15 mph	0.0619	0.0070	0.0301	0.0136	0.0085	0.0028	0.0058	0.0005	0.1302
20 mph	0.0324	0.0037	0.0157	0.0103	0.0064	0.0021	0.0111	0.0009	0.0826
25 mph	0.1396	0.0157	0.0673	0.0417	0.0323	0.0106	0.0441	0.0038	0.3552
30 mph	0.1474	0.0165	0.0708	0.0454	0.0284	0.0092	0.0345	0.0030	0.3551
35 mph	0.2581	0.0288	0.1236	0.0626	0.0285	0.0092	0.0238	0.0021	0.5368
40 mph	0.0570	0.0064	0.0272	0.0235	0.0166	0.0053	0.0222	0.0019	0.1601
45 mph	0.0452	0.0051	0.0216	0.0186	0.0132	0.0042	0.0161	0.0014	0.1253
50 mph	0.0469	0.0053	0.0225	0.0198	0.0141	0.0045	0.0143	0.0013	0.1287
55 mph	0.0330	0.0038	0.0159	0.0131	0.0092	0.0029	0.0047	0.0004	0.0831
60 mph	0.0522	0.0060	0.0253	0.0174	0.0114	0.0036	0.1897	0.0166	0.3224
65 mph	0.0084	0.0010	0.0041	0.0032	0.0022	0.0007	-	-	0.0196
70 mph	0.1187	0.0147	0.0571	0.0740	0.0584	0.0171	-	-	0.3398
total	1.0512	0.1196	0.5059	0.3591	0.2401	0.0758	0.3745	0.0326	2.7588

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0058	0.0000	0.0024	0.0053	0.1058	0.0802	0.6340	1.7135	2.5469
15 mph	0.0019	0.0000	0.0008	0.0018	0.0275	0.0213	0.1662	0.4438	0.6633
20 mph	0.0031	0.0000	0.0013	0.0030	0.0470	0.0363	0.2840	0.7579	1.1326
25 mph	0.0131	0.0000	0.0054	0.0125	0.2084	0.1619	1.3629	3.5101	5.2744
30 mph	0.0125	0.0000	0.0052	0.0119	0.2084	0.1608	1.0878	2.8017	4.2882
35 mph	0.0092	0.0000	0.0038	0.0089	0.1709	0.1318	0.4372	1.1276	1.8894
40 mph	0.0029	0.0000	0.0012	0.0028	0.0555	0.0424	0.4451	1.1505	1.7003
45 mph	0.0023	0.0000	0.0010	0.0022	0.0451	0.0340	0.3375	0.8743	1.2963
50 mph	0.0023	0.0000	0.0010	0.0022	0.0473	0.0352	0.5411	1.3955	2.0247
55 mph	0.0019	0.0000	0.0008	0.0019	0.0395	0.0291	0.1285	0.3353	0.5371
60 mph	0.0042	0.0000	0.0017	0.0041	0.0798	0.0585	0.1373	0.3556	0.6412
65 mph	0.0006	0.0000	0.0002	0.0006	0.0101	0.0073	-	-	0.0189
70 mph	-	-	-	-	-	-	-	-	-
total	0.0599	0.0002	0.0247	0.0571	1.0454	0.7987	5.5617	14.4657	22.0133

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0005	0.0000	0.0002	0.0009	0.0227	0.0172	-	-	0.0415
15 mph	0.0004	0.0000	0.0002	0.0008	0.0148	0.0114	-	-	0.0275
20 mph	0.0003	0.0000	0.0001	0.0006	0.0126	0.0097	0.5119	1.3663	1.9016
25 mph	0.0005	0.0000	0.0002	0.0011	0.0223	0.0174	0.7818	2.0134	2.8368
30 mph	0.0009	0.0000	0.0004	0.0019	0.0406	0.0313	1.1766	3.0304	4.2822
35 mph	0.0019	0.0000	0.0008	0.0038	0.0916	0.0706	1.0509	2.7103	3.9300
40 mph	0.0020	0.0000	0.0008	0.0040	0.0991	0.0757	0.8827	2.2815	3.3457
45 mph	0.0015	0.0000	0.0006	0.0031	0.0774	0.0582	0.6084	1.5761	2.3254
50 mph	0.0017	0.0000	0.0007	0.0035	0.0913	0.0680	0.3002	0.7741	1.2395
55 mph	0.0010	0.0000	0.0004	0.0020	0.0530	0.0391	0.1544	0.4030	0.6529
60 mph	0.0007	0.0000	0.0003	0.0013	0.0321	0.0235	11.5508	29.9187	41.5273
65 mph	0.0002	0.0000	0.0001	0.0005	0.0109	0.0079	-	-	0.0196
70 mph	0.0123	0.0000	0.0049	0.0249	0.5093	0.3698	-	-	0.9213
total	0.0240	0.0001	0.0098	0.0483	1.0776	0.7999	17.0176	44.0738	63.0511

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0003	0.0012	0.0023	0.0043
15 mph	0.0049	0.0000	0.0020	0.0026	0.0428	0.0331	0.2723	0.7268	1.0844
25 mph	-	-	-	-	0.0615	0.0478	0.8880	2.2870	3.2843
35 mph	0.0114	0.0000	0.0047	0.0057	-	-	-	-	0.0217
total	0.0163	0.0000	0.0067	0.0082	0.1048	0.0811	1.1615	3.0161	4.3947

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0003	0.0012	0.0023	0.0043
10 mph	0.0063	0.0000	0.0026	0.0062	0.1285	0.0974	0.6340	1.7135	2.5884
15 mph	0.0072	0.0000	0.0030	0.0051	0.0851	0.0657	0.4385	1.1705	1.7752
20 mph	0.0034	0.0000	0.0014	0.0036	0.0596	0.0461	0.7959	2.1242	3.0342
25 mph	0.0136	0.0000	0.0057	0.0136	0.2923	0.2270	3.0327	7.8106	11.3955
30 mph	0.0134	0.0000	0.0056	0.0138	0.2491	0.1921	2.2643	5.8321	8.5704
35 mph	0.0225	0.0001	0.0093	0.0184	0.2625	0.2024	1.4881	3.8379	5.8411
40 mph	0.0049	0.0000	0.0020	0.0068	0.1546	0.1181	1.3278	3.4320	5.0460
45 mph	0.0039	0.0000	0.0016	0.0053	0.1225	0.0922	0.9459	2.4504	3.6217
50 mph	0.0041	0.0000	0.0017	0.0057	0.1386	0.1032	0.8413	2.1696	3.2642
55 mph	0.0030	0.0000	0.0012	0.0039	0.0925	0.0682	0.2829	0.7383	1.1900
60 mph	0.0049	0.0000	0.0020	0.0054	0.1118	0.0820	11.6881	30.2743	42.1685
65 mph	0.0008	0.0000	0.0003	0.0011	0.0210	0.0152	-	-	0.0385
70 mph	0.0123	0.0000	0.0049	0.0249	0.5093	0.3698	-	-	0.9213
total	0.1002	0.0002	0.0412	0.1137	2.2277	1.6797	23.7408	61.5556	89.4592

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.2379	0.2379
15 mph								0.0665	0.0665
20 mph								0.1162	0.1162
25 mph								0.5889	0.5889
30 mph								0.5062	0.5062
35 mph								0.2174	0.2174
40 mph								0.2321	0.2321
45 mph								0.1793	0.1793
50 mph								0.2826	0.2826
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.4272	2.4272

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.2094	0.2094
25 mph								0.3378	0.3378
30 mph								0.5475	0.5475
35 mph								0.5226	0.5226
40 mph								0.4603	
45 mph								0.3233	
50 mph								0.1568	
55 mph								-	
60 mph								-	
65 mph								-	
70 mph								-	
total	-	-	-	-	-	-	-	1.6173	1.6173

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0004	0.0004
15 mph								0.1090	0.1090
25 mph								0.3837	0.3837
35 mph								-	-
total	-	-	-	-	-	-	-	0.4931	0.4931

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0004	0.0004
10 mph								0.2379	0.2379
15 mph								0.1755	0.1755
20 mph								0.3256	0.3256
25 mph								1.3103	1.3103
30 mph								1.0537	1.0537
35 mph								0.7400	0.7400
40 mph								0.6924	0.6924
45 mph								0.5026	0.5026
50 mph								0.4393	0.4393
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.4780	5.4780

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0018	0.0007	0.0018	0.0027	0.0070
10 mph	0.0567	0.0058	0.0272	0.0220	0.1380	0.1005	0.6415	1.9520	2.9437
15 mph	0.0691	0.0071	0.0331	0.0187	0.0936	0.0686	0.4443	1.3466	2.0809
20 mph	0.0359	0.0037	0.0171	0.0139	0.0660	0.0482	0.8070	2.4507	3.4425
25 mph	0.1533	0.0157	0.0730	0.0554	0.3246	0.2376	3.0768	9.1247	13.0610
30 mph	0.1608	0.0165	0.0763	0.0591	0.2775	0.2013	2.2989	6.8888	9.9792
35 mph	0.2806	0.0289	0.1329	0.0810	0.2910	0.2116	1.5119	4.5800	7.1178
40 mph	0.0618	0.0064	0.0293	0.0303	0.1712	0.1234	1.3500	4.1263	5.8986
45 mph	0.0490	0.0051	0.0232	0.0239	0.1356	0.0964	0.9620	2.9545	4.2497
50 mph	0.0509	0.0053	0.0242	0.0255	0.1528	0.1077	0.8556	2.6102	3.8322
55 mph	0.0360	0.0038	0.0171	0.0170	0.1017	0.0711	0.2877	0.7387	1.2731
60 mph	0.0571	0.0061	0.0273	0.0228	0.1233	0.0856	11.8778	30.2910	42.4909
65 mph	0.0092	0.0010	0.0044	0.0043	0.0232	0.0159	-	-	0.0580
70 mph	0.1309	0.0147	0.0620	0.0988	0.5677	0.3869	-	-	1.2611
STREX	0.1226	0.0103	0.0530	0.1109	0.0500	0.0148	0.0204	0.0000	0.3821
total	1.2740	0.1301	0.6001	0.5837	2.5178	1.7704	24.1357	67.0662	**98.0780**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0207	0.0227	0.0238	0.0255	0.0348	0.0349	0.0295	0.0046
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1226	0.0103	0.0530	0.1109	0.0500	0.0148	0.0204	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1226	0.0103	0.0530	0.1109	0.0500	0.0148	0.0204	0.0000

World Logistics Center
Mobile Emissions - 2030 (Net) - Mitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.9712	1.9903	3.3637	2.4465
10 mph	0.0054	0.0112	0.0090	0.0107	0.0114	0.0094	0.0206	0.3096
15 mph	0.0036	0.0076	0.0061	0.0072	0.0077	0.0063	0.0138	0.2055
20 mph	0.0026	0.0054	0.0043	0.0051	0.0056	0.0044	0.0097	0.1447
25 mph	0.0019	0.0041	0.0032	0.0038	0.0042	0.0033	0.0071	0.1072
30 mph	0.0015	0.0032	0.0025	0.0029	0.0033	0.0026	0.0055	0.0838
35 mph	0.0012	0.0026	0.0020	0.0024	0.0028	0.0021	0.0045	0.0692
40 mph	0.0010	0.0023	0.0018	0.0021	0.0024	0.0019	0.0039	0.0604
45 mph	0.0010	0.0021	0.0016	0.0019	0.0023	0.0017	0.0036	0.0554
50 mph	0.0009	0.0020	0.0015	0.0019	0.0022	0.0016	0.0034	0.0537
55 mph	0.0009	0.0020	0.0016	0.0019	0.0023	0.0017	0.0035	0.0547
60 mph	0.0010	0.0021	0.0016	0.0020	0.0024	0.0018	0.0038	0.0585
65 mph	0.0011	0.0023	0.0018	0.0022	0.0028	0.0020		
70 mph	0.0012	0.0028	0.0019	0.0024	0.0030	0.0020		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0235	0.1100
10 mph	0.0041	0.0159	0.0091	0.0044	0.0256	0.0257	0.0015	0.0038
15 mph	0.0021	0.0100	0.0044	0.0022	0.0129	0.0130	0.0008	0.0021
20 mph	0.0009	0.0065	0.0017	0.0009	0.0056	0.0056	0.0006	0.0013
25 mph	0.0005	0.0050	0.0011	0.0005	0.0035	0.0035	0.0005	0.0011
30 mph	0.0004	0.0041	0.0008	0.0004	0.0028	0.0028	0.0004	0.0009
35 mph	0.0003	0.0035	0.0006	0.0003	0.0023	0.0023	0.0003	0.0007
40 mph	0.0003	0.0032	0.0005	0.0003	0.0020	0.0019	0.0003	0.0006
45 mph	0.0002	0.0030	0.0004	0.0002	0.0017	0.0017	0.0002	0.0006
50 mph	0.0002	0.0030	0.0004	0.0002	0.0016	0.0016	0.0002	0.0006
55 mph	0.0002	0.0031	0.0003	0.0002	0.0015	0.0015	0.0003	0.0006
60 mph	0.0002	0.0033	0.0003	0.0002	0.0015	0.0015	0.0003	0.0007
65 mph	0.0002	0.0038	0.0003	0.0002	0.0017	0.0016		
70 mph	0.0002	0.0043	0.0003	0.0002	0.0025	0.0023		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.9094
10 mph								11.2382
15 mph								7.7245
20 mph								5.4622
25 mph								4.0087
30 mph								2.9733
35 mph								2.2080
40 mph								1.6429
45 mph								1.2267
50 mph								0.9213
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0497	0.0078	0.0309	0.0192	0.0091	0.0022	0.0083	0.0010	0.1281
15 mph	0.0132	0.0021	0.0083	0.0051	0.0025	0.0006	0.0018	0.0002	0.0339
20 mph	0.0186	0.0030	0.0117	0.0073	0.0036	0.0008	0.0026	0.0003	0.0480
25 mph	0.0687	0.0113	0.0435	0.0270	0.0133	0.0031	0.0105	0.0012	0.1785
30 mph	0.0587	0.0098	0.0372	0.0232	0.0116	0.0027	0.0074	0.0009	0.1513
35 mph	0.0393	0.0066	0.0250	0.0156	0.0079	0.0018	0.0027	0.0003	0.0992
40 mph	0.0114	0.0019	0.0072	0.0045	0.0023	0.0005	0.0026	0.0003	0.0308
45 mph	0.0087	0.0015	0.0055	0.0035	0.0018	0.0004	0.0019	0.0002	0.0235
50 mph	0.0084	0.0014	0.0053	0.0033	0.0018	0.0004	0.0030	0.0004	0.0240
55 mph	0.0068	0.0011	0.0043	0.0027	0.0015	0.0003	0.0007	0.0001	0.0175
60 mph	0.0144	0.0024	0.0090	0.0057	0.0031	0.0007	0.0008	0.0001	0.0361
65 mph	0.0020	0.0003	0.0012	0.0008	0.0004	0.0001	-	-	0.0049
70 mph	-	-	-	-	-	-	-	-	-
total	0.2999	0.0492	0.1892	0.1177	0.0589	0.0136	0.0422	0.0050	0.7758

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0041	0.0006	0.0026	0.0033	0.0020	0.0005	-	-	0.0131
15 mph	0.0027	0.0004	0.0017	0.0022	0.0013	0.0003	-	-	0.0087
20 mph	0.0019	0.0003	0.0012	0.0016	0.0010	0.0002	0.0047	0.0005	0.0114
25 mph	0.0028	0.0005	0.0018	0.0023	0.0014	0.0003	0.0060	0.0007	0.0159
30 mph	0.0044	0.0007	0.0028	0.0036	0.0023	0.0005	0.0080	0.0009	0.0233
35 mph	0.0081	0.0014	0.0052	0.0067	0.0042	0.0010	0.0065	0.0008	0.0339
40 mph	0.0078	0.0013	0.0050	0.0065	0.0042	0.0009	0.0052	0.0006	0.0316
45 mph	0.0058	0.0010	0.0037	0.0048	0.0031	0.0007	0.0034	0.0004	0.0228
50 mph	0.0063	0.0011	0.0040	0.0052	0.0034	0.0008	0.0017	0.0002	0.0225
55 mph	0.0035	0.0006	0.0022	0.0029	0.0020	0.0004	0.0009	0.0001	0.0126
60 mph	0.0022	0.0004	0.0014	0.0018	0.0013	0.0003	0.0638	0.0076	0.0788
65 mph	0.0008	0.0001	0.0005	0.0007	0.0005	0.0001	-	-	0.0027
70 mph	0.0413	0.0073	0.0252	0.0344	0.0234	0.0047	-	-	0.1364
total	0.0919	0.0157	0.0572	0.0761	0.0499	0.0107	0.1001	0.0119	0.4136

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1949	0.0582	0.1511	0.0012	0.4054
15 mph	0.0341	0.0054	0.0214	0.0075	0.0038	0.0009	0.0030	0.0003	0.0765
25 mph	-	-	-	-	0.0039	0.0009	0.0068	0.0008	0.0125
35 mph	0.0484	0.0081	0.0307	0.0099	-	-	-	-	0.0972
total	0.0825	0.0136	0.0521	0.0174	0.2027	0.0600	0.1610	0.0023	0.5916

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1949	0.0582	0.1511	0.0012	0.4054
10 mph	0.0538	0.0085	0.0335	0.0225	0.0111	0.0027	0.0083	0.0010	0.1412
15 mph	0.0501	0.0080	0.0314	0.0148	0.0076	0.0018	0.0049	0.0006	0.1192
20 mph	0.0205	0.0033	0.0130	0.0088	0.0045	0.0011	0.0073	0.0008	0.0594
25 mph	0.0715	0.0118	0.0453	0.0293	0.0187	0.0044	0.0234	0.0027	0.2069
30 mph	0.0631	0.0105	0.0400	0.0268	0.0138	0.0032	0.0153	0.0018	0.1746
35 mph	0.0959	0.0161	0.0608	0.0322	0.0122	0.0028	0.0092	0.0011	0.2303
40 mph	0.0192	0.0032	0.0122	0.0110	0.0065	0.0015	0.0078	0.0009	0.0624
45 mph	0.0145	0.0024	0.0092	0.0082	0.0049	0.0011	0.0053	0.0006	0.0463
50 mph	0.0147	0.0025	0.0093	0.0085	0.0052	0.0011	0.0047	0.0006	0.0464
55 mph	0.0103	0.0017	0.0065	0.0056	0.0034	0.0007	0.0016	0.0002	0.0301
60 mph	0.0166	0.0027	0.0104	0.0075	0.0044	0.0010	0.0646	0.0077	0.1149
65 mph	0.0028	0.0005	0.0018	0.0015	0.0009	0.0002	-	-	0.0076
70 mph	0.0413	0.0073	0.0252	0.0344	0.0234	0.0047	-	-	0.1364
total	0.4744	0.0785	0.2985	0.2112	0.3115	0.0844	0.3033	0.0192	1.7811

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0004	0.0000	0.0003	0.0002	0.0192	0.0131	0.0035	0.0162	0.0530
15 mph	0.0001	0.0000	0.0001	0.0000	0.0039	0.0026	0.0007	0.0030	0.0103
20 mph	0.0001	0.0000	0.0000	0.0000	0.0034	0.0023	0.0009	0.0037	0.0104
25 mph	0.0002	0.0000	0.0001	0.0001	0.0107	0.0072	0.0038	0.0167	0.0389
30 mph	0.0002	0.0000	0.0001	0.0001	0.0092	0.0062	0.0028	0.0123	0.0309
35 mph	0.0001	0.0000	0.0001	0.0001	0.0062	0.0042	0.0010	0.0046	0.0162
40 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0012	0.0010	0.0044	0.0084
45 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0009	0.0007	0.0032	0.0062
50 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0008	0.0012	0.0052	0.0085
55 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0006	0.0003	0.0013	0.0032
60 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0012	0.0004	0.0016	0.0050
65 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0012	0.0000	0.0008	0.0007	0.0598	0.0404	0.0163	0.0723	0.1914

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0041	0.0028	-	-	0.0070
15 mph	0.0000	0.0000	0.0000	0.0000	0.0021	0.0014	-	-	0.0035
20 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0006	0.0016	0.0067	0.0098
25 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0008	0.0022	0.0096	0.0137
30 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0012	0.0030	0.0133	0.0194
35 mph	0.0000	0.0000	0.0000	0.0000	0.0033	0.0022	0.0025	0.0110	0.0191
40 mph	0.0000	0.0000	0.0000	0.0000	0.0032	0.0021	0.0020	0.0087	0.0160
45 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0015	0.0013	0.0058	0.0109
50 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0015	0.0007	0.0029	0.0075
55 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0008	0.0004	0.0016	0.0040
60 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0298	0.1313	0.1624
65 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	-	-	0.0005
70 mph	0.0001	0.0000	0.0000	0.0001	0.0189	0.0115	-	-	0.0307
total	0.0003	0.0000	0.0001	0.0003	0.0422	0.0272	0.0435	0.1909	0.3045

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0137	0.0093	0.0061	0.0524	0.0816
15 mph	0.0002	0.0000	0.0001	0.0001	0.0060	0.0041	0.0011	0.0049	0.0165
25 mph	-	-	-	-	0.0032	0.0021	0.0025	0.0109	0.0187
35 mph	0.0002	0.0000	0.0001	0.0000	-	-	-	-	0.0003
total	0.0004	0.0000	0.0002	0.0001	0.0229	0.0155	0.0096	0.0682	0.1170

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0137	0.0093	0.0061	0.0524	0.0816
10 mph	0.0005	0.0000	0.0003	0.0003	0.0234	0.0159	0.0035	0.0162	0.0601
15 mph	0.0003	0.0000	0.0002	0.0001	0.0120	0.0082	0.0017	0.0078	0.0304
20 mph	0.0001	0.0000	0.0000	0.0000	0.0042	0.0029	0.0025	0.0104	0.0202
25 mph	0.0002	0.0000	0.0001	0.0001	0.0150	0.0101	0.0085	0.0373	0.0714
30 mph	0.0002	0.0000	0.0001	0.0001	0.0110	0.0074	0.0059	0.0256	0.0502
35 mph	0.0003	0.0000	0.0002	0.0001	0.0095	0.0064	0.0035	0.0155	0.0356
40 mph	0.0001	0.0000	0.0000	0.0000	0.0050	0.0033	0.0030	0.0130	0.0244
45 mph	0.0000	0.0000	0.0000	0.0000	0.0036	0.0024	0.0021	0.0090	0.0171
50 mph	0.0000	0.0000	0.0000	0.0000	0.0035	0.0023	0.0019	0.0081	0.0160
55 mph	0.0000	0.0000	0.0000	0.0000	0.0021	0.0014	0.0007	0.0030	0.0072
60 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0017	0.0302	0.1329	0.1674
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	-	-	0.0009
70 mph	0.0001	0.0000	0.0000	0.0001	0.0189	0.0115	-	-	0.0307
total	0.0019	0.0000	0.0011	0.0011	0.1250	0.0831	0.0695	0.3314	0.6130

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								3.0329	3.0329
15 mph								0.6949	0.6949
20 mph								0.9828	0.9828
25 mph								3.9668	3.9668
30 mph								2.6747	2.6747
35 mph								0.8938	0.8938
40 mph								0.7390	0.7390
45 mph								0.4414	0.4414
50 mph								0.5387	0.5387
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	13.9650	13.9650

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1.7717	1.7717
25 mph								2.2754	2.2754
30 mph								2.8931	2.8931
35 mph								2.1484	2.1484
40 mph								1.4654	1.4654
45 mph								0.7957	0.7957
50 mph								0.2988	0.2988
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	9.0886	9.0886

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0577	0.0577
15 mph								1.1381	1.1381
25 mph								2.5845	2.5845
35 mph								-	-
total	-	-	-	-	-	-	-	3.7803	3.7803

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0577	0.0577
10 mph								3.0329	3.0329
15 mph								1.8330	1.8330
20 mph								2.7544	2.7544
25 mph								8.8267	8.8267
30 mph								5.5679	5.5679
35 mph								3.0423	3.0423
40 mph								2.2044	2.2044
45 mph								1.2371	1.2371
50 mph								0.8375	0.8375
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	29.3939	29.3939

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2086	0.0675	0.1572	0.1113	0.5447
10 mph	0.0542	0.0085	0.0338	0.0227	0.0345	0.0186	0.0118	3.0501	3.2342
15 mph	0.0504	0.0080	0.0316	0.0149	0.0196	0.0100	0.0066	1.8414	1.9825
20 mph	0.0206	0.0033	0.0130	0.0089	0.0088	0.0039	0.0098	2.7657	2.8340
25 mph	0.0717	0.0118	0.0454	0.0294	0.0337	0.0145	0.0319	8.8667	9.1050
30 mph	0.0633	0.0105	0.0402	0.0269	0.0248	0.0106	0.0212	5.5953	5.7927
35 mph	0.0962	0.0161	0.0610	0.0324	0.0217	0.0092	0.0127	3.0589	3.3081
40 mph	0.0193	0.0032	0.0122	0.0111	0.0115	0.0048	0.0108	2.2183	2.2911
45 mph	0.0145	0.0024	0.0092	0.0083	0.0085	0.0035	0.0074	1.2468	1.3005
50 mph	0.0147	0.0025	0.0093	0.0085	0.0087	0.0035	0.0065	0.8462	0.9000
55 mph	0.0104	0.0017	0.0065	0.0056	0.0055	0.0022	0.0022	0.0031	0.0373
60 mph	0.0167	0.0027	0.0104	0.0075	0.0069	0.0026	0.0948	0.1406	0.2823
65 mph	0.0028	0.0005	0.0018	0.0015	0.0014	0.0005	-	-	0.0085
70 mph	0.0414	0.0073	0.0252	0.0345	0.0423	0.0163	-	-	0.1671
STREX	0.1880	0.0185	0.0961	0.2148	0.0234	0.0069	0.0230	0.0000	0.5708
total	0.6642	0.0971	0.3957	0.4271	0.4598	0.1745	0.3958	29.7445	**32.3587**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0317	0.0411	0.0432	0.0494	0.0162	0.0163	0.0333	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1880	0.0185	0.0961	0.2148	0.0234	0.0069	0.0230	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1880	0.0185	0.0961	0.2148	0.0234	0.0069	0.0230	0.0000

World Logistics Center
Mobile Emissions - 2030 (Net) - Mitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,216.28	4,926.28	12,488.75	20,655.89
10 mph	430.46	504.33	515.50	634.80	1,384.39	1,594.48	2,850.60	3,361.67
15 mph	351.85	412.20	421.22	518.34	1,131.02	1,301.73	2,332.73	2,758.43
20 mph	292.64	342.83	350.33	431.15	940.41	1,082.62	1,937.50	2,298.30
25 mph	250.19	293.17	299.62	369.00	803.82	925.23	1,657.70	1,967.59
30 mph	222.05	260.23	266.02	327.95	713.55	821.41	1,472.76	1,746.15
35 mph	205.93	241.37	246.78	304.66	661.82	762.03	1,366.48	1,616.96
40 mph	199.52	233.86	239.10	295.23	640.72	737.77	1,322.23	1,563.25
45 mph	200.60	235.01	240.22	296.52	643.07	740.46	1,327.96	1,564.56
50 mph	206.60	242.00	247.31	305.53	662.01	761.96	1,366.03	1,607.00
55 mph	214.64	251.37	256.98	317.62	689.10	793.10	1,419.94	1,669.61
60 mph	221.02	259.19	265.18	328.18	716.98	825.17	1,476.80	1,734.25
65 mph	226.43	265.98	272.23	337.51	738.74	849.85		
70 mph	229.39	269.76	274.97	345.23	749.14	858.85		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,420.19	5,521.81	5,667.64	5,278.26
10 mph	362.74	771.23	487.12	606.30	894.25	1,000.67	1,741.69	2,560.49
15 mph	298.39	641.51	404.03	513.74	581.99	663.89	1,369.94	1,989.30
20 mph	244.77	526.75	331.90	426.71	496.66	566.92	1,170.14	1,698.76
25 mph	205.23	439.99	278.30	361.32	440.41	505.13	1,021.12	1,430.51
30 mph	177.81	378.47	240.63	312.57	400.37	456.05	896.46	1,255.96
35 mph	160.80	339.14	217.13	284.20	401.15	456.93	800.70	1,123.29
40 mph	150.49	316.01	202.63	265.96	390.60	440.71	733.66	1,031.52
45 mph	145.38	304.96	195.38	255.91	381.17	423.85	695.34	979.84
50 mph	145.83	304.90	195.62	257.42	399.90	439.85	686.12	962.46
55 mph	152.57	318.96	204.50	271.62	417.42	454.72	706.00	1,002.14
60 mph	165.42	345.76	221.55	294.11	421.41	456.14	754.35	1,062.84
65 mph	186.07	385.35	248.78	330.95	427.89	458.51		
70 mph	202.44	401.64	266.23	360.81	436.41	468.02		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,325.64
10 mph								4,324.49
15 mph								3,628.72
20 mph								3,167.69
25 mph								2,919.19
30 mph								2,760.29
35 mph								2,634.53
40 mph								2,531.45
45 mph								2,444.84
50 mph								2,370.73
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	3,928.49	350.43	1,766.68	1,134.84	1,105.72	376.66	1,143.41	10.44	9,816.67
15 mph	1,284.43	114.57	577.43	370.66	361.34	123.00	311.90	2.86	3,146.18
20 mph	2,136.55	190.57	960.49	616.61	600.89	204.60	518.10	4.76	5,232.57
25 mph	9,133.20	814.84	4,107.38	2,638.66	2,568.07	874.26	2,438.07	22.41	22,596.89
30 mph	8,916.45	795.62	4,011.36	2,579.58	2,507.65	853.77	1,969.15	18.08	21,651.66
35 mph	6,765.74	603.77	3,044.72	1,960.73	1,902.98	648.04	822.17	7.53	15,755.68
40 mph	2,185.07	195.00	983.29	633.34	614.10	209.14	883.94	8.09	5,711.96
45 mph	1,830.71	163.29	823.27	530.09	513.62	174.92	710.21	6.48	4,752.60
50 mph	1,885.53	168.15	847.57	546.19	528.75	180.00	1,187.19	10.81	5,354.19
55 mph	1,567.08	139.73	704.54	454.24	440.32	149.88	284.78	2.59	3,743.16
60 mph	3,227.42	288.16	1,454.06	938.70	916.25	311.88	296.18	2.69	7,435.35
65 mph	413.29	36.96	186.59	120.67	118.01	40.15	-	-	915.67
70 mph	-	-	-	-	-	-	-	-	-
total	43,273.94	3,861.10	19,467.38	12,524.32	12,177.71	4,146.29	10,565.10	96.74	106,112.58

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	324.91	28.98	146.11	196.02	237.11	80.77	-	-	1,013.90
15 mph	265.57	23.69	119.39	160.06	193.71	65.94	-	-	828.36
20 mph	220.88	19.70	99.30	133.13	161.06	54.84	934.01	8.58	1,631.51
25 mph	377.68	33.70	169.85	227.89	275.34	93.74	1,398.48	12.85	2,589.53
30 mph	670.40	59.82	301.60	405.06	488.84	166.43	2,129.93	19.55	4,241.65
35 mph	1,398.91	124.84	629.54	846.69	1,020.16	347.41	1,976.23	18.11	6,361.88
40 mph	1,505.98	134.39	677.69	911.63	1,097.37	373.72	1,752.88	16.05	6,469.71
45 mph	1,211.28	108.04	544.71	732.50	881.11	300.07	1,280.34	11.68	5,069.73
50 mph	1,403.49	125.17	630.89	849.10	1,020.44	347.38	658.52	6.00	5,040.98
55 mph	810.04	72.23	364.19	490.38	590.12	200.87	342.26	3.12	2,873.20
60 mph	500.49	44.69	225.49	304.01	368.39	125.40	24,917.33	226.56	26,712.35
65 mph	170.91	15.29	77.16	104.22	126.53	43.05	-	-	537.15
70 mph	7,964.69	713.12	3,585.13	4,903.78	5,902.11	2,001.24	-	-	25,070.07
total	16,825.22	1,503.65	7,571.05	10,264.48	12,362.29	4,200.85	35,389.99	322.49	88,440.02

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	416.88	144.06	561.02	10.04	1,132.01
15 mph	3,308.11	295.07	1,487.20	537.96	561.46	191.12	510.83	4.68	6,896.44
25 mph	-	-	-	-	757.85	258.00	1,588.51	14.60	2,618.95
35 mph	8,330.61	743.42	3,748.94	1,250.17	-	-	-	-	14,073.14
total	11,638.72	1,038.49	5,236.14	1,788.13	1,736.19	593.18	2,660.37	29.32	24,720.54

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	416.88	144.06	561.02	10.04	1,132.01
10 mph	4,253.39	379.42	1,912.79	1,330.86	1,342.83	457.43	1,143.41	10.44	10,830.57
15 mph	4,858.12	433.33	2,184.03	1,068.67	1,116.52	380.06	822.73	7.53	10,870.98
20 mph	2,357.43	210.27	1,059.79	749.74	761.96	259.44	1,452.12	13.34	6,864.08
25 mph	9,510.89	848.54	4,277.23	2,866.55	3,601.25	1,225.99	5,425.07	49.86	27,805.37
30 mph	9,586.85	855.44	4,312.97	2,984.65	2,996.49	1,020.20	4,099.08	37.63	25,893.31
35 mph	16,495.26	1,472.03	7,423.19	4,057.59	2,923.14	995.45	2,798.40	25.64	36,190.70
40 mph	3,691.05	329.39	1,660.98	1,544.97	1,711.47	582.86	2,636.82	24.14	12,181.67
45 mph	3,041.99	271.34	1,367.98	1,262.59	1,394.73	474.99	1,990.56	18.16	9,822.33
50 mph	3,289.02	293.32	1,478.46	1,395.29	1,549.19	527.37	1,845.71	16.81	10,395.17
55 mph	2,377.11	211.96	1,068.73	944.62	1,030.43	350.76	627.03	5.71	6,616.36
60 mph	3,727.91	332.85	1,679.55	1,242.71	1,284.65	437.28	25,213.51	229.25	34,147.70
65 mph	584.19	52.25	263.75	224.90	244.53	83.20	-	-	1,452.82
70 mph	7,964.69	713.12	3,585.13	4,903.78	5,902.11	2,001.24	-	-	25,070.07
total	71,737.89	6,403.24	32,274.57	24,576.93	26,276.19	8,940.32	48,615.46	448.54	219,273.15

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	36.79	0.09	15.12	33.44	673.11	510.01	4,033.49	10,901.07	16,203.13
15 mph	12.10	0.03	5.02	11.34	175.23	135.34	1,057.53	2,823.10	4,219.69
20 mph	19.86	0.05	8.24	18.83	299.07	231.15	1,806.58	4,821.55	7,205.34
25 mph	83.26	0.21	34.55	79.72	1,326.01	1,029.79	8,670.80	22,331.05	33,555.40
30 mph	79.35	0.20	32.87	75.86	1,325.99	1,022.69	6,920.23	17,823.85	27,281.04
35 mph	58.71	0.15	24.26	56.44	1,087.03	838.36	2,781.44	7,173.49	12,019.88
40 mph	18.32	0.05	7.55	17.60	352.81	269.54	2,831.75	7,319.36	10,816.97
45 mph	14.74	0.04	6.06	14.12	286.91	216.02	2,147.08	5,562.13	8,247.10
50 mph	14.79	0.04	6.07	14.20	301.01	224.18	3,442.73	8,878.10	12,881.12
55 mph	12.38	0.03	5.08	11.99	251.35	185.40	817.50	2,133.27	3,417.00
60 mph	26.84	0.07	11.00	25.96	507.52	371.97	873.48	2,262.48	4,079.32
65 mph	3.77	0.01	1.54	3.65	64.42	46.74	-	-	120.13
70 mph	-	-	-	-	-	-	-	-	-
total	380.92	0.96	157.37	363.14	6,650.46	5,081.19	35,382.61	92,029.46	140,046.11

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	3.04	0.01	1.25	5.78	144.34	109.36	-	-	263.78
15 mph	2.50	0.01	1.04	4.89	93.94	72.56	-	-	174.94
20 mph	2.05	0.01	0.85	4.07	80.16	61.96	3,256.81	8,692.07	12,097.99
25 mph	3.44	0.01	1.43	6.89	142.17	110.41	4,973.60	12,809.16	18,047.11
30 mph	5.97	0.02	2.47	11.91	258.49	199.36	7,485.28	19,279.21	27,242.70
35 mph	12.14	0.03	5.02	24.37	582.74	449.43	6,685.68	17,242.71	25,002.11
40 mph	12.62	0.03	5.20	25.34	630.45	481.65	5,615.44	14,514.51	21,285.25
45 mph	9.76	0.02	4.01	19.51	492.19	370.57	3,870.65	10,027.15	14,793.87
50 mph	11.01	0.03	4.52	22.07	580.92	432.64	1,909.66	4,924.63	7,885.48
55 mph	6.40	0.02	2.63	12.94	336.87	248.48	982.50	2,563.83	4,153.66
60 mph	4.16	0.01	1.71	8.41	204.05	149.55	73,484.68	190,339.28	264,191.86
65 mph	1.56	0.00	0.64	3.15	69.06	50.11	-	-	124.53
70 mph	78.11	0.18	31.44	158.14	3,240.19	2,352.86	-	-	5,860.93
total	152.77	0.37	62.20	307.46	6,855.59	5,088.96	108,264.29	280,392.55	401,124.20

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	318.69	348.38	1,469.97	2,516.70	4,653.74
15 mph	31.18	0.08	12.92	16.45	272.28	210.30	1,732.03	4,623.71	6,898.95
25 mph	-	-	-	-	391.31	303.90	5,649.43	14,549.71	20,894.35
35 mph	72.29	0.18	29.88	35.98	-	-	-	-	138.33
total	103.47	0.26	42.80	52.44	982.28	862.58	8,851.43	21,690.12	32,585.37

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	318.69	348.38	1,469.97	2,516.70	4,653.74
10 mph	39.83	0.10	16.37	39.22	817.45	619.37	4,033.49	10,901.07	16,466.91
15 mph	45.78	0.12	18.97	32.68	541.44	418.20	2,789.56	7,446.81	11,293.57
20 mph	21.91	0.06	9.09	22.90	379.23	293.11	5,063.39	13,513.63	19,303.32
25 mph	86.70	0.22	35.98	86.61	1,859.49	1,444.10	19,293.83	49,689.92	72,496.86
30 mph	85.31	0.22	35.34	87.77	1,584.48	1,222.06	14,405.51	37,103.06	54,523.74
35 mph	143.14	0.36	59.16	116.79	1,669.76	1,287.80	9,467.12	24,416.20	37,160.32
40 mph	30.94	0.08	12.75	42.95	983.26	751.19	8,447.19	21,833.87	32,102.23
45 mph	24.50	0.06	10.08	33.62	779.10	586.59	6,017.73	15,589.28	23,040.97
50 mph	25.80	0.06	10.59	36.27	881.93	656.81	5,352.39	13,802.73	20,766.60
55 mph	18.78	0.05	7.70	24.93	588.22	433.89	1,800.00	4,697.10	7,570.66
60 mph	31.01	0.08	12.71	34.36	711.57	521.52	74,358.16	192,601.77	268,271.17
65 mph	5.33	0.01	2.18	6.80	133.48	96.85	-	-	244.66
70 mph	78.11	0.18	31.44	158.14	3,240.19	2,352.86	-	-	5,860.93
total	637.15	1.59	262.37	723.04	14,488.33	11,032.74	152,498.33	394,112.13	573,755.67

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1,167.08	1,167.08
15 mph								326.43	326.43
20 mph								569.92	569.92
25 mph								2,888.67	2,888.67
30 mph								2,483.12	2,483.12
35 mph								1,066.49	1,066.49
40 mph								1,138.63	1,138.63
45 mph								879.74	879.74
50 mph								1,386.24	1,386.24
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	11,906.33	11,906.33

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1,027.43	1,027.43
25 mph								1,656.95	1,656.95
30 mph								2,685.87	2,685.87
35 mph								2,563.50	2,563.50
40 mph								2,257.93	2,257.93
45 mph								1,585.95	1,585.95
50 mph								768.94	768.94
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	7,933.75	7,933.75

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								160.96	160.96
15 mph								534.64	534.64
25 mph								1,882.10	1,882.10
35 mph								-	-
total	-	-	-	-	-	-	-	2,577.71	2,577.71

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								160.96	160.96
10 mph								1,167.08	1,167.08
15 mph								861.07	861.07
20 mph								1,597.35	1,597.35
25 mph								6,427.72	6,427.72
30 mph								5,169.00	5,169.00
35 mph								3,629.99	3,629.99
40 mph								3,396.56	3,396.56
45 mph								2,465.69	2,465.69
50 mph								2,155.18	2,155.18
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	27,030.61	27,030.61

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	735.57	492.44	2,030.99	2,687.70	5,946.71
10 mph	4,293.22	379.52	1,929.16	1,370.08	2,160.28	1,076.80	5,176.91	12,078.59	28,464.55
15 mph	4,903.90	433.44	2,203.00	1,101.36	1,657.96	798.27	3,612.29	8,315.41	23,025.63
20 mph	2,379.34	210.33	1,068.89	772.64	1,141.19	552.54	6,515.51	15,124.32	27,764.76
25 mph	9,597.59	848.76	4,313.22	2,953.16	5,460.75	2,670.09	24,718.90	56,167.49	106,729.95
30 mph	9,672.16	855.66	4,348.30	3,072.42	4,580.98	2,242.26	18,504.59	42,309.68	85,586.05
35 mph	16,638.40	1,472.39	7,482.35	4,174.38	4,592.91	2,283.25	12,265.52	28,071.83	76,981.02
40 mph	3,721.98	329.47	1,673.73	1,587.92	2,694.73	1,334.05	11,084.00	25,254.57	47,680.46
45 mph	3,066.49	271.40	1,378.06	1,296.22	2,173.84	1,061.58	8,008.28	18,073.13	35,329.00
50 mph	3,314.82	293.38	1,489.05	1,431.56	2,431.13	1,184.19	7,198.10	15,974.72	33,316.95
55 mph	2,395.89	212.01	1,076.43	969.55	1,618.66	784.64	2,427.03	4,702.81	14,187.02
60 mph	3,758.91	332.92	1,692.26	1,277.08	1,996.22	958.80	99,571.67	192,831.02	302,418.87
65 mph	589.53	52.26	265.93	231.70	378.01	180.05	-	-	1,697.48
70 mph	8,042.80	713.31	3,616.57	5,061.92	9,142.30	4,354.10	-	-	30,930.99
STREX	271.30	24.31	125.06	302.16	25.01	8.44	23.60	0.22	780.09
total	72,646.33	6,429.14	32,661.99	25,602.14	40,789.53	19,981.50	201,137.39	421,591.51	**820,839.52**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	45.79	53.88	56.20	69.45	17.39	19.84	34.09	41.36
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	271.30	24.31	125.06	302.16	25.01	8.44	23.60	0.22
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	271.30	24.31	125.06	302.16	25.01	8.44	23.60	0.22

World Logistics Center
Mobile Emissions - 2031 (Net) - Mitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
39.11	1,148.46	688.36	8.11	10.64	174.74	108.08	293.46	10.15	42.89	42.28	95.32	7.71	102.81	34.79	871,454.86

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
7.14	209.59	125.63	1.48	1.94	31.89	19.72	53.56	1.85	7.83	7.72	17.40	1.41	18.76	6.35	159,040.51

World Logistics Center
Mobile Emissions - 2031 (Net) - Mitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	3,090.07	34.91	149.03	142,783.02	1,613.15	6,886.20
LDT1	235.49	0.04	6.03	10,881.23	1.76	278.72
LDT2	1,160.94	10.72	37.22	53,643.30	495.57	1,719.91
MDT	2,079.33	65.66	70.84	31,847.32	1,005.73	1,085.06
LHDT1	680.25	658.07	-	15,744.95	15,231.45	-
LHDT2	200.22	443.21	-	4,634.33	10,258.49	-
MHDT	329.34	1,925.41	-	14,697.48	85,926.33	-
HHDT	2.66	3,527.71	229.32	118.55	157,432.79	10,233.76

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	101,011.82	1,141.22	4,871.64	41,771.19	471.93	2,014.56
LDT1	7,697.92	1.25	197.18	3,183.30	0.52	81.54
LDT2	37,949.94	350.59	1,216.75	15,693.36	144.98	503.16
MDT	17,088.69	539.65	582.23	14,758.63	466.07	502.84
LHDT1	7,598.28	7,350.48	-	8,146.67	7,880.98	-
LHDT2	2,236.46	4,950.60	-	2,397.87	5,307.90	-
MHDT	3,191.29	18,657.30	-	11,506.20	67,269.03	-
HHDT	25.74	34,183.60	2,222.07	92.81	123,249.19	8,011.69

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	5,050.59	384.90	1,897.50	854.43	379.91	111.82	191.48	1.54	8,872.18
15 mph	2,020.24	153.96	759.00	341.77	151.97	44.73	63.83	0.51	3,536.00
20 mph	4,040.47	307.92	1,518.00	683.55	303.93	89.46	127.65	1.03	7,072.01
25 mph	20,202.36	1,539.58	7,589.99	3,417.74	1,519.66	447.29	702.08	5.66	35,424.37
30 mph	22,222.60	1,693.54	8,348.99	3,759.51	1,671.62	492.02	638.26	5.15	38,831.69
35 mph	18,182.13	1,385.63	6,830.99	3,075.96	1,367.69	402.56	287.22	2.32	31,534.49
40 mph	6,060.71	461.88	2,277.00	1,025.32	455.90	134.19	319.13	2.57	10,736.69
45 mph	5,050.59	384.90	1,897.50	854.43	379.91	111.82	255.30	2.06	8,936.52
50 mph	5,050.59	384.90	1,897.50	854.43	379.91	111.82	414.87	3.35	9,097.37
55 mph	4,040.47	307.92	1,518.00	683.55	303.93	89.46	95.74	0.77	7,039.84
60 mph	8,080.95	615.83	3,036.00	1,367.10	607.86	178.92	95.74	0.77	13,983.16
65 mph	1,010.12	76.98	379.50	170.89	75.98	22.36	-	-	1,735.83
70 mph	-	-	-	-	-	-	-	-	-
total	101,011.82	7,697.92	37,949.94	17,088.69	7,598.28	2,236.46	3,191.29	25.74	176,800.14

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	417.71	31.83	156.93	147.59	81.47	23.98	-	-	859.51
15 mph	417.71	31.83	156.93	147.59	81.47	23.98	-	-	859.51
20 mph	417.71	31.83	156.93	147.59	81.47	23.98	230.12	1.86	1,091.49
25 mph	835.42	63.67	313.87	295.17	162.93	47.96	402.72	3.25	2,124.99
30 mph	1,670.85	127.33	627.73	590.35	325.87	95.91	690.37	5.57	4,133.98
35 mph	3,759.41	286.50	1,412.40	1,328.28	733.20	215.81	690.37	5.57	8,431.53
40 mph	4,177.12	318.33	1,569.34	1,475.86	814.67	239.79	632.84	5.10	9,233.05
45 mph	3,341.70	254.66	1,255.47	1,180.69	651.73	191.83	460.25	3.71	7,340.04
50 mph	3,759.41	286.50	1,412.40	1,328.28	733.20	215.81	230.12	1.86	7,967.57
55 mph	2,088.56	159.17	784.67	737.93	407.33	119.89	115.06	0.93	4,413.54
60 mph	1,253.14	95.50	470.80	442.76	244.40	71.94	8,054.34	64.97	10,697.84
65 mph	417.71	31.83	156.93	147.59	81.47	23.98	-	-	859.51
70 mph	19,214.75	1,464.32	7,218.94	6,788.97	3,747.47	1,103.02	-	-	39,537.47
total	41,771.19	3,183.30	15,693.36	14,758.63	8,146.67	2,397.87	11,506.20	92.81	97,550.03

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	46.76	13.76	21.29	0.24	82.05
15 mph	4,492.60	342.37	1,687.86	495.68	234.78	69.11	103.78	0.84	7,427.03
25 mph	-	-	-	-	445.90	131.24	454.16	3.66	1,034.96
35 mph	19,330.00	1,473.10	7,262.24	1,959.83	-	-	-	-	30,025.18
total	23,822.60	1,815.48	8,950.10	2,455.51	680.68	200.35	557.94	4.50	38,487.17

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	46.76	13.76	21.29	0.24	82.05
10 mph	5,468.30	416.73	2,054.43	1,002.02	461.38	135.80	191.48	1.54	9,731.69
15 mph	6,930.55	528.16	2,603.79	985.04	468.21	137.81	167.61	1.35	11,822.54
20 mph	4,458.18	339.75	1,674.93	831.13	385.40	113.44	357.78	2.89	8,163.50
25 mph	21,037.79	1,603.25	7,903.86	3,712.91	2,128.49	626.49	1,558.96	12.57	38,584.32
30 mph	23,893.45	1,820.88	8,976.72	4,349.86	1,997.49	587.94	1,328.63	10.72	42,965.67
35 mph	41,271.54	3,145.23	15,505.63	6,364.07	2,100.89	618.37	977.59	7.89	69,991.20
40 mph	10,237.83	780.21	3,846.33	2,501.18	1,270.56	373.97	951.97	7.68	19,969.74
45 mph	8,392.29	639.56	3,152.97	2,035.12	1,031.65	303.65	715.55	5.77	16,276.56
50 mph	8,810.00	671.39	3,309.90	2,182.71	1,113.11	327.63	644.99	5.20	17,064.94
55 mph	6,129.03	467.08	2,302.67	1,421.48	711.26	209.35	210.80	1.70	11,453.38
60 mph	9,334.08	711.33	3,506.80	1,809.85	852.26	250.85	8,150.08	65.74	24,681.00
65 mph	1,427.83	108.81	536.43	318.47	157.45	46.34	-	-	2,595.34
70 mph	19,214.75	1,464.32	7,218.94	6,788.97	3,747.47	1,103.02	-	-	39,537.47
total	166,605.62	12,696.70	62,593.40	34,302.83	16,425.63	4,834.68	15,255.42	123.05	312,837.34

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	57.06	0.06	17.53	26.98	367.52	247.53	1,119.44	2,051.02	3,887.14
15 mph	22.82	0.02	7.01	10.79	147.01	99.01	373.15	683.67	1,343.49
20 mph	45.65	0.05	14.02	21.59	294.02	198.02	746.29	1,367.34	2,686.99
25 mph	228.24	0.25	70.12	107.93	1,470.10	990.12	4,104.61	7,520.39	14,491.76
30 mph	251.07	0.27	77.13	118.72	1,617.10	1,089.13	3,731.46	6,836.72	13,721.61
35 mph	205.42	0.22	63.11	97.14	1,323.09	891.11	1,679.16	3,076.52	7,335.76
40 mph	68.47	0.07	21.04	32.38	441.03	297.04	1,865.73	3,418.36	6,144.12
45 mph	57.06	0.06	17.53	26.98	367.52	247.53	1,492.58	2,734.69	4,943.96
50 mph	57.06	0.06	17.53	26.98	367.52	247.53	2,425.45	4,443.87	7,586.01
55 mph	45.65	0.05	14.02	21.59	294.02	198.02	559.72	1,025.51	2,158.58
60 mph	91.30	0.10	28.05	43.17	588.04	396.05	559.72	1,025.51	2,731.93
65 mph	11.41	0.01	3.51	5.40	73.50	49.51	-	-	143.34
70 mph	-	-	-	-	-	-	-	-	-
total	1,141.22	1.25	350.59	539.65	7,350.48	4,950.60	18,657.30	34,183.60	67,174.69

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	4.72	0.01	1.45	4.66	78.81	53.08	-	-	142.72
15 mph	4.72	0.01	1.45	4.66	78.81	53.08	-	-	142.72
20 mph	4.72	0.01	1.45	4.66	78.81	53.08	1,345.38	2,464.98	3,953.09
25 mph	9.44	0.01	2.90	9.32	157.62	106.16	2,354.42	4,313.72	6,953.59
30 mph	18.88	0.02	5.80	18.64	315.24	212.32	4,036.14	7,394.95	12,001.99
35 mph	42.47	0.05	13.05	41.95	709.29	477.71	4,036.14	7,394.95	12,715.61
40 mph	47.19	0.05	14.50	46.61	788.10	530.79	3,699.80	6,778.71	11,905.74
45 mph	37.75	0.04	11.60	37.29	630.48	424.63	2,690.76	4,929.97	8,762.52
50 mph	42.47	0.05	13.05	41.95	709.29	477.71	1,345.38	2,464.98	5,094.88
55 mph	23.60	0.03	7.25	23.30	394.05	265.39	672.69	1,232.49	2,618.80
60 mph	14.16	0.02	4.35	13.98	236.43	159.24	47,088.32	86,274.43	133,790.92
65 mph	4.72	0.01	1.45	4.66	78.81	53.08	-	-	142.72
70 mph	217.09	0.24	66.69	214.39	3,625.25	2,441.63	-	-	6,565.29
total	471.93	0.52	144.98	466.07	7,880.98	5,307.90	67,269.03	123,249.19	204,790.59

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	45.24	30.47	124.47	228.05	428.23
15 mph	50.76	0.06	15.59	15.65	227.12	152.97	606.76	1,111.69	2,180.60
25 mph	-	-	-	-	431.36	290.52	2,655.14	4,864.71	8,241.73
35 mph	218.39	0.24	67.09	61.89	-	-	-	-	347.61
total	269.15	0.29	82.68	77.54	658.48	443.49	3,261.90	5,976.40	10,769.94

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	45.24	30.47	124.47	228.05	428.23
10 mph	61.78	0.07	18.98	31.64	446.33	300.61	1,119.44	2,051.02	4,029.87
15 mph	78.30	0.09	24.05	31.11	452.94	305.06	979.90	1,795.36	3,666.82
20 mph	50.37	0.06	15.47	26.25	372.83	251.10	2,091.67	3,832.33	6,640.08
25 mph	237.68	0.26	73.02	117.25	2,059.07	1,386.80	9,114.17	16,698.82	29,687.07
30 mph	269.95	0.30	82.93	137.37	1,932.34	1,301.45	7,767.60	14,231.67	25,723.60
35 mph	466.28	0.51	143.24	200.97	2,032.37	1,368.82	5,715.30	10,471.48	20,398.98
40 mph	115.67	0.13	35.53	78.99	1,229.13	827.83	5,565.53	10,197.07	18,049.86
45 mph	94.82	0.10	29.13	64.27	998.00	672.16	4,183.35	7,664.66	13,706.48
50 mph	99.53	0.11	30.58	68.93	1,076.81	725.24	3,770.83	6,908.85	12,680.88
55 mph	69.25	0.08	21.27	44.89	688.07	463.42	1,232.41	2,258.00	4,777.38
60 mph	105.46	0.12	32.40	57.15	824.47	555.28	47,648.04	87,299.94	136,522.85
65 mph	16.13	0.02	4.96	10.06	152.31	102.58	-	-	286.06
70 mph	217.09	0.24	66.69	214.39	3,625.25	2,441.63	-	-	6,565.29
total	1,882.29	2.06	578.25	1,083.27	15,889.93	10,701.99	89,188.23	163,409.19	282,735.22

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	243.58	9.86	60.84	29.11	-	-	-	133.32	476.71
15 mph	97.43	3.94	24.34	11.64	-	-	-	44.44	181.80
20 mph	194.87	7.89	48.67	23.29	-	-	-	88.88	363.59
25 mph	974.33	39.44	243.35	116.45	-	-	-	488.86	1,862.42
30 mph	1,071.76	43.38	267.69	128.09	-	-	-	444.41	1,955.33
35 mph	876.90	35.49	219.02	104.80	-	-	-	199.99	1,436.19
40 mph	292.30	11.83	73.01	34.93	-	-	-	222.21	634.27
45 mph	243.58	9.86	60.84	29.11	-	-	-	177.77	521.16
50 mph	243.58	9.86	60.84	29.11	-	-	-	288.87	632.26
55 mph	194.87	7.89	48.67	23.29	-	-	-	66.66	341.37
60 mph	389.73	15.77	97.34	46.58	-	-	-	66.66	616.09
65 mph	48.72	1.97	12.17	5.82	-	-	-	-	68.68
70 mph	-	-	-	-	-	-	-	-	-
total	4,871.64	197.18	1,216.75	582.23	-	-	-	2,222.07	9,089.87

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	20.15	0.82	5.03	5.03	-	-	-	-	31.02
15 mph	20.15	0.82	5.03	5.03	-	-	-	-	31.02
20 mph	20.15	0.82	5.03	5.03	-	-	-	160.23	191.25
25 mph	40.29	1.63	10.06	10.06	-	-	-	280.41	342.45
30 mph	80.58	3.26	20.13	20.11	-	-	-	480.70	604.79
35 mph	181.31	7.34	45.28	45.26	-	-	-	480.70	759.89
40 mph	201.46	8.15	50.32	50.28	-	-	-	440.64	750.85
45 mph	161.16	6.52	40.25	40.23	-	-	-	320.47	568.64
50 mph	181.31	7.34	45.28	45.26	-	-	-	160.23	439.42
55 mph	100.73	4.08	25.16	25.14	-	-	-	80.12	235.22
60 mph	60.44	2.45	15.09	15.09	-	-	-	5,608.18	5,701.24
65 mph	20.15	0.82	5.03	5.03	-	-	-	-	31.02
70 mph	926.70	37.51	231.45	231.31	-	-	-	-	1,426.96
total	2,014.56	81.54	503.16	502.84	-	-	-	8,011.69	11,113.78

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	14.82	14.82
15 mph	216.67	8.77	54.12	16.89	-	-	-	72.26	368.71
25 mph	-	-	-	-	-	-	-	316.23	316.23
35 mph	932.26	37.73	232.84	66.77	-	-	-	-	1,269.60
total	1,148.93	46.50	286.96	83.66	-	-	-	388.49	1,954.54

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	14.82	14.82
10 mph	263.73	10.67	65.87	34.14	-	-	-	133.32	507.74
15 mph	334.25	13.53	83.48	33.56	-	-	-	116.71	581.53
20 mph	215.01	8.70	53.70	28.32	-	-	-	249.12	554.85
25 mph	1,014.62	41.07	253.41	126.50	-	-	-	1,085.49	2,521.09
30 mph	1,152.34	46.64	287.81	148.20	-	-	-	925.12	2,560.11
35 mph	1,990.46	80.56	497.14	216.83	-	-	-	680.69	3,465.68
40 mph	493.75	19.98	123.32	85.22	-	-	-	662.85	1,385.13
45 mph	404.75	16.38	101.09	69.34	-	-	-	498.23	1,089.79
50 mph	424.89	17.20	106.12	74.37	-	-	-	449.10	1,071.68
55 mph	295.59	11.96	73.83	48.43	-	-	-	146.78	576.60
60 mph	450.17	18.22	112.43	61.66	-	-	-	5,674.84	6,317.33
65 mph	68.86	2.79	17.20	10.85	-	-	-	-	99.70
70 mph	926.70	37.51	231.45	231.31	-	-	-	-	1,426.96
total	4,970.41	201.18	1,241.42	587.55	-	-	-	3,190.44	22,158.19

World Logistics Center
Mobile Emissions - 2031 (Net) - Mitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	22439	330	0.21	4712.3	4447.5	50.2	214.5
	LDT1	15	1656	330	0.21	347.7	338.9	0.1	8.7
	LDT2	15	8285	330	0.21	1739.9	1670.9	15.4	53.6
	MDT	15	2496	330	0.21	524.2	491.9	15.5	16.8
	LHDT1	15	2193	330	0.21	460.6	234.1	226.5	0.0
	LHDT2	15	1054	330	0.21	221.4	68.9	152.5	0.0
	MHDT	15	3358	330	0.21	705.1	103.0	602.1	0.0
	HHDT	15	5599	330	0.21	1175.7	0.8	1103.2	71.7
Travel at Light Logistics	LDA	15	161	175	0.11	17.7	16.7	0.2	0.8
	LDT1	15	12	175	0.11	1.3	1.3	0.0	0.0
	LDT2	15	60	175	0.11	6.5	6.3	0.1	0.2
	MDT	15	15	175	0.11	1.7	1.6	0.0	0.1
	LHDT1	15	9	175	0.11	1.0	0.5	0.5	0.0
	LHDT2	15	4	175	0.11	0.5	0.1	0.3	0.0
	MHDT	15	11	175	0.11	1.2	0.2	1.0	0.0
	HHDT	15	18	175	0.11	2.0	0.0	1.9	0.1
Travel at Utility	LDA	15	182	100	0.06	10.9	10.3	0.1	0.5
	LDT1	15	13	100	0.06	0.8	0.8	0.0	0.0
	LDT2	15	67	100	0.06	4.0	3.9	0.0	0.1
	MDT	15	39	100	0.06	2.3	2.2	0.1	0.1
	LHDT1	15	6	100	0.06	0.4	0.2	0.2	0.0
	LHDT2	15	3	100	0.06	0.2	0.1	0.1	0.0
	MHDT	15	11	100	0.06	0.7	0.1	0.6	0.0
	HHDT	15	19	100	0.06	1.1	0.0	1.1	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	118	50	0.03	3.6	0.5	3.0	0.0
	HHDT	15	197	50	0.03	5.9	0.0	5.6	0.4
Travel at Convenience Store	LDA	15	557	50	0.03	16.7	15.8	0.2	0.8
	LDT1	15	41	50	0.03	1.2	1.2	0.0	0.0
	LDT2	15	206	50	0.03	6.2	5.9	0.1	0.2
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	79	50	0.03	2.4	2.2	0.0	0.1
	LDT1	15	6	50	0.03	0.2	0.2	0.0	0.0
	LDT2	15	29	50	0.03	0.9	0.8	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	4492.6	342.4	1687.9	495.7	234.8	69.1	103.8	0.8
Diesel	50.8	0.1	15.6	15.7	227.1	153.0	606.8	1111.7
Electric/Natural Gas (HHDT Only)	216.7	8.8	54.1	16.9	0.0	0.0	0.0	72.3

World Logistics Center
Mobile Emissions - 2031 (Net) - Mitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	1097	557	539	0	2787.0	2696.1	0.0
	LHDT2	5	527	164	363	0	820.3	1815.9	0.0
	MHDT	5	1679	245	1434	0	1226.1	7168.2	0.0
	HHDT	5	2799	2	2627	171	9.9	13133.4	853.7
Travel at Light Logistics	LHDT1	5	4	2	2	0	11.2	10.8	0.0
	LHDT2	5	2	1	1	0	3.3	7.3	0.0
	MHDT	5	5	1	5	0	4.0	23.2	0.0
	HHDT	5	9	0	8	1	0.0	42.5	2.8
Travel at Utility	LHDT1	5	3	2	1	0	7.5	7.3	0.0
	LHDT2	5	1	0	1	0	2.2	4.9	0.0
	MHDT	5	6	1	5	0	4.1	24.1	0.0
	HHDT	5	9	0	9	1	0.0	44.2	2.9
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	59	9	51	0	43.2	252.7	0.0
	HHDT	5	99	0	93	6	0.3	463.0	30.1
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	46.8	13.8	21.3	0.2
Diesel	45.2	30.5	124.5	228.1
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	14.8

World Logistics Center
Mobile Emissions - 2031 (Net) - Mitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					14.3102	14.4829	27.1203	11.0247
10 mph	0.0172	0.0408	0.0314	0.0377	0.0430	0.0331	0.0816	1.4004
15 mph	0.0115	0.0277	0.0211	0.0254	0.0290	0.0222	0.0546	0.9294
20 mph	0.0081	0.0198	0.0150	0.0180	0.0211	0.0158	0.0387	0.6550
25 mph	0.0060	0.0148	0.0111	0.0133	0.0159	0.0117	0.0284	0.4851
30 mph	0.0046	0.0117	0.0086	0.0104	0.0126	0.0092	0.0219	0.3793
35 mph	0.0038	0.0096	0.0070	0.0085	0.0105	0.0076	0.0178	0.3133
40 mph	0.0033	0.0084	0.0061	0.0074	0.0094	0.0066	0.0156	0.2732
45 mph	0.0030	0.0077	0.0056	0.0068	0.0087	0.0061	0.0142	0.2509
50 mph	0.0029	0.0074	0.0054	0.0066	0.0085	0.0059	0.0137	0.2427
55 mph	0.0029	0.0074	0.0054	0.0066	0.0088	0.0060	0.0141	0.2475
60 mph	0.0031	0.0077	0.0057	0.0070	0.0094	0.0065	0.0151	0.2646
65 mph	0.0034	0.0085	0.0062	0.0077	0.0107	0.0073		
70 mph	0.0037	0.0100	0.0065	0.0084	0.0114	0.0071		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5053	2.3680
10 mph	0.0843	0.3142	0.1956	0.0911	0.5522	0.5544	0.0328	0.0819
15 mph	0.0422	0.1938	0.0957	0.0448	0.2776	0.2786	0.0182	0.0449
20 mph	0.0175	0.1217	0.0375	0.0179	0.1181	0.1184	0.0124	0.0282
25 mph	0.0109	0.0915	0.0226	0.0110	0.0748	0.0749	0.0097	0.0230
30 mph	0.0083	0.0750	0.0171	0.0084	0.0581	0.0581	0.0079	0.0186
35 mph	0.0067	0.0645	0.0136	0.0067	0.0479	0.0476	0.0065	0.0153
40 mph	0.0056	0.0581	0.0113	0.0056	0.0410	0.0406	0.0056	0.0132
45 mph	0.0049	0.0546	0.0096	0.0048	0.0361	0.0358	0.0051	0.0122
50 mph	0.0044	0.0537	0.0083	0.0042	0.0331	0.0327	0.0051	0.0122
55 mph	0.0040	0.0554	0.0073	0.0038	0.0308	0.0304	0.0056	0.0135
60 mph	0.0039	0.0599	0.0069	0.0037	0.0307	0.0302	0.0066	0.0188
65 mph	0.0040	0.0679	0.0070	0.0038	0.0339	0.0331		
70 mph	0.0042	0.0765	0.0071	0.0041	0.0506	0.0464		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0552
10 mph								0.4338
15 mph								0.2754
20 mph								0.1793
25 mph								0.1323
30 mph								0.1005
35 mph								0.0767
40 mph								0.0590
45 mph								0.0460
50 mph								0.0367
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1913	0.0347	0.1312	0.0711	0.0360	0.0082	0.0345	0.0048	0.5117
15 mph	0.0512	0.0094	0.0353	0.0191	0.0097	0.0022	0.0077	0.0011	0.1358
20 mph	0.0721	0.0135	0.0501	0.0271	0.0142	0.0031	0.0109	0.0015	0.1924
25 mph	0.2654	0.0504	0.1854	0.1006	0.0532	0.0116	0.0439	0.0061	0.7165
30 mph	0.2262	0.0435	0.1586	0.0863	0.0463	0.0099	0.0308	0.0043	0.6060
35 mph	0.1510	0.0294	0.1060	0.0579	0.0318	0.0067	0.0113	0.0016	0.3957
40 mph	0.0437	0.0085	0.0307	0.0168	0.0094	0.0020	0.0110	0.0016	0.1236
45 mph	0.0334	0.0065	0.0234	0.0128	0.0073	0.0015	0.0080	0.0011	0.0942
50 mph	0.0322	0.0063	0.0225	0.0124	0.0071	0.0015	0.0125	0.0018	0.0963
55 mph	0.0261	0.0051	0.0182	0.0100	0.0059	0.0012	0.0030	0.0004	0.0699
60 mph	0.0551	0.0105	0.0381	0.0210	0.0126	0.0025	0.0032	0.0005	0.1435
65 mph	0.0076	0.0014	0.0052	0.0029	0.0018	0.0004	-	-	0.0194
70 mph	-	-	-	-	-	-	-	-	-
total	1.1554	0.2192	0.8046	0.4381	0.2354	0.0507	0.1767	0.0246	3.1048

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0158	0.0029	0.0109	0.0123	0.0077	0.0017	-	-	0.0513
15 mph	0.0106	0.0019	0.0073	0.0083	0.0052	0.0012	-	-	0.0345
20 mph	0.0075	0.0014	0.0052	0.0059	0.0038	0.0008	0.0196	0.0027	0.0468
25 mph	0.0110	0.0021	0.0077	0.0087	0.0057	0.0012	0.0252	0.0035	0.0650
30 mph	0.0170	0.0033	0.0119	0.0136	0.0090	0.0019	0.0333	0.0047	0.0947
35 mph	0.0312	0.0061	0.0219	0.0250	0.0171	0.0036	0.0272	0.0038	0.1359
40 mph	0.0301	0.0059	0.0211	0.0242	0.0168	0.0035	0.0217	0.0031	0.1264
45 mph	0.0221	0.0043	0.0155	0.0178	0.0125	0.0026	0.0144	0.0021	0.0913
50 mph	0.0240	0.0047	0.0167	0.0192	0.0138	0.0028	0.0070	0.0010	0.0892
55 mph	0.0135	0.0026	0.0094	0.0108	0.0079	0.0016	0.0036	0.0005	0.0499
60 mph	0.0085	0.0016	0.0059	0.0068	0.0051	0.0010	0.2677	0.0379	0.3346
65 mph	0.0032	0.0006	0.0022	0.0025	0.0019	0.0004	-	-	0.0107
70 mph	0.1553	0.0322	0.1036	0.1256	0.0941	0.0173	-	-	0.5280
total	0.3497	0.0695	0.2392	0.2805	0.2007	0.0398	0.4197	0.0592	1.6584

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.4755	0.4395	1.2732	0.0058	3.1940
15 mph	0.1139	0.0209	0.0786	0.0277	0.0150	0.0034	0.0125	0.0017	0.2738
25 mph	-	-	-	-	0.0156	0.0034	0.0284	0.0039	0.0513
35 mph	0.1605	0.0313	0.1126	0.0369	-	-	-	-	0.3414
total	0.2745	0.0522	0.1913	0.0646	1.5062	0.4463	1.3141	0.0114	3.8605

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.4755	0.4395	1.2732	0.0058	3.1940
10 mph	0.2072	0.0375	0.1421	0.0834	0.0437	0.0099	0.0345	0.0048	0.5630
15 mph	0.1758	0.0323	0.1213	0.0551	0.0300	0.0067	0.0202	0.0028	0.4441
20 mph	0.0795	0.0149	0.0553	0.0330	0.0179	0.0040	0.0305	0.0042	0.2392
25 mph	0.2764	0.0525	0.1930	0.1093	0.0745	0.0162	0.0976	0.0135	0.8328
30 mph	0.2432	0.0468	0.1705	0.0999	0.0554	0.0119	0.0641	0.0090	0.7007
35 mph	0.3427	0.0668	0.2405	0.1199	0.0489	0.0103	0.0385	0.0054	0.8730
40 mph	0.0738	0.0144	0.0518	0.0410	0.0262	0.0055	0.0327	0.0046	0.2500
45 mph	0.0556	0.0108	0.0389	0.0306	0.0199	0.0041	0.0224	0.0032	0.1855
50 mph	0.0562	0.0110	0.0392	0.0316	0.0209	0.0043	0.0195	0.0028	0.1855
55 mph	0.0396	0.0077	0.0276	0.0208	0.0138	0.0028	0.0065	0.0009	0.1198
60 mph	0.0636	0.0121	0.0440	0.0278	0.0177	0.0036	0.2709	0.0384	0.4781
65 mph	0.0108	0.0020	0.0074	0.0054	0.0037	0.0007	-	-	0.0301
70 mph	0.1553	0.0322	0.1036	0.1256	0.0941	0.0173	-	-	0.5280
total	1.7796	0.3409	1.2351	0.7833	1.9423	0.5368	1.9105	0.0952	8.6237

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0106	0.0000	0.0076	0.0054	0.4475	0.3026	0.0809	0.3703	1.2249
15 mph	0.0021	0.0000	0.0015	0.0011	0.0900	0.0608	0.0150	0.0677	0.2382
20 mph	0.0018	0.0000	0.0012	0.0009	0.0766	0.0517	0.0204	0.0849	0.2373
25 mph	0.0055	0.0001	0.0035	0.0026	0.2424	0.1635	0.0879	0.3820	0.8875
30 mph	0.0046	0.0000	0.0029	0.0022	0.2073	0.1395	0.0647	0.2808	0.7019
35 mph	0.0030	0.0000	0.0019	0.0014	0.1397	0.0936	0.0240	0.1041	0.3678
40 mph	0.0008	0.0000	0.0005	0.0004	0.0398	0.0266	0.0229	0.0996	0.1907
45 mph	0.0006	0.0000	0.0004	0.0003	0.0293	0.0195	0.0168	0.0734	0.1404
50 mph	0.0005	0.0000	0.0003	0.0003	0.0268	0.0178	0.0275	0.1195	0.1928
55 mph	0.0004	0.0000	0.0002	0.0002	0.0200	0.0133	0.0070	0.0306	0.0717
60 mph	0.0008	0.0000	0.0004	0.0003	0.0398	0.0264	0.0082	0.0426	0.1185
65 mph	0.0001	0.0000	0.0001	0.0000	0.0055	0.0036	-	-	0.0093
70 mph	-	-	-	-	-	-	-	-	-
total	0.0309	0.0002	0.0204	0.0151	1.3646	0.9189	0.3751	1.6556	4.3810

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0009	0.0000	0.0006	0.0009	0.0960	0.0649	-	-	0.1633
15 mph	0.0004	0.0000	0.0003	0.0005	0.0482	0.0326	-	-	0.0821
20 mph	0.0002	0.0000	0.0001	0.0002	0.0205	0.0139	0.0367	0.1531	0.2247
25 mph	0.0002	0.0000	0.0001	0.0002	0.0260	0.0175	0.0504	0.2191	0.3137
30 mph	0.0003	0.0000	0.0002	0.0003	0.0404	0.0272	0.0699	0.3037	0.4422
35 mph	0.0006	0.0000	0.0004	0.0006	0.0749	0.0502	0.0576	0.2503	0.4346
40 mph	0.0006	0.0000	0.0004	0.0006	0.0712	0.0475	0.0453	0.1975	0.3631
45 mph	0.0004	0.0000	0.0002	0.0004	0.0502	0.0335	0.0303	0.1324	0.2475
50 mph	0.0004	0.0000	0.0002	0.0004	0.0518	0.0344	0.0153	0.0663	0.1688
55 mph	0.0002	0.0000	0.0001	0.0002	0.0268	0.0178	0.0084	0.0368	0.0903
60 mph	0.0001	0.0000	0.0001	0.0001	0.0160	0.0106	0.6864	3.5855	4.2988
65 mph	0.0000	0.0000	0.0000	0.0000	0.0059	0.0039	-	-	0.0099
70 mph	0.0020	0.0000	0.0010	0.0019	0.4043	0.2498	-	-	0.6590
total	0.0065	0.0001	0.0039	0.0064	0.9321	0.6038	1.0004	4.9446	7.4978

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3165	0.2132	0.1387	1.1908	1.8591
15 mph	0.0047	0.0000	0.0033	0.0015	0.1390	0.0940	0.0244	0.1101	0.3771
25 mph	-	-	-	-	0.0711	0.0480	0.0569	0.2471	0.4231
35 mph	0.0032	0.0000	0.0020	0.0009	-	-	-	-	0.0062
total	0.0079	0.0001	0.0053	0.0025	0.5266	0.3551	0.2199	1.5480	2.6655

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3165	0.2132	0.1387	1.1908	1.8591
10 mph	0.0115	0.0000	0.0082	0.0064	0.5434	0.3675	0.0809	0.3703	1.3882
15 mph	0.0073	0.0000	0.0051	0.0031	0.2772	0.1874	0.0393	0.1779	0.6973
20 mph	0.0019	0.0000	0.0013	0.0010	0.0971	0.0655	0.0571	0.2380	0.4620
25 mph	0.0057	0.0001	0.0036	0.0028	0.3396	0.2290	0.1952	0.8482	1.6242
30 mph	0.0050	0.0000	0.0031	0.0025	0.2477	0.1666	0.1346	0.5845	1.1441
35 mph	0.0069	0.0001	0.0043	0.0030	0.2146	0.1438	0.0816	0.3544	0.8087
40 mph	0.0014	0.0000	0.0009	0.0010	0.1110	0.0742	0.0682	0.2970	0.5537
45 mph	0.0010	0.0000	0.0006	0.0007	0.0795	0.0530	0.0472	0.2059	0.3879
50 mph	0.0010	0.0000	0.0006	0.0006	0.0786	0.0523	0.0428	0.1857	0.3615
55 mph	0.0006	0.0000	0.0003	0.0004	0.0468	0.0311	0.0153	0.0675	0.1620
60 mph	0.0009	0.0000	0.0005	0.0005	0.0558	0.0370	0.6946	3.6281	4.4173
65 mph	0.0001	0.0000	0.0001	0.0001	0.0114	0.0075	-	-	0.0192
70 mph	0.0020	0.0000	0.0010	0.0019	0.4043	0.2498	-	-	0.6590
total	0.0453	0.0004	0.0296	0.0240	2.8234	1.8779	1.5954	8.1483	14.5443

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1275	0.1275
15 mph								0.0270	0.0270
20 mph								0.0351	0.0351
25 mph								0.1426	0.1426
30 mph								0.0985	0.0985
35 mph								0.0338	0.0338
40 mph								0.0289	0.0289
45 mph								0.0180	0.0180
50 mph								0.0234	0.0234
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.5349	0.5349

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0633	0.0633
25 mph								0.0818	0.0818
30 mph								0.1065	0.1065
35 mph								0.0813	0.0813
40 mph								0.0574	0.0574
45 mph								0.0325	0.0325
50 mph								0.0130	0.0130
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.3330	0.3330

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0018	0.0018
15 mph								0.0439	0.0439
25 mph								0.0922	0.0922
35 mph								-	-
total	-	-	-	-	-	-	-	0.1379	0.1379

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0018	0.0018
10 mph								0.1275	0.1275
15 mph								0.0709	0.0709
20 mph								0.0985	0.0985
25 mph								0.3166	0.3166
30 mph								0.2050	0.2050
35 mph								0.1152	0.1152
40 mph								0.0863	0.0863
45 mph								0.0506	0.0506
50 mph								0.0363	0.0363
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.1087	1.1087

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2994	0.9397	0.5275	0.5774	0.9562	0.8755	0.5191	1.2172
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS + HOTSOAK Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.0397	0.4879	1.3503	2.6475	1.4343	0.3865	0.3769	0.0071
Electric/NG	-	-	-	-	-	-	-	-
Total	**2.0397**	**0.4879**	**1.3503**	**2.6475**	**1.4343**	**0.3865**	**0.3769**	**0.0071**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3036	0.6041	0.5235	0.6827	0.0657	0.0618	0.0519	0.0612
Electric/NG	0.0316	0.0313	0.0314	0.0315	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.0343	0.1568	0.6701	1.5650	0.0492	0.0136	0.0188	0.0002
Electric/NG	0.0052	0.0002	0.0013	0.0025	-	-	-	-
Total	1.0395	0.1571	0.6714	1.5675	0.0492	0.0136	0.0188	0.0002

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1228	0.1719	0.1755	0.2082	0.0723	0.0720	0.1633	0.0014
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.8367	0.0893	0.4492	0.9547	0.1084	0.0318	0.1186	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.8367	0.0893	0.4492	0.9547	0.1084	0.0318	0.1186	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.7920	0.6527	1.4119	1.1983	5.0549
10 mph	0.2186	0.0376	0.1503	0.0897	0.5871	0.3774	0.1153	0.5026	2.0787
15 mph	0.1831	0.0323	0.1263	0.0582	0.3072	0.1942	0.0595	0.2515	1.2123
20 mph	0.0815	0.0149	0.0566	0.0340	0.1150	0.0695	0.0876	0.3407	0.7997
25 mph	0.2821	0.0525	0.1967	0.1121	0.4140	0.2452	0.2928	1.1783	2.7737
30 mph	0.2482	0.0469	0.1736	0.1024	0.3030	0.1785	0.1987	0.7985	2.0498
35 mph	0.3496	0.0668	0.2448	0.1229	0.2635	0.1541	0.1201	0.4750	1.7968
40 mph	0.0752	0.0144	0.0527	0.0419	0.1373	0.0796	0.1009	0.3880	0.8900
45 mph	0.0566	0.0108	0.0396	0.0313	0.0994	0.0571	0.0695	0.2596	0.6240
50 mph	0.0572	0.0110	0.0398	0.0323	0.0995	0.0565	0.0623	0.2248	0.5833
55 mph	0.0402	0.0077	0.0279	0.0212	0.0606	0.0339	0.0219	0.0684	0.2817
60 mph	0.0645	0.0122	0.0445	0.0283	0.0735	0.0406	0.9655	3.6664	4.8955
65 mph	0.0109	0.0020	0.0075	0.0055	0.0151	0.0082	-	-	0.0493
70 mph	0.1572	0.0322	0.1046	0.1275	0.4984	0.2671	-	-	1.1871
RUNLOSS HO	2.0397	0.4879	1.3503	2.6475	1.4343	0.3865	0.3769	0.0071	8.7303
RESTLOSS DIU	1.0395	0.1571	0.6714	1.5675	0.0492	0.0136	0.0188	0.0002	3.5173
STREX	0.8367	0.0893	0.4492	0.9547	0.1084	0.0318	0.1186	0.0000	2.5887
total	5.7409	1.0756	3.7356	5.9769	6.3576	2.8466	4.0202	9.3595	**39.1131**

World Logistics Center
Mobile Emissions - 2031 (Net) - Mitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.2474	1.2619	2.4082	27.2537
10 mph	0.0341	0.0735	0.0603	0.0712	0.1250	0.1347	0.2536	4.7936
15 mph	0.0300	0.0635	0.0526	0.0619	0.1099	0.1179	0.2251	4.2353
20 mph	0.0269	0.0564	0.0469	0.0553	0.1010	0.1071	0.2036	3.8333
25 mph	0.0245	0.0507	0.0423	0.0500	0.0929	0.0977	0.1846	3.5140
30 mph	0.0226	0.0467	0.0389	0.0461	0.0875	0.0911	0.1695	3.2794
35 mph	0.0213	0.0439	0.0363	0.0433	0.0839	0.0864	0.1585	3.1100
40 mph	0.0203	0.0419	0.0347	0.0414	0.0812	0.0829	0.1518	2.9872
45 mph	0.0197	0.0409	0.0337	0.0403	0.0796	0.0805	0.1464	2.9095
50 mph	0.0194	0.0409	0.0334	0.0401	0.0795	0.0796	0.1447	2.8829
55 mph	0.0197	0.0422	0.0341	0.0410	0.0813	0.0809	0.1470	2.9220
60 mph	0.0205	0.0447	0.0359	0.0431	0.0842	0.0839	0.1521	3.0171
65 mph	0.0214	0.0478	0.0377	0.0455	0.0888	0.0880		
70 mph	0.0223	0.0534	0.0382	0.0484	0.0994	0.0896		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					38.5722	39.0838	29.2538	28.0042
10 mph	0.0611	0.4135	0.1261	0.0631	0.5683	0.5656	5.1798	10.7086
15 mph	0.0440	0.4016	0.0850	0.0437	0.4678	0.4701	3.6344	7.4425
20 mph	0.0321	0.3973	0.0567	0.0306	0.4462	0.4433	2.8860	5.2803
25 mph	0.0267	0.3995	0.0436	0.0247	0.4343	0.4298	2.2496	4.3686
30 mph	0.0239	0.4045	0.0367	0.0219	0.4504	0.4417	1.6801	3.2629
35 mph	0.0220	0.4083	0.0322	0.0202	0.4829	0.4663	1.2256	2.3824
40 mph	0.0208	0.4203	0.0289	0.0189	0.5100	0.4883	0.8855	1.7314
45 mph	0.0202	0.4358	0.0265	0.0180	0.5307	0.5066	0.6616	1.3032
50 mph	0.0199	0.4481	0.0247	0.0175	0.5606	0.5338	0.5551	1.0877
55 mph	0.0195	0.4671	0.0232	0.0170	0.5652	0.5409	0.5653	1.1432
60 mph	0.0197	0.4854	0.0227	0.0170	0.5755	0.5500	0.6923	1.3751
65 mph	0.0198	0.4893	0.0229	0.0176	0.6461	0.6124		
70 mph	0.0210	0.4443	0.0241	0.0209	1.2218	1.0656		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								31.5022
10 mph								2.6134
15 mph								1.9287
20 mph								1.4934
25 mph								1.2617
30 mph								1.1235
35 mph								1.0247
40 mph								0.9515
45 mph								0.8968
50 mph								0.8564
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.3800	0.0624	0.2523	0.1341	0.1047	0.0332	0.1071	0.0163	1.0901
15 mph	0.1336	0.0216	0.0880	0.0467	0.0368	0.0116	0.0317	0.0048	0.3748
20 mph	0.2399	0.0383	0.1571	0.0833	0.0677	0.0211	0.0573	0.0087	0.6733
25 mph	1.0899	0.1722	0.7078	0.3768	0.3113	0.0963	0.2857	0.0439	3.0839
30 mph	1.1092	0.1744	0.7159	0.3825	0.3224	0.0988	0.2386	0.0372	3.0791
35 mph	0.8527	0.1340	0.5472	0.2940	0.2530	0.0767	0.1004	0.0159	2.2739
40 mph	0.2713	0.0427	0.1740	0.0937	0.0816	0.0245	0.1068	0.0170	0.8116
45 mph	0.2191	0.0347	0.1409	0.0759	0.0666	0.0199	0.0824	0.0132	0.6526
50 mph	0.2165	0.0347	0.1395	0.0755	0.0666	0.0196	0.1324	0.0213	0.7062
55 mph	0.1755	0.0286	0.1143	0.0618	0.0545	0.0160	0.0310	0.0050	0.4867
60 mph	0.3655	0.0607	0.2403	0.1299	0.1129	0.0331	0.0321	0.0051	0.9797
65 mph	0.0477	0.0081	0.0315	0.0172	0.0149	0.0043	-	-	0.1238
70 mph	-	-	-	-	-	-	-	-	-
total	5.1010	0.8124	3.3088	1.7712	1.4931	0.4552	1.2054	0.1884	14.3356

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0314	0.0052	0.0209	0.0232	0.0225	0.0071	-	-	0.1102
15 mph	0.0276	0.0045	0.0182	0.0202	0.0197	0.0062	-	-	0.0964
20 mph	0.0248	0.0040	0.0162	0.0180	0.0181	0.0057	0.1033	0.0157	0.2058
25 mph	0.0451	0.0071	0.0293	0.0325	0.0334	0.0103	0.1639	0.0252	0.3468
30 mph	0.0834	0.0131	0.0538	0.0601	0.0629	0.0193	0.2581	0.0403	0.5909
35 mph	0.1763	0.0277	0.1131	0.1269	0.1356	0.0411	0.2413	0.0382	0.9004
40 mph	0.1870	0.0294	0.1199	0.1348	0.1459	0.0438	0.2118	0.0336	0.9062
45 mph	0.1449	0.0230	0.0932	0.1049	0.1143	0.0341	0.1486	0.0238	0.6868
50 mph	0.1612	0.0259	0.1039	0.1173	0.1285	0.0379	0.0734	0.0118	0.6599
55 mph	0.0907	0.0148	0.0591	0.0667	0.0730	0.0214	0.0373	0.0060	0.3690
60 mph	0.0567	0.0094	0.0373	0.0421	0.0454	0.0133	2.7014	0.4322	3.3377
65 mph	0.0197	0.0034	0.0130	0.0148	0.0160	0.0047	-	-	0.0716
70 mph	0.9438	0.1723	0.6086	0.7252	0.8218	0.2178	-	-	3.4896
total	1.9927	0.3397	1.2865	1.4868	1.6370	0.4627	3.9390	0.6267	11.7711

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1286	0.0383	0.1131	0.0143	0.2942
15 mph	0.2972	0.0480	0.1958	0.0677	0.0569	0.0180	0.0515	0.0078	0.7428
25 mph	-	-	-	-	0.0914	0.0283	0.1848	0.0284	0.3328
35 mph	0.9066	0.1424	0.5818	0.1873	-	-	-	-	1.8181
total	1.2038	0.1904	0.7775	0.2550	0.2769	0.0845	0.3494	0.0505	3.1879

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1286	0.0383	0.1131	0.0143	0.2942
10 mph	0.4114	0.0675	0.2732	0.1572	0.1272	0.0403	0.1071	0.0163	1.2003
15 mph	0.4584	0.0740	0.3020	0.1345	0.1134	0.0358	0.0832	0.0126	1.2140
20 mph	0.2647	0.0422	0.1733	0.1013	0.0858	0.0268	0.1606	0.0244	0.8791
25 mph	1.1349	0.1793	0.7371	0.4093	0.4361	0.1349	0.6344	0.0974	3.7635
30 mph	1.1927	0.1875	0.7697	0.4426	0.3853	0.1181	0.4966	0.0775	3.6699
35 mph	1.9356	0.3041	1.2421	0.6082	0.3886	0.1178	0.3417	0.0541	4.9923
40 mph	0.4583	0.0722	0.2939	0.2285	0.2275	0.0683	0.3185	0.0506	1.7178
45 mph	0.3640	0.0577	0.2341	0.1808	0.1810	0.0539	0.2310	0.0370	1.3394
50 mph	0.3777	0.0606	0.2434	0.1928	0.1952	0.0575	0.2058	0.0331	1.3661
55 mph	0.2663	0.0434	0.1733	0.1285	0.1275	0.0373	0.0683	0.0110	0.8556
60 mph	0.4222	0.0701	0.2775	0.1720	0.1582	0.0464	2.7335	0.4373	4.3174
65 mph	0.0675	0.0115	0.0446	0.0320	0.0308	0.0090	-	-	0.1953
70 mph	0.9438	0.1723	0.6086	0.7252	0.8218	0.2178	-	-	3.4896
total	8.2975	1.3425	5.3729	3.5130	3.4070	1.0024	5.4938	0.8656	29.2946

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0077	0.0001	0.0049	0.0038	0.4605	0.3087	12.7857	48.4295	62.0008
15 mph	0.0022	0.0000	0.0013	0.0010	0.1516	0.1026	2.9904	11.2196	14.4688
20 mph	0.0032	0.0000	0.0018	0.0015	0.2893	0.1936	4.7492	15.9200	21.1585
25 mph	0.0134	0.0002	0.0067	0.0059	1.4077	0.9384	20.3608	72.4422	95.1754
30 mph	0.0132	0.0002	0.0062	0.0057	1.6062	1.0608	13.8240	49.1886	65.7050
35 mph	0.0099	0.0002	0.0045	0.0043	1.4087	0.9162	4.5377	16.1614	23.0429
40 mph	0.0031	0.0001	0.0013	0.0014	0.4960	0.3198	3.6428	13.0501	17.5147
45 mph	0.0025	0.0001	0.0010	0.0011	0.4301	0.2765	2.1773	7.8582	10.7468
50 mph	0.0025	0.0001	0.0010	0.0010	0.4543	0.2913	2.9689	10.6581	14.3772
55 mph	0.0020	0.0001	0.0007	0.0008	0.3664	0.2362	0.6976	2.5851	3.8889
60 mph	0.0040	0.0001	0.0014	0.0016	0.7462	0.4803	0.8544	3.1094	5.1974
65 mph	0.0005	0.0000	0.0002	0.0002	0.1047	0.0668	-	-	0.1725
70 mph	-	-	-	-	-	-	-	-	-
total	0.0643	0.0012	0.0310	0.0283	7.9217	5.1913	69.5887	250.6222	333.4488

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0004	0.0006	0.0988	0.0662	-	-	0.1666
15 mph	0.0005	0.0000	0.0003	0.0004	0.0813	0.0550	-	-	0.1375
20 mph	0.0003	0.0000	0.0002	0.0003	0.0775	0.0519	8.5616	28.6998	37.3917
25 mph	0.0006	0.0000	0.0003	0.0005	0.1509	0.1006	11.6790	41.5531	53.4850
30 mph	0.0010	0.0000	0.0005	0.0009	0.3131	0.2068	14.9527	53.2050	68.6800
35 mph	0.0021	0.0000	0.0009	0.0019	0.7552	0.4911	10.9072	38.8466	51.0050
40 mph	0.0022	0.0000	0.0009	0.0019	0.8863	0.5715	7.2238	25.8788	34.5655
45 mph	0.0017	0.0000	0.0007	0.0015	0.7378	0.4744	3.9251	14.1663	19.3075
50 mph	0.0019	0.0000	0.0007	0.0016	0.8767	0.5623	1.6468	5.9120	9.0020
55 mph	0.0010	0.0000	0.0004	0.0009	0.4911	0.3166	0.8384	3.1069	4.7552
60 mph	0.0006	0.0000	0.0002	0.0005	0.3000	0.1931	71.8805	261.5890	333.9640
65 mph	0.0002	0.0000	0.0001	0.0002	0.1123	0.0717	-	-	0.1844
70 mph	0.0100	0.0002	0.0035	0.0099	9.7668	5.7372	-	-	15.5277
total	0.0226	0.0005	0.0091	0.0212	14.6478	8.8983	131.6152	472.9575	628.1723

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.8475	2.6257	8.0289	14.0821	28.5841
15 mph	0.0049	0.0000	0.0029	0.0015	0.2343	0.1586	4.8625	18.2437	23.5085
25 mph	-	-	-	-	0.4130	0.2754	13.1708	46.8606	60.7198
35 mph	0.0106	0.0002	0.0048	0.0028	-	-	-	-	0.0183
total	0.0155	0.0003	0.0077	0.0043	4.4948	3.0596	26.0622	79.1864	112.8307

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.8475	2.6257	8.0289	14.0821	28.5841
10 mph	0.0083	0.0001	0.0053	0.0044	0.5593	0.3749	12.7857	48.4295	62.1674
15 mph	0.0076	0.0001	0.0045	0.0030	0.4672	0.3162	7.8529	29.4633	38.1148
20 mph	0.0036	0.0000	0.0019	0.0018	0.3668	0.2455	13.3108	44.6199	58.5503
25 mph	0.0140	0.0002	0.0070	0.0064	1.9717	1.3144	45.2105	160.8560	209.3802
30 mph	0.0142	0.0003	0.0067	0.0066	1.9193	1.2676	28.7767	102.3936	134.3849
35 mph	0.0226	0.0005	0.0102	0.0090	2.1639	1.4073	15.4449	55.0080	74.0662
40 mph	0.0053	0.0001	0.0023	0.0033	1.3823	0.8914	10.8666	38.9290	52.0802
45 mph	0.0042	0.0001	0.0017	0.0025	1.1679	0.7509	6.1025	22.0245	30.0543
50 mph	0.0044	0.0001	0.0017	0.0027	1.3310	0.8536	4.6157	16.5701	23.3792
55 mph	0.0030	0.0001	0.0011	0.0017	0.8575	0.5528	1.5361	5.6920	8.6441
60 mph	0.0046	0.0001	0.0016	0.0021	1.0462	0.6734	72.7349	264.6984	339.1614
65 mph	0.0007	0.0000	0.0002	0.0004	0.2170	0.1385	-	-	0.3569
70 mph	0.0100	0.0002	0.0035	0.0099	9.7668	5.7372	-	-	15.5277
total	0.1025	0.0019	0.0477	0.0538	27.0644	17.1492	227.2661	802.7662	1,074.4518

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.7683	0.7683
15 mph								0.1890	0.1890
20 mph								0.2927	0.2927
25 mph								1.3601	1.3601
30 mph								1.1009	1.1009
35 mph								0.4519	0.4519
40 mph								0.4662	0.4662
45 mph								0.3515	0.3515
50 mph								0.5455	0.5455
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.5260	5.5260

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.5277	0.5277
25 mph								0.7801	0.7801
30 mph								1.1908	1.1908
35 mph								1.0861	1.0861
40 mph								0.9245	0.9245
45 mph								0.6337	0.6337
50 mph								0.3026	0.3026
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.5847	3.5847

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.0297	1.0297
15 mph								0.3073	0.3073
25 mph								0.8798	0.8798
35 mph								-	-
total	-	-	-	-	-	-	-	2.2168	2.2168

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.0297	1.0297
10 mph								0.7683	0.7683
15 mph								0.4963	0.4963
20 mph								0.8204	0.8204
25 mph								3.0200	3.0200
30 mph								2.2917	2.2917
35 mph								1.5380	1.5380
40 mph								1.3907	1.3907
45 mph								0.9852	0.9852
50 mph								0.8481	0.8481
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	13.1884	13.1884

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.9761	2.6640	8.1419	15.1260	29.9081
10 mph	0.4197	0.0676	0.2785	0.1616	0.6865	0.4152	12.8928	49.2141	64.1361
15 mph	0.4660	0.0741	0.3065	0.1375	0.5806	0.3520	7.9361	29.9722	39.8251
20 mph	0.2682	0.0423	0.1752	0.1031	0.4526	0.2722	13.4714	45.4646	60.2497
25 mph	1.1489	0.1796	0.7441	0.4157	2.4077	1.4493	45.8449	163.9734	216.1637
30 mph	1.2069	0.1878	0.7764	0.4492	2.3046	1.3857	29.2733	104.7628	140.3466
35 mph	1.9582	0.3046	1.2523	0.6172	2.5525	1.5251	15.7866	56.6000	80.5965
40 mph	0.4636	0.0723	0.2962	0.2318	1.6098	0.9597	11.1852	40.3702	55.1888
45 mph	0.3682	0.0578	0.2358	0.1833	1.3489	0.8048	6.3334	23.0467	32.3789
50 mph	0.3821	0.0607	0.2451	0.1955	1.5262	0.9111	4.8215	17.4513	25.5934
55 mph	0.2692	0.0435	0.1744	0.1302	0.9850	0.5901	1.6044	5.7029	9.4997
60 mph	0.4268	0.0703	0.2792	0.1741	1.2044	0.7198	75.4684	265.1358	343.4788
65 mph	0.0682	0.0115	0.0448	0.0324	0.2478	0.1475	-	-	0.5522
70 mph	0.9539	0.1726	0.6122	0.7351	10.5885	5.9550	-	-	19.0172
STREX	0.8939	0.0845	0.4307	0.8958	0.5692	0.1732	9.3905	19.0900	31.5279
total	9.2939	1.4289	5.8513	4.4625	31.0405	18.3249	242.1504	835.9101	**1,148.4626**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1312	0.1628	0.1683	0.1954	0.3795	0.3923	0.3284	0.1442
Diesel	-	-	-	-	-	-	2.1557	2.4541
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.8939	0.0845	0.4307	0.8958	0.5692	0.1732	0.2385	0.0008
Diesel	-	-	-	-	-	-	9.1521	19.0891
Electric/NG	-	-	-	-	-	-	-	-
Total	0.8939	0.0845	0.4307	0.8958	0.5692	0.1732	9.3905	19.0900

World Logistics Center
Mobile Emissions - 2031 (Net) - Mitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					154.7850	154.9623	387.4028	274.7643
10 mph	0.7792	1.1616	1.0301	1.0972	0.5853	0.4142	0.8079	49.8983
15 mph	0.7104	1.0467	0.9360	0.9947	0.4900	0.3650	0.7346	45.2378
20 mph	0.6503	0.9515	0.8548	0.9078	0.4294	0.3275	0.6739	41.2716
25 mph	0.5960	0.8664	0.7811	0.8296	0.3781	0.2942	0.6104	37.7462
30 mph	0.5479	0.7930	0.7161	0.7614	0.3401	0.2667	0.5529	34.6387
35 mph	0.5053	0.7301	0.6588	0.7018	0.3131	0.2447	0.5051	31.9339
40 mph	0.4685	0.6772	0.5885	0.6510	0.2944	0.2281	0.4699	29.6343
45 mph	0.4370	0.6321	0.5696	0.6074	0.2813	0.2142	0.4348	27.5770
50 mph	0.4075	0.5925	0.5311	0.5675	0.2739	0.2024	0.4068	25.7523
55 mph	0.3791	0.5547	0.4949	0.5298	0.2750	0.1950	0.3854	24.1508
60 mph	0.3474	0.5127	0.4547	0.4879	0.2815	0.1901	0.3647	22.6894
65 mph	0.3215	0.4802	0.4217	0.4541	0.3048	0.1918		
70 mph	0.3130	0.4927	0.4077	0.4463	0.3073	0.1682		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	21.3906	34.9586
10 mph	2.1243	2.3031	1.9220	2.3301	2.3678	2.3983	0.4879	1.3643
15 mph	1.0411	1.3424	0.9394	1.1384	1.1913	1.2048	0.2641	0.7302
20 mph	0.4109	0.7707	0.3666	0.4456	0.5146	0.5183	0.1765	0.4502
25 mph	0.2495	0.5720	0.2206	0.2695	0.3308	0.3323	0.1349	0.3579
30 mph	0.1897	0.4763	0.1669	0.2048	0.2616	0.2620	0.1035	0.2746
35 mph	0.1520	0.4182	0.1329	0.1641	0.2209	0.2199	0.0780	0.2071
40 mph	0.1264	0.3898	0.1098	0.1360	0.1945	0.1927	0.0585	0.1557
45 mph	0.1082	0.3832	0.0933	0.1158	0.1779	0.1755	0.0448	0.1197
50 mph	0.0952	0.3956	0.0809	0.1012	0.1711	0.1679	0.0372	0.0988
55 mph	0.0854	0.4341	0.0716	0.0899	0.1684	0.1648	0.0354	0.0954
60 mph	0.0827	0.5039	0.0680	0.0859	0.1791	0.1744	0.0396	0.1057
65 mph	0.0850	0.6109	0.0686	0.0879	0.2167	0.2091		
70 mph	0.0883	0.6667	0.0697	0.0935	0.3804	0.3427		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								33.7263
10 mph								35.5083
15 mph								25.0027
20 mph								18.0844
25 mph								13.2552
30 mph								9.7713
35 mph								7.2039
40 mph								5.3120
45 mph								3.9180
50 mph								2.8910
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	8.6781	0.9859	4.3101	2.0672	0.4903	0.1021	0.3411	0.1699	17.1448
15 mph	3.1646	0.3553	1.5664	0.7496	0.1642	0.0360	0.1034	0.0514	6.1909
20 mph	5.7936	0.6460	2.8612	1.3683	0.2878	0.0646	0.1897	0.0937	11.3048
25 mph	26.5490	2.9411	13.0725	6.2523	1.2670	0.2902	0.9450	0.4713	51.7884
30 mph	26.8455	2.9611	13.1828	6.3117	1.2535	0.2894	0.7782	0.3932	52.0154
35 mph	20.2584	2.2306	9.9225	4.7602	0.9441	0.2172	0.3199	0.1631	38.8161
40 mph	6.2611	0.6897	2.9549	1.4717	0.2959	0.0675	0.3306	0.1682	12.2396
45 mph	4.8670	0.5365	2.3832	1.1444	0.2357	0.0528	0.2448	0.1252	9.5896
50 mph	4.5378	0.5029	2.2220	1.0692	0.2295	0.0499	0.3721	0.1900	9.1734
55 mph	3.3775	0.3766	1.6566	0.7986	0.1843	0.0385	0.0814	0.0411	6.5545
60 mph	6.1903	0.6961	3.0439	1.4707	0.3773	0.0750	0.0770	0.0386	11.9688
65 mph	0.7162	0.0815	0.3529	0.1711	0.0511	0.0095	-	-	1.3822
70 mph	-	-	-	-	-	-	-	-	-
total	117.2390	13.0035	57.5289	27.6349	5.7807	1.2926	3.7831	1.9059	228.1685

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.7177	0.0815	0.3565	0.3571	0.1051	0.0219	-	-	1.6398
15 mph	0.6543	0.0735	0.3239	0.3237	0.0880	0.0193	-	-	1.4827
20 mph	0.5990	0.0668	0.2958	0.2954	0.0771	0.0173	0.3419	0.1689	1.8623
25 mph	1.0979	0.1216	0.5406	0.5400	0.1358	0.0311	0.5421	0.2704	3.2794
30 mph	2.0184	0.2226	0.9912	0.9911	0.2444	0.0564	0.8417	0.4253	5.7912
35 mph	4.1887	0.4612	2.0516	2.0556	0.5061	0.1165	0.7689	0.3921	10.5407
40 mph	4.3153	0.4753	2.0365	2.1184	0.5288	0.1206	0.6556	0.3336	10.5840
45 mph	3.2202	0.3550	1.5768	1.5814	0.4043	0.0906	0.4413	0.2257	7.8953
50 mph	3.3777	0.3743	1.6540	1.6621	0.4429	0.0963	0.2064	0.1054	7.9191
55 mph	1.7458	0.1947	0.8563	0.8621	0.2470	0.0516	0.0978	0.0494	4.1047
60 mph	0.9599	0.1080	0.4720	0.4763	0.1517	0.0301	6.4763	3.2503	11.9247
65 mph	0.2962	0.0337	0.1459	0.1478	0.0548	0.0101	-	-	0.6885
70 mph	13.2611	1.5909	6.4891	6.6815	2.5394	0.4090	-	-	30.9711
total	36.4522	4.1591	17.7902	18.0924	5.5255	1.0708	10.3720	5.2212	98.6834

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	15.9600	4.7030	18.1867	0.1438	38.9934
15 mph	7.0374	0.7902	3.4834	1.0872	0.2537	0.0556	0.1681	0.0835	12.9591
25 mph	-	-	-	-	0.3718	0.0852	0.6113	0.3049	1.3731
35 mph	21.5374	2.3715	10.5490	3.0329	-	-	-	-	37.4907
total	28.5748	3.1616	14.0324	4.1201	16.5854	4.8438	18.9661	0.5322	90.8163

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	15.9600	4.7030	18.1867	0.1438	38.9934
10 mph	9.3958	1.0674	4.6666	2.4242	0.5955	0.1240	0.3411	0.1699	18.7846
15 mph	10.8563	1.2189	5.3737	2.1605	0.5059	0.1109	0.2715	0.1349	20.6326
20 mph	6.3926	0.7128	3.1570	1.6637	0.3649	0.0819	0.5316	0.2626	13.1671
25 mph	27.6469	3.0627	13.6130	6.7923	1.7746	0.4065	2.0983	1.0466	56.4410
30 mph	28.8639	3.1838	14.1739	7.3028	1.4979	0.3458	1.6199	0.8185	57.8065
35 mph	45.9845	5.0633	22.5231	9.8486	1.4502	0.3337	1.0887	0.5552	86.8475
40 mph	10.5764	1.1650	4.9914	3.5901	0.8247	0.1881	0.9863	0.5018	22.8236
45 mph	8.0872	0.8915	3.9601	2.7258	0.6400	0.1434	0.6860	0.3510	17.4848
50 mph	7.9155	0.8772	3.8760	2.7313	0.6724	0.1462	0.5786	0.2954	17.0925
55 mph	5.1233	0.5713	2.5129	1.6607	0.4313	0.0900	0.1791	0.0905	10.6592
60 mph	7.1502	0.8041	3.5159	1.9470	0.5290	0.1051	6.5533	3.2890	23.8935
65 mph	1.0123	0.1152	0.4988	0.3189	0.1058	0.0196	-	-	2.0706
70 mph	13.2611	1.5909	6.4891	6.6815	2.5394	0.4090	-	-	30.9711
total	182.2661	20.3243	89.3515	49.8474	27.8915	7.2072	33.1211	7.6592	417.6682

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.2673	0.0003	0.0743	0.1386	1.9189	1.3090	1.2042	6.1701	11.0827
15 mph	0.0524	0.0001	0.0145	0.0271	0.3862	0.2630	0.2173	1.1008	2.0614
20 mph	0.0414	0.0001	0.0113	0.0212	0.3336	0.2263	0.2904	1.3574	2.2817
25 mph	0.1256	0.0003	0.0341	0.0641	1.0722	0.7254	1.2205	5.9355	9.1778
30 mph	0.1050	0.0003	0.0284	0.0536	0.9328	0.6291	0.8514	4.1398	6.7405
35 mph	0.0689	0.0002	0.0185	0.0352	0.6444	0.4321	0.2889	1.4051	2.8932
40 mph	0.0191	0.0001	0.0051	0.0097	0.1891	0.1262	0.2406	1.1734	1.7633
45 mph	0.0136	0.0001	0.0036	0.0069	0.1442	0.0958	0.1476	0.7219	1.1336
50 mph	0.0120	0.0001	0.0031	0.0060	0.1387	0.0917	0.1988	0.9680	1.4183
55 mph	0.0086	0.0000	0.0022	0.0043	0.1092	0.0720	0.0437	0.2157	0.4557
60 mph	0.0166	0.0001	0.0042	0.0082	0.2322	0.1523	0.0489	0.2391	0.7016
65 mph	0.0021	0.0000	0.0005	0.0010	0.0351	0.0228	-	-	0.0617
70 mph	-	-	-	-	-	-	-	-	-
total	0.7326	0.0016	0.1999	0.3760	6.1365	4.1457	4.7523	23.4269	39.7715

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0221	0.0000	0.0061	0.0239	0.4115	0.2807	-	-	0.7444
15 mph	0.0108	0.0000	0.0030	0.0117	0.2070	0.1410	-	-	0.3736
20 mph	0.0043	0.0000	0.0012	0.0046	0.0894	0.0607	0.5235	2.4470	3.1307
25 mph	0.0052	0.0000	0.0014	0.0055	0.1150	0.0778	0.7001	3.4046	4.3096
30 mph	0.0079	0.0000	0.0021	0.0084	0.1818	0.1226	0.9209	4.4778	5.7217
35 mph	0.0142	0.0000	0.0038	0.0152	0.3454	0.2316	0.6944	3.3774	4.6822
40 mph	0.0131	0.0000	0.0035	0.0140	0.3380	0.2255	0.4770	2.3270	3.3982
45 mph	0.0090	0.0000	0.0024	0.0095	0.2474	0.1643	0.2661	1.3014	2.0001
50 mph	0.0089	0.0000	0.0023	0.0094	0.2676	0.1769	0.1103	0.5369	1.1124
55 mph	0.0044	0.0000	0.0011	0.0046	0.1463	0.0965	0.0525	0.2592	0.5648
60 mph	0.0026	0.0000	0.0007	0.0026	0.0933	0.0612	4.1109	20.1161	24.3875
65 mph	0.0009	0.0000	0.0002	0.0009	0.0377	0.0245	-	-	0.0641
70 mph	0.0423	0.0003	0.0102	0.0442	3.0407	1.8450	-	-	4.9828
total	0.1458	0.0006	0.0382	0.1546	5.5211	3.5083	7.8558	38.2475	55.4719

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.6234	1.7669	5.8708	17.5791	27.8401
15 mph	0.1165	0.0002	0.0323	0.0393	0.5966	0.4064	0.3534	1.7900	3.3346
25 mph	-	-	-	-	0.3146	0.2129	0.7895	3.8395	5.1565
35 mph	0.0732	0.0002	0.0197	0.0224	-	-	-	-	0.1155
total	0.1897	0.0004	0.0520	0.0617	3.5346	2.3861	7.0137	23.2086	36.4467

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.6234	1.7669	5.8708	17.5791	27.8401
10 mph	0.2894	0.0003	0.0804	0.1626	2.3303	1.5897	1.2042	6.1701	11.8271
15 mph	0.1797	0.0003	0.0498	0.0781	1.1898	0.8104	0.5707	2.8908	5.7696
20 mph	0.0456	0.0001	0.0125	0.0258	0.4231	0.2870	0.8139	3.8044	5.4123
25 mph	0.1308	0.0003	0.0355	0.0697	1.5018	1.0161	2.7101	13.1797	18.6439
30 mph	0.1129	0.0003	0.0305	0.0620	1.1146	0.7518	1.7724	8.6176	12.4622
35 mph	0.1563	0.0005	0.0420	0.0727	0.9898	0.6637	0.9833	4.7825	7.6908
40 mph	0.0322	0.0001	0.0086	0.0237	0.5271	0.3517	0.7176	3.5004	5.1615
45 mph	0.0226	0.0001	0.0060	0.0164	0.3915	0.2601	0.4137	2.0233	3.1338
50 mph	0.0209	0.0001	0.0055	0.0154	0.4063	0.2685	0.3091	1.5049	2.5307
55 mph	0.0130	0.0001	0.0034	0.0089	0.2554	0.1684	0.0963	0.4749	1.0204
60 mph	0.0192	0.0001	0.0049	0.0108	0.3255	0.2136	4.1598	20.3552	25.0891
65 mph	0.0030	0.0000	0.0007	0.0019	0.0728	0.0473	-	-	0.1258
70 mph	0.0423	0.0003	0.0102	0.0442	3.0407	1.8450	-	-	4.9828
total	1.0681	0.0027	0.2901	0.5923	15.1922	10.0401	19.6217	84.8830	131.6901

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								10.4387	10.4387
15 mph								2.4501	2.4501
20 mph								3.5443	3.5443
25 mph								14.2881	14.2881
30 mph								9.5752	9.5752
35 mph								3.1767	3.1767
40 mph								2.6027	2.6027
45 mph								1.5358	1.5358
50 mph								1.8415	1.8415
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	49.4530	49.4530

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								6.3895	6.3895
25 mph								8.1957	8.1957
30 mph								10.3570	10.3570
35 mph								7.6357	7.6357
40 mph								5.1612	5.1612
45 mph								2.7686	2.7686
50 mph								1.0214	1.0214
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	32.5779	32.5779

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.1024	1.1024
15 mph								3.9840	3.9840
25 mph								9.2425	9.2425
35 mph								-	-
total	-	-	-	-	-	-	-	14.3290	14.3290

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.1024	1.1024
10 mph								10.4387	10.4387
15 mph								6.4341	6.4341
20 mph								9.9338	9.9338
25 mph								31.7264	31.7264
30 mph								19.9322	19.9322
35 mph								10.8124	10.8124
40 mph								7.7639	7.7639
45 mph								4.3043	4.3043
50 mph								2.8629	2.8629
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	105.3112	105.3112

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	18.5833	6.4699	24.0574	18.8253	67.9359
10 mph	9.6852	1.0678	4.7470	2.5868	2.9258	1.7137	1.5453	16.7788	41.0504
15 mph	11.0361	1.2192	5.4235	2.2385	1.6957	0.9214	0.8422	9.4598	32.8364
20 mph	6.4382	0.7129	3.1695	1.6895	0.7880	0.3689	1.3455	14.0009	28.5132
25 mph	27.7776	3.0631	13.6486	6.8620	3.2764	1.4225	4.8084	45.9526	106.8113
30 mph	28.9769	3.1841	14.2044	7.3649	2.6125	1.0975	3.3922	29.3683	90.2009
35 mph	46.1408	5.0638	22.5651	9.9214	2.4400	0.9974	2.0721	16.1501	105.3507
40 mph	10.6086	1.1651	5.0000	3.6138	1.3518	0.5398	1.7038	11.7661	35.7490
45 mph	8.1098	0.8915	3.9661	2.7422	1.0315	0.4035	1.0997	6.6786	24.9229
50 mph	7.9364	0.8773	3.8814	2.7467	1.0786	0.4147	0.8877	4.6633	22.4861
55 mph	5.1364	0.5714	2.5163	1.6696	0.6867	0.2585	0.2754	0.5655	11.6797
60 mph	7.1694	0.8042	3.5207	1.9578	0.8545	0.3187	10.7131	23.6442	48.9826
65 mph	1.0153	0.1152	0.4996	0.3208	0.1786	0.0669	-	-	2.1964
70 mph	13.3034	1.5912	6.4994	6.7257	5.5802	2.2540	-	-	35.9539
STREX	11.4061	0.9166	5.4946	10.5750	2.2322	0.6387	2.4004	0.0293	33.6929
total	194.7403	21.2435	95.1362	61.0147	45.3160	17.8860	55.1432	197.8826	**688.3624**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.6740	1.7652	2.1464	2.3065	1.4882	1.4467	3.3054	4.9952
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	11.4061	0.9166	5.4946	10.5750	2.2322	0.6387	2.4004	0.0293
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	11.4061	0.9166	5.4946	10.5750	2.2322	0.6387	2.4004	0.0293

World Logistics Center
Mobile Emissions - 2031 (Net) - Mitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0516	0.0516	0.1303	0.2011
10 mph	0.0042	0.0049	0.0050	0.0061	0.0135	0.0156	0.0278	0.0327
15 mph	0.0034	0.0040	0.0041	0.0050	0.0111	0.0127	0.0228	0.0268
20 mph	0.0028	0.0033	0.0034	0.0042	0.0092	0.0106	0.0189	0.0224
25 mph	0.0024	0.0029	0.0029	0.0036	0.0079	0.0090	0.0162	0.0192
30 mph	0.0022	0.0025	0.0026	0.0032	0.0070	0.0080	0.0144	0.0170
35 mph	0.0020	0.0023	0.0024	0.0029	0.0065	0.0074	0.0133	0.0157
40 mph	0.0019	0.0023	0.0023	0.0029	0.0063	0.0072	0.0129	0.0152
45 mph	0.0019	0.0023	0.0023	0.0029	0.0063	0.0072	0.0130	0.0152
50 mph	0.0020	0.0024	0.0024	0.0030	0.0065	0.0074	0.0133	0.0156
55 mph	0.0021	0.0024	0.0025	0.0031	0.0067	0.0078	0.0139	0.0163
60 mph	0.0021	0.0025	0.0026	0.0032	0.0070	0.0081	0.0144	0.0169
65 mph	0.0022	0.0026	0.0026	0.0033	0.0072	0.0083		
70 mph	0.0022	0.0026	0.0027	0.0033	0.0073	0.0084		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0322	0.0521	0.0539	0.0483
10 mph	0.0034	0.0071	0.0045	0.0056	0.0084	0.0093	0.0162	0.0253
15 mph	0.0028	0.0059	0.0038	0.0048	0.0054	0.0062	0.0128	0.0189
20 mph	0.0023	0.0049	0.0031	0.0040	0.0046	0.0053	0.0109	0.0159
25 mph	0.0019	0.0041	0.0026	0.0034	0.0041	0.0047	0.0095	0.0134
30 mph	0.0017	0.0035	0.0022	0.0029	0.0037	0.0043	0.0084	0.0117
35 mph	0.0015	0.0031	0.0020	0.0026	0.0037	0.0043	0.0075	0.0107
40 mph	0.0014	0.0029	0.0019	0.0025	0.0036	0.0041	0.0068	0.0097
45 mph	0.0014	0.0028	0.0018	0.0024	0.0036	0.0040	0.0065	0.0092
50 mph	0.0014	0.0028	0.0018	0.0024	0.0037	0.0041	0.0064	0.0090
55 mph	0.0014	0.0029	0.0019	0.0025	0.0039	0.0042	0.0066	0.0093
60 mph	0.0015	0.0032	0.0021	0.0027	0.0039	0.0043	0.0070	0.0099
65 mph	0.0017	0.0036	0.0023	0.0031	0.0040	0.0043		
70 mph	0.0019	0.0037	0.0025	0.0033	0.0041	0.0044		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0466	0.0042	0.0209	0.0116	0.0113	0.0038	0.0117	0.0001	0.1102
15 mph	0.0152	0.0014	0.0068	0.0038	0.0037	0.0013	0.0032	0.0000	0.0354
20 mph	0.0253	0.0023	0.0113	0.0063	0.0062	0.0021	0.0053	0.0001	0.0589
25 mph	0.1083	0.0097	0.0485	0.0269	0.0263	0.0089	0.0250	0.0002	0.2539
30 mph	0.1057	0.0095	0.0474	0.0263	0.0257	0.0087	0.0202	0.0002	0.2437
35 mph	0.0802	0.0072	0.0360	0.0200	0.0195	0.0066	0.0084	0.0001	0.1780
40 mph	0.0259	0.0023	0.0116	0.0065	0.0063	0.0021	0.0091	0.0001	0.0639
45 mph	0.0217	0.0019	0.0097	0.0054	0.0053	0.0018	0.0073	0.0001	0.0532
50 mph	0.0224	0.0020	0.0100	0.0056	0.0054	0.0018	0.0122	0.0001	0.0595
55 mph	0.0186	0.0017	0.0083	0.0046	0.0045	0.0015	0.0029	0.0000	0.0422
60 mph	0.0383	0.0034	0.0172	0.0096	0.0094	0.0032	0.0030	0.0000	0.0841
65 mph	0.0049	0.0004	0.0022	0.0012	0.0012	0.0004	-	-	0.0104
70 mph	-	-	-	-	-	-	-	-	-
total	0.5132	0.0459	0.2300	0.1276	0.1248	0.0423	0.1085	0.0010	1.1933

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0039	0.0003	0.0017	0.0020	0.0024	0.0008	-	-	0.0112
15 mph	0.0031	0.0003	0.0014	0.0016	0.0020	0.0007	-	-	0.0091
20 mph	0.0026	0.0002	0.0012	0.0014	0.0017	0.0006	0.0096	0.0001	0.0173
25 mph	0.0045	0.0004	0.0020	0.0023	0.0028	0.0010	0.0144	0.0001	0.0275
30 mph	0.0080	0.0007	0.0036	0.0041	0.0050	0.0017	0.0219	0.0002	0.0451
35 mph	0.0166	0.0015	0.0074	0.0086	0.0105	0.0035	0.0203	0.0002	0.0686
40 mph	0.0179	0.0016	0.0080	0.0093	0.0112	0.0038	0.0180	0.0002	0.0700
45 mph	0.0144	0.0013	0.0064	0.0075	0.0090	0.0031	0.0131	0.0001	0.0549
50 mph	0.0166	0.0015	0.0075	0.0086	0.0105	0.0035	0.0068	0.0001	0.0551
55 mph	0.0096	0.0009	0.0043	0.0050	0.0060	0.0020	0.0035	0.0000	0.0314
60 mph	0.0059	0.0005	0.0027	0.0031	0.0038	0.0013	0.2559	0.0024	0.2756
65 mph	0.0020	0.0002	0.0009	0.0011	0.0013	0.0004	-	-	0.0059
70 mph	0.0945	0.0085	0.0424	0.0499	0.0605	0.0204	-	-	0.2761
total	0.1996	0.0179	0.0894	0.1045	0.1267	0.0428	0.3635	0.0034	0.9478

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0053	0.0016	0.0061	0.0001	0.0131
15 mph	0.0339	0.0030	0.0152	0.0055	0.0057	0.0019	0.0052	0.0000	0.0705
25 mph	-	-	-	-	0.0077	0.0026	0.0162	0.0002	0.0267
35 mph	0.0853	0.0076	0.0382	0.0127	-	-	-	-	0.1439
total	0.1192	0.0107	0.0534	0.0182	0.0188	0.0061	0.0275	0.0003	0.2542

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0053	0.0016	0.0061	0.0001	0.0131
10 mph	0.0504	0.0045	0.0226	0.0136	0.0138	0.0047	0.0117	0.0001	0.1214
15 mph	0.0523	0.0047	0.0234	0.0109	0.0114	0.0039	0.0084	0.0001	0.1150
20 mph	0.0280	0.0025	0.0125	0.0076	0.0078	0.0026	0.0149	0.0001	0.0761
25 mph	0.1128	0.0101	0.0505	0.0292	0.0369	0.0125	0.0556	0.0005	0.3081
30 mph	0.1137	0.0102	0.0509	0.0304	0.0307	0.0104	0.0421	0.0004	0.2888
35 mph	0.1821	0.0163	0.0816	0.0413	0.0300	0.0102	0.0287	0.0003	0.3905
40 mph	0.0438	0.0039	0.0196	0.0157	0.0175	0.0059	0.0271	0.0003	0.1339
45 mph	0.0361	0.0032	0.0162	0.0129	0.0143	0.0048	0.0204	0.0002	0.1081
50 mph	0.0390	0.0035	0.0175	0.0142	0.0159	0.0054	0.0190	0.0002	0.1146
55 mph	0.0282	0.0025	0.0126	0.0096	0.0106	0.0036	0.0064	0.0001	0.0736
60 mph	0.0442	0.0040	0.0198	0.0127	0.0132	0.0045	0.2590	0.0024	0.3597
65 mph	0.0069	0.0006	0.0031	0.0023	0.0025	0.0008	-	-	0.0163
70 mph	0.0945	0.0085	0.0424	0.0499	0.0605	0.0204	-	-	0.2761
total	0.8319	0.0744	0.3728	0.2503	0.2702	0.0913	0.4995	0.0048	2.3952

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0004	0.0000	0.0002	0.0003	0.0068	0.0051	0.0401	0.1143	0.1672
15 mph	0.0001	0.0000	0.0001	0.0001	0.0018	0.0014	0.0105	0.0284	0.0424
20 mph	0.0002	0.0000	0.0001	0.0002	0.0030	0.0023	0.0180	0.0480	0.0717
25 mph	0.0010	0.0000	0.0004	0.0008	0.0133	0.0103	0.0862	0.2221	0.3341
30 mph	0.0009	0.0000	0.0004	0.0008	0.0133	0.0102	0.0688	0.1771	0.2715
35 mph	0.0007	0.0000	0.0003	0.0006	0.0109	0.0084	0.0277	0.0723	0.1208
40 mph	0.0002	0.0000	0.0001	0.0002	0.0035	0.0027	0.0282	0.0735	0.1084
45 mph	0.0002	0.0000	0.0001	0.0001	0.0029	0.0022	0.0214	0.0557	0.0824
50 mph	0.0002	0.0000	0.0001	0.0001	0.0030	0.0022	0.0342	0.0881	0.1280
55 mph	0.0001	0.0000	0.0001	0.0001	0.0025	0.0019	0.0081	0.0210	0.0339
60 mph	0.0003	0.0000	0.0001	0.0003	0.0051	0.0037	0.0087	0.0223	0.0405
65 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0005	-	-	0.0012
70 mph	-	-	-	-	-	-	-	-	-
total	0.0044	0.0000	0.0018	0.0036	0.0669	0.0508	0.3518	0.9228	1.4021

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0001	0.0015	0.0011	-	-	0.0027
15 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0007	-	-	0.0018
20 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	0.0324	0.0865	0.1203
25 mph	0.0000	0.0000	0.0000	0.0001	0.0014	0.0011	0.0494	0.1274	0.1795
30 mph	0.0001	0.0000	0.0000	0.0001	0.0026	0.0020	0.0744	0.1916	0.2708
35 mph	0.0001	0.0000	0.0001	0.0002	0.0059	0.0045	0.0665	0.1739	0.2512
40 mph	0.0001	0.0000	0.0001	0.0003	0.0063	0.0048	0.0559	0.1457	0.2132
45 mph	0.0001	0.0000	0.0000	0.0002	0.0049	0.0037	0.0385	0.1003	0.1478
50 mph	0.0001	0.0000	0.0001	0.0002	0.0058	0.0043	0.0190	0.0489	0.0784
55 mph	0.0001	0.0000	0.0000	0.0001	0.0034	0.0025	0.0098	0.0253	0.0412
60 mph	0.0000	0.0000	0.0000	0.0001	0.0021	0.0015	0.7308	1.8780	2.6125
65 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	-	-	0.0013
70 mph	0.0009	0.0000	0.0004	0.0016	0.0325	0.0235	-	-	0.0589
total	0.0018	0.0000	0.0007	0.0031	0.0689	0.0509	1.0766	2.7775	3.9794

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0032	0.0035	0.0148	0.0243	0.0458
15 mph	0.0003	0.0000	0.0001	0.0002	0.0027	0.0021	0.0171	0.0462	0.0687
25 mph	-	-	-	-	0.0039	0.0030	0.0558	0.1437	0.2063
35 mph	0.0007	0.0000	0.0003	0.0004	-	-	-	-	0.0014
total	0.0010	0.0000	0.0004	0.0005	0.0099	0.0086	0.0876	0.2142	0.3222

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0032	0.0035	0.0148	0.0243	0.0458
10 mph	0.0005	0.0000	0.0002	0.0004	0.0082	0.0062	0.0401	0.1143	0.1698
15 mph	0.0005	0.0000	0.0002	0.0003	0.0054	0.0042	0.0276	0.0747	0.1129
20 mph	0.0003	0.0000	0.0001	0.0002	0.0038	0.0029	0.0503	0.1344	0.1921
25 mph	0.0010	0.0000	0.0004	0.0009	0.0187	0.0144	0.1914	0.4931	0.7199
30 mph	0.0010	0.0000	0.0004	0.0009	0.0159	0.0122	0.1432	0.3687	0.5423
35 mph	0.0015	0.0000	0.0006	0.0012	0.0168	0.0129	0.0942	0.2463	0.3734
40 mph	0.0004	0.0000	0.0001	0.0004	0.0099	0.0075	0.0840	0.2192	0.3215
45 mph	0.0003	0.0000	0.0001	0.0003	0.0078	0.0059	0.0599	0.1560	0.2303
50 mph	0.0003	0.0000	0.0001	0.0004	0.0089	0.0066	0.0532	0.1369	0.2064
55 mph	0.0002	0.0000	0.0001	0.0002	0.0059	0.0043	0.0179	0.0463	0.0751
60 mph	0.0004	0.0000	0.0001	0.0003	0.0072	0.0052	0.7394	1.9003	2.6530
65 mph	0.0001	0.0000	0.0000	0.0001	0.0013	0.0010	-	-	0.0025
70 mph	0.0009	0.0000	0.0004	0.0016	0.0325	0.0235	-	-	0.0589
total	0.0072	0.0000	0.0030	0.0072	0.1456	0.1103	1.5161	3.9144	5.7038

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	
45 mph									-	
50 mph									-	
55 mph									-	
60 mph									-	
65 mph									-	
70 mph									-	
total	-	-	-	-	-	-	-	-	-	

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	
45 mph									-	
50 mph									-	
55 mph									-	
60 mph									-	
65 mph									-	
70 mph									-	
total	-	-	-	-	-	-	-	-	-	

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
15 mph									-	-
25 mph									-	-
35 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0085	0.0051	0.0209	0.0244	0.0589
10 mph	0.0509	0.0045	0.0228	0.0140	0.0220	0.0109	0.0518	0.1144	0.2912
15 mph	0.0527	0.0047	0.0236	0.0112	0.0168	0.0080	0.0360	0.0747	0.2279
20 mph	0.0282	0.0025	0.0126	0.0079	0.0116	0.0056	0.0652	0.1346	0.2682
25 mph	0.1138	0.0101	0.0509	0.0301	0.0555	0.0269	0.2470	0.4936	1.0280
30 mph	0.1147	0.0102	0.0514	0.0313	0.0466	0.0226	0.1853	0.3691	0.8312
35 mph	0.1837	0.0163	0.0823	0.0425	0.0467	0.0230	0.1229	0.2465	0.7639
40 mph	0.0441	0.0039	0.0198	0.0162	0.0274	0.0135	0.1111	0.2194	0.4554
45 mph	0.0364	0.0032	0.0163	0.0132	0.0221	0.0107	0.0803	0.1562	0.3384
50 mph	0.0393	0.0035	0.0176	0.0146	0.0247	0.0119	0.0722	0.1371	0.3209
55 mph	0.0284	0.0025	0.0127	0.0099	0.0165	0.0079	0.0243	0.0464	0.1487
60 mph	0.0446	0.0040	0.0200	0.0130	0.0203	0.0097	0.9984	1.9028	3.0127
65 mph	0.0070	0.0006	0.0031	0.0024	0.0038	0.0018	-	-	0.0188
70 mph	0.0954	0.0085	0.0427	0.0515	0.0930	0.0439	-	-	0.3349
STREX	0.0030	0.0003	0.0014	0.0031	0.0003	0.0001	0.0002	0.0000	0.0083
total	0.8421	0.0747	0.3772	0.2606	0.4161	0.2016	2.0158	3.9192	**8.1074**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0004	0.0005	0.0005	0.0007	0.0002	0.0002	0.0003	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0030	0.0003	0.0014	0.0031	0.0003	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0030	0.0003	0.0014	0.0031	0.0003	0.0001	0.0002	0.0000

World Logistics Center
Mobile Emissions - 2031 (Net) - Mitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0385	0.0366	0.0362	0.0384
10 mph	0.0041	0.0051	0.0043	0.0044	0.0049	0.0046	0.0046	0.0049
15 mph	0.0027	0.0034	0.0029	0.0029	0.0032	0.0031	0.0030	0.0032
20 mph	0.0019	0.0024	0.0020	0.0021	0.0023	0.0022	0.0021	0.0023
25 mph	0.0014	0.0018	0.0015	0.0015	0.0017	0.0016	0.0016	0.0017
30 mph	0.0011	0.0014	0.0012	0.0012	0.0013	0.0012	0.0012	0.0013
35 mph	0.0009	0.0011	0.0009	0.0010	0.0011	0.0010	0.0010	0.0011
40 mph	0.0008	0.0010	0.0008	0.0008	0.0009	0.0009	0.0009	0.0009
45 mph	0.0007	0.0009	0.0008	0.0008	0.0009	0.0008	0.0008	0.0009
50 mph	0.0007	0.0009	0.0007	0.0007	0.0008	0.0008	0.0008	0.0008
55 mph	0.0007	0.0009	0.0007	0.0008	0.0008	0.0008	0.0008	0.0009
60 mph	0.0007	0.0009	0.0008	0.0008	0.0009	0.0009	0.0008	0.0009
65 mph	0.0008	0.0011	0.0009	0.0008	0.0010	0.0010		
70 mph	0.0009	0.0012	0.0010	0.0010	0.0011	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7943	0.8012	0.0073	0.0101
10 mph	0.0062	0.1355	0.0090	0.0050	0.0212	0.0308	0.0042	0.0108
15 mph	0.0051	0.0991	0.0078	0.0042	0.0166	0.0251	0.0033	0.0084
20 mph	0.0041	0.0761	0.0066	0.0035	0.0138	0.0211	0.0028	0.0061
25 mph	0.0034	0.0610	0.0056	0.0029	0.0116	0.0178	0.0027	0.0063
30 mph	0.0029	0.0511	0.0050	0.0026	0.0102	0.0156	0.0030	0.0068
35 mph	0.0025	0.0448	0.0045	0.0023	0.0093	0.0142	0.0036	0.0083
40 mph	0.0023	0.0410	0.0041	0.0021	0.0086	0.0130	0.0046	0.0106
45 mph	0.0022	0.0391	0.0038	0.0020	0.0081	0.0122	0.0059	0.0139
50 mph	0.0021	0.0390	0.0036	0.0019	0.0078	0.0116	0.0077	0.0178
55 mph	0.0020	0.0408	0.0034	0.0018	0.0075	0.0111	0.0098	0.0234
60 mph	0.0021	0.0443	0.0033	0.0018	0.0076	0.0111	0.0123	0.0289
65 mph	0.0022	0.0506	0.0034	0.0019	0.0083	0.0117		
70 mph	0.0022	0.0584	0.0034	0.0021	0.0122	0.0146		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0320
10 mph								0.0062
15 mph								0.0052
20 mph								0.0045
25 mph								0.0040
30 mph								0.0037
35 mph								0.0035
40 mph								0.0034
45 mph								0.0033
50 mph								0.0033
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0452	0.0043	0.0180	0.0083	0.0041	0.0011	0.0019	0.0000	0.0830
15 mph	0.0120	0.0011	0.0048	0.0022	0.0011	0.0003	0.0004	0.0000	0.0220
20 mph	0.0168	0.0016	0.0067	0.0031	0.0015	0.0004	0.0006	0.0000	0.0308
25 mph	0.0622	0.0060	0.0248	0.0114	0.0056	0.0016	0.0024	0.0000	0.1141
30 mph	0.0533	0.0051	0.0213	0.0098	0.0048	0.0013	0.0017	0.0000	0.0975
35 mph	0.0359	0.0035	0.0143	0.0066	0.0033	0.0009	0.0006	0.0000	0.0650
40 mph	0.0104	0.0010	0.0041	0.0019	0.0009	0.0003	0.0006	0.0000	0.0192
45 mph	0.0079	0.0008	0.0031	0.0015	0.0007	0.0002	0.0004	0.0000	0.0146
50 mph	0.0076	0.0007	0.0030	0.0014	0.0007	0.0002	0.0007	0.0000	0.0144
55 mph	0.0062	0.0006	0.0025	0.0011	0.0006	0.0002	0.0002	0.0000	0.0113
60 mph	0.0133	0.0013	0.0053	0.0024	0.0012	0.0003	0.0002	0.0000	0.0241
65 mph	0.0019	0.0002	0.0007	0.0003	0.0002	0.0000	-	-	0.0033
70 mph	-	-	-	-	-	-	-	-	-
total	0.2727	0.0262	0.1088	0.0501	0.0247	0.0069	0.0099	0.0001	0.4994

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0037	0.0004	0.0015	0.0014	0.0009	0.0002	-	-	0.0081
15 mph	0.0025	0.0002	0.0010	0.0010	0.0006	0.0002	-	-	0.0054
20 mph	0.0017	0.0002	0.0007	0.0007	0.0004	0.0001	0.0011	0.0000	0.0049
25 mph	0.0026	0.0002	0.0010	0.0010	0.0006	0.0002	0.0014	0.0000	0.0070
30 mph	0.0040	0.0004	0.0016	0.0015	0.0009	0.0003	0.0019	0.0000	0.0106
35 mph	0.0074	0.0007	0.0030	0.0028	0.0017	0.0005	0.0015	0.0000	0.0177
40 mph	0.0071	0.0007	0.0028	0.0027	0.0017	0.0005	0.0012	0.0000	0.0168
45 mph	0.0052	0.0005	0.0021	0.0020	0.0012	0.0003	0.0008	0.0000	0.0122
50 mph	0.0057	0.0005	0.0023	0.0022	0.0013	0.0004	0.0004	0.0000	0.0128
55 mph	0.0032	0.0003	0.0013	0.0012	0.0008	0.0002	0.0002	0.0000	0.0072
60 mph	0.0021	0.0002	0.0008	0.0008	0.0005	0.0001	0.0151	0.0001	0.0197
65 mph	0.0008	0.0001	0.0003	0.0003	0.0002	0.0001	-	-	0.0017
70 mph	0.0394	0.0037	0.0153	0.0148	0.0092	0.0025	-	-	0.0850
total	0.0855	0.0082	0.0337	0.0324	0.0201	0.0055	0.0236	0.0002	0.2092

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0040	0.0011	0.0017	0.0000	0.0068
15 mph	0.0267	0.0026	0.0107	0.0032	0.0017	0.0005	0.0007	0.0000	0.0460
25 mph	-	-	-	-	0.0017	0.0005	0.0016	0.0000	0.0037
35 mph	0.0381	0.0037	0.0152	0.0042	-	-	-	-	0.0612
total	0.0648	0.0062	0.0259	0.0074	0.0073	0.0020	0.0040	0.0000	0.1177

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0040	0.0011	0.0017	0.0000	0.0068
10 mph	0.0490	0.0047	0.0195	0.0097	0.0050	0.0014	0.0019	0.0000	0.0911
15 mph	0.0412	0.0039	0.0165	0.0064	0.0033	0.0009	0.0011	0.0000	0.0734
20 mph	0.0186	0.0018	0.0074	0.0038	0.0019	0.0005	0.0017	0.0000	0.0357
25 mph	0.0647	0.0062	0.0259	0.0124	0.0079	0.0022	0.0054	0.0000	0.1249
30 mph	0.0573	0.0055	0.0229	0.0113	0.0058	0.0016	0.0036	0.0000	0.1081
35 mph	0.0814	0.0079	0.0324	0.0136	0.0050	0.0014	0.0022	0.0000	0.1439
40 mph	0.0175	0.0017	0.0070	0.0046	0.0026	0.0007	0.0018	0.0000	0.0360
45 mph	0.0131	0.0013	0.0052	0.0035	0.0020	0.0005	0.0013	0.0000	0.0269
50 mph	0.0133	0.0013	0.0053	0.0036	0.0020	0.0006	0.0011	0.0000	0.0272
55 mph	0.0094	0.0009	0.0037	0.0024	0.0013	0.0004	0.0004	0.0000	0.0185
60 mph	0.0154	0.0015	0.0061	0.0032	0.0017	0.0005	0.0152	0.0001	0.0438
65 mph	0.0027	0.0003	0.0011	0.0006	0.0004	0.0001	-	-	0.0050
70 mph	0.0394	0.0037	0.0153	0.0148	0.0092	0.0025	-	-	0.0850
total	0.4231	0.0406	0.1684	0.0899	0.0521	0.0145	0.0374	0.0003	0.8263

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0008	0.0000	0.0003	0.0003	0.0172	0.0168	0.0104	0.0489	0.0947
15 mph	0.0003	0.0000	0.0001	0.0001	0.0054	0.0055	0.0027	0.0126	0.0267
20 mph	0.0004	0.0000	0.0002	0.0002	0.0090	0.0092	0.0047	0.0183	0.0419
25 mph	0.0017	0.0000	0.0009	0.0007	0.0375	0.0388	0.0245	0.1040	0.2081
30 mph	0.0016	0.0000	0.0008	0.0007	0.0363	0.0375	0.0243	0.1031	0.2044
35 mph	0.0012	0.0000	0.0006	0.0005	0.0271	0.0278	0.0132	0.0562	0.1266
40 mph	0.0003	0.0000	0.0002	0.0002	0.0084	0.0085	0.0188	0.0802	0.1166
45 mph	0.0003	0.0000	0.0001	0.0001	0.0066	0.0067	0.0195	0.0838	0.1171
50 mph	0.0003	0.0000	0.0001	0.0001	0.0063	0.0063	0.0411	0.1748	0.2291
55 mph	0.0002	0.0000	0.0001	0.0001	0.0049	0.0049	0.0121	0.0529	0.0751
60 mph	0.0004	0.0000	0.0002	0.0002	0.0099	0.0097	0.0152	0.0652	0.1008
65 mph	0.0001	0.0000	0.0000	0.0000	0.0013	0.0013	-	-	0.0027
70 mph	-	-	-	-	-	-	-	-	-
total	0.0075	0.0002	0.0038	0.0031	0.1698	0.1730	0.1865	0.8001	1.3439

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0001	0.0037	0.0036	-	-	0.0074
15 mph	0.0001	0.0000	0.0000	0.0000	0.0029	0.0029	-	-	0.0059
20 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0025	0.0084	0.0329	0.0463
25 mph	0.0001	0.0000	0.0000	0.0001	0.0040	0.0042	0.0140	0.0596	0.0820
30 mph	0.0001	0.0000	0.0001	0.0001	0.0071	0.0073	0.0263	0.1115	0.1525
35 mph	0.0002	0.0000	0.0001	0.0002	0.0145	0.0149	0.0318	0.1351	0.1969
40 mph	0.0002	0.0000	0.0001	0.0002	0.0150	0.0153	0.0372	0.1591	0.2272
45 mph	0.0002	0.0000	0.0001	0.0002	0.0113	0.0114	0.0352	0.1511	0.2095
50 mph	0.0002	0.0000	0.0001	0.0002	0.0122	0.0122	0.0228	0.0970	0.1447
55 mph	0.0001	0.0000	0.0001	0.0001	0.0065	0.0065	0.0145	0.0635	0.0914
60 mph	0.0001	0.0000	0.0000	0.0001	0.0040	0.0039	1.2769	5.4884	6.7733
65 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0014	-	-	0.0029
70 mph	0.0011	0.0000	0.0005	0.0010	0.0975	0.0787	-	-	0.1787
total	0.0025	0.0001	0.0012	0.0022	0.1824	0.1648	1.4671	6.2983	8.1187

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0792	0.0538	0.0020	0.0051	0.1401
15 mph	0.0006	0.0000	0.0003	0.0001	0.0083	0.0085	0.0045	0.0205	0.0427
25 mph	-	-	-	-	0.0110	0.0114	0.0158	0.0673	0.1055
35 mph	0.0012	0.0000	0.0007	0.0003	-	-	-	-	0.0022
total	0.0018	0.0000	0.0009	0.0005	0.0985	0.0737	0.0223	0.0928	0.2906

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0792	0.0538	0.0020	0.0051	0.1401
10 mph	0.0008	0.0000	0.0004	0.0003	0.0209	0.0204	0.0104	0.0489	0.1022
15 mph	0.0009	0.0000	0.0004	0.0003	0.0165	0.0169	0.0072	0.0331	0.0754
20 mph	0.0005	0.0000	0.0002	0.0002	0.0114	0.0117	0.0131	0.0512	0.0882
25 mph	0.0018	0.0000	0.0009	0.0008	0.0525	0.0543	0.0543	0.2309	0.3956
30 mph	0.0017	0.0000	0.0009	0.0008	0.0434	0.0449	0.0505	0.2146	0.3569
35 mph	0.0026	0.0001	0.0014	0.0010	0.0416	0.0427	0.0450	0.1912	0.3257
40 mph	0.0006	0.0000	0.0003	0.0004	0.0233	0.0238	0.0560	0.2394	0.3438
45 mph	0.0005	0.0000	0.0002	0.0003	0.0178	0.0181	0.0547	0.2350	0.3266
50 mph	0.0005	0.0000	0.0002	0.0003	0.0185	0.0186	0.0639	0.2718	0.3738
55 mph	0.0003	0.0000	0.0002	0.0002	0.0114	0.0114	0.0266	0.1164	0.1665
60 mph	0.0005	0.0000	0.0002	0.0002	0.0138	0.0136	1.2920	5.5537	6.8741
65 mph	0.0001	0.0000	0.0000	0.0000	0.0028	0.0027	-	-	0.0056
70 mph	0.0011	0.0000	0.0005	0.0010	0.0975	0.0787	-	-	0.1787
total	0.0117	0.0002	0.0060	0.0058	0.4507	0.4115	1.6759	7.1912	9.7531

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0018	0.0018
15 mph								0.0005	0.0005
20 mph								0.0009	0.0009
25 mph								0.0043	0.0043
30 mph								0.0036	0.0036
35 mph								0.0015	0.0015
40 mph								0.0017	0.0017
45 mph								0.0013	0.0013
50 mph								0.0021	0.0021
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0178	0.0178

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0016	0.0016
25 mph								0.0025	0.0025
30 mph								0.0039	0.0039
35 mph								0.0037	0.0037
40 mph								0.0033	0.0033
45 mph								0.0023	0.0023
50 mph								0.0012	0.0012
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0117	0.0117

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0008	0.0008
25 mph								0.0028	0.0028
35 mph								-	-
total	-	-	-	-	-	-	-	0.0047	0.0047

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0018	0.0018
15 mph								0.0013	0.0013
20 mph								0.0024	0.0024
25 mph								0.0096	0.0096
30 mph								0.0076	0.0076
35 mph								0.0053	0.0053
40 mph								0.0049	0.0049
45 mph								0.0036	0.0036
50 mph								0.0033	0.0033
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0410	0.0410

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0832	0.0549	0.0037	0.0061	0.1480
10 mph	0.0498	0.0047	0.0199	0.0101	0.0258	0.0218	0.0123	0.0507	0.1951
15 mph	0.0421	0.0040	0.0169	0.0066	0.0199	0.0178	0.0083	0.0345	0.1501
20 mph	0.0190	0.0018	0.0077	0.0040	0.0133	0.0122	0.0148	0.0536	0.1263
25 mph	0.0665	0.0063	0.0268	0.0132	0.0604	0.0565	0.0598	0.2406	0.5301
30 mph	0.0590	0.0056	0.0238	0.0121	0.0492	0.0465	0.0541	0.2223	0.4725
35 mph	0.0840	0.0079	0.0338	0.0147	0.0466	0.0441	0.0472	0.1965	0.4749
40 mph	0.0181	0.0017	0.0073	0.0050	0.0260	0.0245	0.0579	0.2443	0.3848
45 mph	0.0136	0.0013	0.0055	0.0037	0.0198	0.0186	0.0560	0.2386	0.3571
50 mph	0.0138	0.0013	0.0055	0.0039	0.0206	0.0191	0.0650	0.2751	0.4042
55 mph	0.0097	0.0009	0.0039	0.0026	0.0127	0.0118	0.0270	0.1164	0.1850
60 mph	0.0159	0.0015	0.0064	0.0035	0.0155	0.0141	1.3073	5.5538	6.9179
65 mph	0.0027	0.0003	0.0011	0.0006	0.0031	0.0028	-	-	0.0106
70 mph	0.0405	0.0038	0.0158	0.0158	0.1067	0.0812	-	-	0.2638
STREX	0.0087	0.0008	0.0034	0.0062	0.0005	0.0001	0.0003	0.0000	0.0201
total	0.4435	0.0417	0.1777	0.1019	0.5034	0.4261	1.7136	7.2325	**10.6405**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0013	0.0016	0.0013	0.0014	0.0003	0.0003	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0087	0.0008	0.0034	0.0062	0.0005	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0087	0.0008	0.0034	0.0062	0.0005	0.0001	0.0003	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	9.9672	0.7596	3.7447	1.6862	1.4147	0.4792	1.0016	0.0046
Diesel	0.1126	0.0001	0.0346	0.0532	1.4334	1.1045	5.8558	7.2509
Electric/NG	0.4807	0.0195	0.1201	0.0575	-	-	-	0.4789
Total	10.5605	0.7792	3.8993	1.7969	2.8481	1.5837	6.8574	7.7344

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	4.1217	0.3141	1.5485	1.4563	1.5168	0.5138	3.6113	0.0167
Diesel	0.0466	0.0001	0.0143	0.0460	1.5369	1.1842	21.1130	26.1432
Electric/NG	0.1988	0.0080	0.0496	0.0496	-	-	-	1.7267
Total	4.3671	0.3222	1.6125	1.5519	3.0537	1.6980	24.7244	27.8866

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.3507	0.1791	0.8831	0.2423	0.1267	0.0429	0.1751	0.0008
Diesel	0.0266	0.0000	0.0082	0.0077	0.1284	0.0989	1.0238	1.2677
Electric/NG	0.1134	0.0046	0.0283	0.0083	-	-	-	0.0837
Total	2.4906	0.1838	0.9196	0.2582	0.2551	0.1419	1.1989	1.3522

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	16.4396	1.2528	6.1763	3.3848	3.0583	1.0360	4.7881	0.0222	36.1581
Diesel	0.1857	0.0002	0.0571	0.1069	3.0987	2.3876	27.9926	34.6618	68.4906
Electric/NG	0.7929	0.0321	0.1980	0.1153	-	-	-	2.2893	3.4276
Total	17.4182	1.2851	6.4314	3.6070	6.1570	3.4236	32.7807	36.9733	**108.0763**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	96.1824
Internal	78.5586
Total	**174.7410**

World Logistics Center
Mobile Emissions - 2031 (Net) - Mitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0354	0.0336	0.0333	0.0353
10 mph	0.0037	0.0047	0.0040	0.0040	0.0045	0.0042	0.0042	0.0045
15 mph	0.0025	0.0031	0.0026	0.0027	0.0030	0.0028	0.0028	0.0030
20 mph	0.0017	0.0022	0.0018	0.0019	0.0021	0.0020	0.0020	0.0021
25 mph	0.0013	0.0016	0.0014	0.0014	0.0015	0.0015	0.0015	0.0015
30 mph	0.0010	0.0013	0.0011	0.0011	0.0012	0.0011	0.0011	0.0012
35 mph	0.0008	0.0010	0.0009	0.0009	0.0010	0.0009	0.0009	0.0010
40 mph	0.0007	0.0009	0.0008	0.0008	0.0009	0.0008	0.0008	0.0009
45 mph	0.0007	0.0008	0.0007	0.0007	0.0008	0.0007	0.0007	0.0008
50 mph	0.0006	0.0008	0.0007	0.0007	0.0008	0.0007	0.0007	0.0008
55 mph	0.0006	0.0008	0.0007	0.0007	0.0008	0.0007	0.0007	0.0008
60 mph	0.0007	0.0009	0.0007	0.0007	0.0008	0.0008	0.0008	0.0008
65 mph	0.0008	0.0010	0.0008	0.0008	0.0010	0.0009		
70 mph	0.0009	0.0011	0.0009	0.0009	0.0010	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7599	0.7666	0.0070	0.0096
10 mph	0.0059	0.1296	0.0087	0.0048	0.0203	0.0295	0.0040	0.0103
15 mph	0.0048	0.0948	0.0075	0.0040	0.0158	0.0241	0.0032	0.0080
20 mph	0.0039	0.0728	0.0063	0.0033	0.0132	0.0202	0.0027	0.0058
25 mph	0.0032	0.0583	0.0054	0.0028	0.0111	0.0170	0.0026	0.0060
30 mph	0.0028	0.0489	0.0048	0.0025	0.0097	0.0150	0.0028	0.0065
35 mph	0.0024	0.0429	0.0043	0.0022	0.0089	0.0135	0.0034	0.0079
40 mph	0.0022	0.0393	0.0039	0.0021	0.0082	0.0125	0.0044	0.0102
45 mph	0.0021	0.0374	0.0037	0.0019	0.0077	0.0117	0.0057	0.0133
50 mph	0.0020	0.0373	0.0034	0.0018	0.0075	0.0111	0.0073	0.0171
55 mph	0.0020	0.0390	0.0033	0.0018	0.0072	0.0107	0.0094	0.0224
60 mph	0.0020	0.0424	0.0032	0.0017	0.0073	0.0106	0.0118	0.0276
65 mph	0.0021	0.0484	0.0032	0.0018	0.0079	0.0112		
70 mph	0.0021	0.0558	0.0033	0.0020	0.0117	0.0140		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0306
10 mph								0.0060
15 mph								0.0050
20 mph								0.0043
25 mph								0.0038
30 mph								0.0036
35 mph								0.0034
40 mph								0.0032
45 mph								0.0032
50 mph								0.0032
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0416	0.0040	0.0166	0.0076	0.0038	0.0010	0.0018	0.0000	0.0763
15 mph	0.0110	0.0011	0.0044	0.0020	0.0010	0.0003	0.0004	0.0000	0.0202
20 mph	0.0155	0.0015	0.0062	0.0028	0.0014	0.0004	0.0006	0.0000	0.0284
25 mph	0.0572	0.0055	0.0228	0.0105	0.0052	0.0014	0.0022	0.0000	0.1049
30 mph	0.0490	0.0047	0.0196	0.0090	0.0044	0.0012	0.0016	0.0000	0.0896
35 mph	0.0330	0.0032	0.0131	0.0061	0.0030	0.0008	0.0006	0.0000	0.0598
40 mph	0.0095	0.0009	0.0038	0.0017	0.0009	0.0002	0.0006	0.0000	0.0177
45 mph	0.0073	0.0007	0.0029	0.0013	0.0007	0.0002	0.0004	0.0000	0.0135
50 mph	0.0070	0.0007	0.0028	0.0013	0.0006	0.0002	0.0006	0.0000	0.0132
55 mph	0.0057	0.0005	0.0023	0.0010	0.0005	0.0001	0.0002	0.0000	0.0104
60 mph	0.0123	0.0012	0.0049	0.0022	0.0011	0.0003	0.0002	0.0000	0.0222
65 mph	0.0017	0.0002	0.0007	0.0003	0.0002	0.0000	-	-	0.0031
70 mph	-	-	-	-	-	-	-	-	-
total	0.2508	0.0241	0.1000	0.0461	0.0228	0.0063	0.0091	0.0001	0.4593

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0034	0.0003	0.0014	0.0013	0.0008	0.0002	-	-	0.0075
15 mph	0.0023	0.0002	0.0009	0.0009	0.0005	0.0001	-	-	0.0050
20 mph	0.0016	0.0002	0.0006	0.0006	0.0004	0.0001	0.0010	0.0000	0.0045
25 mph	0.0024	0.0002	0.0009	0.0009	0.0006	0.0002	0.0013	0.0000	0.0065
30 mph	0.0037	0.0004	0.0015	0.0014	0.0009	0.0002	0.0017	0.0000	0.0098
35 mph	0.0068	0.0007	0.0027	0.0026	0.0016	0.0004	0.0014	0.0000	0.0163
40 mph	0.0066	0.0006	0.0026	0.0025	0.0015	0.0004	0.0011	0.0000	0.0154
45 mph	0.0048	0.0005	0.0019	0.0018	0.0011	0.0003	0.0007	0.0000	0.0112
50 mph	0.0052	0.0005	0.0021	0.0020	0.0012	0.0003	0.0004	0.0000	0.0117
55 mph	0.0030	0.0003	0.0012	0.0011	0.0007	0.0002	0.0002	0.0000	0.0066
60 mph	0.0019	0.0002	0.0008	0.0007	0.0005	0.0001	0.0139	0.0001	0.0181
65 mph	0.0007	0.0001	0.0003	0.0003	0.0002	0.0000	-	-	0.0016
70 mph	0.0363	0.0034	0.0141	0.0136	0.0085	0.0023	-	-	0.0782
total	0.0786	0.0075	0.0310	0.0299	0.0185	0.0051	0.0217	0.0002	0.1924

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0036	0.0010	0.0016	0.0000	0.0062
15 mph	0.0245	0.0024	0.0098	0.0029	0.0015	0.0004	0.0006	0.0000	0.0423
25 mph	-	-	-	-	0.0015	0.0004	0.0015	0.0000	0.0034
35 mph	0.0351	0.0034	0.0140	0.0039	-	-	-	-	0.0563
total	0.0596	0.0057	0.0238	0.0068	0.0067	0.0019	0.0037	0.0000	0.1082

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0036	0.0010	0.0016	0.0000	0.0062
10 mph	0.0450	0.0043	0.0179	0.0089	0.0046	0.0013	0.0018	0.0000	0.0838
15 mph	0.0379	0.0036	0.0151	0.0058	0.0031	0.0009	0.0010	0.0000	0.0674
20 mph	0.0171	0.0016	0.0068	0.0035	0.0018	0.0005	0.0016	0.0000	0.0328
25 mph	0.0595	0.0057	0.0238	0.0114	0.0073	0.0020	0.0050	0.0000	0.1148
30 mph	0.0527	0.0051	0.0210	0.0104	0.0053	0.0015	0.0033	0.0000	0.0994
35 mph	0.0748	0.0072	0.0298	0.0125	0.0046	0.0013	0.0020	0.0000	0.1323
40 mph	0.0161	0.0016	0.0064	0.0043	0.0024	0.0007	0.0017	0.0000	0.0331
45 mph	0.0121	0.0012	0.0048	0.0032	0.0018	0.0005	0.0012	0.0000	0.0247
50 mph	0.0122	0.0012	0.0049	0.0033	0.0019	0.0005	0.0010	0.0000	0.0250
55 mph	0.0087	0.0008	0.0034	0.0022	0.0012	0.0003	0.0003	0.0000	0.0170
60 mph	0.0142	0.0014	0.0056	0.0030	0.0016	0.0004	0.0140	0.0001	0.0403
65 mph	0.0025	0.0002	0.0010	0.0006	0.0003	0.0001	-	-	0.0047
70 mph	0.0363	0.0034	0.0141	0.0136	0.0085	0.0023	-	-	0.0782
total	0.3890	0.0374	0.1548	0.0827	0.0479	0.0133	0.0344	0.0003	0.7598

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0003	0.0003	0.0164	0.0161	0.0099	0.0468	0.0906
15 mph	0.0002	0.0000	0.0001	0.0001	0.0051	0.0053	0.0026	0.0121	0.0255
20 mph	0.0004	0.0000	0.0002	0.0002	0.0086	0.0088	0.0045	0.0175	0.0401
25 mph	0.0016	0.0000	0.0008	0.0007	0.0359	0.0371	0.0234	0.0995	0.1991
30 mph	0.0015	0.0000	0.0008	0.0006	0.0347	0.0359	0.0232	0.0986	0.1955
35 mph	0.0011	0.0000	0.0006	0.0005	0.0259	0.0266	0.0127	0.0538	0.1211
40 mph	0.0003	0.0000	0.0002	0.0001	0.0080	0.0082	0.0180	0.0768	0.1116
45 mph	0.0003	0.0000	0.0001	0.0001	0.0063	0.0064	0.0187	0.0802	0.1121
50 mph	0.0003	0.0000	0.0001	0.0001	0.0060	0.0061	0.0393	0.1673	0.2192
55 mph	0.0002	0.0000	0.0001	0.0001	0.0047	0.0047	0.0116	0.0506	0.0719
60 mph	0.0004	0.0000	0.0002	0.0002	0.0094	0.0093	0.0145	0.0624	0.0964
65 mph	0.0001	0.0000	0.0000	0.0000	0.0013	0.0012	-	-	0.0026
70 mph	-	-	-	-	-	-	-	-	-
total	0.0071	0.0001	0.0037	0.0030	0.1624	0.1655	0.1784	0.7655	1.2858

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0000	0.0035	0.0034	-	-	0.0071
15 mph	0.0001	0.0000	0.0000	0.0000	0.0028	0.0028	-	-	0.0057
20 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0024	0.0080	0.0315	0.0443
25 mph	0.0001	0.0000	0.0000	0.0001	0.0038	0.0040	0.0134	0.0571	0.0785
30 mph	0.0001	0.0000	0.0001	0.0001	0.0068	0.0070	0.0251	0.1067	0.1459
35 mph	0.0002	0.0000	0.0001	0.0002	0.0139	0.0143	0.0304	0.1292	0.1884
40 mph	0.0002	0.0000	0.0001	0.0002	0.0143	0.0146	0.0356	0.1523	0.2174
45 mph	0.0002	0.0000	0.0001	0.0002	0.0108	0.0109	0.0337	0.1446	0.2004
50 mph	0.0002	0.0000	0.0001	0.0002	0.0117	0.0117	0.0218	0.0928	0.1384
55 mph	0.0001	0.0000	0.0001	0.0001	0.0063	0.0062	0.0139	0.0608	0.0874
60 mph	0.0001	0.0000	0.0000	0.0001	0.0038	0.0037	1.2216	5.2510	6.4803
65 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0013	-	-	0.0027
70 mph	0.0010	0.0000	0.0005	0.0009	0.0933	0.0753	-	-	0.1710
total	0.0024	0.0001	0.0012	0.0021	0.1745	0.1576	1.4037	6.0259	7.7675

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0758	0.0515	0.0019	0.0048	0.1341
15 mph	0.0005	0.0000	0.0003	0.0001	0.0079	0.0081	0.0043	0.0196	0.0409
25 mph	-	-	-	-	0.0105	0.0109	0.0151	0.0644	0.1009
35 mph	0.0012	0.0000	0.0006	0.0003	-	-	-	-	0.0021
total	0.0017	0.0000	0.0009	0.0004	0.0943	0.0705	0.0213	0.0888	0.2780

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0758	0.0515	0.0019	0.0048	0.1341
10 mph	0.0008	0.0000	0.0004	0.0003	0.0200	0.0195	0.0099	0.0468	0.0977
15 mph	0.0008	0.0000	0.0004	0.0003	0.0158	0.0162	0.0069	0.0317	0.0721
20 mph	0.0004	0.0000	0.0002	0.0002	0.0109	0.0112	0.0125	0.0489	0.0843
25 mph	0.0017	0.0000	0.0009	0.0007	0.0503	0.0520	0.0520	0.2209	0.3785
30 mph	0.0016	0.0000	0.0009	0.0007	0.0415	0.0429	0.0484	0.2053	0.3414
35 mph	0.0025	0.0000	0.0014	0.0010	0.0398	0.0409	0.0431	0.1830	0.3116
40 mph	0.0006	0.0000	0.0003	0.0004	0.0223	0.0228	0.0536	0.2290	0.3290
45 mph	0.0004	0.0000	0.0002	0.0003	0.0170	0.0173	0.0524	0.2248	0.3125
50 mph	0.0004	0.0000	0.0002	0.0003	0.0177	0.0178	0.0611	0.2601	0.3576
55 mph	0.0003	0.0000	0.0002	0.0002	0.0109	0.0109	0.0255	0.1114	0.1593
60 mph	0.0005	0.0000	0.0002	0.0002	0.0132	0.0130	1.2361	5.3134	6.5767
65 mph	0.0001	0.0000	0.0000	0.0000	0.0027	0.0025	-	-	0.0054
70 mph	0.0010	0.0000	0.0005	0.0009	0.0933	0.0753	-	-	0.1710
total	0.0112	0.0002	0.0057	0.0056	0.4312	0.3937	1.6034	6.8802	9.3312

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0018	0.0018
15 mph								0.0005	0.0005
20 mph								0.0008	0.0008
25 mph								0.0041	0.0041
30 mph								0.0035	0.0035
35 mph								0.0015	0.0015
40 mph								0.0016	0.0016
45 mph								0.0012	0.0012
50 mph								0.0020	0.0020
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0170	0.0170

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0015	0.0015
25 mph								0.0024	0.0024
30 mph								0.0038	0.0038
35 mph								0.0036	0.0036
40 mph								0.0031	0.0031
45 mph								0.0022	0.0022
50 mph								0.0011	0.0011
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0112	0.0112

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0008	0.0008
25 mph								0.0027	0.0027
35 mph								-	-
total	-	-	-	-	-	-	-	0.0045	0.0045

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0018	0.0018
15 mph								0.0013	0.0013
20 mph								0.0023	0.0023
25 mph								0.0092	0.0092
30 mph								0.0073	0.0073
35 mph								0.0050	0.0050
40 mph								0.0047	0.0047
45 mph								0.0035	0.0035
50 mph								0.0031	0.0031
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0392	0.0392

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0795	0.0525	0.0035	0.0059	0.1413
10 mph	0.0458	0.0043	0.0183	0.0093	0.0245	0.0208	0.0117	0.0485	0.1833
15 mph	0.0387	0.0036	0.0155	0.0061	0.0189	0.0170	0.0079	0.0330	0.1408
20 mph	0.0175	0.0017	0.0070	0.0037	0.0127	0.0117	0.0141	0.0513	0.1195
25 mph	0.0612	0.0058	0.0247	0.0122	0.0575	0.0540	0.0570	0.2301	0.5025
30 mph	0.0543	0.0051	0.0219	0.0112	0.0468	0.0444	0.0517	0.2126	0.4481
35 mph	0.0773	0.0073	0.0312	0.0135	0.0444	0.0421	0.0451	0.1880	0.4490
40 mph	0.0167	0.0016	0.0067	0.0046	0.0247	0.0234	0.0553	0.2338	0.3668
45 mph	0.0125	0.0012	0.0050	0.0035	0.0188	0.0178	0.0535	0.2283	0.3406
50 mph	0.0127	0.0012	0.0051	0.0036	0.0196	0.0183	0.0621	0.2632	0.3857
55 mph	0.0090	0.0008	0.0036	0.0024	0.0121	0.0112	0.0258	0.1114	0.1763
60 mph	0.0146	0.0014	0.0059	0.0032	0.0148	0.0135	1.2502	5.3135	6.6170
65 mph	0.0025	0.0002	0.0010	0.0006	0.0030	0.0026	-	-	0.0100
70 mph	0.0373	0.0035	0.0146	0.0146	0.1017	0.0776	-	-	0.2492
STREX	0.0080	0.0007	0.0031	0.0057	0.0005	0.0001	0.0003	0.0000	0.0185
total	0.4082	0.0383	0.1636	0.0940	0.4796	0.4071	1.6381	6.9197	**10.1487**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0012	0.0014	0.0012	0.0013	0.0003	0.0003	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0080	0.0007	0.0031	0.0057	0.0005	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0080	0.0007	0.0031	0.0057	0.0005	0.0001	0.0003	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	3.9535	0.3013	1.4853	0.6688	0.5824	0.1983	0.4142	0.0018
Diesel	0.0447	0.0000	0.0137	0.0211	0.5796	0.4500	2.4215	2.6306
Electric/NG	0.1907	0.0077	0.0476	0.0228	-	-	-	0.1737
Total	4.1888	0.3091	1.5467	0.7127	1.1620	0.6483	2.8356	2.8062

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.6349	0.1246	0.6142	0.5776	0.6244	0.2127	1.4933	0.0064
Diesel	0.0185	0.0000	0.0057	0.0182	0.6214	0.4824	8.7306	9.4847
Electric/NG	0.0788	0.0032	0.0197	0.0197	-	-	-	0.6264
Total	1.7322	0.1278	0.6396	0.6156	1.2458	0.6951	10.2239	10.1176

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.9324	0.0711	0.3503	0.0961	0.0522	0.0178	0.0724	0.0003
Diesel	0.0105	0.0000	0.0032	0.0030	0.0519	0.0403	0.4234	0.4599
Electric/NG	0.0450	0.0018	0.0112	0.0033	-	-	-	0.0304
Total	0.9879	0.0729	0.3648	0.1024	0.1041	0.0581	0.4958	0.4906

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	6.5207	0.4969	2.4498	1.3426	1.2590	0.4288	1.9799	0.0085	14.4863
Diesel	0.0737	0.0001	0.0226	0.0424	1.2529	0.9727	11.5754	12.5753	26.5151
Electric/NG	0.3145	0.0127	0.0785	0.0457	-	-	-	0.8305	1.2820
Total	6.9089	0.5097	2.5510	1.4307	2.5119	1.4015	13.5554	13.4144	**42.2834**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	23.6084
Internal	19.2826
Total	**42.8910**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0612	0.0404	0.0027	0.0045	0.1088
10 mph	0.0293	0.0028	0.0117	0.0059	0.0189	0.0160	0.0090	0.0374	0.1310
15 mph	0.0248	0.0023	0.0099	0.0039	0.0146	0.0131	0.0061	0.0254	0.1001
20 mph	0.0112	0.0011	0.0045	0.0023	0.0098	0.0090	0.0108	0.0395	0.0882
25 mph	0.0392	0.0037	0.0158	0.0078	0.0443	0.0416	0.0439	0.1772	0.3734
30 mph	0.0348	0.0033	0.0140	0.0072	0.0361	0.0342	0.0398	0.1637	0.3330
35 mph	0.0495	0.0047	0.0200	0.0086	0.0342	0.0324	0.0347	0.1448	0.3289
40 mph	0.0107	0.0010	0.0043	0.0030	0.0190	0.0180	0.0426	0.1800	0.2786
45 mph	0.0080	0.0008	0.0032	0.0022	0.0145	0.0137	0.0412	0.1758	0.2594
50 mph	0.0081	0.0008	0.0033	0.0023	0.0151	0.0141	0.0478	0.2027	0.2941
55 mph	0.0057	0.0005	0.0023	0.0015	0.0094	0.0086	0.0199	0.0858	0.1337
60 mph	0.0094	0.0009	0.0037	0.0020	0.0114	0.0104	0.9626	4.0914	5.0918
65 mph	0.0016	0.0002	0.0006	0.0004	0.0023	0.0020	-	-	0.0072
70 mph	0.0239	0.0022	0.0093	0.0093	0.0783	0.0597	-	-	0.1828
total	0.2561	0.0241	0.1027	0.0565	0.3690	0.3134	1.2611	5.3281	7.7110

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2031 (Net) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	2,389	2.40	0.32	0.0005	1.12	0.0019	4.55
2	L	3,357	2.40	0.32	0.0005	1.57	0.0019	6.40
3	L	3,184	2.40	0.32	0.0005	1.49	0.0019	6.07
5	L	5,148	2.40	0.32	0.0005	2.41	0.0019	9.81
6	L	10,320	2.40	0.32	0.0005	4.83	0.0019	19.66
8	L	7,692	2.40	0.32	0.0005	3.60	0.0019	14.66
11	L	(1,550)	2.40	0.32	0.0005	(0.72)	0.0019	(2.95)
12	L	(2,363)	2.40	0.32	0.0005	(1.10)	0.0019	(4.50)
14	L	(1,266)	2.40	0.32	0.0005	(0.59)	0.0019	(2.41)
18	L	1,337	2.40	0.32	0.0005	0.63	0.0019	2.55
19	L	6,371	2.40	0.32	0.0005	2.98	0.0019	12.14
21	L	3,273	2.40	0.32	0.0005	1.53	0.0019	6.24
24	L	7,363	2.40	0.32	0.0005	3.44	0.0019	14.03
30	L	(7,232)	2.40	0.32	0.0005	(3.38)	0.0019	(13.78)
29	L	3,462	2.40	0.32	0.0005	1.62	0.0019	6.60
31	L	(249)	2.40	0.32	0.0005	(0.12)	0.0019	(0.47)
TOTAL						19.28		78.56

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2031 (Net) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	253,065	2.40	0.032	0.0001	14.56	0.0002	59.31
Freeway	F	313,454	2.40	0.015	0.0000	9.05	0.0001	36.87
TOTAL		566,519				23.61		96.18

World Logistics Center
Mobile Emissions - 2031 (Net) - Mitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0050	0.0072	0.0063	0.0072	0.0091	0.0103	0.0177	0.2040
15 mph	0.0044	0.0063	0.0056	0.0062	0.0080	0.0090	0.0156	0.1801
20 mph	0.0039	0.0056	0.0050	0.0056	0.0073	0.0081	0.0141	0.1623
25 mph	0.0036	0.0051	0.0045	0.0051	0.0067	0.0074	0.0128	0.1483
30 mph	0.0033	0.0047	0.0042	0.0047	0.0063	0.0069	0.0118	0.1380
35 mph	0.0032	0.0045	0.0039	0.0045	0.0060	0.0065	0.0110	0.1304
40 mph	0.0030	0.0043	0.0038	0.0043	0.0057	0.0063	0.0106	0.1248
45 mph	0.0029	0.0041	0.0036	0.0041	0.0056	0.0061	0.0102	0.1213
50 mph	0.0029	0.0041	0.0036	0.0041	0.0056	0.0060	0.0101	0.1201
55 mph	0.0029	0.0042	0.0037	0.0042	0.0057	0.0061	0.0102	0.1214
60 mph	0.0030	0.0044	0.0038	0.0044	0.0059	0.0063	0.0105	0.1253
65 mph	0.0032	0.0047	0.0040	0.0046	0.0062	0.0066	0.0111	0.1314
70 mph	0.0033	0.0052	0.0042	0.0049	0.0068	0.0068	0.0110	0.1385

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0562	0.1184	0.0753	0.0937	0.1388	0.1554	0.2701	0.3946
15 mph	0.0462	0.0985	0.0625	0.0794	0.0904	0.1031	0.2124	0.3066
20 mph	0.0379	0.0809	0.0513	0.0660	0.0771	0.0880	0.1814	0.2625
25 mph	0.0318	0.0675	0.0430	0.0559	0.0684	0.0784	0.1583	0.2204
30 mph	0.0275	0.0581	0.0372	0.0483	0.0622	0.0708	0.1390	0.1936
35 mph	0.0249	0.0521	0.0336	0.0439	0.0623	0.0709	0.1242	0.1732
40 mph	0.0233	0.0485	0.0313	0.0411	0.0606	0.0684	0.1138	0.1590
45 mph	0.0225	0.0468	0.0302	0.0395	0.0592	0.0658	0.1078	0.1511
50 mph	0.0226	0.0468	0.0302	0.0398	0.0621	0.0683	0.1064	0.1485
55 mph	0.0236	0.0490	0.0316	0.0420	0.0648	0.0706	0.1095	0.1546
60 mph	0.0256	0.0531	0.0343	0.0454	0.0654	0.0708	0.1170	0.1639
65 mph	0.0288	0.0592	0.0385	0.0511	0.0664	0.0712	0.1290	0.1777
70 mph	0.0313	0.0616	0.0412	0.0557	0.0676	0.0726	0.1302	0.1805

*US EPA Emission Factors for Greenhouse Gas Inventories. (Idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.8681
15 mph								0.7284
20 mph								0.6359
25 mph								0.5861
30 mph								0.5543
35 mph								0.5291
40 mph								0.5084
45 mph								0.4911
50 mph								0.4762
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0556	0.0061	0.0265	0.0135	0.0077	0.0025	0.0075	0.0007	0.1201
15 mph	0.0195	0.0021	0.0093	0.0047	0.0027	0.0009	0.0022	0.0002	0.0416
20 mph	0.0351	0.0038	0.0167	0.0084	0.0049	0.0016	0.0040	0.0004	0.0748
25 mph	0.1600	0.0173	0.0756	0.0383	0.0224	0.0073	0.0198	0.0019	0.3427
30 mph	0.1636	0.0176	0.0770	0.0391	0.0231	0.0075	0.0166	0.0016	0.3462
35 mph	0.1264	0.0136	0.0593	0.0302	0.0180	0.0058	0.0070	0.0007	0.2611
40 mph	0.0403	0.0043	0.0189	0.0096	0.0058	0.0019	0.0074	0.0007	0.0889
45 mph	0.0325	0.0035	0.0152	0.0078	0.0047	0.0015	0.0057	0.0006	0.0715
50 mph	0.0321	0.0035	0.0151	0.0077	0.0047	0.0015	0.0092	0.0009	0.0747
55 mph	0.0260	0.0029	0.0123	0.0063	0.0038	0.0012	0.0022	0.0002	0.0548
60 mph	0.0540	0.0060	0.0256	0.0131	0.0079	0.0025	0.0022	0.0002	0.1116
65 mph	0.0071	0.0008	0.0034	0.0017	0.0010	0.0003	-	-	0.0143
70 mph	-	-	-	-	-	-	-	-	-
total	0.7521	0.0817	0.3549	0.1806	0.1067	0.0345	0.0838	0.0079	1.6022

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0046	0.0005	0.0022	0.0023	0.0016	0.0005	-	-	0.0118
15 mph	0.0040	0.0004	0.0019	0.0020	0.0014	0.0005	-	-	0.0103
20 mph	0.0036	0.0004	0.0017	0.0018	0.0013	0.0004	0.0071	0.0007	0.0171
25 mph	0.0066	0.0007	0.0031	0.0033	0.0024	0.0008	0.0114	0.0011	0.0294
30 mph	0.0123	0.0013	0.0058	0.0061	0.0045	0.0015	0.0179	0.0017	0.0512
35 mph	0.0261	0.0028	0.0123	0.0130	0.0097	0.0031	0.0168	0.0016	0.0855
40 mph	0.0278	0.0030	0.0130	0.0139	0.0103	0.0033	0.0147	0.0014	0.0874
45 mph	0.0215	0.0023	0.0101	0.0108	0.0081	0.0026	0.0104	0.0010	0.0666
50 mph	0.0239	0.0026	0.0112	0.0120	0.0090	0.0029	0.0051	0.0005	0.0672
55 mph	0.0134	0.0015	0.0063	0.0068	0.0051	0.0016	0.0026	0.0002	0.0376
60 mph	0.0084	0.0009	0.0040	0.0043	0.0032	0.0010	0.1873	0.0179	0.2269
65 mph	0.0029	0.0003	0.0014	0.0015	0.0011	0.0004	-	-	0.0076
70 mph	0.1419	0.0167	0.0666	0.0736	0.0562	0.0166	-	-	0.3715
total	0.2970	0.0335	0.1396	0.1514	0.1140	0.0351	0.2733	0.0261	1.0701

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0014	0.0004	0.0006	0.0000	0.0024
15 mph	0.0434	0.0048	0.0207	0.0068	0.0042	0.0014	0.0036	0.0003	0.0851
25 mph	-	-	-	-	0.0066	0.0021	0.0128	0.0012	0.0227
35 mph	0.1344	0.0145	0.0631	0.0193	-	-	-	-	0.2312
total	0.1778	0.0192	0.0837	0.0261	0.0121	0.0039	0.0170	0.0015	0.3414

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0014	0.0004	0.0006	0.0000	0.0024
10 mph	0.0602	0.0066	0.0287	0.0158	0.0093	0.0031	0.0075	0.0007	0.1319
15 mph	0.0669	0.0073	0.0319	0.0136	0.0083	0.0027	0.0058	0.0005	0.1370
20 mph	0.0387	0.0042	0.0184	0.0103	0.0062	0.0020	0.0111	0.0010	0.0919
25 mph	0.1666	0.0180	0.0788	0.0417	0.0314	0.0102	0.0440	0.0041	0.3948
30 mph	0.1759	0.0190	0.0828	0.0453	0.0276	0.0090	0.0345	0.0033	0.3973
35 mph	0.2870	0.0309	0.1346	0.0625	0.0277	0.0089	0.0238	0.0023	0.5777
40 mph	0.0680	0.0073	0.0319	0.0235	0.0161	0.0052	0.0222	0.0021	0.1763
45 mph	0.0540	0.0058	0.0253	0.0185	0.0128	0.0041	0.0161	0.0015	0.1381
50 mph	0.0560	0.0061	0.0263	0.0197	0.0137	0.0043	0.0143	0.0014	0.1419
55 mph	0.0394	0.0043	0.0186	0.0131	0.0089	0.0028	0.0047	0.0005	0.0923
60 mph	0.0624	0.0069	0.0296	0.0174	0.0110	0.0035	0.1895	0.0182	0.3385
65 mph	0.0100	0.0011	0.0048	0.0032	0.0021	0.0007	-	-	0.0219
70 mph	0.1419	0.0167	0.0666	0.0736	0.0562	0.0166	-	-	0.3715
total	1.2270	0.1344	0.5783	0.3581	0.2328	0.0735	0.3741	0.0356	3.0138

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0071	0.0000	0.0029	0.0056	0.1125	0.0848	0.6666	1.7846	2.6641
15 mph	0.0023	0.0000	0.0010	0.0019	0.0293	0.0225	0.1748	0.4622	0.6940
20 mph	0.0038	0.0000	0.0016	0.0031	0.0500	0.0384	0.2985	0.7915	1.1871
25 mph	0.0160	0.0000	0.0067	0.0133	0.2217	0.1713	1.4329	3.6552	5.5170
30 mph	0.0152	0.0000	0.0063	0.0126	0.2217	0.1701	1.1436	2.9180	4.4876
35 mph	0.0113	0.0000	0.0047	0.0094	0.1817	0.1394	0.4597	1.1746	1.9808
40 mph	0.0035	0.0000	0.0015	0.0029	0.0590	0.0448	0.4680	1.1987	1.7784
45 mph	0.0028	0.0000	0.0012	0.0024	0.0480	0.0359	0.3549	0.9112	1.3563
50 mph	0.0028	0.0000	0.0012	0.0024	0.0503	0.0373	0.5690	1.4547	2.1177
55 mph	0.0024	0.0000	0.0010	0.0020	0.0420	0.0308	0.1351	0.3495	0.5628
60 mph	0.0052	0.0000	0.0021	0.0043	0.0848	0.0618	0.1444	0.3707	0.6734
65 mph	0.0007	0.0000	0.0003	0.0006	0.0108	0.0078	-	-	0.0202
70 mph	-	-	-	-	-	-	-	-	-
total	0.0732	0.0002	0.0303	0.0605	1.1118	0.8450	5.8475	15.0710	23.0394

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0002	0.0010	0.0241	0.0182	-	-	0.0441
15 mph	0.0005	0.0000	0.0002	0.0008	0.0157	0.0121	-	-	0.0293
20 mph	0.0004	0.0000	0.0002	0.0007	0.0134	0.0103	0.5382	1.4269	1.9901
25 mph	0.0007	0.0000	0.0003	0.0011	0.0238	0.0184	0.8219	2.0966	2.9627
30 mph	0.0011	0.0000	0.0005	0.0020	0.0432	0.0332	1.2370	3.1563	4.4733
35 mph	0.0023	0.0000	0.0010	0.0041	0.0974	0.0747	1.1049	2.8235	4.1079
40 mph	0.0024	0.0000	0.0010	0.0042	0.1054	0.0801	0.9281	2.3771	3.4983
45 mph	0.0019	0.0000	0.0008	0.0033	0.0823	0.0616	0.6397	1.6426	2.4321
50 mph	0.0021	0.0000	0.0009	0.0037	0.0971	0.0719	0.3156	0.8069	1.2982
55 mph	0.0012	0.0000	0.0005	0.0022	0.0563	0.0413	0.1624	0.4200	0.6839
60 mph	0.0008	0.0000	0.0003	0.0014	0.0341	0.0249	12.1463	31.1858	43.3936
65 mph	0.0003	0.0000	0.0001	0.0005	0.0115	0.0083	-	-	0.0208
70 mph	0.0150	0.0000	0.0061	0.0263	0.5406	0.3906	-	-	0.9786
total	0.0293	0.0001	0.0120	0.0512	1.1449	0.8456	17.8942	45.9357	65.9131

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0005	0.0003	0.0013	0.0024	0.0045
15 mph	0.0052	0.0000	0.0021	0.0027	0.0453	0.0348	0.2842	0.7516	1.1259
25 mph	-	-	-	-	0.0651	0.0503	0.9269	2.3644	3.4066
35 mph	0.0120	0.0000	0.0050	0.0060	-	-	-	-	0.0230
total	0.0172	0.0000	0.0071	0.0087	0.1108	0.0854	1.2124	3.1185	4.5600

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0005	0.0003	0.0013	0.0024	0.0045
10 mph	0.0077	0.0000	0.0032	0.0065	0.1367	0.1030	0.6666	1.7846	2.7082
15 mph	0.0080	0.0000	0.0033	0.0054	0.0903	0.0694	0.4589	1.2139	1.8492
20 mph	0.0042	0.0000	0.0018	0.0038	0.0634	0.0488	0.8368	2.2184	3.1771
25 mph	0.0167	0.0000	0.0069	0.0144	0.3105	0.2399	3.1817	8.1162	11.8864
30 mph	0.0164	0.0000	0.0068	0.0146	0.2649	0.2032	2.3806	6.0743	8.9609
35 mph	0.0256	0.0001	0.0106	0.0195	0.2791	0.2141	1.5646	3.9981	6.1117
40 mph	0.0059	0.0000	0.0025	0.0072	0.1643	0.1249	1.3961	3.5759	5.2768
45 mph	0.0047	0.0000	0.0019	0.0056	0.1302	0.0975	0.9946	2.5537	3.7884
50 mph	0.0050	0.0000	0.0020	0.0060	0.1474	0.1092	0.8847	2.2615	3.4159
55 mph	0.0036	0.0000	0.0015	0.0042	0.0983	0.0721	0.2975	0.7695	1.2468
60 mph	0.0060	0.0000	0.0024	0.0057	0.1189	0.0867	12.2907	31.5565	44.0670
65 mph	0.0010	0.0000	0.0004	0.0011	0.0223	0.0161	-	-	0.0410
70 mph	0.0150	0.0000	0.0061	0.0263	0.5406	0.3906	-	-	0.9786
total	0.1196	0.0003	0.0494	0.1205	2.3675	1.7759	24.9541	64.1252	93.5125

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.2552	0.2552
15 mph								0.0714	0.0714
20 mph								0.1246	0.1246
25 mph								0.6318	0.6318
30 mph								0.5431	0.5431
35 mph								0.2333	0.2333
40 mph								0.2491	0.2491
45 mph								0.1925	0.1925
50 mph								0.3033	0.3033
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.6043	2.6043

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.2247	0.2247
25 mph								0.3624	0.3624
30 mph								0.5875	0.5875
35 mph								0.5608	0.5608
40 mph								0.4940	0.4940
45 mph								0.3470	0.3470
50 mph								0.1683	0.1683
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.7353	1.7353

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0004	0.0004
15 mph								0.1161	0.1161
25 mph								0.4087	0.4087
35 mph								-	-
total	-	-	-	-	-	-	-	0.5252	0.5252

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0004	0.0004
10 mph								0.2552	0.2552
15 mph								0.1874	0.1874
20 mph								0.3493	0.3493
25 mph								1.4028	1.4028
30 mph								1.1306	1.1306
35 mph								0.7941	0.7941
40 mph								0.7431	0.7431
45 mph								0.5395	0.5395
50 mph								0.4716	0.4716
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.8741	5.8741

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0019	0.0007	0.0019	0.0029	0.0074
10 mph	0.0678	0.0067	0.0319	0.0223	0.1460	0.1061	0.6741	2.0405	3.0953
15 mph	0.0749	0.0074	0.0352	0.0190	0.0986	0.0721	0.4647	1.4018	2.1737
20 mph	0.0429	0.0042	0.0201	0.0141	0.0696	0.0508	0.8479	2.5688	3.6184
25 mph	0.1833	0.0181	0.0857	0.0561	0.3419	0.2501	3.2256	9.5232	13.6840
30 mph	0.1923	0.0190	0.0896	0.0599	0.2925	0.2122	2.4152	7.2082	10.4889
35 mph	0.3126	0.0310	0.1452	0.0820	0.3068	0.2231	1.5884	4.7945	7.4835
40 mph	0.0740	0.0073	0.0343	0.0306	0.1805	0.1301	1.4183	4.3211	6.1962
45 mph	0.0587	0.0058	0.0273	0.0241	0.1430	0.1016	1.0107	3.0948	4.4660
50 mph	0.0610	0.0061	0.0284	0.0258	0.1611	0.1135	0.8990	2.7345	4.0294
55 mph	0.0430	0.0043	0.0201	0.0172	0.1072	0.0750	0.3023	0.7700	1.3391
60 mph	0.0683	0.0069	0.0321	0.0231	0.1300	0.0902	12.4802	31.5747	44.4055
65 mph	0.0110	0.0011	0.0052	0.0044	0.0245	0.0168	-	-	0.0629
70 mph	0.1568	0.0167	0.0726	0.0999	0.5968	0.4072	-	-	1.3501
STREX	0.1382	0.0115	0.0592	0.1130	0.0510	0.0151	0.0215	0.0000	0.4096
total	1.4848	0.1462	0.6869	0.5916	2.6513	1.8645	25.3497	70.0348	**102.8099**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0203	0.0222	0.0231	0.0246	0.0340	0.0341	0.0296	0.0038
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1382	0.0115	0.0592	0.1130	0.0510	0.0151	0.0215	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1382	0.0115	0.0592	0.1130	0.0510	0.0151	0.0215	0.0000

World Logistics Center
Mobile Emissions - 2031 (Net) - Mitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.9271	1.9470	3.3655	2.4269
10 mph	0.0051	0.0101	0.0084	0.0098	0.0103	0.0086	0.0189	0.3066
15 mph	0.0034	0.0068	0.0056	0.0066	0.0069	0.0057	0.0126	0.2035
20 mph	0.0024	0.0049	0.0040	0.0047	0.0050	0.0041	0.0089	0.1432
25 mph	0.0017	0.0036	0.0029	0.0035	0.0037	0.0030	0.0065	0.1060
30 mph	0.0014	0.0029	0.0023	0.0027	0.0030	0.0023	0.0051	0.0828
35 mph	0.0011	0.0024	0.0019	0.0022	0.0025	0.0019	0.0041	0.0684
40 mph	0.0010	0.0021	0.0016	0.0019	0.0022	0.0017	0.0036	0.0596
45 mph	0.0009	0.0019	0.0015	0.0018	0.0020	0.0016	0.0033	0.0547
50 mph	0.0009	0.0018	0.0014	0.0017	0.0020	0.0015	0.0032	0.0529
55 mph	0.0009	0.0018	0.0015	0.0017	0.0020	0.0015	0.0032	0.0539
60 mph	0.0009	0.0019	0.0015	0.0018	0.0022	0.0016	0.0035	0.0577
65 mph	0.0010	0.0021	0.0017	0.0020	0.0025	0.0019		
70 mph	0.0011	0.0025	0.0018	0.0022	0.0026	0.0019		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0235	0.1100
10 mph	0.0039	0.0146	0.0091	0.0042	0.0256	0.0258	0.0015	0.0038
15 mph	0.0020	0.0090	0.0044	0.0021	0.0129	0.0129	0.0008	0.0021
20 mph	0.0008	0.0057	0.0017	0.0008	0.0055	0.0055	0.0006	0.0013
25 mph	0.0005	0.0043	0.0010	0.0005	0.0035	0.0035	0.0005	0.0011
30 mph	0.0004	0.0035	0.0008	0.0004	0.0027	0.0027	0.0004	0.0009
35 mph	0.0003	0.0030	0.0006	0.0003	0.0022	0.0022	0.0003	0.0007
40 mph	0.0003	0.0027	0.0005	0.0003	0.0019	0.0019	0.0003	0.0006
45 mph	0.0002	0.0025	0.0004	0.0002	0.0017	0.0017	0.0002	0.0006
50 mph	0.0002	0.0025	0.0004	0.0002	0.0015	0.0015	0.0002	0.0006
55 mph	0.0002	0.0026	0.0003	0.0002	0.0014	0.0014	0.0003	0.0006
60 mph	0.0002	0.0028	0.0003	0.0002	0.0014	0.0014	0.0003	0.0007
65 mph	0.0002	0.0032	0.0003	0.0002	0.0016	0.0015		
70 mph	0.0002	0.0036	0.0003	0.0002	0.0023	0.0022		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.9006
10 mph								11.0968
15 mph								7.6454
20 mph								5.4185
25 mph								3.9759
30 mph								2.9471
35 mph								2.1868
40 mph								1.6256
45 mph								1.2121
50 mph								0.9088
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0563	0.0086	0.0351	0.0185	0.0087	0.0021	0.0080	0.0010	0.1383
15 mph	0.0150	0.0023	0.0094	0.0050	0.0023	0.0006	0.0018	0.0002	0.0366
20 mph	0.0211	0.0033	0.0133	0.0070	0.0034	0.0008	0.0025	0.0003	0.0517
25 mph	0.0778	0.0123	0.0492	0.0261	0.0125	0.0030	0.0101	0.0013	0.1924
30 mph	0.0665	0.0107	0.0422	0.0224	0.0109	0.0025	0.0071	0.0009	0.1632
35 mph	0.0446	0.0072	0.0282	0.0151	0.0074	0.0017	0.0026	0.0003	0.1072
40 mph	0.0129	0.0021	0.0082	0.0044	0.0022	0.0005	0.0025	0.0003	0.0331
45 mph	0.0099	0.0016	0.0063	0.0033	0.0017	0.0004	0.0018	0.0002	0.0252
50 mph	0.0095	0.0015	0.0060	0.0032	0.0017	0.0004	0.0029	0.0004	0.0256
55 mph	0.0077	0.0012	0.0049	0.0026	0.0014	0.0003	0.0007	0.0001	0.0189
60 mph	0.0163	0.0026	0.0102	0.0055	0.0029	0.0006	0.0007	0.0001	0.0390
65 mph	0.0023	0.0004	0.0014	0.0008	0.0004	0.0001	-	-	0.0053
70 mph	-	-	-	-	-	-	-	-	-
total	0.3399	0.0538	0.2143	0.1138	0.0554	0.0130	0.0408	0.0054	0.8364

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0047	0.0007	0.0029	0.0032	0.0019	0.0005	-	-	0.0138
15 mph	0.0031	0.0005	0.0019	0.0021	0.0012	0.0003	-	-	0.0092
20 mph	0.0022	0.0003	0.0014	0.0015	0.0009	0.0002	0.0045	0.0006	0.0116
25 mph	0.0032	0.0005	0.0020	0.0023	0.0013	0.0003	0.0058	0.0008	0.0162
30 mph	0.0050	0.0008	0.0032	0.0035	0.0021	0.0005	0.0077	0.0010	0.0238
35 mph	0.0092	0.0015	0.0058	0.0065	0.0040	0.0009	0.0063	0.0008	0.0351
40 mph	0.0089	0.0014	0.0056	0.0063	0.0039	0.0009	0.0050	0.0007	0.0327
45 mph	0.0065	0.0011	0.0041	0.0046	0.0029	0.0007	0.0033	0.0004	0.0237
50 mph	0.0071	0.0011	0.0045	0.0050	0.0032	0.0007	0.0016	0.0002	0.0234
55 mph	0.0040	0.0006	0.0025	0.0028	0.0018	0.0004	0.0008	0.0001	0.0131
60 mph	0.0025	0.0004	0.0016	0.0018	0.0012	0.0003	0.0616	0.0083	0.0776
65 mph	0.0009	0.0001	0.0006	0.0007	0.0004	0.0001	-	-	0.0029
70 mph	0.0471	0.0080	0.0286	0.0333	0.0219	0.0045	-	-	0.1433
total	0.1044	0.0171	0.0647	0.0736	0.0468	0.0103	0.0967	0.0129	0.4266

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1987	0.0591	0.1580	0.0013	0.4171
15 mph	0.0334	0.0052	0.0209	0.0072	0.0036	0.0009	0.0029	0.0004	0.0744
25 mph	-	-	-	-	0.0037	0.0009	0.0066	0.0009	0.0120
35 mph	0.0474	0.0077	0.0300	0.0096	-	-	-	-	0.0947
total	0.0808	0.0128	0.0510	0.0168	0.2060	0.0608	0.1674	0.0025	0.5981

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1987	0.0591	0.1580	0.0013	0.4171
10 mph	0.0610	0.0093	0.0380	0.0217	0.0105	0.0026	0.0080	0.0010	0.1521
15 mph	0.0515	0.0079	0.0323	0.0143	0.0072	0.0017	0.0047	0.0006	0.1202
20 mph	0.0233	0.0036	0.0147	0.0085	0.0042	0.0010	0.0070	0.0009	0.0634
25 mph	0.0810	0.0129	0.0513	0.0283	0.0176	0.0042	0.0225	0.0029	0.2206
30 mph	0.0715	0.0115	0.0453	0.0259	0.0130	0.0030	0.0148	0.0020	0.1870
35 mph	0.1012	0.0164	0.0641	0.0311	0.0114	0.0026	0.0089	0.0012	0.2369
40 mph	0.0218	0.0035	0.0138	0.0106	0.0061	0.0014	0.0075	0.0010	0.0658
45 mph	0.0164	0.0027	0.0104	0.0080	0.0046	0.0010	0.0052	0.0007	0.0489
50 mph	0.0166	0.0027	0.0105	0.0082	0.0048	0.0011	0.0045	0.0006	0.0490
55 mph	0.0117	0.0019	0.0074	0.0054	0.0032	0.0007	0.0015	0.0002	0.0320
60 mph	0.0188	0.0030	0.0118	0.0073	0.0041	0.0009	0.0624	0.0084	0.1166
65 mph	0.0032	0.0005	0.0020	0.0014	0.0009	0.0002	-	-	0.0082
70 mph	0.0471	0.0080	0.0286	0.0333	0.0219	0.0045	-	-	0.1433
total	0.5251	0.0838	0.3300	0.2042	0.3081	0.0841	0.3050	0.0208	1.8611

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0005	0.0000	0.0004	0.0003	0.0208	0.0141	0.0038	0.0172	0.0569
15 mph	0.0001	0.0000	0.0001	0.0000	0.0042	0.0028	0.0007	0.0031	0.0111
20 mph	0.0001	0.0000	0.0001	0.0000	0.0036	0.0024	0.0009	0.0039	0.0110
25 mph	0.0003	0.0000	0.0002	0.0001	0.0113	0.0076	0.0041	0.0177	0.0412
30 mph	0.0002	0.0000	0.0001	0.0001	0.0096	0.0065	0.0030	0.0130	0.0326
35 mph	0.0001	0.0000	0.0001	0.0001	0.0065	0.0043	0.0011	0.0048	0.0171
40 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0012	0.0011	0.0046	0.0089
45 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0009	0.0008	0.0034	0.0065
50 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0008	0.0013	0.0055	0.0090
55 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0006	0.0003	0.0014	0.0033
60 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0012	0.0004	0.0017	0.0052
65 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0014	0.0000	0.0009	0.0007	0.0634	0.0427	0.0174	0.0766	0.2032

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0045	0.0030	-	-	0.0076
15 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0015	-	-	0.0038
20 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0006	0.0017	0.0071	0.0104
25 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0008	0.0023	0.0102	0.0146
30 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0013	0.0032	0.0141	0.0205
35 mph	0.0000	0.0000	0.0000	0.0000	0.0035	0.0023	0.0027	0.0116	0.0202
40 mph	0.0000	0.0000	0.0000	0.0000	0.0033	0.0022	0.0021	0.0092	0.0169
45 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0016	0.0014	0.0062	0.0115
50 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0016	0.0007	0.0031	0.0078
55 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0008	0.0004	0.0017	0.0042
60 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0319	0.1391	0.1723
65 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	-	-	0.0005
70 mph	0.0001	0.0000	0.0000	0.0001	0.0188	0.0116	-	-	0.0306
total	0.0003	0.0000	0.0002	0.0003	0.0433	0.0280	0.0465	0.2023	0.3209

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0147	0.0099	0.0064	0.0553	0.0864
15 mph	0.0002	0.0000	0.0002	0.0001	0.0065	0.0044	0.0011	0.0051	0.0175
25 mph	-	-	-	-	0.0033	0.0022	0.0026	0.0115	0.0197
35 mph	0.0001	0.0000	0.0001	0.0000	-	-	-	-	0.0003
total	0.0004	0.0000	0.0002	0.0001	0.0245	0.0165	0.0102	0.0719	0.1238

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0147	0.0099	0.0064	0.0553	0.0864
10 mph	0.0005	0.0000	0.0004	0.0003	0.0252	0.0171	0.0038	0.0172	0.0645
15 mph	0.0003	0.0000	0.0002	0.0001	0.0129	0.0087	0.0018	0.0083	0.0324
20 mph	0.0001	0.0000	0.0001	0.0000	0.0045	0.0030	0.0027	0.0111	0.0215
25 mph	0.0003	0.0000	0.0002	0.0001	0.0158	0.0106	0.0091	0.0394	0.0754
30 mph	0.0002	0.0000	0.0001	0.0001	0.0115	0.0077	0.0063	0.0271	0.0531
35 mph	0.0003	0.0000	0.0002	0.0001	0.0100	0.0067	0.0038	0.0165	0.0376
40 mph	0.0001	0.0000	0.0000	0.0000	0.0052	0.0034	0.0032	0.0138	0.0257
45 mph	0.0000	0.0000	0.0000	0.0000	0.0037	0.0025	0.0022	0.0096	0.0180
50 mph	0.0000	0.0000	0.0000	0.0000	0.0037	0.0024	0.0020	0.0086	0.0168
55 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0014	0.0007	0.0031	0.0075
60 mph	0.0000	0.0000	0.0000	0.0000	0.0026	0.0017	0.0323	0.1408	0.1775
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	-	-	0.0009
70 mph	0.0001	0.0000	0.0000	0.0001	0.0188	0.0116	-	-	0.0306
total	0.0021	0.0000	0.0014	0.0011	0.1311	0.0872	0.0741	0.3508	0.6478

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								3.2622	3.2622
15 mph								0.7492	0.7492
20 mph								1.0619	1.0619
25 mph								4.2858	4.2858
30 mph								2.8879	2.8879
35 mph								0.9643	0.9643
40 mph								0.7965	0.7965
45 mph								0.4751	0.4751
50 mph								0.5788	0.5788
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	15.0618	15.0618

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1.9144	1.9144
25 mph								2.4583	2.4583
30 mph								3.1237	3.1237
35 mph								2.3179	2.3179
40 mph								1.5794	1.5794
45 mph								0.8565	0.8565
50 mph								0.3211	0.3211
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	9.8143	9.8143

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0621	0.0621
15 mph								1.2182	1.2182
25 mph								2.7723	2.7723
35 mph								-	-
total	-	-	-	-	-	-	-	4.0527	4.0527

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0621	0.0621
10 mph								3.2622	3.2622
15 mph								1.9674	1.9674
20 mph								2.9764	2.9764
25 mph								9.5164	9.5164
30 mph								6.0116	6.0116
35 mph								3.2822	3.2822
40 mph								2.3759	2.3759
45 mph								1.3317	1.3317
50 mph								0.8999	0.8999
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	31.6859	31.6859

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2134	0.0690	0.1644	0.1187	0.5655
10 mph	0.0615	0.0093	0.0384	0.0220	0.0358	0.0196	0.0117	3.2805	3.4788
15 mph	0.0518	0.0079	0.0325	0.0145	0.0200	0.0104	0.0065	1.9763	2.1200
20 mph	0.0234	0.0036	0.0147	0.0086	0.0088	0.0041	0.0097	2.9883	3.0612
25 mph	0.0813	0.0129	0.0514	0.0284	0.0333	0.0148	0.0316	9.5588	9.8124
30 mph	0.0717	0.0115	0.0455	0.0260	0.0245	0.0108	0.0211	6.0407	6.2517
35 mph	0.1015	0.0164	0.0643	0.0313	0.0214	0.0093	0.0127	3.2998	3.5567
40 mph	0.0219	0.0035	0.0139	0.0107	0.0113	0.0048	0.0107	2.3907	2.4675
45 mph	0.0165	0.0027	0.0104	0.0080	0.0083	0.0035	0.0074	1.3419	1.3986
50 mph	0.0167	0.0027	0.0105	0.0083	0.0085	0.0035	0.0065	0.9092	0.9658
55 mph	0.0118	0.0019	0.0074	0.0054	0.0054	0.0022	0.0022	0.0033	0.0395
60 mph	0.0189	0.0030	0.0118	0.0073	0.0067	0.0026	0.0946	0.1492	0.2940
65 mph	0.0032	0.0005	0.0020	0.0014	0.0014	0.0005	-	-	0.0091
70 mph	0.0472	0.0080	0.0286	0.0334	0.0407	0.0161	-	-	0.1740
STREX	0.2044	0.0199	0.1046	0.2123	0.0231	0.0068	0.0239	0.0000	0.5949
total	0.7316	0.1037	0.4360	0.4176	0.4624	0.1781	0.4030	32.0574	**34.7897**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0300	0.0383	0.0409	0.0463	0.0154	0.0154	0.0329	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2044	0.0199	0.1046	0.2123	0.0231	0.0068	0.0239	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.2044	0.0199	0.1046	0.2123	0.0231	0.0068	0.0239	0.0000

World Logistics Center
Mobile Emissions - 2031 (Net) - Mitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,165.76	4,868.63	12,330.98	20,317.70
10 mph	422.74	495.69	504.07	620.22	1,366.93	1,574.78	2,810.45	3,306.49
15 mph	345.55	405.17	411.92	506.54	1,116.85	1,285.75	2,300.17	2,713.06
20 mph	287.39	336.97	342.59	421.31	928.64	1,069.37	1,910.69	2,260.50
25 mph	245.70	288.15	292.98	360.54	793.74	913.85	1,634.63	1,935.47
30 mph	218.07	255.76	260.11	320.37	704.60	811.30	1,452.16	1,717.87
35 mph	202.24	237.21	241.29	297.57	653.51	752.65	1,347.38	1,590.89
40 mph	195.94	229.82	233.76	288.33	632.66	728.69	1,303.73	1,537.98
45 mph	197.01	230.96	234.87	289.62	634.98	731.34	1,309.37	1,539.27
50 mph	202.90	237.83	241.80	298.39	653.66	752.58	1,346.94	1,580.78
55 mph	210.78	247.03	251.24	310.18	680.39	783.30	1,400.11	1,642.12
60 mph	217.03	254.70	259.24	320.47	707.93	814.99	1,456.22	1,705.48
65 mph	222.35	261.37	266.13	329.55	729.40	839.36		
70 mph	225.33	265.00	268.90	336.79	739.31	847.98		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,377.46	5,456.19	5,605.22	5,199.16
10 mph	357.26	753.37	479.20	596.35	883.34	988.55	1,718.06	2,510.48
15 mph	293.88	626.59	397.44	505.40	575.04	655.98	1,351.26	1,950.73
20 mph	241.07	514.47	326.50	419.77	490.70	560.15	1,154.21	1,670.17
25 mph	202.12	429.72	273.76	355.39	435.11	499.07	1,007.20	1,402.32
30 mph	175.11	369.61	236.71	307.38	395.52	450.55	884.27	1,231.45
35 mph	158.35	331.17	213.59	279.42	396.25	451.37	789.84	1,101.60
40 mph	148.20	308.58	199.33	261.47	385.79	435.33	723.75	1,011.77
45 mph	143.16	297.77	192.19	251.60	376.48	418.67	685.98	961.31
50 mph	143.60	297.68	192.44	253.07	394.96	434.46	676.91	944.45
55 mph	150.24	311.45	201.18	267.02	412.25	449.13	696.54	983.27
60 mph	162.89	337.65	217.95	289.13	416.22	450.57	744.23	1,042.92
65 mph	183.21	376.31	244.74	325.27	422.52	452.81		
70 mph	199.19	392.17	262.13	354.20	430.23	461.61		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,239.65
10 mph								4,258.24
15 mph								3,573.07
20 mph								3,119.32
25 mph								2,875.03
30 mph								2,718.90
35 mph								2,595.33
40 mph								2,494.02
45 mph								2,408.87
50 mph								2,335.98
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	4,707.87	420.69	2,109.00	1,168.52	1,145.09	388.29	1,186.59	11.26	11,137.31
15 mph	1,539.30	137.55	689.39	381.73	374.24	126.81	323.72	3.08	3,575.82
20 mph	2,560.46	228.79	1,146.70	635.01	622.35	210.94	537.81	5.13	5,947.19
25 mph	10,945.11	978.21	4,903.36	2,717.05	2,659.69	901.31	2,530.56	24.17	25,659.44
30 mph	10,685.49	955.09	4,788.48	2,655.82	2,597.09	880.19	2,043.70	19.50	24,625.35
35 mph	8,108.17	724.74	3,634.32	2,018.26	1,970.81	668.09	853.31	8.13	17,985.84
40 mph	2,618.49	234.06	1,173.64	651.87	635.99	215.61	917.41	8.73	6,455.80
45 mph	2,193.98	196.02	982.70	545.65	531.93	180.33	737.10	6.99	5,374.69
50 mph	2,259.60	201.85	1,011.71	562.18	547.58	185.56	1,232.16	11.66	6,012.30
55 mph	1,877.92	167.72	840.95	467.50	455.98	154.51	295.57	2.80	4,262.95
60 mph	3,867.13	345.86	1,735.47	966.05	948.86	321.52	307.41	2.90	8,495.22
65 mph	495.24	44.36	222.70	124.18	122.21	41.39	-	-	1,050.08
70 mph	-	-	-	-	-	-	-	-	-
total	51,858.77	4,634.94	23,238.42	12,893.82	12,611.81	4,274.55	10,965.34	104.35	120,582.00

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	389.37	34.79	174.43	201.84	245.55	83.26	-	-	1,129.23
15 mph	318.27	28.44	142.54	164.84	200.62	67.98	-	-	922.70
20 mph	264.71	23.65	118.55	137.11	166.82	56.54	969.53	9.25	1,746.15
25 mph	452.61	40.45	202.77	234.66	285.16	96.64	1,451.54	13.86	2,777.69
30 mph	803.41	71.81	360.03	417.04	506.28	171.58	2,210.57	21.09	4,561.81
35 mph	1,676.48	149.85	751.45	871.54	1,056.53	358.16	2,051.08	19.53	6,934.61
40 mph	1,804.70	161.32	808.89	938.31	1,136.48	385.28	1,819.25	17.31	7,071.53
45 mph	1,451.64	129.69	650.20	754.00	912.51	309.34	1,328.81	12.60	5,548.79
50 mph	1,681.93	150.24	753.06	873.95	1,056.78	358.12	683.47	6.47	5,564.03
55 mph	970.72	86.70	434.69	504.70	611.11	207.08	355.22	3.36	3,173.58
60 mph	599.69	53.63	269.12	312.87	381.50	129.27	25,862.28	244.31	27,852.69
65 mph	204.80	18.35	92.09	107.25	131.03	44.38	-	-	597.89
70 mph	9,546.95	855.64	4,280.29	5,041.56	6,109.05	2,062.41	-	-	27,895.91
total	20,165.26	1,804.57	9,038.12	10,559.65	12,799.42	4,330.04	36,731.75	347.80	95,776.60

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	429.53	147.76	578.88	10.63	1,166.80
15 mph	3,423.10	305.88	1,533.07	553.64	578.19	195.92	526.38	5.01	7,121.17
25 mph	-	-	-	-	780.41	264.46	1,636.94	15.63	2,697.44
35 mph	8,620.05	770.50	3,863.76	1,285.92	-	-	-	-	14,540.24
total	12,043.15	1,076.38	5,396.83	1,839.56	1,788.13	608.14	2,742.20	31.27	25,525.65

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	429.53	147.76	578.88	10.63	1,166.80
10 mph	5,097.24	455.48	2,283.43	1,370.36	1,390.64	471.55	1,186.59	11.26	12,266.55
15 mph	5,280.67	471.87	2,365.00	1,100.21	1,153.05	390.71	850.10	8.09	11,619.69
20 mph	2,825.17	252.44	1,265.25	772.12	789.16	267.48	1,507.33	14.38	7,693.34
25 mph	11,397.72	1,018.66	5,106.12	2,951.71	3,725.26	1,262.41	5,619.03	53.67	31,134.57
30 mph	11,488.90	1,026.90	5,148.51	3,072.85	3,103.36	1,051.77	4,254.27	40.59	29,187.17
35 mph	18,404.69	1,645.09	8,249.53	4,175.72	3,027.34	1,026.25	2,904.39	27.66	39,460.69
40 mph	4,423.19	395.37	1,982.54	1,590.18	1,772.46	600.88	2,736.66	26.04	13,527.33
45 mph	3,645.62	325.71	1,632.90	1,299.65	1,444.43	489.67	2,065.91	19.59	10,923.48
50 mph	3,941.53	352.09	1,764.77	1,436.12	1,604.36	543.68	1,915.63	18.13	11,576.33
55 mph	2,848.64	254.42	1,275.64	972.20	1,067.09	361.59	650.79	6.16	7,436.53
60 mph	4,466.82	399.50	2,004.59	1,278.93	1,330.37	450.79	26,169.69	247.22	36,347.91
65 mph	700.04	62.71	314.79	231.42	253.23	85.77	-	-	1,647.97
70 mph	9,546.95	855.64	4,280.29	5,041.56	6,109.05	2,062.41	-	-	27,895.91
total	84,067.18	7,515.88	37,673.37	25,293.04	27,199.35	9,212.73	50,439.29	483.42	241,884.26

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	44.95	0.10	18.52	35.48	715.85	539.56	4,240.79	11,353.63	16,948.89
15 mph	14.79	0.03	6.14	12.03	186.40	143.22	1,111.80	2,940.72	4,415.14
20 mph	24.27	0.06	10.10	19.98	318.13	244.58	1,899.33	5,035.57	7,552.01
25 mph	101.72	0.24	42.33	84.58	1,410.43	1,089.58	9,115.80	23,253.89	35,098.57
30 mph	96.94	0.22	40.26	80.47	1,410.32	1,082.01	7,275.66	18,564.02	28,549.90
35 mph	71.73	0.16	29.72	59.85	1,156.01	886.90	2,924.41	7,472.96	12,601.74
40 mph	22.38	0.05	9.25	18.67	375.17	285.12	2,977.47	7,626.20	11,314.29
45 mph	18.01	0.04	7.43	14.97	305.10	228.51	2,257.67	5,796.66	8,628.38
50 mph	18.07	0.04	7.44	15.06	320.08	237.13	3,620.21	9,254.37	13,472.40
55 mph	15.12	0.03	6.22	12.71	267.27	196.11	859.66	2,223.42	3,580.55
60 mph	32.79	0.07	13.48	27.52	539.68	393.47	918.52	2,358.31	4,283.84
65 mph	4.61	0.01	1.89	3.87	68.48	49.43	-	-	128.29
70 mph	-	-	-	-	-	-	-	-	-
total	465.38	1.07	192.77	385.18	7,072.91	5,375.62	37,201.31	95,879.76	146,574.00

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	3.72	0.01	1.53	6.13	153.50	115.70	-	-	280.59
15 mph	3.06	0.01	1.27	5.19	99.93	76.78	-	-	186.23
20 mph	2.51	0.01	1.04	4.31	85.27	65.56	3,424.03	9,077.88	12,660.62
25 mph	4.21	0.01	1.75	7.30	151.22	116.82	5,228.85	13,338.51	18,848.68
30 mph	7.29	0.02	3.03	12.64	274.93	210.93	7,869.74	20,079.81	28,458.37
35 mph	14.83	0.03	6.15	25.84	619.72	475.45	7,029.31	17,962.55	26,133.89
40 mph	15.42	0.04	6.37	26.87	670.40	509.50	5,904.41	15,122.97	22,255.98
45 mph	11.92	0.03	4.92	20.69	523.38	392.01	4,070.01	10,449.95	15,472.90
50 mph	13.45	0.03	5.54	23.41	617.72	457.64	2,008.11	5,133.34	8,259.23
55 mph	7.82	0.02	3.22	13.72	358.19	262.83	1,033.17	2,672.19	4,351.15
60 mph	5.09	0.01	2.09	8.91	216.99	158.20	77,273.32	198,400.83	276,065.44
65 mph	1.91	0.00	0.78	3.34	73.42	53.00	-	-	132.46
70 mph	95.35	0.21	38.55	167.44	3,439.12	2,485.22	-	-	6,225.89
total	186.55	0.41	76.23	325.80	7,283.80	5,379.64	113,840.95	292,238.02	419,331.40

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	336.89	366.55	1,538.39	2,614.42	4,856.25
15 mph	32.89	0.08	13.66	17.44	287.99	221.26	1,807.85	4,781.78	7,162.96
25 mph	-	-	-	-	413.85	319.71	5,896.73	15,042.23	21,672.51
35 mph	76.25	0.17	31.60	38.13	-	-	-	-	146.16
total	109.14	0.25	45.26	55.58	1,038.73	907.52	9,242.97	22,438.43	33,837.88

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	336.89	366.55	1,538.39	2,614.42	4,856.25
10 mph	48.67	0.11	20.05	41.61	869.36	655.26	4,240.79	11,353.63	17,229.48
15 mph	50.74	0.12	21.08	34.67	574.32	441.25	2,919.65	7,722.50	11,764.33
20 mph	26.77	0.06	11.14	24.29	403.40	310.14	5,323.36	14,113.45	20,212.63
25 mph	105.93	0.25	44.08	91.88	1,975.50	1,526.11	20,241.38	51,634.63	75,619.75
30 mph	104.23	0.24	43.28	93.10	1,685.24	1,292.93	15,145.40	38,643.83	57,008.27
35 mph	162.81	0.37	67.46	123.82	1,775.73	1,362.35	9,953.71	25,435.51	38,881.78
40 mph	37.80	0.09	15.62	45.54	1,045.57	794.63	8,881.88	22,749.16	33,570.27
45 mph	29.93	0.07	12.34	35.65	828.48	620.52	6,327.68	16,246.61	24,101.28
50 mph	31.52	0.07	12.97	38.46	937.79	694.77	5,628.32	14,387.71	21,731.62
55 mph	22.94	0.05	9.44	26.43	625.46	458.94	1,892.83	4,895.61	7,931.70
60 mph	37.88	0.09	15.57	36.44	756.67	551.67	78,191.84	200,759.13	280,349.28
65 mph	6.52	0.01	2.67	7.21	141.90	102.43	-	-	260.75
70 mph	95.35	0.21	38.55	167.44	3,439.12	2,485.22	-	-	6,225.89
total	761.08	1.73	314.26	766.56	15,395.44	11,662.78	160,285.23	410,556.20	599,743.28

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1,251.84	1,251.84
15 mph								350.14	350.14
20 mph								611.34	611.34
25 mph								3,099.07	3,099.07
30 mph								2,664.34	2,664.34
35 mph								1,144.46	1,144.46
40 mph								1,221.99	1,221.99
45 mph								944.21	944.21
50 mph								1,487.92	1,487.92
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	12,775.30	12,775.30

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1,102.10	1,102.10
25 mph								1,777.64	1,777.64
30 mph								2,881.89	2,881.89
35 mph								2,750.91	2,750.91
40 mph								2,423.23	2,423.23
45 mph								1,702.18	1,702.18
50 mph								825.34	825.34
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	8,512.53	8,512.53

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								171.27	171.27
15 mph								569.34	569.34
25 mph								2,004.69	2,004.69
35 mph								-	-
total	-	-	-	-	-	-	-	2,745.30	2,745.30

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								171.27	171.27
10 mph								1,251.84	1,251.84
15 mph								919.48	919.48
20 mph								1,713.45	1,713.45
25 mph								6,881.39	6,881.39
30 mph								5,546.23	5,546.23
35 mph								3,895.37	3,895.37
40 mph								3,645.22	3,645.22
45 mph								2,646.40	2,646.40
50 mph								2,313.25	2,313.25
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	28,983.90	28,983.90

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	766.43	514.31	2,117.27	2,796.32	6,194.33
10 mph	5,145.90	455.60	2,303.48	1,411.97	2,259.99	1,126.81	5,427.38	12,616.73	30,747.86
15 mph	5,331.41	471.98	2,386.08	1,134.87	1,727.37	831.96	3,769.75	8,650.07	24,303.50
20 mph	2,851.94	252.50	1,276.39	796.41	1,192.56	577.62	6,830.70	15,841.28	29,619.41
25 mph	11,503.65	1,018.90	5,150.20	3,043.59	5,700.77	2,788.52	25,860.41	58,569.68	113,635.72
30 mph	11,593.13	1,027.14	5,191.79	3,165.95	4,788.61	2,344.70	19,399.67	44,230.66	91,741.67
35 mph	18,567.50	1,645.47	8,317.00	4,299.55	4,803.07	2,388.60	12,858.11	29,358.54	82,237.83
40 mph	4,460.99	395.46	1,998.15	1,635.72	2,818.03	1,395.51	11,618.53	26,420.42	50,742.82
45 mph	3,675.55	325.78	1,645.25	1,335.31	2,272.91	1,110.19	8,393.59	18,912.60	37,671.16
50 mph	3,973.05	352.16	1,777.75	1,474.59	2,542.16	1,238.45	7,543.95	16,719.10	35,621.21
55 mph	2,871.58	254.47	1,285.08	998.63	1,692.55	820.52	2,543.63	4,901.76	15,368.23
60 mph	4,504.70	399.58	2,020.16	1,315.36	2,087.04	1,002.47	104,361.53	201,006.35	316,697.19
65 mph	706.55	62.73	317.46	238.64	395.14	188.20	-	-	1,908.72
70 mph	9,642.30	855.85	4,318.84	5,209.01	9,548.17	4,547.63	-	-	34,121.79
STREX	305.85	27.45	140.47	310.56	25.80	8.67	24.40	0.24	843.44
total	85,134.10	7,545.06	38,128.10	26,370.15	42,620.59	20,884.18	210,748.92	440,023.76	**871,454.86**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	44.89	52.86	54.87	67.73	17.20	19.63	33.60	40.57
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	305.85	27.45	140.47	310.56	25.80	8.67	24.40	0.24
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	305.85	27.45	140.47	310.56	25.80	8.67	24.40	0.24

World Logistics Center
Mobile Emissions - 2032 (Net) - Mitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
41.10	1,203.28	742.69	8.55	11.23	190.01	117.13	318.37	10.71	46.64	45.84	103.19	8.14	107.30	37.24	919,759.18

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
7.50	219.60	135.54	1.56	2.05	34.68	21.38	58.10	1.96	8.51	8.37	18.83	1.49	19.58	6.80	167,856.05

World Logistics Center
Mobile Emissions - 2032 (Net) - Mitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	3,491.77	39.96	176.35	168,464.52	1,927.93	8,508.15
LDT1	266.32	0.04	7.22	12,848.98	2.00	348.43
LDT2	1,312.39	12.33	44.43	63,317.83	594.79	2,143.78
MDT	2,185.32	70.40	79.41	33,474.20	1,078.34	1,216.41
LHDT1	708.34	701.51	-	16,476.19	16,317.35	-
LHDT2	207.52	470.31	-	4,826.86	10,939.60	-
MHDT	345.73	2,037.55	-	15,473.80	91,193.26	-
HHDT	2.90	3,722.92	248.19	130.01	166,623.99	11,107.90

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	119,180.20	1,363.92	6,019.09	49,284.32	564.02	2,489.06
LDT1	9,090.01	1.42	246.50	3,758.97	0.59	101.93
LDT2	44,794.19	420.79	1,516.61	18,523.64	174.01	627.16
MDT	17,961.65	578.62	652.70	15,512.56	499.72	563.71
LHDT1	7,951.17	7,874.51	-	8,525.02	8,442.84	-
LHDT2	2,329.37	5,279.29	-	2,497.49	5,660.31	-
MHDT	3,359.85	19,800.92	-	12,113.95	71,392.34	-
HHDT	28.23	36,179.30	2,411.87	101.78	130,444.69	8,696.02

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	5,959.01	454.50	2,239.71	898.08	397.56	116.47	201.59	1.69	10,268.61
15 mph	2,383.60	181.80	895.88	359.23	159.02	46.59	67.20	0.56	4,093.89
20 mph	4,767.21	363.60	1,791.77	718.47	318.05	93.17	134.39	1.13	8,187.79
25 mph	23,836.04	1,818.00	8,958.84	3,592.33	1,590.23	465.87	739.17	6.21	41,006.69
30 mph	26,219.64	1,999.80	9,854.72	3,951.56	1,749.26	512.46	671.97	5.65	44,965.06
35 mph	21,452.44	1,636.20	8,062.95	3,233.10	1,431.21	419.29	302.39	2.54	36,540.11
40 mph	7,150.81	545.40	2,687.65	1,077.70	477.07	139.76	335.98	2.82	12,417.20
45 mph	5,959.01	454.50	2,239.71	898.08	397.56	116.47	268.79	2.26	10,336.37
50 mph	5,959.01	454.50	2,239.71	898.08	397.56	116.47	436.78	3.67	10,505.78
55 mph	4,767.21	363.60	1,791.77	718.47	318.05	93.17	100.80	0.85	8,153.91
60 mph	9,534.42	727.20	3,583.54	1,436.93	636.09	186.35	100.80	0.85	16,206.17
65 mph	1,191.80	90.90	447.94	179.62	79.51	23.29	-	-	2,013.07
70 mph	-	-	-	-	-	-	-	-	-
total	119,180.20	9,090.01	44,794.19	17,961.65	7,951.17	2,329.37	3,359.85	28.23	204,694.65

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	492.84	37.59	185.24	155.13	85.25	24.97	-	-	981.02
15 mph	492.84	37.59	185.24	155.13	85.25	24.97	-	-	981.02
20 mph	492.84	37.59	185.24	155.13	85.25	24.97	242.28	2.04	1,225.33
25 mph	985.69	75.18	370.47	310.25	170.50	49.95	423.99	3.56	2,389.59
30 mph	1,971.37	150.36	740.95	620.50	341.00	99.90	726.84	6.11	4,657.02
35 mph	4,435.59	338.31	1,667.13	1,396.13	767.25	224.77	726.84	6.11	9,562.12
40 mph	4,928.43	375.90	1,852.36	1,551.26	852.50	249.75	666.27	5.60	10,482.07
45 mph	3,942.75	300.72	1,481.89	1,241.00	682.00	199.80	484.56	4.07	8,336.79
50 mph	4,435.59	338.31	1,667.13	1,396.13	767.25	224.77	242.28	2.04	9,073.49
55 mph	2,464.22	187.95	926.18	775.63	426.25	124.87	121.14	1.02	5,027.26
60 mph	1,478.53	112.77	555.71	465.38	255.75	74.92	8,479.77	71.25	11,494.07
65 mph	492.84	37.59	185.24	155.13	85.25	24.97	-	-	981.02
70 mph	22,670.79	1,729.13	8,520.88	7,135.78	3,921.51	1,148.84	-	-	45,126.92
total	49,284.32	3,758.97	18,523.64	15,512.56	8,525.02	2,497.49	12,113.95	101.78	110,317.73

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	48.68	14.26	22.27	0.26	85.47
15 mph	4,721.09	360.08	1,774.44	520.67	244.43	71.61	108.57	0.91	7,801.80
25 mph	-	-	-	-	464.23	136.00	475.08	3.99	1,079.30
35 mph	20,313.11	1,549.30	7,634.74	2,058.61	-	-	-	-	31,555.76
total	25,034.21	1,909.39	9,409.17	2,579.27	708.66	207.61	583.64	4.90	40,436.85

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	48.68	14.26	22.27	0.26	85.47
10 mph	6,451.85	492.09	2,424.95	1,053.21	482.81	141.44	201.59	1.69	11,249.63
15 mph	7,597.54	579.47	2,855.56	1,035.02	488.71	143.17	175.76	1.48	12,876.71
20 mph	5,260.05	401.19	1,977.00	873.59	403.30	118.15	376.67	3.16	9,413.12
25 mph	24,821.73	1,893.18	9,329.31	3,902.58	2,224.96	651.82	1,638.23	13.76	44,475.58
30 mph	28,191.02	2,150.16	10,595.67	4,572.06	2,090.26	612.36	1,398.81	11.75	49,622.09
35 mph	46,201.14	3,523.81	17,364.82	6,687.83	2,198.46	644.06	1,029.22	8.65	77,657.99
40 mph	12,079.24	921.30	4,540.02	2,628.95	1,329.57	389.51	1,002.25	8.42	22,899.27
45 mph	9,901.76	755.22	3,721.60	2,139.09	1,079.56	316.27	753.35	6.33	18,673.16
50 mph	10,394.60	792.81	3,906.84	2,294.21	1,164.81	341.24	679.06	5.71	19,579.27
55 mph	7,231.42	551.55	2,717.95	1,494.09	744.30	218.05	221.93	1.86	13,181.16
60 mph	11,012.95	839.97	4,139.24	1,902.31	891.84	261.27	8,580.56	72.09	27,700.24
65 mph	1,684.65	128.49	633.18	334.74	164.76	48.27	-	-	2,994.09
70 mph	22,670.79	1,729.13	8,520.88	7,135.78	3,921.51	1,148.84	-	-	45,126.92
total	193,498.72	14,758.36	72,727.00	36,053.48	17,184.85	5,034.47	16,057.44	134.91	355,449.23

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	68.20	0.07	21.04	28.93	393.73	263.96	1,188.06	2,170.76	4,134.74
15 mph	27.28	0.03	8.42	11.57	157.49	105.59	396.02	723.59	1,429.98
20 mph	54.56	0.06	16.83	23.14	314.98	211.17	792.04	1,447.17	2,859.95
25 mph	272.78	0.28	84.16	115.72	1,574.90	1,055.86	4,356.20	7,959.45	15,419.36
30 mph	300.06	0.31	92.57	127.30	1,732.39	1,161.44	3,960.18	7,235.86	14,610.12
35 mph	245.50	0.25	75.74	104.15	1,417.41	950.27	1,782.08	3,256.14	7,831.56
40 mph	81.83	0.08	25.25	34.72	472.47	316.76	1,980.09	3,617.93	6,529.13
45 mph	68.20	0.07	21.04	28.93	393.73	263.96	1,584.07	2,894.34	5,254.34
50 mph	68.20	0.07	21.04	28.93	393.73	263.96	2,574.12	4,703.31	8,053.36
55 mph	54.56	0.06	16.83	23.14	314.98	211.17	594.03	1,085.38	2,300.15
60 mph	109.11	0.11	33.66	46.29	629.96	422.34	594.03	1,085.38	2,920.89
65 mph	13.64	0.01	4.21	5.79	78.75	52.79	-	-	155.19
70 mph	-	-	-	-	-	-	-	-	-
total	1,363.92	1.42	420.79	578.62	7,874.51	5,279.29	19,800.92	36,179.30	71,498.76

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	5.64	0.01	1.74	5.00	84.43	56.60	-	-	153.41
15 mph	5.64	0.01	1.74	5.00	84.43	56.60	-	-	153.41
20 mph	5.64	0.01	1.74	5.00	84.43	56.60	1,427.85	2,608.89	4,190.16
25 mph	11.28	0.01	3.48	9.99	168.86	113.21	2,498.73	4,565.56	7,371.13
30 mph	22.56	0.02	6.96	19.99	337.71	226.41	4,283.54	7,826.68	12,723.88
35 mph	50.76	0.05	15.66	44.98	759.86	509.43	4,283.54	7,826.68	13,490.96
40 mph	56.40	0.06	17.40	49.97	844.28	566.03	3,926.58	7,174.46	12,635.19
45 mph	45.12	0.05	13.92	39.98	675.43	452.82	2,855.69	5,217.79	9,300.80
50 mph	50.76	0.05	15.66	44.98	759.86	509.43	1,427.85	2,608.89	5,417.47
55 mph	28.20	0.03	8.70	24.99	422.14	283.02	713.92	1,304.45	2,785.44
60 mph	16.92	0.02	5.22	14.99	253.29	169.81	49,974.64	91,311.28	141,746.17
65 mph	5.64	0.01	1.74	5.00	84.43	56.60	-	-	153.41
70 mph	259.45	0.27	80.04	229.87	3,883.71	2,603.74	-	-	7,057.08
total	564.02	0.59	174.01	499.72	8,442.84	5,660.31	71,392.34	130,444.69	217,178.51

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	48.22	32.32	131.25	239.82	451.61
15 mph	54.03	0.06	16.67	16.77	242.08	162.29	639.82	1,169.05	2,300.77
25 mph	-	-	-	-	459.75	308.23	2,799.83	5,115.71	8,683.52
35 mph	232.47	0.24	71.72	66.32	-	-	-	-	370.74
total	286.50	0.30	88.39	83.09	701.83	470.52	3,439.65	6,284.76	11,355.03

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	48.22	32.32	131.25	239.82	451.61
10 mph	73.84	0.08	22.78	33.93	478.15	320.57	1,188.06	2,170.76	4,288.15
15 mph	86.95	0.09	26.82	33.34	483.99	324.48	1,035.84	1,892.63	3,884.16
20 mph	60.20	0.06	18.57	28.14	399.41	267.77	2,219.88	4,056.07	7,050.11
25 mph	284.06	0.29	87.64	125.72	2,203.51	1,477.29	9,654.76	17,640.72	31,474.00
30 mph	322.62	0.34	99.53	147.29	2,070.11	1,387.86	8,243.72	15,062.54	27,334.00
35 mph	528.73	0.55	163.12	215.44	2,177.27	1,459.70	6,065.62	11,082.82	21,693.26
40 mph	138.24	0.14	42.65	84.69	1,316.75	882.79	5,906.67	10,792.39	19,164.32
45 mph	113.32	0.12	34.96	68.91	1,069.15	716.79	4,439.77	8,112.13	14,555.14
50 mph	118.96	0.12	36.70	73.91	1,153.58	773.39	4,001.97	7,312.20	13,470.83
55 mph	82.76	0.09	25.53	48.13	737.12	494.19	1,307.95	2,389.83	5,085.59
60 mph	126.03	0.13	38.88	61.28	883.25	592.15	50,568.67	92,396.66	144,667.06
65 mph	19.28	0.02	5.95	10.78	163.17	109.40	-	-	308.60
70 mph	259.45	0.27	80.04	229.87	3,883.71	2,603.74	-	-	7,057.08
total	2,214.43	2.30	683.18	1,161.43	17,019.18	11,410.13	94,632.90	172,908.75	300,032.30

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	300.95	12.32	75.83	32.64	-	-	-	144.71	566.46
15 mph	120.38	4.93	30.33	13.05	-	-	-	48.24	216.94
20 mph	240.76	9.86	60.66	26.11	-	-	-	96.47	433.87
25 mph	1,203.82	49.30	303.32	130.54	-	-	-	530.61	2,217.59
30 mph	1,324.20	54.23	333.66	143.59	-	-	-	482.37	2,338.05
35 mph	1,083.44	44.37	272.99	117.49	-	-	-	217.07	1,735.35
40 mph	361.15	14.79	91.00	39.16	-	-	-	241.19	747.28
45 mph	300.95	12.32	75.83	32.64	-	-	-	192.95	614.69
50 mph	300.95	12.32	75.83	32.64	-	-	-	313.54	735.29
55 mph	240.76	9.86	60.66	26.11	-	-	-	72.36	409.75
60 mph	481.53	19.72	121.33	52.22	-	-	-	72.36	747.15
65 mph	60.19	2.46	15.17	6.53	-	-	-	-	84.35
70 mph	-	-	-	-	-	-	-	-	-
total	6,019.09	246.50	1,516.61	652.70	-	-	-	2,411.87	10,846.78

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	24.89	1.02	6.27	5.64	-	-	-	-	37.82
15 mph	24.89	1.02	6.27	5.64	-	-	-	-	37.82
20 mph	24.89	1.02	6.27	5.64	-	-	-	173.92	211.74
25 mph	49.78	2.04	12.54	11.27	-	-	-	304.36	380.00
30 mph	99.56	4.08	25.09	22.55	-	-	-	521.76	673.04
35 mph	224.02	9.17	56.44	50.73	-	-	-	521.76	862.13
40 mph	248.91	10.19	62.72	56.37	-	-	-	478.28	856.47
45 mph	199.12	8.15	50.17	45.10	-	-	-	347.84	650.39
50 mph	224.02	9.17	56.44	50.73	-	-	-	173.92	514.29
55 mph	124.45	5.10	31.36	28.19	-	-	-	86.96	276.05
60 mph	74.67	3.06	18.81	16.91	-	-	-	6,087.22	6,200.67
65 mph	24.89	1.02	6.27	5.64	-	-	-	-	37.82
70 mph	1,144.97	46.89	288.49	259.31	-	-	-	-	1,739.66
total	2,489.06	101.93	627.16	563.71	-	-	-	8,696.02	12,477.89

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	15.99	15.99
15 mph	238.43	9.76	60.08	18.92	-	-	-	77.93	405.13
25 mph	-	-	-	-	-	-	-	341.04	341.04
35 mph	1,025.90	42.01	258.49	74.81	-	-	-	-	1,401.21
total	1,264.33	51.78	318.57	93.73	-	-	-	418.97	2,147.38

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	15.99	15.99
10 mph	325.85	13.34	82.10	38.27	-	-	-	144.71	604.28
15 mph	383.71	15.71	96.68	37.61	-	-	-	126.17	659.89
20 mph	265.65	10.88	66.94	31.75	-	-	-	270.40	645.61
25 mph	1,253.60	51.34	315.87	141.81	-	-	-	1,176.01	2,938.63
30 mph	1,423.76	58.31	358.74	166.14	-	-	-	1,004.14	3,011.09
35 mph	2,333.35	95.56	587.93	243.03	-	-	-	738.83	3,998.69
40 mph	610.05	24.98	153.71	95.53	-	-	-	719.47	1,603.75
45 mph	500.08	20.48	126.00	77.73	-	-	-	540.79	1,265.08
50 mph	524.97	21.50	132.28	83.37	-	-	-	487.46	1,249.58
55 mph	365.22	14.96	92.02	54.29	-	-	-	159.32	685.81
60 mph	556.20	22.78	140.14	69.13	-	-	-	6,159.57	6,947.82
65 mph	85.08	3.48	21.44	12.16	-	-	-	-	122.17
70 mph	1,144.97	46.89	288.49	259.31	-	-	-	-	1,739.66
total	5,985.92	245.14	1,508.25	658.61	-	-	-	3,460.25	25,472.04

World Logistics Center
Mobile Emissions - 2032 (Net) - Mitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	23635	330	0.21	4963.3	4673.7	53.5	236.0
	LDT1	15	1744	330	0.21	366.2	356.5	0.1	9.7
	LDT2	15	8727	330	0.21	1832.6	1756.6	16.5	59.5
	MDT	15	2629	330	0.21	552.2	516.7	16.6	18.8
	LHDT1	15	2310	330	0.21	485.1	243.7	241.4	0.0
	LHDT2	15	1111	330	0.21	233.2	71.4	161.8	0.0
	MHDT	15	3537	330	0.21	742.7	107.7	634.9	0.0
	HHDT	15	5897	330	0.21	1238.4	0.9	1160.1	77.3
Travel at Light Logistics	LDA	15	170	175	0.11	18.7	17.6	0.2	0.9
	LDT1	15	13	175	0.11	1.4	1.3	0.0	0.0
	LDT2	15	63	175	0.11	6.9	6.6	0.1	0.2
	MDT	15	16	175	0.11	1.7	1.6	0.1	0.1
	LHDT1	15	9	175	0.11	1.0	0.5	0.5	0.0
	LHDT2	15	4	175	0.11	0.5	0.2	0.3	0.0
	MHDT	15	11	175	0.11	1.3	0.2	1.1	0.0
	HHDT	15	19	175	0.11	2.1	0.0	2.0	0.1
Travel at Utility	LDA	15	192	100	0.06	11.5	10.9	0.1	0.5
	LDT1	15	14	100	0.06	0.9	0.8	0.0	0.0
	LDT2	15	71	100	0.06	4.3	4.1	0.0	0.1
	MDT	15	41	100	0.06	2.5	2.3	0.1	0.1
	LHDT1	15	6	100	0.06	0.4	0.2	0.2	0.0
	LHDT2	15	3	100	0.06	0.2	0.1	0.1	0.0
	MHDT	15	12	100	0.06	0.7	0.1	0.6	0.0
	HHDT	15	20	100	0.06	1.2	0.0	1.1	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	125	50	0.03	3.7	0.5	3.2	0.0
	HHDT	15	208	50	0.03	6.2	0.0	5.8	0.4
Travel at Convenience Store	LDA	15	587	50	0.03	17.6	16.6	0.2	0.8
	LDT1	15	43	50	0.03	1.3	1.3	0.0	0.0
	LDT2	15	217	50	0.03	6.5	6.2	0.1	0.2
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	83	50	0.03	2.5	2.4	0.0	0.1
	LDT1	15	6	50	0.03	0.2	0.2	0.0	0.0
	LDT2	15	31	50	0.03	0.9	0.9	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	4721.1	360.1	1774.4	520.7	244.4	71.6	108.6	0.9
Diesel	54.0	0.1	16.7	16.8	242.1	162.3	639.8	1169.0
Electric/Natural Gas (HHDT Only)	238.4	9.8	60.1	18.9	0.0	0.0	0.0	77.9

World Logistics Center
Mobile Emissions - 2032 (Net) - Mitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	1155	580	575	0	2901.6	2873.6	0.0
	LHDT2	5	555	170	385	0	850.0	1926.5	0.0
	MHDT	5	1768	257	1512	0	1282.6	7558.8	0.0
	HHDT	5	2948	2	2762	184	10.8	13811.0	920.7
Travel at Light Logistics	LHDT1	5	5	2	2	0	11.6	11.5	0.0
	LHDT2	5	2	1	2	0	3.4	7.7	0.0
	MHDT	5	6	1	5	0	4.1	24.4	0.0
	HHDT	5	10	0	9	1	0.0	44.7	3.0
Travel at Utility	LHDT1	5	3	2	2	0	7.8	7.8	0.0
	LHDT2	5	2	0	1	0	2.3	5.2	0.0
	MHDT	5	6	1	5	0	4.3	25.5	0.0
	HHDT	5	10	0	9	1	0.0	46.5	3.1
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	62	9	53	0	45.2	266.5	0.0
	HHDT	5	104	0	97	6	0.4	486.9	32.5
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	48.7	14.3	22.3	0.3
Diesel	48.2	32.3	131.3	239.8
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	16.0

World Logistics Center
Mobile Emissions - 2032 (Net) - Mitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					13.9323	14.1109	27.1363	10.8767
10 mph	0.0156	0.0356	0.0286	0.0339	0.0374	0.0294	0.0730	1.3782
15 mph	0.0104	0.0241	0.0192	0.0228	0.0252	0.0197	0.0488	0.9150
20 mph	0.0073	0.0172	0.0136	0.0161	0.0182	0.0140	0.0345	0.6439
25 mph	0.0054	0.0129	0.0101	0.0120	0.0137	0.0104	0.0253	0.4766
30 mph	0.0042	0.0101	0.0078	0.0093	0.0108	0.0081	0.0196	0.3723
35 mph	0.0034	0.0083	0.0064	0.0077	0.0090	0.0067	0.0160	0.3071
40 mph	0.0030	0.0073	0.0056	0.0067	0.0080	0.0058	0.0139	0.2676
45 mph	0.0027	0.0067	0.0051	0.0061	0.0075	0.0054	0.0127	0.2456
50 mph	0.0026	0.0064	0.0049	0.0059	0.0073	0.0052	0.0123	0.2374
55 mph	0.0027	0.0065	0.0049	0.0060	0.0075	0.0053	0.0126	0.2419
60 mph	0.0028	0.0067	0.0052	0.0063	0.0080	0.0057	0.0135	0.2586
65 mph	0.0031	0.0074	0.0057	0.0069	0.0091	0.0064		
70 mph	0.0034	0.0086	0.0059	0.0075	0.0098	0.0063		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5053	2.3680
10 mph	0.0803	0.2870	0.1961	0.0878	0.5539	0.5562	0.0328	0.0816
15 mph	0.0399	0.1719	0.0959	0.0431	0.2772	0.2785	0.0182	0.0448
20 mph	0.0164	0.1032	0.0375	0.0171	0.1164	0.1170	0.0124	0.0282
25 mph	0.0101	0.0763	0.0226	0.0105	0.0732	0.0735	0.0097	0.0230
30 mph	0.0077	0.0621	0.0171	0.0080	0.0567	0.0569	0.0079	0.0186
35 mph	0.0062	0.0530	0.0136	0.0064	0.0465	0.0465	0.0065	0.0153
40 mph	0.0052	0.0475	0.0112	0.0053	0.0396	0.0395	0.0056	0.0132
45 mph	0.0045	0.0444	0.0095	0.0046	0.0348	0.0347	0.0051	0.0121
50 mph	0.0040	0.0434	0.0083	0.0040	0.0316	0.0315	0.0052	0.0122
55 mph	0.0036	0.0446	0.0073	0.0036	0.0292	0.0291	0.0057	0.0135
60 mph	0.0035	0.0480	0.0069	0.0034	0.0290	0.0288	0.0066	0.0188
65 mph	0.0036	0.0540	0.0069	0.0035	0.0317	0.0314		
70 mph	0.0037	0.0596	0.0070	0.0038	0.0463	0.0434		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0516
10 mph								0.3976
15 mph								0.2535
20 mph								0.1658
25 mph								0.1223
30 mph								0.0928
35 mph								0.0707
40 mph								0.0543
45 mph								0.0422
50 mph								0.0335
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.2050	0.0357	0.1412	0.0672	0.0328	0.0075	0.0324	0.0051	0.5270
15 mph	0.0548	0.0097	0.0380	0.0180	0.0088	0.0020	0.0072	0.0011	0.1398
20 mph	0.0771	0.0138	0.0538	0.0256	0.0128	0.0029	0.0102	0.0016	0.1978
25 mph	0.2839	0.0516	0.1990	0.0948	0.0479	0.0106	0.0413	0.0065	0.7357
30 mph	0.2421	0.0446	0.1702	0.0814	0.0417	0.0091	0.0290	0.0046	0.6225
35 mph	0.1616	0.0301	0.1137	0.0546	0.0285	0.0062	0.0106	0.0017	0.4071
40 mph	0.0467	0.0087	0.0329	0.0158	0.0084	0.0018	0.0103	0.0017	0.1264
45 mph	0.0358	0.0067	0.0251	0.0121	0.0065	0.0014	0.0075	0.0012	0.0964
50 mph	0.0345	0.0064	0.0241	0.0117	0.0064	0.0013	0.0118	0.0019	0.0981
55 mph	0.0280	0.0052	0.0195	0.0094	0.0053	0.0011	0.0028	0.0005	0.0717
60 mph	0.0590	0.0108	0.0409	0.0198	0.0112	0.0023	0.0030	0.0005	0.1475
65 mph	0.0082	0.0015	0.0056	0.0027	0.0016	0.0003	-	-	0.0199
70 mph	-	-	-	-	-	-	-	-	-
total	1.2368	0.2246	0.8640	0.4132	0.2120	0.0467	0.1662	0.0265	3.1899

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0170	0.0029	0.0117	0.0116	0.0070	0.0016	-	-	0.0518
15 mph	0.0113	0.0020	0.0079	0.0078	0.0047	0.0011	-	-	0.0348
20 mph	0.0080	0.0014	0.0056	0.0055	0.0034	0.0008	0.0184	0.0029	0.0460
25 mph	0.0117	0.0021	0.0082	0.0082	0.0051	0.0011	0.0237	0.0037	0.0640
30 mph	0.0182	0.0034	0.0128	0.0128	0.0081	0.0018	0.0313	0.0050	0.0934
35 mph	0.0334	0.0062	0.0235	0.0236	0.0153	0.0033	0.0256	0.0041	0.1351
40 mph	0.0322	0.0060	0.0227	0.0228	0.0151	0.0032	0.0204	0.0033	0.1257
45 mph	0.0237	0.0044	0.0166	0.0167	0.0112	0.0024	0.0136	0.0022	0.0908
50 mph	0.0257	0.0048	0.0179	0.0181	0.0123	0.0026	0.0066	0.0011	0.0890
55 mph	0.0145	0.0027	0.0101	0.0102	0.0070	0.0015	0.0034	0.0005	0.0498
60 mph	0.0091	0.0017	0.0063	0.0064	0.0045	0.0009	0.2516	0.0406	0.3212
65 mph	0.0034	0.0006	0.0023	0.0024	0.0017	0.0004	-	-	0.0108
70 mph	0.1677	0.0328	0.1112	0.1187	0.0843	0.0160	-	-	0.5307
total	0.3759	0.0710	0.2568	0.2647	0.1799	0.0367	0.3945	0.0635	1.6431

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.4956	0.4438	1.3326	0.0061	3.2781
15 mph	0.1086	0.0191	0.0753	0.0262	0.0136	0.0031	0.0117	0.0018	0.2594
25 mph	-	-	-	-	0.0140	0.0031	0.0265	0.0042	0.0478
35 mph	0.1531	0.0285	0.1076	0.0348	-	-	-	-	0.3239
total	0.2617	0.0476	0.1829	0.0609	1.5232	0.4500	1.3708	0.0122	3.9092

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.4956	0.4438	1.3326	0.0061	3.2781
10 mph	0.2220	0.0386	0.1528	0.0788	0.0399	0.0092	0.0324	0.0051	0.5788
15 mph	0.1748	0.0308	0.1211	0.0520	0.0272	0.0062	0.0189	0.0030	0.4339
20 mph	0.0851	0.0152	0.0594	0.0311	0.0162	0.0036	0.0286	0.0045	0.2438
25 mph	0.2956	0.0537	0.2073	0.1030	0.0670	0.0149	0.0915	0.0145	0.8475
30 mph	0.2603	0.0479	0.1830	0.0941	0.0498	0.0109	0.0603	0.0096	0.7159
35 mph	0.3481	0.0648	0.2448	0.1130	0.0438	0.0095	0.0362	0.0059	0.8661
40 mph	0.0790	0.0147	0.0556	0.0386	0.0235	0.0050	0.0308	0.0050	0.2521
45 mph	0.0595	0.0111	0.0418	0.0288	0.0177	0.0038	0.0211	0.0034	0.1872
50 mph	0.0602	0.0112	0.0421	0.0298	0.0187	0.0039	0.0184	0.0030	0.1872
55 mph	0.0425	0.0078	0.0296	0.0196	0.0123	0.0026	0.0061	0.0010	0.1215
60 mph	0.0681	0.0124	0.0472	0.0262	0.0158	0.0033	0.2546	0.0411	0.4687
65 mph	0.0116	0.0021	0.0079	0.0051	0.0033	0.0007	-	-	0.0307
70 mph	0.1677	0.0328	0.1112	0.1187	0.0843	0.0160	-	-	0.5307
total	1.8743	0.3433	1.3037	0.7388	1.9151	0.5333	1.9315	0.1022	8.7422

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0121	0.0000	0.0091	0.0056	0.4809	0.3238	0.0860	0.3906	1.3081
15 mph	0.0024	0.0000	0.0018	0.0011	0.0963	0.0648	0.0159	0.0715	0.2538
20 mph	0.0020	0.0000	0.0014	0.0009	0.0809	0.0545	0.0217	0.0898	0.2511
25 mph	0.0061	0.0000	0.0042	0.0027	0.2541	0.1712	0.0935	0.4032	0.9350
30 mph	0.0051	0.0000	0.0035	0.0022	0.2164	0.1456	0.0688	0.2964	0.7381
35 mph	0.0034	0.0000	0.0023	0.0015	0.1453	0.0974	0.0255	0.1099	0.3853
40 mph	0.0009	0.0000	0.0006	0.0004	0.0412	0.0276	0.0243	0.1051	0.2002
45 mph	0.0007	0.0000	0.0004	0.0003	0.0302	0.0202	0.0179	0.0775	0.1472
50 mph	0.0006	0.0000	0.0004	0.0003	0.0275	0.0183	0.0292	0.1261	0.2024
55 mph	0.0004	0.0000	0.0003	0.0002	0.0203	0.0136	0.0074	0.0323	0.0745
60 mph	0.0009	0.0000	0.0005	0.0004	0.0402	0.0268	0.0087	0.0450	0.1225
65 mph	0.0001	0.0000	0.0001	0.0000	0.0055	0.0036	-	-	0.0094
70 mph	-	-	-	-	-	-	-	-	-
total	0.0346	0.0002	0.0245	0.0155	1.4387	0.9675	0.3989	1.7476	4.6275

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0010	0.0000	0.0008	0.0010	0.1031	0.0694	-	-	0.1753
15 mph	0.0005	0.0000	0.0004	0.0005	0.0516	0.0348	-	-	0.0877
20 mph	0.0002	0.0000	0.0001	0.0002	0.0217	0.0146	0.0390	0.1620	0.2378
25 mph	0.0003	0.0000	0.0002	0.0002	0.0272	0.0184	0.0536	0.2313	0.3312
30 mph	0.0004	0.0000	0.0003	0.0004	0.0422	0.0284	0.0744	0.3206	0.4666
35 mph	0.0007	0.0000	0.0005	0.0006	0.0779	0.0522	0.0613	0.2642	0.4574
40 mph	0.0006	0.0000	0.0004	0.0006	0.0737	0.0493	0.0482	0.2085	0.3813
45 mph	0.0004	0.0000	0.0003	0.0004	0.0518	0.0346	0.0323	0.1398	0.2596
50 mph	0.0004	0.0000	0.0003	0.0004	0.0530	0.0354	0.0162	0.0700	0.1757
55 mph	0.0002	0.0000	0.0001	0.0002	0.0272	0.0182	0.0089	0.0389	0.0937
60 mph	0.0001	0.0000	0.0001	0.0001	0.0162	0.0108	0.7300	3.7856	4.5429
65 mph	0.0000	0.0000	0.0000	0.0000	0.0059	0.0039	-	-	0.0099
70 mph	0.0021	0.0000	0.0012	0.0019	0.3967	0.2491	-	-	0.6511
total	0.0071	0.0001	0.0047	0.0065	0.9481	0.6190	1.0639	5.2208	7.8702

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3373	0.2262	0.1462	1.2522	1.9620
15 mph	0.0048	0.0000	0.0035	0.0016	0.1480	0.0997	0.0257	0.1155	0.3987
25 mph	-	-	-	-	0.0742	0.0500	0.0601	0.2592	0.4434
35 mph	0.0032	0.0000	0.0021	0.0009	-	-	-	-	0.0063
total	0.0079	0.0000	0.0057	0.0025	0.5595	0.3758	0.2321	1.6269	2.8104

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3373	0.2262	0.1462	1.2522	1.9620
10 mph	0.0131	0.0000	0.0098	0.0066	0.5840	0.3932	0.0860	0.3906	1.4834
15 mph	0.0077	0.0000	0.0057	0.0032	0.2958	0.1992	0.0417	0.1870	0.7402
20 mph	0.0022	0.0000	0.0015	0.0011	0.1025	0.0691	0.0607	0.2518	0.4889
25 mph	0.0063	0.0000	0.0044	0.0029	0.3555	0.2395	0.2072	0.8937	1.7096
30 mph	0.0055	0.0000	0.0037	0.0026	0.2586	0.1740	0.1431	0.6170	1.2047
35 mph	0.0072	0.0001	0.0049	0.0030	0.2232	0.1497	0.0868	0.3741	0.8490
40 mph	0.0016	0.0000	0.0011	0.0010	0.1149	0.0769	0.0725	0.3136	0.5816
45 mph	0.0011	0.0000	0.0007	0.0007	0.0819	0.0548	0.0502	0.2173	0.4068
50 mph	0.0010	0.0000	0.0007	0.0007	0.0805	0.0537	0.0455	0.1961	0.3781
55 mph	0.0007	0.0000	0.0004	0.0004	0.0475	0.0317	0.0163	0.0712	0.1682
60 mph	0.0010	0.0000	0.0006	0.0005	0.0564	0.0376	0.7387	3.8306	4.6654
65 mph	0.0002	0.0000	0.0001	0.0001	0.0114	0.0076	-	-	0.0193
70 mph	0.0021	0.0000	0.0012	0.0019	0.3967	0.2491	-	-	0.6511
total	0.0496	0.0004	0.0348	0.0245	2.9462	1.9623	1.6949	8.5953	15.3081

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1269	0.1269
15 mph								0.0270	0.0270
20 mph								0.0353	0.0353
25 mph								0.1431	0.1431
30 mph								0.0987	0.0987
35 mph								0.0338	0.0338
40 mph								0.0289	0.0289
45 mph								0.0180	0.0180
50 mph								0.0232	0.0232
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.5348	0.5348

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0636	0.0636
25 mph								0.0821	0.0821
30 mph								0.1067	0.1067
35 mph								0.0814	0.0814
40 mph								0.0573	0.0573
45 mph								0.0324	0.0324
50 mph								0.0129	0.0129
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.3338	0.3338

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0018	0.0018
15 mph								0.0436	0.0436
25 mph								0.0920	0.0920
35 mph								-	-
total	-	-	-	-	-	-	-	0.1373	0.1373

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0018	0.0018
10 mph								0.1269	0.1269
15 mph								0.0705	0.0705
20 mph								0.0989	0.0989
25 mph								0.3171	0.3171
30 mph								0.2054	0.2054
35 mph								0.1152	0.1152
40 mph								0.0861	0.0861
45 mph								0.0504	0.0504
50 mph								0.0361	0.0361
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.1084	1.1084

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3025	0.9738	0.5346	0.5839	0.9762	0.9025	0.5329	1.3188
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.3287	0.5718	1.5469	2.8134	1.5248	0.4130	0.4063	0.0084
Electric/NG	-	-	-	-	-	-	-	-
Total	**2.3287**	**0.5718**	**1.5469**	**2.8134**	**1.5248**	**0.4130**	**0.4063**	**0.0084**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2869	0.5557	0.5030	0.6661	0.0630	0.0597	0.0510	0.0564
Electric/NG	0.0316	0.0313	0.0314	0.0315	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.1043	0.1632	0.7278	1.6049	0.0492	0.0137	0.0194	0.0002
Electric/NG	0.0061	0.0002	0.0015	0.0028	-	-	-	-
Total	1.1105	0.1634	0.7293	1.6076	0.0492	0.0137	0.0194	0.0002

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1144	0.1564	0.1637	0.1919	0.0677	0.0673	0.1605	0.0014
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.8810	0.0919	0.4738	0.9246	0.1058	0.0308	0.1223	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.8810	0.0919	0.4738	0.9246	0.1058	0.0308	0.1223	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.8330	0.6699	1.4789	1.2601	5.2419
10 mph	0.2351	0.0387	0.1627	0.0853	0.6239	0.4024	0.1185	0.5226	2.1890
15 mph	0.1824	0.0308	0.1268	0.0552	0.3230	0.2054	0.0606	0.2605	1.2447
20 mph	0.0872	0.0153	0.0609	0.0322	0.1188	0.0727	0.0893	0.3552	0.8315
25 mph	0.3020	0.0538	0.2116	0.1059	0.4225	0.2544	0.2987	1.2253	2.8742
30 mph	0.2658	0.0480	0.1867	0.0967	0.3084	0.1849	0.2034	0.8321	2.1260
35 mph	0.3554	0.0648	0.2497	0.1160	0.2670	0.1592	0.1230	0.4952	1.8302
40 mph	0.0805	0.0148	0.0566	0.0396	0.1384	0.0819	0.1033	0.4047	0.9198
45 mph	0.0606	0.0111	0.0425	0.0295	0.0997	0.0585	0.0712	0.2711	0.6443
50 mph	0.0612	0.0112	0.0427	0.0304	0.0992	0.0576	0.0638	0.2351	0.6013
55 mph	0.0431	0.0079	0.0300	0.0200	0.0598	0.0343	0.0225	0.0722	0.2897
60 mph	0.0691	0.0124	0.0478	0.0267	0.0721	0.0409	0.9933	3.8718	5.1341
65 mph	0.0117	0.0021	0.0080	0.0052	0.0147	0.0082	-	-	0.0500
70 mph	0.1698	0.0328	0.1125	0.1206	0.4810	0.2651	-	-	1.1818
RL+HS	2.3287	0.5718	1.5469	2.8134	1.5248	0.4130	0.4063	0.0084	9.6134
RL+DIURN	1.1105	0.1634	0.7293	1.6076	0.0492	0.0137	0.0194	0.0002	3.6934
STREX	0.8810	0.0919	0.4738	0.9246	0.1058	0.0308	0.1223	0.0000	2.6301
total	6.2442	1.1707	4.0885	6.1089	6.5411	2.9530	4.1745	9.8145	**41.0955**

World Logistics Center
Mobile Emissions - 2032 (Net) - Mitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.2143	1.2293	2.4093	27.1797
10 mph	0.0326	0.0652	0.0555	0.0647	0.1129	0.1215	0.2300	4.7670
15 mph	0.0286	0.0564	0.0485	0.0563	0.0990	0.1062	0.2039	4.2103
20 mph	0.0257	0.0501	0.0432	0.0503	0.0907	0.0964	0.1841	3.8025
25 mph	0.0234	0.0452	0.0390	0.0455	0.0833	0.0878	0.1671	3.4817
30 mph	0.0216	0.0416	0.0359	0.0420	0.0783	0.0819	0.1538	3.2442
35 mph	0.0203	0.0391	0.0335	0.0394	0.0749	0.0777	0.1439	3.0709
40 mph	0.0194	0.0374	0.0320	0.0377	0.0724	0.0745	0.1377	2.9453
45 mph	0.0188	0.0364	0.0310	0.0366	0.0708	0.0723	0.1329	2.8655
50 mph	0.0186	0.0364	0.0307	0.0364	0.0707	0.0715	0.1313	2.8372
55 mph	0.0188	0.0374	0.0314	0.0372	0.0721	0.0725	0.1332	2.8721
60 mph	0.0196	0.0396	0.0330	0.0391	0.0747	0.0753	0.1378	2.9652
65 mph	0.0205	0.0422	0.0347	0.0413	0.0788	0.0790		
70 mph	0.0214	0.0469	0.0351	0.0439	0.0881	0.0806		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					36.8698	37.4239	29.2530	28.0026
10 mph	0.0565	0.3645	0.1260	0.0594	0.5134	0.5185	5.2142	10.7180
15 mph	0.0402	0.3479	0.0848	0.0410	0.4168	0.4257	3.6558	7.4374
20 mph	0.0289	0.3391	0.0564	0.0284	0.3921	0.3970	2.9020	5.2855
25 mph	0.0237	0.3378	0.0432	0.0228	0.3778	0.3817	2.2615	4.3582
30 mph	0.0210	0.3393	0.0363	0.0200	0.3901	0.3909	1.6886	3.2540
35 mph	0.0192	0.3395	0.0317	0.0184	0.4169	0.4117	1.2311	2.3739
40 mph	0.0181	0.3483	0.0285	0.0171	0.4392	0.4303	0.8886	1.7224
45 mph	0.0175	0.3606	0.0260	0.0162	0.4568	0.4463	0.6627	1.2926
50 mph	0.0170	0.3693	0.0242	0.0157	0.4820	0.4699	0.5548	1.0754
55 mph	0.0167	0.3850	0.0227	0.0152	0.4837	0.4743	0.5640	1.1249
60 mph	0.0168	0.4004	0.0221	0.0151	0.4929	0.4824	0.6905	1.3543
65 mph	0.0169	0.4008	0.0223	0.0156	0.5525	0.5367		
70 mph	0.0179	0.3501	0.0233	0.0185	1.0596	0.9491		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								31.0594
10 mph								2.4081
15 mph								1.7713
20 mph								1.3660
25 mph								1.1463
30 mph								1.0152
35 mph								0.9223
40 mph								0.8537
45 mph								0.8026
50 mph								0.7649
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.4279	0.0653	0.2742	0.1281	0.0989	0.0312	0.1022	0.0178	1.1457
15 mph	0.1504	0.0226	0.0957	0.0446	0.0347	0.0109	0.0302	0.0052	0.3944
20 mph	0.2701	0.0402	0.1708	0.0796	0.0636	0.0198	0.0546	0.0095	0.7082
25 mph	1.2281	0.1811	0.7705	0.3602	0.2920	0.0902	0.2724	0.0477	3.2421
30 mph	1.2508	0.1835	0.7795	0.3657	0.3019	0.0925	0.2278	0.0404	3.2421
35 mph	0.9622	0.1410	0.5959	0.2811	0.2364	0.0718	0.0960	0.0172	2.4016
40 mph	0.3062	0.0450	0.1895	0.0896	0.0761	0.0230	0.1020	0.0183	0.8496
45 mph	0.2472	0.0365	0.1533	0.0726	0.0621	0.0186	0.0788	0.0143	0.6833
50 mph	0.2444	0.0365	0.1518	0.0721	0.0619	0.0184	0.1265	0.0230	0.7345
55 mph	0.1980	0.0300	0.1242	0.0590	0.0506	0.0149	0.0296	0.0054	0.5117
60 mph	0.4122	0.0635	0.2611	0.1240	0.1048	0.0309	0.0306	0.0055	1.0327
65 mph	0.0539	0.0085	0.0342	0.0164	0.0138	0.0041	-	-	0.1308
70 mph	-	-	-	-	-	-	-	-	-
total	5.7514	0.8537	3.6007	1.6929	1.3968	0.4263	1.1507	0.2042	15.0768

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0354	0.0054	0.0227	0.0221	0.0212	0.0067	-	-	0.1135
15 mph	0.0311	0.0047	0.0198	0.0193	0.0186	0.0058	-	-	0.0993
20 mph	0.0279	0.0042	0.0177	0.0172	0.0170	0.0053	0.0984	0.0171	0.2047
25 mph	0.0508	0.0075	0.0319	0.0311	0.0313	0.0097	0.1563	0.0273	0.3458
30 mph	0.0940	0.0138	0.0586	0.0574	0.0588	0.0180	0.2464	0.0437	0.5909
35 mph	0.1990	0.0292	0.1232	0.1214	0.1267	0.0385	0.2306	0.0414	0.9099
40 mph	0.2110	0.0310	0.1306	0.1289	0.1360	0.0410	0.2023	0.0364	0.9172
45 mph	0.1636	0.0241	0.1014	0.1003	0.1065	0.0319	0.1420	0.0257	0.6955
50 mph	0.1819	0.0272	0.1130	0.1121	0.1196	0.0354	0.0702	0.0127	0.6720
55 mph	0.1024	0.0155	0.0642	0.0637	0.0678	0.0200	0.0356	0.0064	0.3756
60 mph	0.0639	0.0099	0.0405	0.0401	0.0421	0.0124	2.5772	0.4658	3.2520
65 mph	0.0223	0.0035	0.0142	0.0141	0.0148	0.0043	-	-	0.0732
70 mph	1.0683	0.1788	0.6592	0.6913	0.7618	0.2042	-	-	3.5636
total	2.2516	0.3546	1.3969	1.4191	1.5223	0.4333	3.7590	0.6765	11.8133

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1304	0.0387	0.1183	0.0153	0.3027
15 mph	0.2979	0.0448	0.1896	0.0646	0.0533	0.0168	0.0488	0.0085	0.7243
25 mph	-	-	-	-	0.0852	0.0263	0.1751	0.0306	0.3173
35 mph	0.9111	0.1336	0.5642	0.1790	-	-	-	-	1.7879
total	1.2091	0.1783	0.7538	0.2436	0.2689	0.0818	0.3422	0.0544	3.1322

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1304	0.0387	0.1183	0.0153	0.3027
10 mph	0.4633	0.0707	0.2969	0.1502	0.1202	0.0379	0.1022	0.0178	1.2592
15 mph	0.4795	0.0721	0.3051	0.1285	0.1067	0.0335	0.0790	0.0137	1.2180
20 mph	0.2980	0.0443	0.1885	0.0968	0.0807	0.0251	0.1529	0.0265	0.9129
25 mph	1.2789	0.1886	0.8024	0.3913	0.4085	0.1262	0.6038	0.1057	3.9053
30 mph	1.3448	0.1973	0.8381	0.4232	0.3607	0.1106	0.4743	0.0841	3.8330
35 mph	2.0723	0.3038	1.2833	0.5815	0.3631	0.1103	0.3266	0.0586	5.0994
40 mph	0.5172	0.0759	0.3200	0.2185	0.2121	0.0640	0.3043	0.0547	1.7668
45 mph	0.4108	0.0606	0.2548	0.1728	0.1685	0.0504	0.2208	0.0400	1.3787
50 mph	0.4263	0.0636	0.2648	0.1842	0.1815	0.0538	0.1967	0.0357	1.4065
55 mph	0.3004	0.0455	0.1884	0.1227	0.1184	0.0349	0.0652	0.0118	0.8873
60 mph	0.4761	0.0734	0.3016	0.1641	0.1469	0.0434	2.6079	0.4714	4.2847
65 mph	0.0761	0.0120	0.0484	0.0305	0.0286	0.0084	-	-	0.2040
70 mph	1.0683	0.1788	0.6592	0.6913	0.7618	0.2042	-	-	3.5636
total	9.2120	1.3867	5.7514	3.3556	3.1880	0.9414	5.2520	0.9352	30.0222

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0085	0.0001	0.0058	0.0038	0.4457	0.3018	13.6593	51.3020	65.7270
15 mph	0.0024	0.0000	0.0016	0.0010	0.1448	0.0991	3.1923	11.8664	15.3077
20 mph	0.0035	0.0000	0.0021	0.0014	0.2723	0.1848	5.0681	16.8661	22.3983
25 mph	0.0143	0.0002	0.0080	0.0058	1.3119	0.8887	21.7230	76.4883	100.4403
30 mph	0.0139	0.0002	0.0074	0.0056	1.4900	1.0011	14.7450	51.9178	69.1811
35 mph	0.0104	0.0002	0.0053	0.0042	1.3030	0.8626	4.8374	17.0441	24.0673
40 mph	0.0033	0.0001	0.0016	0.0013	0.4576	0.3006	3.8796	13.7402	18.3841
45 mph	0.0026	0.0001	0.0012	0.0010	0.3966	0.2597	2.3147	8.2494	11.2254
50 mph	0.0026	0.0001	0.0011	0.0010	0.4184	0.2735	3.1489	11.1528	14.9983
55 mph	0.0020	0.0000	0.0008	0.0008	0.3360	0.2208	0.7387	2.6923	3.9914
60 mph	0.0040	0.0001	0.0016	0.0015	0.6846	0.4492	0.9044	3.2413	5.2869
65 mph	0.0005	0.0000	0.0002	0.0002	0.0959	0.0625	-	-	0.1593
70 mph	-	-	-	-	-	-	-	-	-
total	0.0680	0.0011	0.0369	0.0278	7.3566	4.9045	74.2115	264.5607	351.1671

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0005	0.0007	0.0956	0.0647	-	-	0.1621
15 mph	0.0005	0.0000	0.0003	0.0005	0.0776	0.0531	-	-	0.1320
20 mph	0.0004	0.0000	0.0002	0.0003	0.0730	0.0495	9.1365	30.4053	39.6653
25 mph	0.0006	0.0000	0.0003	0.0005	0.1407	0.0953	12.4604	43.8740	56.5717
30 mph	0.0010	0.0000	0.0006	0.0009	0.2905	0.1951	15.9490	56.1570	72.5941
35 mph	0.0022	0.0000	0.0011	0.0018	0.6985	0.4625	11.6276	40.9683	53.7620
40 mph	0.0023	0.0000	0.0011	0.0019	0.8177	0.5371	7.6933	27.2471	36.3004
45 mph	0.0017	0.0000	0.0008	0.0014	0.6803	0.4456	4.1729	14.8717	20.1745
50 mph	0.0019	0.0000	0.0008	0.0016	0.8075	0.5278	1.7467	6.1864	9.2727
55 mph	0.0010	0.0000	0.0004	0.0008	0.4503	0.2960	0.8878	3.2357	4.8720
60 mph	0.0006	0.0000	0.0003	0.0005	0.2753	0.1806	76.0868	272.6833	349.2274
65 mph	0.0002	0.0000	0.0001	0.0002	0.1028	0.0670	-	-	0.1703
70 mph	0.0102	0.0002	0.0041	0.0094	9.0742	5.4487	-	-	14.5469
total	0.0234	0.0005	0.0106	0.0204	13.5838	8.4231	139.7609	495.6288	657.4514

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.9198	2.6674	8.4662	14.8078	29.8612
15 mph	0.0048	0.0000	0.0031	0.0015	0.2225	0.1523	5.1576	19.1718	24.7137
25 mph	-	-	-	-	0.3830	0.2594	13.9619	49.1607	63.7650
35 mph	0.0099	0.0002	0.0050	0.0027	-	-	-	-	0.0177
total	0.0146	0.0002	0.0081	0.0042	4.5252	3.0792	27.5856	83.1403	118.3576

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.9198	2.6674	8.4662	14.8078	29.8612
10 mph	0.0092	0.0001	0.0063	0.0044	0.5413	0.3665	13.6593	51.3020	65.8891
15 mph	0.0077	0.0001	0.0050	0.0030	0.4448	0.3046	8.3499	31.0383	40.1534
20 mph	0.0038	0.0000	0.0023	0.0018	0.3453	0.2344	14.2046	47.2714	62.0636
25 mph	0.0149	0.0002	0.0084	0.0063	1.8355	1.2434	48.1453	169.5230	220.7770
30 mph	0.0150	0.0003	0.0080	0.0065	1.7804	1.1962	30.6940	108.0749	141.7752
35 mph	0.0224	0.0004	0.0114	0.0087	2.0015	1.3251	16.4651	58.0124	77.8470
40 mph	0.0055	0.0001	0.0027	0.0032	1.2752	0.8376	11.5728	40.9873	54.6845
45 mph	0.0044	0.0001	0.0020	0.0025	1.0768	0.7053	6.4877	23.1212	31.3999
50 mph	0.0045	0.0001	0.0020	0.0026	1.2259	0.8013	4.8955	17.3392	24.2710
55 mph	0.0030	0.0001	0.0013	0.0016	0.7863	0.5168	1.6265	5.9279	8.8635
60 mph	0.0047	0.0001	0.0019	0.0020	0.9599	0.6299	76.9912	275.9245	354.5142
65 mph	0.0007	0.0000	0.0003	0.0004	0.1988	0.1295	-	-	0.3296
70 mph	0.0102	0.0002	0.0041	0.0094	9.0742	5.4487	-	-	14.5469
total	0.1060	0.0018	0.0556	0.0524	25.4657	16.4068	241.5580	843.3298	1,126.9761

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.7684	0.7684
15 mph								0.1884	0.1884
20 mph								0.2906	0.2906
25 mph								1.3412	1.3412
30 mph								1.0798	1.0798
35 mph								0.4414	0.4414
40 mph								0.4540	0.4540
45 mph								0.3415	0.3415
50 mph								0.5288	0.5288
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.4341	5.4341

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.5238	0.5238
25 mph								0.7693	0.7693
30 mph								1.1679	1.1679
35 mph								1.0610	1.0610
40 mph								0.9004	0.9004
45 mph								0.6156	0.6156
50 mph								0.2933	0.2933
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.5221	3.5221

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.0949	1.0949
15 mph								0.3044	0.3044
25 mph								0.8620	0.8620
35 mph								-	-
total	-	-	-	-	-	-	-	2.2613	2.2613

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.0949	1.0949
10 mph								0.7684	0.7684
15 mph								0.4928	0.4928
20 mph								0.8144	0.8144
25 mph								2.9724	2.9724
30 mph								2.2477	2.2477
35 mph								1.5025	1.5025
40 mph								1.3544	1.3544
45 mph								0.9570	0.9570
50 mph								0.8221	0.8221
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	13.0267	13.0267

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	4.0501	2.7061	8.5845	15.9180	31.2587
10 mph	0.4725	0.0708	0.3032	0.1547	0.6614	0.4044	13.7615	52.0882	67.9168
15 mph	0.4872	0.0721	0.3101	0.1315	0.5515	0.3381	8.4290	31.5448	41.8642
20 mph	0.3018	0.0444	0.1908	0.0986	0.4260	0.2595	14.3575	48.1124	63.7910
25 mph	1.2937	0.1888	0.8107	0.3976	2.2440	1.3697	48.7490	172.6012	227.6547
30 mph	1.3598	0.1976	0.8460	0.4297	2.1412	1.3068	31.1682	110.4067	147.8559
35 mph	2.0948	0.3042	1.2947	0.5902	2.3646	1.4354	16.7917	59.5734	84.4489
40 mph	0.5228	0.0761	0.3227	0.2217	1.4874	0.9016	11.8771	42.3964	57.8057
45 mph	0.4151	0.0607	0.2568	0.1753	1.2454	0.7558	6.7085	24.1182	33.7357
50 mph	0.4307	0.0637	0.2668	0.1868	1.4074	0.8550	5.0922	18.1970	26.4996
55 mph	0.3034	0.0456	0.1897	0.1243	0.9046	0.5517	1.6917	5.9397	9.7508
60 mph	0.4808	0.0735	0.3035	0.1661	1.1068	0.6733	79.5991	276.3959	358.7989
65 mph	0.0769	0.0120	0.0487	0.0309	0.2274	0.1379	-	-	0.5336
70 mph	1.0785	0.1790	0.6633	0.7007	9.8360	5.6529	-	-	18.1105
STREX	0.9797	0.0912	0.4625	0.8840	0.5712	0.1732	9.9394	20.1563	33.2573
total	10.2977	1.4796	6.2695	4.2920	29.2249	17.5213	256.7493	877.4480	**1,203.2823**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1272	0.1552	0.1598	0.1835	0.3657	0.3784	0.3268	0.1097
Diesel	-	-	-	-	-	-	2.1568	2.4553
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.9797	0.0912	0.4625	0.8840	0.5712	0.1732	0.2492	0.0007
Diesel	-	-	-	-	-	-	9.6902	20.1556
Electric/NG	-	-	-	-	-	-	-	-
Total	0.9797	0.0912	0.4625	0.8840	0.5712	0.1732	9.9394	20.1563

World Logistics Center
Mobile Emissions - 2032 (Net) - Mitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					154.8536	155.0131	387.5808	273.9545
10 mph	0.7567	1.0761	0.9908	1.0455	0.5061	0.3695	0.7077	49.7809
15 mph	0.6898	0.9713	0.9007	0.9484	0.4282	0.3273	0.6443	45.2283
20 mph	0.6315	0.8838	0.8228	0.8660	0.3778	0.2947	0.5907	41.2969
25 mph	0.5790	0.8057	0.7522	0.7919	0.3345	0.2656	0.5362	37.8061
30 mph	0.5324	0.7380	0.6899	0.7271	0.3019	0.2414	0.4867	34.7155
35 mph	0.4913	0.6797	0.6349	0.6705	0.2782	0.2217	0.4452	32.0114
40 mph	0.4555	0.6304	0.5885	0.6219	0.2610	0.2064	0.4139	29.6951
45 mph	0.4249	0.5884	0.5489	0.5802	0.2484	0.1934	0.3832	27.6213
50 mph	0.3962	0.5511	0.5117	0.5419	0.2403	0.1822	0.3581	25.7701
55 mph	0.3686	0.5153	0.4767	0.5055	0.2387	0.1746	0.3384	24.1239
60 mph	0.3376	0.4754	0.4377	0.4649	0.2412	0.1688	0.3194	22.6108
65 mph	0.3125	0.4447	0.4059	0.4325	0.2567	0.1683		
70 mph	0.3050	0.4539	0.3926	0.4254	0.2588	0.1493		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	21.3912	34.9610
10 mph	2.1010	2.2461	1.9431	2.3161	2.4021	2.4318	0.4890	1.3603
15 mph	1.0284	1.2726	0.9494	1.1315	1.2027	1.2168	0.2647	0.7283
20 mph	0.4046	0.6952	0.3702	0.4423	0.5114	0.5164	0.1768	0.4501
25 mph	0.2451	0.5047	0.2226	0.2672	0.3254	0.3282	0.1351	0.3571
30 mph	0.1862	0.4158	0.1683	0.2029	0.2558	0.2575	0.1037	0.2740
35 mph	0.1490	0.3609	0.1340	0.1624	0.2144	0.2149	0.0782	0.2066
40 mph	0.1236	0.3331	0.1107	0.1344	0.1874	0.1871	0.0586	0.1553
45 mph	0.1056	0.3244	0.0939	0.1143	0.1700	0.1692	0.0449	0.1194
50 mph	0.0926	0.3311	0.0814	0.0997	0.1617	0.1604	0.0373	0.0986
55 mph	0.0827	0.3598	0.0719	0.0884	0.1572	0.1557	0.0355	0.0951
60 mph	0.0796	0.4148	0.0681	0.0842	0.1655	0.1634	0.0397	0.1055
65 mph	0.0814	0.4974	0.0686	0.0859	0.1975	0.1935		
70 mph	0.0845	0.5267	0.0695	0.0907	0.3415	0.3143		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								33.8895
10 mph								35.6601
15 mph								25.1103
20 mph								18.1626
25 mph								13.3122
30 mph								9.8129
35 mph								7.2342
40 mph								5.3339
45 mph								3.9337
50 mph								2.9022
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	9.9425	1.0785	4.8930	2.0704	0.4437	0.0949	0.3146	0.1859	19.0235
15 mph	3.6255	0.3893	1.7792	0.7512	0.1501	0.0336	0.0955	0.0563	6.8808
20 mph	6.6386	0.7086	3.2508	1.3720	0.2650	0.0606	0.1751	0.1028	12.5733
25 mph	30.4304	3.2296	14.8596	6.2730	1.1731	0.2729	0.8740	0.5177	57.6304
30 mph	30.7832	3.2541	14.9911	6.3358	1.1647	0.2727	0.7212	0.4322	57.9550
35 mph	23.2406	2.4521	11.2873	4.7800	0.8778	0.2050	0.2968	0.1793	43.3189
40 mph	7.1827	0.7581	3.4878	1.4777	0.2746	0.0636	0.3066	0.1848	13.7359
45 mph	5.5836	0.5897	2.7110	1.1490	0.2178	0.0497	0.2271	0.1375	10.6653
50 mph	5.2057	0.5523	2.5271	1.0730	0.2107	0.0468	0.3449	0.2085	10.1689
55 mph	3.8741	0.4131	1.8833	0.8009	0.1674	0.0359	0.0752	0.0450	7.2949
60 mph	7.0969	0.7624	3.4584	1.4731	0.3383	0.0694	0.0710	0.0422	13.3117
65 mph	0.8213	0.0891	0.4009	0.1713	0.0450	0.0086	-	-	1.5363
70 mph	-	-	-	-	-	-	-	-	-
total	134.4252	14.2768	65.5293	27.7275	5.3280	1.2136	3.5019	2.0924	254.0948

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.8223	0.0892	0.4047	0.3576	0.0951	0.0203	-	-	1.7893
15 mph	0.7496	0.0805	0.3679	0.3244	0.0805	0.0180	-	-	1.6209
20 mph	0.6863	0.0733	0.3361	0.2962	0.0710	0.0162	0.3156	0.1854	1.9801
25 mph	1.2584	0.1336	0.6145	0.5418	0.1258	0.0293	0.5013	0.2970	3.5015
30 mph	2.3145	0.2447	1.1271	0.9949	0.2270	0.0532	0.7801	0.4675	6.2089
35 mph	4.8053	0.5070	2.3338	2.0641	0.4706	0.1099	0.7134	0.4310	11.4352
40 mph	4.9504	0.5225	2.4038	2.1271	0.4906	0.1136	0.6080	0.3665	11.5826
45 mph	3.6943	0.3902	1.7937	1.5877	0.3736	0.0852	0.4094	0.2480	8.5821
50 mph	3.8748	0.4111	1.8810	1.6681	0.4066	0.0903	0.1913	0.1157	8.6389
55 mph	2.0026	0.2135	0.9735	0.8646	0.2243	0.0481	0.0904	0.0541	4.4711
60 mph	1.1005	0.1182	0.5363	0.4771	0.1360	0.0279	5.9723	3.5521	11.9204
65 mph	0.3396	0.0369	0.1658	0.1480	0.0482	0.0093	-	-	0.7477
70 mph	15.2448	1.7304	7.3758	6.6940	2.2380	0.3781	-	-	33.6612
total	41.8436	4.5510	20.3140	18.1455	4.9874	0.9995	9.5818	5.7172	106.1400

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	16.6234	4.8750	19.0333	0.1544	40.6861
15 mph	7.1808	0.7712	3.5239	1.0888	0.2308	0.0517	0.1542	0.0910	13.0924
25 mph	-	-	-	-	0.3425	0.0797	0.5617	0.3327	1.3166
35 mph	22.0063	2.3218	10.6878	3.0436	-	-	-	-	38.0595
total	29.1871	3.0930	14.2118	4.1324	17.1966	5.0063	19.7492	0.5782	93.1546

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	16.6234	4.8750	19.0333	0.1544	40.6861
10 mph	10.7648	1.1677	5.2977	2.4280	0.5388	0.1152	0.3146	0.1859	20.8128
15 mph	11.5559	1.2410	5.6710	2.1644	0.4614	0.1033	0.2497	0.1473	21.5941
20 mph	7.3249	0.7819	3.5868	1.6682	0.3360	0.0768	0.4907	0.2882	14.5534
25 mph	31.6888	3.3632	15.4741	6.8148	1.6413	0.3818	1.9370	1.1474	62.4485
30 mph	33.0977	3.4987	16.1183	7.3307	1.3917	0.3259	1.5013	0.8996	64.1639
35 mph	50.0522	5.2809	24.3089	9.8877	1.3485	0.3148	1.0103	0.6104	92.8137
40 mph	12.1331	1.2806	5.8916	3.6048	0.7652	0.1772	0.9146	0.5514	25.3185
45 mph	9.2779	0.9798	4.5047	2.7367	0.5913	0.1349	0.6365	0.3855	19.2474
50 mph	9.0805	0.9633	4.4081	2.7411	0.6172	0.1371	0.5362	0.3242	18.8079
55 mph	5.8767	0.6266	2.8567	1.6655	0.3917	0.0840	0.1656	0.0992	11.7660
60 mph	8.1975	0.8806	3.9947	1.9502	0.4743	0.0973	6.0432	3.5943	25.2321
65 mph	1.1610	0.1260	0.5667	0.3193	0.0932	0.0179	-	-	2.2841
70 mph	15.2448	1.7304	7.3758	6.6940	2.2380	0.3781	-	-	33.6612
total	205.4559	21.9208	100.0551	50.0054	27.5120	7.2194	32.8330	8.3878	453.3895

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.3159	0.0004	0.0901	0.1477	2.0854	1.4154	1.2809	6.5110	11.8468
15 mph	0.0619	0.0001	0.0176	0.0289	0.4177	0.2833	0.2311	1.1620	2.2025
20 mph	0.0487	0.0001	0.0137	0.0226	0.3552	0.2405	0.3089	1.4363	2.4259
25 mph	0.1474	0.0003	0.0413	0.0682	1.1301	0.7641	1.2981	6.2672	9.7168
30 mph	0.1232	0.0003	0.0344	0.0569	0.9773	0.6594	0.9056	4.3711	7.1282
35 mph	0.0806	0.0002	0.0224	0.0373	0.6702	0.4503	0.3073	1.4836	3.0519
40 mph	0.0223	0.0001	0.0062	0.0103	0.1952	0.1306	0.2559	1.2390	1.8595
45 mph	0.0159	0.0001	0.0044	0.0073	0.1476	0.0985	0.1570	0.7622	1.1929
50 mph	0.0139	0.0001	0.0038	0.0064	0.1404	0.0934	0.2115	1.0222	1.4915
55 mph	0.0100	0.0000	0.0027	0.0045	0.1092	0.0725	0.0465	0.2277	0.4731
60 mph	0.0192	0.0001	0.0051	0.0086	0.2299	0.1522	0.0520	0.2525	0.7195
65 mph	0.0024	0.0000	0.0006	0.0011	0.0343	0.0225	-	-	0.0610
70 mph	-	-	-	-	-	-	-	-	-
total	0.8614	0.0016	0.2422	0.3997	6.4925	4.3827	5.0546	24.7349	42.1696

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0261	0.0000	0.0075	0.0255	0.4472	0.3035	-	-	0.8098
15 mph	0.0128	0.0000	0.0036	0.0125	0.2239	0.1519	-	-	0.4047
20 mph	0.0050	0.0000	0.0014	0.0049	0.0952	0.0645	0.5568	2.5894	3.3172
25 mph	0.0061	0.0000	0.0017	0.0059	0.1212	0.0819	0.7446	3.5949	4.5563
30 mph	0.0093	0.0000	0.0026	0.0089	0.1905	0.1286	0.9795	4.7281	6.0474
35 mph	0.0167	0.0000	0.0046	0.0161	0.3593	0.2414	0.7386	3.5662	4.9428
40 mph	0.0154	0.0000	0.0042	0.0148	0.3488	0.2335	0.5074	2.4570	3.5811
45 mph	0.0105	0.0000	0.0029	0.0101	0.2532	0.1689	0.2830	1.3741	2.1028
50 mph	0.0104	0.0000	0.0028	0.0099	0.2710	0.1802	0.1173	0.5670	1.1586
55 mph	0.0051	0.0000	0.0014	0.0049	0.1463	0.0972	0.0559	0.2737	0.5845
60 mph	0.0030	0.0000	0.0008	0.0028	0.0925	0.0612	4.3723	21.2414	25.7739
65 mph	0.0010	0.0000	0.0003	0.0009	0.0368	0.0242	-	-	0.0631
70 mph	0.0483	0.0003	0.0123	0.0460	2.9242	1.8045	-	-	4.8356
total	0.1697	0.0006	0.0461	0.1632	5.5099	3.5413	8.3553	40.3917	58.1777

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.7961	1.8746	6.1909	18.4874	29.3488
15 mph	0.1225	0.0002	0.0349	0.0418	0.6420	0.4354	0.3734	1.8774	3.5276
25 mph	-	-	-	-	0.3299	0.2231	0.8343	4.0280	5.4154
35 mph	0.0764	0.0002	0.0212	0.0237	-	-	-	-	0.1215
total	0.1989	0.0003	0.0561	0.0656	3.7680	2.5331	7.3986	24.3928	38.4133

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.7961	1.8746	6.1909	18.4874	29.3488
10 mph	0.3421	0.0004	0.0976	0.1733	2.5326	1.7189	1.2809	6.5110	12.6567
15 mph	0.1972	0.0003	0.0562	0.0832	1.2836	0.8706	0.6046	3.0394	6.1349
20 mph	0.0537	0.0001	0.0152	0.0274	0.4504	0.3049	0.8656	4.0257	5.7431
25 mph	0.1535	0.0003	0.0430	0.0741	1.5812	1.0691	2.8771	13.8901	19.6884
30 mph	0.1324	0.0003	0.0369	0.0659	1.1678	0.7880	1.8851	9.0992	13.1756
35 mph	0.1737	0.0004	0.0482	0.0771	1.0295	0.6916	1.0459	5.0498	8.1162
40 mph	0.0377	0.0001	0.0104	0.0251	0.5440	0.3641	0.7632	3.6960	5.4406
45 mph	0.0264	0.0001	0.0072	0.0174	0.4007	0.2674	0.4400	2.1364	3.2956
50 mph	0.0243	0.0001	0.0066	0.0162	0.4114	0.2736	0.3288	1.5892	2.6501
55 mph	0.0151	0.0001	0.0040	0.0094	0.2554	0.1697	0.1024	0.5014	1.0575
60 mph	0.0221	0.0001	0.0058	0.0114	0.3224	0.2134	4.4242	21.4939	26.4934
65 mph	0.0035	0.0000	0.0009	0.0020	0.0710	0.0467	-	-	0.1241
70 mph	0.0483	0.0003	0.0123	0.0460	2.9242	1.8045	-	-	4.8356
total	1.2299	0.0026	0.3444	0.6285	15.7703	10.4570	20.8086	89.5193	138.7606

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								11.3788	11.3788
15 mph								2.6708	2.6708
20 mph								3.8637	3.8637
25 mph								15.5753	15.5753
30 mph								10.4374	10.4374
35 mph								3.4625	3.4625
40 mph								2.8367	2.8367
45 mph								1.6736	1.6736
50 mph								2.0065	2.0065
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	53.9053	53.9053

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								6.9653	6.9653
25 mph								8.9341	8.9341
30 mph								11.2896	11.2896
35 mph								8.3228	8.3228
40 mph								5.6252	5.6252
45 mph								3.0171	3.0171
50 mph								1.1130	1.1130
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	35.5117	35.5117

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.1947	1.1947
15 mph								4.3151	4.3151
25 mph								10.0106	10.0106
35 mph								-	-
total	-	-	-	-	-	-	-	15.5203	15.5203

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.1947	1.1947
10 mph								11.3788	11.3788
15 mph								6.9859	6.9859
20 mph								10.8289	10.8289
25 mph								34.5200	34.5200
30 mph								21.7270	21.7270
35 mph								11.7853	11.7853
40 mph								8.4619	8.4619
45 mph								4.6908	4.6908
50 mph								3.1194	3.1194
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	114.6927	114.6927

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	19.4194	6.7495	25.2241	19.8365	71.2296
10 mph	11.1069	1.1680	5.3953	2.6013	3.0714	1.8341	1.5955	18.0757	44.8482
15 mph	11.7531	1.2413	5.7272	2.2476	1.7450	0.9739	0.8543	10.1725	34.7149
20 mph	7.3786	0.7820	3.6020	1.6956	0.7864	0.3817	1.3563	15.1428	31.1254
25 mph	31.8424	3.3635	15.5171	6.8888	3.2225	1.4509	4.8141	49.5574	116.6568
30 mph	33.2301	3.4990	16.1552	7.3965	2.5595	1.1139	3.3864	31.7258	99.0665
35 mph	50.2259	5.2813	24.3571	9.9648	2.3779	1.0065	2.0561	17.4455	112.7152
40 mph	12.1708	1.2807	5.9020	3.6299	1.3091	0.5414	1.6779	12.7092	39.2210
45 mph	9.3043	0.9799	4.5119	2.7541	0.9921	0.4023	1.0765	7.2127	27.2338
50 mph	9.1048	0.9634	4.4147	2.7573	1.0286	0.4107	0.8650	5.0328	24.5774
55 mph	5.8918	0.6267	2.8608	1.6748	0.6472	0.2537	0.2680	0.6006	12.8235
60 mph	8.2196	0.8807	4.0005	1.9616	0.7967	0.3106	10.4675	25.0882	51.7254
65 mph	1.1644	0.1260	0.5676	0.3213	0.1643	0.0646	-	-	2.4082
70 mph	15.2932	1.7308	7.3881	6.7399	5.1622	2.1826	-	-	38.4968
STREX	12.5449	1.0083	6.0733	10.7785	2.2960	0.6539	2.4588	0.0316	35.8454
total	219.2308	22.9317	106.4727	61.4124	45.5784	18.3304	56.1004	212.6314	**742.6882**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.6293	1.7170	2.0987	2.2368	1.4700	1.4292	3.2254	4.9389
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	12.5449	1.0083	6.0733	10.7785	2.2960	0.6539	2.4588	0.0316
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	12.5449	1.0083	6.0733	10.7785	2.2960	0.6539	2.4588	0.0316

World Logistics Center
Mobile Emissions - 2032 (Net) - Mitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0510	0.0510	0.1287	0.1977
10 mph	0.0041	0.0048	0.0049	0.0060	0.0134	0.0154	0.0274	0.0322
15 mph	0.0034	0.0039	0.0040	0.0049	0.0109	0.0126	0.0224	0.0264
20 mph	0.0028	0.0033	0.0033	0.0041	0.0091	0.0105	0.0186	0.0220
25 mph	0.0024	0.0028	0.0028	0.0035	0.0078	0.0089	0.0159	0.0188
30 mph	0.0021	0.0025	0.0025	0.0031	0.0069	0.0079	0.0142	0.0167
35 mph	0.0020	0.0023	0.0023	0.0029	0.0064	0.0074	0.0131	0.0155
40 mph	0.0019	0.0022	0.0023	0.0028	0.0062	0.0071	0.0127	0.0150
45 mph	0.0019	0.0022	0.0023	0.0028	0.0062	0.0071	0.0128	0.0150
50 mph	0.0020	0.0023	0.0023	0.0029	0.0064	0.0074	0.0131	0.0154
55 mph	0.0020	0.0024	0.0024	0.0030	0.0066	0.0077	0.0137	0.0160
60 mph	0.0021	0.0025	0.0025	0.0031	0.0069	0.0080	0.0142	0.0166
65 mph	0.0022	0.0025	0.0026	0.0032	0.0071	0.0082		
70 mph	0.0022	0.0026	0.0026	0.0032	0.0072	0.0083		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0318	0.0514	0.0532	0.0475
10 mph	0.0033	0.0070	0.0045	0.0055	0.0082	0.0092	0.0160	0.0246
15 mph	0.0027	0.0058	0.0037	0.0047	0.0054	0.0061	0.0126	0.0184
20 mph	0.0022	0.0047	0.0030	0.0039	0.0046	0.0052	0.0108	0.0156
25 mph	0.0019	0.0040	0.0025	0.0033	0.0041	0.0047	0.0094	0.0131
30 mph	0.0016	0.0034	0.0022	0.0029	0.0037	0.0042	0.0082	0.0115
35 mph	0.0015	0.0031	0.0020	0.0026	0.0037	0.0042	0.0074	0.0104
40 mph	0.0014	0.0028	0.0019	0.0024	0.0036	0.0041	0.0068	0.0095
45 mph	0.0013	0.0027	0.0018	0.0023	0.0035	0.0039	0.0064	0.0090
50 mph	0.0013	0.0027	0.0018	0.0024	0.0037	0.0041	0.0063	0.0088
55 mph	0.0014	0.0029	0.0019	0.0025	0.0038	0.0042	0.0065	0.0091
60 mph	0.0015	0.0031	0.0020	0.0027	0.0039	0.0042	0.0069	0.0097
65 mph	0.0017	0.0035	0.0023	0.0030	0.0039	0.0042		
70 mph	0.0019	0.0036	0.0024	0.0033	0.0040	0.0043		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0540	0.0048	0.0241	0.0119	0.0117	0.0040	0.0122	0.0001	0.1227
15 mph	0.0176	0.0016	0.0079	0.0039	0.0038	0.0013	0.0033	0.0000	0.0394
20 mph	0.0293	0.0026	0.0131	0.0065	0.0064	0.0021	0.0055	0.0001	0.0656
25 mph	0.1255	0.0112	0.0560	0.0276	0.0272	0.0092	0.0260	0.0003	0.2829
30 mph	0.1225	0.0110	0.0547	0.0270	0.0266	0.0090	0.0210	0.0002	0.2718
35 mph	0.0929	0.0083	0.0415	0.0205	0.0201	0.0068	0.0088	0.0001	0.1990
40 mph	0.0300	0.0027	0.0134	0.0066	0.0065	0.0022	0.0094	0.0001	0.0709
45 mph	0.0251	0.0023	0.0112	0.0055	0.0054	0.0018	0.0076	0.0001	0.0591
50 mph	0.0259	0.0023	0.0115	0.0057	0.0056	0.0019	0.0127	0.0001	0.0657
55 mph	0.0215	0.0019	0.0096	0.0047	0.0047	0.0016	0.0030	0.0000	0.0471
60 mph	0.0443	0.0040	0.0198	0.0098	0.0097	0.0033	0.0032	0.0000	0.0941
65 mph	0.0057	0.0005	0.0025	0.0013	0.0012	0.0004	-	-	0.0117
70 mph	-	-	-	-	-	-	-	-	-
total	0.5944	0.0532	0.2653	0.1309	0.1289	0.0435	0.1126	0.0011	1.3300

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0045	0.0004	0.0020	0.0021	0.0025	0.0008	-	-	0.0123
15 mph	0.0036	0.0003	0.0016	0.0017	0.0021	0.0007	-	-	0.0100
20 mph	0.0030	0.0003	0.0014	0.0014	0.0017	0.0006	0.0100	0.0001	0.0184
25 mph	0.0052	0.0005	0.0023	0.0024	0.0029	0.0010	0.0149	0.0001	0.0293
30 mph	0.0092	0.0008	0.0041	0.0042	0.0052	0.0017	0.0227	0.0002	0.0482
35 mph	0.0192	0.0017	0.0086	0.0088	0.0108	0.0036	0.0211	0.0002	0.0741
40 mph	0.0207	0.0019	0.0092	0.0095	0.0116	0.0039	0.0187	0.0002	0.0757
45 mph	0.0166	0.0015	0.0074	0.0077	0.0093	0.0031	0.0136	0.0001	0.0595
50 mph	0.0193	0.0017	0.0086	0.0089	0.0108	0.0036	0.0070	0.0001	0.0600
55 mph	0.0111	0.0010	0.0050	0.0051	0.0062	0.0021	0.0036	0.0000	0.0342
60 mph	0.0069	0.0006	0.0031	0.0032	0.0039	0.0013	0.2656	0.0026	0.2872
65 mph	0.0023	0.0002	0.0011	0.0011	0.0013	0.0005	-	-	0.0065
70 mph	0.1095	0.0098	0.0489	0.0511	0.0624	0.0210	-	-	0.3027
total	0.2312	0.0207	0.1032	0.1072	0.1308	0.0441	0.3773	0.0037	1.0181

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0055	0.0016	0.0063	0.0001	0.0135
15 mph	0.0349	0.0031	0.0156	0.0056	0.0059	0.0020	0.0054	0.0001	0.0726
25 mph	-	-	-	-	0.0079	0.0027	0.0167	0.0002	0.0275
35 mph	0.0880	0.0079	0.0393	0.0130	-	-	-	-	0.1482
total	0.1230	0.0110	0.0549	0.0187	0.0193	0.0063	0.0284	0.0003	0.2618

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0055	0.0016	0.0063	0.0001	0.0135
10 mph	0.0584	0.0052	0.0261	0.0139	0.0142	0.0048	0.0122	0.0001	0.1350
15 mph	0.0562	0.0050	0.0251	0.0112	0.0118	0.0040	0.0087	0.0001	0.1220
20 mph	0.0324	0.0029	0.0144	0.0078	0.0081	0.0027	0.0155	0.0002	0.0840
25 mph	0.1306	0.0117	0.0583	0.0300	0.0380	0.0128	0.0576	0.0006	0.3397
30 mph	0.1317	0.0118	0.0588	0.0312	0.0317	0.0107	0.0437	0.0004	0.3200
35 mph	0.2002	0.0179	0.0893	0.0424	0.0310	0.0104	0.0298	0.0003	0.4213
40 mph	0.0507	0.0045	0.0226	0.0161	0.0181	0.0061	0.0281	0.0003	0.1466
45 mph	0.0418	0.0037	0.0186	0.0132	0.0148	0.0050	0.0212	0.0002	0.1185
50 mph	0.0452	0.0040	0.0201	0.0146	0.0164	0.0055	0.0197	0.0002	0.1258
55 mph	0.0327	0.0029	0.0146	0.0099	0.0109	0.0037	0.0067	0.0001	0.0813
60 mph	0.0512	0.0046	0.0229	0.0130	0.0136	0.0046	0.2688	0.0026	0.3813
65 mph	0.0080	0.0007	0.0036	0.0023	0.0026	0.0009	-	-	0.0181
70 mph	0.1095	0.0098	0.0489	0.0511	0.0624	0.0210	-	-	0.3027
total	0.9486	0.0849	0.4233	0.2568	0.2791	0.0938	0.5183	0.0052	2.6099

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0005	0.0000	0.0002	0.0004	0.0072	0.0054	0.0420	0.1178	0.1734
15 mph	0.0002	0.0000	0.0001	0.0001	0.0019	0.0014	0.0110	0.0294	0.0441
20 mph	0.0003	0.0000	0.0001	0.0002	0.0032	0.0024	0.0188	0.0498	0.0748
25 mph	0.0011	0.0000	0.0005	0.0008	0.0141	0.0109	0.0902	0.2301	0.3477
30 mph	0.0011	0.0000	0.0004	0.0008	0.0141	0.0108	0.0720	0.1835	0.2828
35 mph	0.0008	0.0000	0.0003	0.0006	0.0116	0.0088	0.0289	0.0749	0.1260
40 mph	0.0002	0.0000	0.0001	0.0002	0.0038	0.0028	0.0295	0.0761	0.1127
45 mph	0.0002	0.0000	0.0001	0.0001	0.0031	0.0023	0.0224	0.0577	0.0858
50 mph	0.0002	0.0000	0.0001	0.0001	0.0032	0.0024	0.0358	0.0914	0.1332
55 mph	0.0002	0.0000	0.0001	0.0001	0.0027	0.0020	0.0085	0.0218	0.0353
60 mph	0.0004	0.0000	0.0002	0.0003	0.0054	0.0039	0.0091	0.0232	0.0424
65 mph	0.0001	0.0000	0.0000	0.0000	0.0007	0.0005	-	-	0.0013
70 mph	-	-	-	-	-	-	-	-	-
total	0.0052	0.0000	0.0022	0.0038	0.0707	0.0535	0.3682	0.9558	1.4595

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0001	0.0015	0.0012	-	-	0.0028
15 mph	0.0000	0.0000	0.0000	0.0001	0.0010	0.0008	-	-	0.0019
20 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0007	0.0339	0.0899	0.1253
25 mph	0.0000	0.0000	0.0000	0.0001	0.0015	0.0012	0.0517	0.1320	0.1865
30 mph	0.0001	0.0000	0.0000	0.0001	0.0028	0.0021	0.0779	0.1985	0.2815
35 mph	0.0002	0.0000	0.0001	0.0003	0.0062	0.0047	0.0696	0.1800	0.2610
40 mph	0.0002	0.0000	0.0001	0.0003	0.0067	0.0051	0.0585	0.1509	0.2217
45 mph	0.0001	0.0000	0.0001	0.0002	0.0052	0.0039	0.0403	0.1040	0.1538
50 mph	0.0001	0.0000	0.0001	0.0002	0.0062	0.0046	0.0199	0.0507	0.0817
55 mph	0.0001	0.0000	0.0000	0.0001	0.0036	0.0026	0.0102	0.0263	0.0429
60 mph	0.0001	0.0000	0.0000	0.0001	0.0022	0.0016	0.7649	1.9494	2.7182
65 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	-	-	0.0013
70 mph	0.0011	0.0000	0.0004	0.0017	0.0343	0.0247	-	-	0.0622
total	0.0021	0.0000	0.0009	0.0032	0.0728	0.0535	1.1269	2.8816	4.1410

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0034	0.0037	0.0154	0.0251	0.0476
15 mph	0.0003	0.0000	0.0001	0.0002	0.0029	0.0022	0.0178	0.0476	0.0710
25 mph	-	-	-	-	0.0041	0.0032	0.0580	0.1479	0.2132
35 mph	0.0008	0.0000	0.0003	0.0004	-	-	-	-	0.0015
total	0.0011	0.0000	0.0004	0.0006	0.0104	0.0090	0.0912	0.2205	0.3332

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0034	0.0037	0.0154	0.0251	0.0476
10 mph	0.0005	0.0000	0.0002	0.0004	0.0087	0.0065	0.0420	0.1178	0.1762
15 mph	0.0005	0.0000	0.0002	0.0003	0.0057	0.0044	0.0288	0.0770	0.1170
20 mph	0.0003	0.0000	0.0001	0.0002	0.0040	0.0031	0.0527	0.1397	0.2002
25 mph	0.0012	0.0000	0.0005	0.0009	0.0197	0.0152	0.1999	0.5100	0.7474
30 mph	0.0012	0.0000	0.0005	0.0009	0.0169	0.0129	0.1499	0.3821	0.5643
35 mph	0.0017	0.0000	0.0007	0.0012	0.0178	0.0136	0.0985	0.2549	0.3885
40 mph	0.0004	0.0000	0.0002	0.0005	0.0105	0.0079	0.0879	0.2270	0.3344
45 mph	0.0003	0.0000	0.0001	0.0004	0.0083	0.0062	0.0627	0.1617	0.2396
50 mph	0.0004	0.0000	0.0001	0.0004	0.0094	0.0069	0.0557	0.1420	0.2150
55 mph	0.0003	0.0000	0.0001	0.0003	0.0063	0.0046	0.0187	0.0481	0.0783
60 mph	0.0004	0.0000	0.0002	0.0004	0.0076	0.0055	0.7740	1.9725	2.7606
65 mph	0.0001	0.0000	0.0000	0.0001	0.0014	0.0010	-	-	0.0026
70 mph	0.0011	0.0000	0.0004	0.0017	0.0343	0.0247	-	-	0.0622
total	0.0083	0.0000	0.0035	0.0076	0.1539	0.1161	1.5863	4.0580	5.9336

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
15 mph								-	-
25 mph								-	-
35 mph								-	-
total	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0089	0.0053	0.0217	0.0252	0.0611
10 mph	0.0590	0.0052	0.0263	0.0143	0.0229	0.0113	0.0541	0.1180	0.3112
15 mph	0.0568	0.0050	0.0253	0.0115	0.0175	0.0084	0.0375	0.0771	0.2390
20 mph	0.0327	0.0029	0.0146	0.0081	0.0121	0.0058	0.0682	0.1399	0.2842
25 mph	0.1318	0.0117	0.0588	0.0309	0.0578	0.0280	0.2575	0.5105	1.0871
30 mph	0.1329	0.0118	0.0593	0.0321	0.0486	0.0236	0.1936	0.3825	0.8843
35 mph	0.2019	0.0179	0.0901	0.0436	0.0487	0.0240	0.1284	0.2552	0.8098
40 mph	0.0511	0.0045	0.0228	0.0166	0.0286	0.0140	0.1160	0.2273	0.4810
45 mph	0.0421	0.0037	0.0188	0.0136	0.0231	0.0112	0.0839	0.1619	0.3581
50 mph	0.0455	0.0040	0.0203	0.0150	0.0258	0.0125	0.0754	0.1422	0.3407
55 mph	0.0329	0.0029	0.0147	0.0101	0.0172	0.0082	0.0254	0.0482	0.1596
60 mph	0.0516	0.0046	0.0231	0.0133	0.0212	0.0101	1.0428	1.9752	3.1418
65 mph	0.0081	0.0007	0.0036	0.0024	0.0040	0.0019	-	-	0.0208
70 mph	0.1105	0.0098	0.0493	0.0528	0.0968	0.0457	-	-	0.3649
STREX	0.0034	0.0003	0.0015	0.0031	0.0003	0.0001	0.0002	0.0000	0.0089
total	0.9602	0.0853	0.4283	0.2675	0.4332	0.2100	2.1048	4.0631	**8.5525**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0004	0.0005	0.0005	0.0007	0.0002	0.0002	0.0003	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0034	0.0003	0.0015	0.0031	0.0003	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0034	0.0003	0.0015	0.0031	0.0003	0.0001	0.0002	0.0000

World Logistics Center
Mobile Emissions - 2032 (Net) - Mitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0384	0.0367	0.0366	0.0385
10 mph	0.0038	0.0047	0.0041	0.0041	0.0049	0.0046	0.0046	0.0049
15 mph	0.0025	0.0031	0.0027	0.0028	0.0032	0.0031	0.0031	0.0032
20 mph	0.0018	0.0022	0.0019	0.0019	0.0023	0.0022	0.0022	0.0023
25 mph	0.0013	0.0016	0.0014	0.0014	0.0017	0.0016	0.0016	0.0017
30 mph	0.0010	0.0013	0.0011	0.0011	0.0013	0.0012	0.0012	0.0013
35 mph	0.0008	0.0010	0.0009	0.0009	0.0011	0.0010	0.0010	0.0011
40 mph	0.0007	0.0009	0.0008	0.0008	0.0009	0.0009	0.0009	0.0009
45 mph	0.0007	0.0008	0.0007	0.0007	0.0009	0.0008	0.0008	0.0009
50 mph	0.0006	0.0008	0.0007	0.0007	0.0008	0.0008	0.0008	0.0008
55 mph	0.0007	0.0008	0.0007	0.0007	0.0008	0.0008	0.0008	0.0009
60 mph	0.0007	0.0009	0.0007	0.0008	0.0009	0.0009	0.0009	0.0009
65 mph	0.0008	0.0010	0.0008	0.0008	0.0010	0.0010		
70 mph	0.0009	0.0011	0.0009	0.0009	0.0011	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7943	0.7998	0.0073	0.0101
10 mph	0.0052	0.1072	0.0090	0.0045	0.0199	0.0302	0.0042	0.0108
15 mph	0.0043	0.0788	0.0077	0.0037	0.0157	0.0248	0.0033	0.0083
20 mph	0.0035	0.0606	0.0066	0.0031	0.0131	0.0209	0.0028	0.0061
25 mph	0.0029	0.0486	0.0056	0.0027	0.0110	0.0176	0.0027	0.0062
30 mph	0.0025	0.0407	0.0050	0.0023	0.0097	0.0155	0.0030	0.0068
35 mph	0.0022	0.0356	0.0045	0.0021	0.0089	0.0141	0.0036	0.0082
40 mph	0.0020	0.0326	0.0041	0.0020	0.0082	0.0129	0.0046	0.0106
45 mph	0.0019	0.0310	0.0038	0.0018	0.0077	0.0121	0.0060	0.0138
50 mph	0.0018	0.0309	0.0036	0.0017	0.0074	0.0115	0.0077	0.0178
55 mph	0.0018	0.0322	0.0034	0.0017	0.0071	0.0110	0.0099	0.0233
60 mph	0.0018	0.0349	0.0033	0.0016	0.0072	0.0109	0.0124	0.0287
65 mph	0.0019	0.0396	0.0033	0.0017	0.0077	0.0115		
70 mph	0.0019	0.0449	0.0034	0.0019	0.0112	0.0141		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0293
10 mph								0.0060
15 mph								0.0050
20 mph								0.0043
25 mph								0.0039
30 mph								0.0036
35 mph								0.0034
40 mph								0.0033
45 mph								0.0032
50 mph								0.0032
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0502	0.0047	0.0200	0.0082	0.0043	0.0012	0.0021	0.0000	0.0907
15 mph	0.0133	0.0013	0.0053	0.0022	0.0011	0.0003	0.0005	0.0000	0.0240
20 mph	0.0187	0.0018	0.0075	0.0031	0.0016	0.0004	0.0006	0.0000	0.0337
25 mph	0.0690	0.0066	0.0276	0.0113	0.0059	0.0016	0.0026	0.0000	0.1246
30 mph	0.0591	0.0056	0.0236	0.0097	0.0050	0.0014	0.0018	0.0000	0.1064
35 mph	0.0398	0.0038	0.0159	0.0065	0.0034	0.0009	0.0007	0.0000	0.0710
40 mph	0.0115	0.0011	0.0046	0.0019	0.0010	0.0003	0.0007	0.0000	0.0210
45 mph	0.0088	0.0008	0.0035	0.0014	0.0007	0.0002	0.0005	0.0000	0.0160
50 mph	0.0085	0.0008	0.0034	0.0014	0.0007	0.0002	0.0008	0.0000	0.0157
55 mph	0.0069	0.0007	0.0027	0.0011	0.0006	0.0002	0.0002	0.0000	0.0124
60 mph	0.0148	0.0014	0.0059	0.0024	0.0013	0.0004	0.0002	0.0000	0.0263
65 mph	0.0021	0.0002	0.0008	0.0003	0.0002	0.0000	-	-	0.0037
70 mph	-	-	-	-	-	-	-	-	-
total	0.3025	0.0287	0.1209	0.0496	0.0258	0.0072	0.0105	0.0001	0.5453

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0042	0.0004	0.0017	0.0014	0.0009	0.0003	-	-	0.0088
15 mph	0.0028	0.0003	0.0011	0.0009	0.0006	0.0002	-	-	0.0058
20 mph	0.0019	0.0002	0.0008	0.0007	0.0004	0.0001	0.0012	0.0000	0.0053
25 mph	0.0029	0.0003	0.0011	0.0010	0.0006	0.0002	0.0015	0.0000	0.0076
30 mph	0.0044	0.0004	0.0018	0.0015	0.0010	0.0003	0.0020	0.0000	0.0114
35 mph	0.0082	0.0008	0.0033	0.0028	0.0018	0.0005	0.0016	0.0000	0.0191
40 mph	0.0079	0.0008	0.0032	0.0027	0.0018	0.0005	0.0013	0.0000	0.0181
45 mph	0.0058	0.0006	0.0023	0.0020	0.0013	0.0004	0.0009	0.0000	0.0132
50 mph	0.0063	0.0006	0.0025	0.0022	0.0014	0.0004	0.0004	0.0000	0.0138
55 mph	0.0036	0.0003	0.0014	0.0012	0.0008	0.0002	0.0002	0.0000	0.0078
60 mph	0.0023	0.0002	0.0009	0.0008	0.0005	0.0001	0.0160	0.0001	0.0210
65 mph	0.0009	0.0001	0.0003	0.0003	0.0002	0.0001	-	-	0.0018
70 mph	0.0438	0.0041	0.0170	0.0147	0.0096	0.0026	-	-	0.0919
total	0.0949	0.0089	0.0374	0.0322	0.0209	0.0058	0.0251	0.0002	0.2254

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0041	0.0012	0.0018	0.0000	0.0071
15 mph	0.0264	0.0025	0.0106	0.0032	0.0017	0.0005	0.0007	0.0000	0.0456
25 mph	-	-	-	-	0.0017	0.0005	0.0017	0.0000	0.0039
35 mph	0.0377	0.0036	0.0150	0.0042	-	-	-	-	0.0604
total	0.0640	0.0061	0.0256	0.0073	0.0076	0.0021	0.0042	0.0000	0.1170

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0041	0.0012	0.0018	0.0000	0.0071
10 mph	0.0543	0.0051	0.0217	0.0096	0.0052	0.0014	0.0021	0.0000	0.0995
15 mph	0.0425	0.0040	0.0170	0.0063	0.0035	0.0010	0.0012	0.0000	0.0754
20 mph	0.0206	0.0020	0.0083	0.0037	0.0020	0.0006	0.0018	0.0000	0.0389
25 mph	0.0718	0.0068	0.0288	0.0123	0.0082	0.0023	0.0058	0.0001	0.1360
30 mph	0.0636	0.0060	0.0254	0.0112	0.0060	0.0017	0.0038	0.0000	0.1178
35 mph	0.0856	0.0081	0.0342	0.0135	0.0052	0.0014	0.0023	0.0000	0.1504
40 mph	0.0194	0.0018	0.0077	0.0046	0.0027	0.0008	0.0020	0.0000	0.0391
45 mph	0.0146	0.0014	0.0058	0.0034	0.0020	0.0006	0.0013	0.0000	0.0291
50 mph	0.0148	0.0014	0.0059	0.0035	0.0021	0.0006	0.0012	0.0000	0.0295
55 mph	0.0105	0.0010	0.0042	0.0023	0.0014	0.0004	0.0004	0.0000	0.0201
60 mph	0.0171	0.0016	0.0068	0.0032	0.0018	0.0005	0.0162	0.0001	0.0474
65 mph	0.0030	0.0003	0.0012	0.0006	0.0004	0.0001	-	-	0.0055
70 mph	0.0438	0.0041	0.0170	0.0147	0.0096	0.0026	-	-	0.0919
total	0.4614	0.0436	0.1839	0.0891	0.0543	0.0151	0.0398	0.0004	0.8877

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0008	0.0000	0.0004	0.0003	0.0173	0.0176	0.0111	0.0515	0.0989
15 mph	0.0003	0.0000	0.0001	0.0001	0.0054	0.0058	0.0029	0.0133	0.0279
20 mph	0.0004	0.0000	0.0002	0.0002	0.0091	0.0097	0.0050	0.0193	0.0440
25 mph	0.0017	0.0000	0.0010	0.0007	0.0382	0.0410	0.0261	0.1096	0.2184
30 mph	0.0017	0.0000	0.0010	0.0007	0.0371	0.0398	0.0259	0.1086	0.2147
35 mph	0.0012	0.0000	0.0007	0.0005	0.0277	0.0295	0.0141	0.0592	0.1329
40 mph	0.0004	0.0000	0.0002	0.0001	0.0085	0.0090	0.0200	0.0846	0.1229
45 mph	0.0003	0.0000	0.0002	0.0001	0.0067	0.0070	0.0208	0.0884	0.1235
50 mph	0.0003	0.0000	0.0002	0.0001	0.0064	0.0067	0.0438	0.1843	0.2418
55 mph	0.0002	0.0000	0.0001	0.0001	0.0049	0.0051	0.0129	0.0557	0.0791
60 mph	0.0004	0.0000	0.0002	0.0002	0.0099	0.0102	0.0162	0.0688	0.1059
65 mph	0.0001	0.0000	0.0000	0.0000	0.0013	0.0013	-	-	0.0028
70 mph	-	-	-	-	-	-	-	-	-
total	0.0077	0.0001	0.0046	0.0030	0.1727	0.1827	0.1989	0.8431	1.4128

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0000	0.0037	0.0038	-	-	0.0076
15 mph	0.0001	0.0000	0.0000	0.0000	0.0029	0.0031	-	-	0.0061
20 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0026	0.0090	0.0348	0.0489
25 mph	0.0001	0.0000	0.0000	0.0001	0.0041	0.0044	0.0150	0.0628	0.0865
30 mph	0.0001	0.0000	0.0001	0.0001	0.0072	0.0078	0.0280	0.1175	0.1608
35 mph	0.0002	0.0000	0.0002	0.0002	0.0148	0.0158	0.0339	0.1423	0.2075
40 mph	0.0003	0.0000	0.0002	0.0002	0.0153	0.0162	0.0397	0.1677	0.2394
45 mph	0.0002	0.0000	0.0001	0.0002	0.0115	0.0121	0.0375	0.1593	0.2208
50 mph	0.0002	0.0000	0.0001	0.0002	0.0124	0.0129	0.0243	0.1022	0.1523
55 mph	0.0001	0.0000	0.0001	0.0001	0.0066	0.0069	0.0155	0.0669	0.0962
60 mph	0.0001	0.0000	0.0000	0.0001	0.0040	0.0041	1.3620	5.7840	7.1543
65 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0014	-	-	0.0029
70 mph	0.0011	0.0000	0.0006	0.0009	0.0960	0.0808	-	-	0.1794
total	0.0025	0.0001	0.0015	0.0022	0.1823	0.1717	1.5650	6.6376	8.5629

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0844	0.0570	0.0021	0.0053	0.1489
15 mph	0.0005	0.0000	0.0003	0.0001	0.0084	0.0089	0.0047	0.0215	0.0444
25 mph	-	-	-	-	0.0112	0.0120	0.0168	0.0704	0.1103
35 mph	0.0011	0.0000	0.0007	0.0003	-	-	-	-	0.0022
total	0.0016	0.0000	0.0010	0.0004	0.1040	0.0779	0.0236	0.0972	0.3058

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0844	0.0570	0.0021	0.0053	0.1489
10 mph	0.0008	0.0000	0.0004	0.0003	0.0210	0.0213	0.0111	0.0515	0.1065
15 mph	0.0008	0.0000	0.0005	0.0003	0.0167	0.0178	0.0076	0.0347	0.0785
20 mph	0.0005	0.0000	0.0003	0.0002	0.0116	0.0123	0.0139	0.0541	0.0929
25 mph	0.0018	0.0000	0.0011	0.0007	0.0535	0.0574	0.0579	0.2428	0.4153
30 mph	0.0018	0.0000	0.0011	0.0008	0.0443	0.0475	0.0539	0.2261	0.3755
35 mph	0.0026	0.0000	0.0016	0.0010	0.0425	0.0452	0.0480	0.2015	0.3425
40 mph	0.0006	0.0000	0.0004	0.0004	0.0238	0.0252	0.0598	0.2522	0.3624
45 mph	0.0005	0.0000	0.0003	0.0003	0.0181	0.0191	0.0584	0.2476	0.3443
50 mph	0.0005	0.0000	0.0003	0.0003	0.0188	0.0196	0.0681	0.2865	0.3941
55 mph	0.0003	0.0000	0.0002	0.0002	0.0116	0.0120	0.0284	0.1226	0.1753
60 mph	0.0005	0.0000	0.0003	0.0002	0.0139	0.0143	1.3782	5.8527	7.2602
65 mph	0.0001	0.0000	0.0000	0.0000	0.0028	0.0028	-	-	0.0057
70 mph	0.0011	0.0000	0.0006	0.0009	0.0960	0.0808	-	-	0.1794
total	0.0119	0.0002	0.0070	0.0056	0.4590	0.4323	1.7875	7.5779	10.2815

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0019	0.0019
15 mph								0.0005	0.0005
20 mph								0.0009	0.0009
25 mph								0.0046	0.0046
30 mph								0.0038	0.0038
35 mph								0.0016	0.0016
40 mph								0.0017	0.0017
45 mph								0.0014	0.0014
50 mph								0.0022	0.0022
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0187	0.0187

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0017	0.0017
25 mph								0.0026	0.0026
30 mph								0.0042	0.0042
35 mph								0.0039	0.0039
40 mph								0.0034	0.0034
45 mph								0.0024	0.0024
50 mph								0.0012	0.0012
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0123	0.0123

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0009	0.0009
25 mph								0.0029	0.0029
35 mph								-	-
total	-	-	-	-	-	-	-	0.0048	0.0048

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0019	0.0019
15 mph								0.0014	0.0014
20 mph								0.0026	0.0026
25 mph								0.0101	0.0101
30 mph								0.0080	0.0080
35 mph								0.0055	0.0055
40 mph								0.0052	0.0052
45 mph								0.0038	0.0038
50 mph								0.0034	0.0034
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0429	0.0429

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0886	0.0582	0.0039	0.0064	0.1570
10 mph	0.0552	0.0051	0.0221	0.0100	0.0261	0.0228	0.0132	0.0534	0.2079
15 mph	0.0433	0.0040	0.0174	0.0066	0.0202	0.0187	0.0088	0.0362	0.1553
20 mph	0.0211	0.0020	0.0085	0.0039	0.0136	0.0129	0.0157	0.0567	0.1344
25 mph	0.0736	0.0069	0.0298	0.0131	0.0617	0.0597	0.0636	0.2530	0.5614
30 mph	0.0653	0.0061	0.0265	0.0120	0.0503	0.0492	0.0577	0.2342	0.5013
35 mph	0.0882	0.0082	0.0358	0.0145	0.0477	0.0467	0.0503	0.2071	0.4985
40 mph	0.0200	0.0019	0.0081	0.0050	0.0265	0.0260	0.0617	0.2574	0.4066
45 mph	0.0150	0.0014	0.0061	0.0037	0.0202	0.0197	0.0597	0.2514	0.3772
50 mph	0.0152	0.0014	0.0062	0.0038	0.0209	0.0202	0.0693	0.2899	0.4270
55 mph	0.0108	0.0010	0.0044	0.0025	0.0129	0.0124	0.0288	0.1226	0.1954
60 mph	0.0176	0.0016	0.0071	0.0034	0.0157	0.0148	1.3944	5.8529	7.3075
65 mph	0.0030	0.0003	0.0012	0.0006	0.0032	0.0029	-	-	0.0112
70 mph	0.0449	0.0041	0.0176	0.0157	0.1056	0.0834	-	-	0.2713
STREX	0.0093	0.0009	0.0036	0.0062	0.0005	0.0001	0.0003	0.0000	0.0210
total	0.4826	0.0447	0.1946	0.1010	0.5138	0.4476	1.8276	7.6212	**11.2331**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0012	0.0014	0.0012	0.0013	0.0003	0.0003	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0093	0.0009	0.0036	0.0062	0.0005	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0093	0.0009	0.0036	0.0062	0.0005	0.0001	0.0003	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	11.7600	0.8969	4.4200	1.7723	1.4804	0.4991	1.0545	0.0051
Diesel	0.1346	0.0001	0.0415	0.0571	1.5356	1.1778	6.2147	7.6742
Electric/NG	0.5939	0.0243	0.1497	0.0644	-	-	-	0.5198
Total	12.4885	0.9214	4.6112	1.8938	3.0160	1.6770	7.2692	8.1991

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	4.8631	0.3709	1.8278	1.5307	1.5873	0.5352	3.8021	0.0183
Diesel	0.0557	0.0001	0.0172	0.0493	1.6464	1.2628	22.4072	27.6695
Electric/NG	0.2456	0.0101	0.0619	0.0556	-	-	-	1.8741
Total	5.1643	0.3810	1.9069	1.6356	3.2337	1.7980	26.2093	29.5620

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.4702	0.1884	0.9284	0.2545	0.1319	0.0445	0.1832	0.0009
Diesel	0.0283	0.0000	0.0087	0.0082	0.1369	0.1050	1.0796	1.3331
Electric/NG	0.1248	0.0051	0.0314	0.0092	-	-	-	0.0903
Total	2.6232	0.1935	0.9686	0.2720	0.2688	0.1495	1.2627	1.4243

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	19.0933	1.4563	7.1762	3.5575	3.1997	1.0788	5.0398	0.0243	40.6258
Diesel	0.2185	0.0002	0.0674	0.1146	3.3189	2.5456	29.7015	36.6769	72.6436
Electric/NG	0.9643	0.0395	0.2430	0.1293	-	-	-	2.4842	3.8603
Total	20.2760	1.4960	7.4866	3.8014	6.5186	3.6244	34.7412	39.1854	**117.1297**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	107.2649
Internal	82.7428
Total	**190.0076**

World Logistics Center
Mobile Emissions - 2032 (Net) - Mitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0354	0.0338	0.0337	0.0354
10 mph	0.0035	0.0043	0.0037	0.0038	0.0045	0.0043	0.0043	0.0045
15 mph	0.0023	0.0029	0.0025	0.0025	0.0030	0.0028	0.0028	0.0030
20 mph	0.0016	0.0020	0.0017	0.0018	0.0021	0.0020	0.0020	0.0021
25 mph	0.0012	0.0015	0.0013	0.0013	0.0015	0.0015	0.0015	0.0015
30 mph	0.0009	0.0012	0.0010	0.0010	0.0012	0.0011	0.0011	0.0012
35 mph	0.0008	0.0010	0.0008	0.0008	0.0010	0.0009	0.0009	0.0010
40 mph	0.0007	0.0008	0.0007	0.0007	0.0009	0.0008	0.0008	0.0009
45 mph	0.0006	0.0008	0.0007	0.0007	0.0008	0.0007	0.0007	0.0008
50 mph	0.0006	0.0007	0.0006	0.0006	0.0008	0.0007	0.0007	0.0008
55 mph	0.0006	0.0007	0.0006	0.0007	0.0008	0.0007	0.0007	0.0008
60 mph	0.0006	0.0008	0.0007	0.0007	0.0008	0.0008	0.0008	0.0008
65 mph	0.0007	0.0009	0.0008	0.0008	0.0009	0.0009		
70 mph	0.0008	0.0010	0.0008	0.0009	0.0010	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7599	0.7652	0.0070	0.0096
10 mph	0.0050	0.1026	0.0086	0.0043	0.0190	0.0289	0.0041	0.0103
15 mph	0.0041	0.0754	0.0074	0.0036	0.0150	0.0238	0.0032	0.0080
20 mph	0.0034	0.0580	0.0063	0.0030	0.0126	0.0200	0.0027	0.0058
25 mph	0.0028	0.0465	0.0054	0.0025	0.0105	0.0169	0.0026	0.0060
30 mph	0.0024	0.0389	0.0047	0.0022	0.0093	0.0149	0.0028	0.0065
35 mph	0.0021	0.0341	0.0043	0.0020	0.0085	0.0134	0.0034	0.0079
40 mph	0.0019	0.0312	0.0039	0.0019	0.0078	0.0124	0.0044	0.0101
45 mph	0.0018	0.0297	0.0036	0.0017	0.0074	0.0116	0.0057	0.0132
50 mph	0.0017	0.0295	0.0034	0.0017	0.0071	0.0110	0.0074	0.0170
55 mph	0.0017	0.0308	0.0032	0.0016	0.0068	0.0105	0.0094	0.0223
60 mph	0.0017	0.0334	0.0032	0.0016	0.0068	0.0105	0.0118	0.0275
65 mph	0.0018	0.0379	0.0032	0.0016	0.0074	0.0110		
70 mph	0.0018	0.0430	0.0032	0.0018	0.0107	0.0135		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0280
10 mph								0.0057
15 mph								0.0048
20 mph								0.0041
25 mph								0.0037
30 mph								0.0035
35 mph								0.0033
40 mph								0.0031
45 mph								0.0030
50 mph								0.0030
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0461	0.0043	0.0184	0.0076	0.0039	0.0011	0.0019	0.0000	0.0834
15 mph	0.0122	0.0012	0.0049	0.0020	0.0010	0.0003	0.0004	0.0000	0.0221
20 mph	0.0172	0.0016	0.0069	0.0028	0.0015	0.0004	0.0006	0.0000	0.0310
25 mph	0.0634	0.0060	0.0254	0.0104	0.0054	0.0015	0.0024	0.0000	0.1146
30 mph	0.0544	0.0052	0.0217	0.0089	0.0046	0.0013	0.0017	0.0000	0.0978
35 mph	0.0366	0.0035	0.0146	0.0060	0.0031	0.0009	0.0006	0.0000	0.0652
40 mph	0.0106	0.0010	0.0042	0.0017	0.0009	0.0003	0.0006	0.0000	0.0193
45 mph	0.0081	0.0008	0.0032	0.0013	0.0007	0.0002	0.0004	0.0000	0.0147
50 mph	0.0078	0.0007	0.0031	0.0013	0.0007	0.0002	0.0007	0.0000	0.0144
55 mph	0.0063	0.0006	0.0025	0.0010	0.0005	0.0002	0.0002	0.0000	0.0114
60 mph	0.0136	0.0013	0.0054	0.0022	0.0012	0.0003	0.0002	0.0000	0.0242
65 mph	0.0019	0.0002	0.0008	0.0003	0.0002	0.0000	-	-	0.0034
70 mph	-	-	-	-	-	-	-	-	-
total	0.2782	0.0263	0.1112	0.0457	0.0237	0.0066	0.0097	0.0001	0.5014

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0038	0.0004	0.0015	0.0013	0.0008	0.0002	-	-	0.0081
15 mph	0.0025	0.0002	0.0010	0.0009	0.0006	0.0002	-	-	0.0054
20 mph	0.0018	0.0002	0.0007	0.0006	0.0004	0.0001	0.0011	0.0000	0.0048
25 mph	0.0026	0.0002	0.0010	0.0009	0.0006	0.0002	0.0014	0.0000	0.0069
30 mph	0.0041	0.0004	0.0016	0.0014	0.0009	0.0003	0.0018	0.0000	0.0105
35 mph	0.0076	0.0007	0.0030	0.0026	0.0017	0.0005	0.0015	0.0000	0.0175
40 mph	0.0073	0.0007	0.0029	0.0025	0.0016	0.0004	0.0012	0.0000	0.0166
45 mph	0.0053	0.0005	0.0021	0.0018	0.0012	0.0003	0.0008	0.0000	0.0121
50 mph	0.0058	0.0005	0.0023	0.0020	0.0013	0.0004	0.0004	0.0000	0.0127
55 mph	0.0033	0.0003	0.0013	0.0011	0.0007	0.0002	0.0002	0.0000	0.0071
60 mph	0.0021	0.0002	0.0008	0.0007	0.0005	0.0001	0.0147	0.0001	0.0193
65 mph	0.0008	0.0001	0.0003	0.0003	0.0002	0.0000	-	-	0.0017
70 mph	0.0402	0.0037	0.0157	0.0135	0.0088	0.0024	-	-	0.0845
total	0.0872	0.0082	0.0344	0.0296	0.0192	0.0053	0.0230	0.0002	0.2073

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0038	0.0011	0.0017	0.0000	0.0065
15 mph	0.0243	0.0023	0.0097	0.0029	0.0016	0.0004	0.0007	0.0000	0.0419
25 mph	-	-	-	-	0.0016	0.0004	0.0015	0.0000	0.0036
35 mph	0.0346	0.0033	0.0138	0.0038	-	-	-	-	0.0556
total	0.0589	0.0056	0.0235	0.0067	0.0070	0.0020	0.0039	0.0000	0.1075

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0038	0.0011	0.0017	0.0000	0.0065
10 mph	0.0500	0.0047	0.0200	0.0089	0.0048	0.0013	0.0019	0.0000	0.0915
15 mph	0.0390	0.0037	0.0156	0.0058	0.0032	0.0009	0.0011	0.0000	0.0693
20 mph	0.0189	0.0018	0.0076	0.0034	0.0019	0.0005	0.0017	0.0000	0.0358
25 mph	0.0660	0.0063	0.0264	0.0113	0.0076	0.0021	0.0053	0.0000	0.1251
30 mph	0.0584	0.0056	0.0234	0.0103	0.0055	0.0015	0.0035	0.0000	0.1083
35 mph	0.0787	0.0075	0.0314	0.0124	0.0048	0.0013	0.0021	0.0000	0.1383
40 mph	0.0179	0.0017	0.0071	0.0042	0.0025	0.0007	0.0018	0.0000	0.0359
45 mph	0.0134	0.0013	0.0053	0.0032	0.0019	0.0005	0.0012	0.0000	0.0268
50 mph	0.0136	0.0013	0.0054	0.0033	0.0020	0.0005	0.0011	0.0000	0.0271
55 mph	0.0096	0.0009	0.0038	0.0022	0.0013	0.0004	0.0004	0.0000	0.0185
60 mph	0.0157	0.0015	0.0063	0.0030	0.0016	0.0005	0.0149	0.0001	0.0435
65 mph	0.0027	0.0003	0.0011	0.0006	0.0003	0.0001	-	-	0.0051
70 mph	0.0402	0.0037	0.0157	0.0135	0.0088	0.0024	-	-	0.0845
total	0.4243	0.0401	0.1691	0.0820	0.0499	0.0139	0.0366	0.0003	0.8163

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0008	0.0000	0.0004	0.0003	0.0165	0.0168	0.0106	0.0493	0.0946
15 mph	0.0002	0.0000	0.0001	0.0001	0.0052	0.0055	0.0028	0.0127	0.0267
20 mph	0.0004	0.0000	0.0002	0.0002	0.0087	0.0093	0.0048	0.0185	0.0421
25 mph	0.0017	0.0000	0.0010	0.0006	0.0366	0.0393	0.0250	0.1048	0.2090
30 mph	0.0016	0.0000	0.0010	0.0006	0.0355	0.0380	0.0248	0.1039	0.2054
35 mph	0.0011	0.0000	0.0007	0.0005	0.0265	0.0282	0.0135	0.0566	0.1271
40 mph	0.0003	0.0000	0.0002	0.0001	0.0082	0.0086	0.0192	0.0809	0.1176
45 mph	0.0003	0.0000	0.0002	0.0001	0.0064	0.0067	0.0199	0.0845	0.1181
50 mph	0.0003	0.0000	0.0002	0.0001	0.0061	0.0064	0.0419	0.1763	0.2313
55 mph	0.0002	0.0000	0.0001	0.0001	0.0047	0.0049	0.0124	0.0533	0.0757
60 mph	0.0004	0.0000	0.0002	0.0002	0.0095	0.0097	0.0155	0.0658	0.1013
65 mph	0.0001	0.0000	0.0000	0.0000	0.0013	0.0013	-	-	0.0027
70 mph	-	-	-	-	-	-	-	-	-
total	0.0073	0.0001	0.0044	0.0029	0.1652	0.1748	0.1903	0.8066	1.3517

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0000	0.0035	0.0036	-	-	0.0073
15 mph	0.0001	0.0000	0.0000	0.0000	0.0028	0.0030	-	-	0.0059
20 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0025	0.0086	0.0333	0.0468
25 mph	0.0001	0.0000	0.0000	0.0001	0.0039	0.0042	0.0143	0.0601	0.0828
30 mph	0.0001	0.0000	0.0001	0.0001	0.0069	0.0074	0.0268	0.1124	0.1539
35 mph	0.0002	0.0000	0.0001	0.0002	0.0142	0.0151	0.0324	0.1362	0.1985
40 mph	0.0002	0.0000	0.0002	0.0002	0.0146	0.0155	0.0380	0.1604	0.2291
45 mph	0.0002	0.0000	0.0001	0.0002	0.0110	0.0116	0.0359	0.1524	0.2113
50 mph	0.0002	0.0000	0.0001	0.0002	0.0119	0.0124	0.0233	0.0978	0.1457
55 mph	0.0001	0.0000	0.0001	0.0001	0.0063	0.0066	0.0148	0.0640	0.0920
60 mph	0.0001	0.0000	0.0000	0.0001	0.0038	0.0039	1.3031	5.5338	6.8448
65 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0014	-	-	0.0028
70 mph	0.0010	0.0000	0.0006	0.0009	0.0918	0.0773	-	-	0.1716
total	0.0024	0.0001	0.0014	0.0021	0.1745	0.1643	1.4973	6.3504	8.1924

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0808	0.0545	0.0020	0.0051	0.1425
15 mph	0.0005	0.0000	0.0003	0.0001	0.0080	0.0085	0.0045	0.0205	0.0425
25 mph	-	-	-	-	0.0107	0.0115	0.0161	0.0674	0.1056
35 mph	0.0011	0.0000	0.0007	0.0003	-	-	-	-	0.0021
total	0.0016	0.0000	0.0009	0.0004	0.0995	0.0745	0.0226	0.0930	0.2926

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0808	0.0545	0.0020	0.0051	0.1425
10 mph	0.0008	0.0000	0.0004	0.0003	0.0201	0.0204	0.0106	0.0493	0.1019
15 mph	0.0008	0.0000	0.0004	0.0003	0.0160	0.0170	0.0073	0.0332	0.0751
20 mph	0.0004	0.0000	0.0003	0.0002	0.0111	0.0118	0.0133	0.0518	0.0889
25 mph	0.0017	0.0000	0.0010	0.0007	0.0512	0.0549	0.0554	0.2323	0.3973
30 mph	0.0017	0.0000	0.0010	0.0007	0.0424	0.0455	0.0516	0.2164	0.3593
35 mph	0.0025	0.0000	0.0015	0.0010	0.0407	0.0433	0.0460	0.1928	0.3277
40 mph	0.0006	0.0000	0.0004	0.0003	0.0228	0.0241	0.0572	0.2413	0.3467
45 mph	0.0005	0.0000	0.0003	0.0003	0.0174	0.0183	0.0558	0.2369	0.3294
50 mph	0.0005	0.0000	0.0003	0.0003	0.0180	0.0188	0.0652	0.2741	0.3770
55 mph	0.0003	0.0000	0.0002	0.0002	0.0111	0.0115	0.0272	0.1173	0.1677
60 mph	0.0005	0.0000	0.0003	0.0002	0.0133	0.0137	1.3186	5.5995	6.9461
65 mph	0.0001	0.0000	0.0000	0.0000	0.0027	0.0026	-	-	0.0055
70 mph	0.0010	0.0000	0.0006	0.0009	0.0918	0.0773	-	-	0.1716
total	0.0113	0.0002	0.0067	0.0054	0.4391	0.4136	1.7102	7.2501	9.8367

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0018	0.0018
15 mph								0.0005	0.0005
20 mph								0.0009	0.0009
25 mph								0.0044	0.0044
30 mph								0.0037	0.0037
35 mph								0.0016	0.0016
40 mph								0.0017	0.0017
45 mph								0.0013	0.0013
50 mph								0.0021	0.0021
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0179	0.0179

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0016	0.0016
25 mph								0.0025	0.0025
30 mph								0.0040	0.0040
35 mph								0.0037	0.0037
40 mph								0.0033	0.0033
45 mph								0.0023	0.0023
50 mph								0.0012	0.0012
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0118	0.0118

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0008	0.0008
25 mph								0.0028	0.0028
35 mph								-	-
total	-	-	-	-	-	-	-	0.0046	0.0046

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0018	0.0018
15 mph								0.0013	0.0013
20 mph								0.0025	0.0025
25 mph								0.0097	0.0097
30 mph								0.0077	0.0077
35 mph								0.0053	0.0053
40 mph								0.0049	0.0049
45 mph								0.0036	0.0036
50 mph								0.0032	0.0032
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0411	0.0411

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0846	0.0556	0.0037	0.0061	0.1500
10 mph	0.0508	0.0047	0.0204	0.0092	0.0248	0.0217	0.0125	0.0511	0.1952
15 mph	0.0398	0.0037	0.0161	0.0061	0.0192	0.0179	0.0084	0.0346	0.1458
20 mph	0.0194	0.0018	0.0078	0.0036	0.0129	0.0123	0.0150	0.0543	0.1271
25 mph	0.0678	0.0063	0.0275	0.0120	0.0588	0.0570	0.0607	0.2420	0.5321
30 mph	0.0601	0.0056	0.0244	0.0111	0.0479	0.0470	0.0551	0.2240	0.4753
35 mph	0.0812	0.0075	0.0330	0.0134	0.0455	0.0446	0.0481	0.1981	0.4713
40 mph	0.0184	0.0017	0.0075	0.0046	0.0253	0.0248	0.0590	0.2463	0.3876
45 mph	0.0138	0.0013	0.0056	0.0034	0.0192	0.0188	0.0571	0.2406	0.3598
50 mph	0.0140	0.0013	0.0057	0.0035	0.0200	0.0193	0.0663	0.2773	0.4074
55 mph	0.0099	0.0009	0.0040	0.0023	0.0123	0.0118	0.0276	0.1173	0.1862
60 mph	0.0162	0.0015	0.0065	0.0032	0.0150	0.0141	1.3335	5.5997	6.9896
65 mph	0.0028	0.0003	0.0011	0.0006	0.0030	0.0027	-	-	0.0106
70 mph	0.0413	0.0038	0.0162	0.0144	0.1006	0.0797	-	-	0.2561
STREX	0.0086	0.0008	0.0033	0.0057	0.0005	0.0001	0.0003	0.0000	0.0193
total	0.4442	0.0411	0.1792	0.0931	0.4896	0.4276	1.7471	7.2915	**10.7133**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0011	0.0013	0.0011	0.0012	0.0003	0.0003	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0086	0.0008	0.0033	0.0057	0.0005	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0086	0.0008	0.0033	0.0057	0.0005	0.0001	0.0003	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	4.6646	0.3558	1.7532	0.7030	0.6094	0.2066	0.4361	0.0020
Diesel	0.0534	0.0001	0.0165	0.0226	0.6209	0.4798	2.5699	2.7842
Electric/NG	0.2356	0.0096	0.0594	0.0255	-	-	-	0.1886
Total	4.9535	0.3655	1.8290	0.7512	1.2303	0.6864	3.0060	2.9748

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.9289	0.1471	0.7250	0.6071	0.6534	0.2215	1.5722	0.0071
Diesel	0.0221	0.0000	0.0068	0.0196	0.6657	0.5145	9.2658	10.0385
Electric/NG	0.0974	0.0040	0.0245	0.0221	-	-	-	0.6799
Total	2.0484	0.1511	0.7563	0.6488	1.3191	0.7360	10.8380	10.7255

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.9798	0.0747	0.3683	0.1009	0.0543	0.0184	0.0757	0.0003
Diesel	0.0112	0.0000	0.0035	0.0033	0.0553	0.0428	0.4464	0.4836
Electric/NG	0.0495	0.0020	0.0125	0.0037	-	-	-	0.0328
Total	1.0405	0.0768	0.3842	0.1079	0.1097	0.0612	0.5222	0.5167

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	7.5733	0.5776	2.8464	1.4111	1.3171	0.4465	2.0840	0.0094	16.2655
Diesel	0.0867	0.0001	0.0267	0.0455	1.3420	1.0371	12.2821	13.3064	28.1264
Electric/NG	0.3825	0.0157	0.0964	0.0513	-	-	-	0.9013	1.4471
Total	8.0425	0.5934	2.9696	1.5078	2.6591	1.4836	14.3661	14.2170	**45.8390**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	26.3286
Internal	20.3096
Total	**46.6382**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0651	0.0428	0.0028	0.0047	0.1155
10 mph	0.0325	0.0030	0.0130	0.0059	0.0191	0.0167	0.0096	0.0393	0.1393
15 mph	0.0255	0.0024	0.0103	0.0039	0.0148	0.0138	0.0065	0.0266	0.1037
20 mph	0.0124	0.0012	0.0050	0.0023	0.0100	0.0095	0.0115	0.0418	0.0937
25 mph	0.0434	0.0040	0.0176	0.0077	0.0452	0.0439	0.0467	0.1864	0.3949
30 mph	0.0385	0.0036	0.0156	0.0071	0.0369	0.0362	0.0424	0.1725	0.3528
35 mph	0.0520	0.0048	0.0211	0.0086	0.0350	0.0344	0.0370	0.1526	0.3454
40 mph	0.0118	0.0011	0.0048	0.0029	0.0195	0.0191	0.0454	0.1896	0.2942
45 mph	0.0089	0.0008	0.0036	0.0022	0.0148	0.0145	0.0440	0.1852	0.2739
50 mph	0.0090	0.0008	0.0036	0.0023	0.0154	0.0149	0.0510	0.2136	0.3105
55 mph	0.0064	0.0006	0.0026	0.0015	0.0095	0.0091	0.0212	0.0903	0.1412
60 mph	0.0104	0.0010	0.0042	0.0020	0.0115	0.0109	1.0268	4.3118	5.3785
65 mph	0.0018	0.0002	0.0007	0.0004	0.0023	0.0021	-	-	0.0075
70 mph	0.0264	0.0024	0.0104	0.0092	0.0775	0.0614	-	-	0.1874
total	0.2788	0.0258	0.1126	0.0559	0.3766	0.3292	1.3450	5.6144	8.1383

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2032 (Net) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	2,516	2.40	0.32	0.0005	1.18	0.0019	4.79
2	L	3,536	2.40	0.32	0.0005	1.65	0.0019	6.74
3	L	3,353	2.40	0.32	0.0005	1.57	0.0019	6.39
5	L	5,422	2.40	0.32	0.0005	2.54	0.0019	10.33
6	L	10,869	2.40	0.32	0.0005	5.08	0.0019	20.71
8	L	8,102	2.40	0.32	0.0005	3.79	0.0019	15.44
11	L	(1,633)	2.40	0.32	0.0005	(0.76)	0.0019	(3.11)
12	L	(2,489)	2.40	0.32	0.0005	(1.16)	0.0019	(4.74)
14	L	(1,334)	2.40	0.32	0.0005	(0.62)	0.0019	(2.54)
18	L	1,408	2.40	0.32	0.0005	0.66	0.0019	2.68
19	L	6,711	2.40	0.32	0.0005	3.14	0.0019	12.78
21	L	3,447	2.40	0.32	0.0005	1.61	0.0019	6.57
24	L	7,755	2.40	0.32	0.0005	3.63	0.0019	14.77
30	L	(7,617)	2.40	0.32	0.0005	(3.56)	0.0019	(14.51)
29	L	3,646	2.40	0.32	0.0005	1.71	0.0019	6.95
31	L	(262)	2.40	0.32	0.0005	(0.12)	0.0019	(0.50)
TOTAL						20.31		82.74

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2032 (Net) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	287,040	2.40	0.032	0.0001	16.51	0.0002	67.28
Freeway	F	339,974	2.40	0.015	0.0000	9.82	0.0001	39.99
TOTAL		627,014				26.33		107.26

World Logistics Center
Mobile Emissions - 2032 (Net) - Mitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0049	0.0068	0.0061	0.0067	0.0085	0.0095	0.0167	0.2042
15 mph	0.0043	0.0059	0.0053	0.0059	0.0074	0.0083	0.0148	0.1802
20 mph	0.0038	0.0053	0.0048	0.0053	0.0068	0.0075	0.0133	0.1622
25 mph	0.0035	0.0048	0.0043	0.0048	0.0062	0.0069	0.0121	0.1482
30 mph	0.0033	0.0044	0.0040	0.0045	0.0058	0.0064	0.0112	0.1378
35 mph	0.0031	0.0042	0.0038	0.0042	0.0055	0.0060	0.0105	0.1301
40 mph	0.0029	0.0040	0.0036	0.0040	0.0053	0.0058	0.0100	0.1244
45 mph	0.0029	0.0039	0.0035	0.0039	0.0051	0.0056	0.0097	0.1208
50 mph	0.0028	0.0039	0.0034	0.0039	0.0051	0.0055	0.0095	0.1196
55 mph	0.0029	0.0039	0.0035	0.0039	0.0052	0.0056	0.0097	0.1208
60 mph	0.0030	0.0041	0.0037	0.0041	0.0054	0.0058	0.0100	0.1247
65 mph	0.0031	0.0044	0.0038	0.0043	0.0057	0.0061	0.0105	0.1309
70 mph	0.0033	0.0048	0.0040	0.0046	0.0062	0.0063	0.0103	0.1375

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0553	0.1156	0.0741	0.0922	0.1371	0.1535	0.2663	0.3868
15 mph	0.0455	0.0961	0.0614	0.0781	0.0893	0.1019	0.2095	0.3006
20 mph	0.0373	0.0789	0.0505	0.0649	0.0762	0.0870	0.1789	0.2580
25 mph	0.0313	0.0659	0.0423	0.0549	0.0676	0.0775	0.1561	0.2160
30 mph	0.0271	0.0567	0.0366	0.0475	0.0614	0.0700	0.1371	0.1897
35 mph	0.0245	0.0508	0.0330	0.0432	0.0615	0.0701	0.1224	0.1697
40 mph	0.0229	0.0473	0.0308	0.0404	0.0599	0.0676	0.1122	0.1559
45 mph	0.0222	0.0457	0.0297	0.0389	0.0584	0.0650	0.1064	0.1482
50 mph	0.0222	0.0457	0.0297	0.0391	0.0613	0.0674	0.1050	0.1456
55 mph	0.0232	0.0478	0.0311	0.0412	0.0640	0.0697	0.1080	0.1516
60 mph	0.0252	0.0518	0.0337	0.0447	0.0646	0.0699	0.1154	0.1608
65 mph	0.0283	0.0577	0.0378	0.0502	0.0656	0.0703	0.1272	0.1743
70 mph	0.0308	0.0602	0.0406	0.0546	0.0667	0.0716	0.1284	0.1771

*US EPA Emission Factors for Greenhouse Gas Inventories. (Idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.8546
15 mph								0.7170
20 mph								0.6260
25 mph								0.5771
30 mph								0.5458
35 mph								0.5211
40 mph								0.5008
45 mph								0.4837
50 mph								0.4691
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0641	0.0068	0.0299	0.0134	0.0074	0.0024	0.0074	0.0008	0.1322
15 mph	0.0225	0.0024	0.0105	0.0047	0.0026	0.0009	0.0022	0.0002	0.0459
20 mph	0.0404	0.0042	0.0188	0.0084	0.0047	0.0015	0.0039	0.0004	0.0824
25 mph	0.1845	0.0192	0.0854	0.0380	0.0217	0.0070	0.0197	0.0020	0.3776
30 mph	0.1887	0.0196	0.0870	0.0388	0.0223	0.0072	0.0165	0.0017	0.3819
35 mph	0.1459	0.0151	0.0670	0.0300	0.0173	0.0056	0.0070	0.0007	0.2886
40 mph	0.0465	0.0048	0.0213	0.0096	0.0056	0.0018	0.0074	0.0008	0.0977
45 mph	0.0375	0.0039	0.0172	0.0077	0.0045	0.0014	0.0057	0.0006	0.0786
50 mph	0.0371	0.0039	0.0170	0.0077	0.0045	0.0014	0.0092	0.0010	0.0817
55 mph	0.0300	0.0032	0.0138	0.0062	0.0036	0.0012	0.0021	0.0002	0.0604
60 mph	0.0623	0.0066	0.0289	0.0130	0.0075	0.0024	0.0022	0.0002	0.1233
65 mph	0.0082	0.0009	0.0038	0.0017	0.0010	0.0003	-	-	0.0159
70 mph	-	-	-	-	-	-	-	-	-
total	0.8677	0.0905	0.4006	0.1791	0.1028	0.0332	0.0835	0.0087	1.7661

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0053	0.0006	0.0025	0.0023	0.0016	0.0005	-	-	0.0128
15 mph	0.0046	0.0005	0.0022	0.0020	0.0014	0.0005	-	-	0.0112
20 mph	0.0042	0.0004	0.0019	0.0018	0.0013	0.0004	0.0071	0.0007	0.0179
25 mph	0.0076	0.0008	0.0035	0.0033	0.0023	0.0008	0.0113	0.0012	0.0308
30 mph	0.0142	0.0015	0.0065	0.0061	0.0043	0.0014	0.0179	0.0019	0.0538
35 mph	0.0302	0.0031	0.0138	0.0130	0.0093	0.0030	0.0168	0.0018	0.0909
40 mph	0.0320	0.0033	0.0147	0.0138	0.0099	0.0032	0.0147	0.0015	0.0931
45 mph	0.0248	0.0026	0.0114	0.0107	0.0077	0.0025	0.0103	0.0011	0.0711
50 mph	0.0276	0.0029	0.0127	0.0119	0.0087	0.0027	0.0051	0.0005	0.0721
55 mph	0.0155	0.0016	0.0072	0.0067	0.0049	0.0015	0.0026	0.0003	0.0403
60 mph	0.0097	0.0010	0.0045	0.0042	0.0030	0.0010	0.1866	0.0196	0.2295
65 mph	0.0034	0.0004	0.0016	0.0015	0.0011	0.0003	-	-	0.0082
70 mph	0.1639	0.0183	0.0750	0.0727	0.0536	0.0159	-	-	0.3994
total	0.3430	0.0369	0.1574	0.1499	0.1092	0.0338	0.2723	0.0285	1.1310

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0014	0.0004	0.0007	0.0000	0.0025
15 mph	0.0445	0.0047	0.0208	0.0068	0.0040	0.0013	0.0035	0.0004	0.0860
25 mph	-	-	-	-	0.0063	0.0021	0.0127	0.0013	0.0224
35 mph	0.1382	0.0143	0.0634	0.0191	-	-	-	-	0.2350
total	0.1827	0.0190	0.0842	0.0259	0.0118	0.0038	0.0169	0.0017	0.3458

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0014	0.0004	0.0007	0.0000	0.0025
10 mph	0.0694	0.0073	0.0324	0.0157	0.0090	0.0030	0.0074	0.0008	0.1450
15 mph	0.0717	0.0075	0.0334	0.0134	0.0080	0.0026	0.0057	0.0006	0.1430
20 mph	0.0446	0.0047	0.0207	0.0102	0.0060	0.0020	0.0111	0.0011	0.1003
25 mph	0.1922	0.0200	0.0889	0.0413	0.0303	0.0099	0.0437	0.0045	0.4307
30 mph	0.2029	0.0210	0.0935	0.0449	0.0266	0.0086	0.0344	0.0036	0.4356
35 mph	0.3143	0.0325	0.1442	0.0620	0.0266	0.0086	0.0237	0.0025	0.6145
40 mph	0.0785	0.0081	0.0360	0.0233	0.0155	0.0050	0.0221	0.0023	0.1908
45 mph	0.0623	0.0065	0.0286	0.0184	0.0123	0.0039	0.0161	0.0017	0.1496
50 mph	0.0647	0.0068	0.0297	0.0196	0.0131	0.0042	0.0143	0.0015	0.1538
55 mph	0.0455	0.0048	0.0210	0.0130	0.0085	0.0027	0.0047	0.0005	0.1007
60 mph	0.0720	0.0077	0.0334	0.0172	0.0106	0.0034	0.1888	0.0198	0.3528
65 mph	0.0115	0.0012	0.0054	0.0032	0.0021	0.0007	-	-	0.0240
70 mph	0.1639	0.0183	0.0750	0.0727	0.0536	0.0159	-	-	0.3994
total	1.3934	0.1464	0.6422	0.3549	0.2237	0.0708	0.3727	0.0389	3.2430

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0083	0.0000	0.0034	0.0059	0.1191	0.0893	0.6977	1.8512	2.7750
15 mph	0.0027	0.0000	0.0011	0.0020	0.0310	0.0237	0.1829	0.4796	0.7231
20 mph	0.0045	0.0000	0.0019	0.0033	0.0529	0.0405	0.3125	0.8234	1.2390
25 mph	0.0188	0.0000	0.0079	0.0140	0.2346	0.1804	1.4997	3.7908	5.7463
30 mph	0.0179	0.0000	0.0075	0.0133	0.2346	0.1792	1.1970	3.0269	4.6764
35 mph	0.0133	0.0000	0.0055	0.0099	0.1923	0.1468	0.4811	1.2187	2.0677
40 mph	0.0041	0.0000	0.0017	0.0031	0.0624	0.0472	0.4899	1.2439	1.8524
45 mph	0.0033	0.0000	0.0014	0.0025	0.0507	0.0378	0.3715	0.9458	1.4130
50 mph	0.0033	0.0000	0.0014	0.0025	0.0532	0.0393	0.5957	1.5102	2.2056
55 mph	0.0028	0.0000	0.0012	0.0021	0.0444	0.0325	0.1415	0.3628	0.5872
60 mph	0.0061	0.0000	0.0025	0.0046	0.0897	0.0651	0.1511	0.3848	0.7040
65 mph	0.0009	0.0000	0.0004	0.0006	0.0114	0.0082	-	-	0.0214
70 mph	-	-	-	-	-	-	-	-	-
total	0.0861	0.0002	0.0358	0.0638	1.1763	0.8900	6.1206	15.6382	24.0110

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0003	0.0010	0.0255	0.0192	-	-	0.0467
15 mph	0.0006	0.0000	0.0002	0.0009	0.0166	0.0127	-	-	0.0310
20 mph	0.0005	0.0000	0.0002	0.0007	0.0142	0.0109	0.5633	1.4844	2.0741
25 mph	0.0008	0.0000	0.0003	0.0012	0.0252	0.0193	0.8602	2.1744	3.0815
30 mph	0.0013	0.0000	0.0006	0.0021	0.0457	0.0349	1.2947	3.2740	4.6534
35 mph	0.0027	0.0000	0.0011	0.0043	0.1031	0.0787	1.1565	2.9295	4.2759
40 mph	0.0029	0.0000	0.0012	0.0045	0.1115	0.0843	0.9715	2.4668	3.6426
45 mph	0.0022	0.0000	0.0009	0.0034	0.0870	0.0649	0.6697	1.7050	2.5331
50 mph	0.0025	0.0000	0.0010	0.0039	0.1027	0.0758	0.3304	0.8377	1.3540
55 mph	0.0014	0.0000	0.0006	0.0023	0.0596	0.0435	0.1700	0.4360	0.7134
60 mph	0.0009	0.0000	0.0004	0.0015	0.0361	0.0262	12.7155	32.3762	45.1568
65 mph	0.0004	0.0000	0.0001	0.0006	0.0122	0.0088	-	-	0.0220
70 mph	0.0176	0.0000	0.0072	0.0277	0.5708	0.4108	-	-	1.0341
total	0.0345	0.0001	0.0141	0.0539	1.2102	0.8900	18.7320	47.6840	68.6188

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0005	0.0003	0.0014	0.0025	0.0048
15 mph	0.0054	0.0000	0.0023	0.0029	0.0477	0.0365	0.2955	0.7748	1.1650
25 mph	-	-	-	-	0.0685	0.0527	0.9639	2.4364	3.5215
35 mph	0.0126	0.0000	0.0052	0.0063	-	-	-	-	0.0241
total	0.0180	0.0000	0.0075	0.0092	0.1167	0.0895	1.2608	3.2138	4.7154

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0005	0.0003	0.0014	0.0025	0.0048
10 mph	0.0090	0.0000	0.0037	0.0069	0.1446	0.1085	0.6977	1.8512	2.8216
15 mph	0.0087	0.0000	0.0036	0.0057	0.0953	0.0729	0.4784	1.2543	1.9191
20 mph	0.0050	0.0000	0.0021	0.0040	0.0671	0.0514	0.8758	2.3078	3.3131
25 mph	0.0196	0.0000	0.0082	0.0152	0.3283	0.2524	3.3238	8.4017	12.3492
30 mph	0.0193	0.0000	0.0080	0.0154	0.2803	0.2141	2.4917	6.3009	9.3298
35 mph	0.0286	0.0001	0.0119	0.0205	0.2953	0.2256	1.6377	4.1482	6.3677
40 mph	0.0070	0.0000	0.0029	0.0075	0.1739	0.1315	1.4614	3.7107	5.4950
45 mph	0.0055	0.0000	0.0023	0.0059	0.1378	0.1027	1.0412	2.6507	3.9461
50 mph	0.0058	0.0000	0.0024	0.0064	0.1559	0.1150	0.9262	2.3479	3.5597
55 mph	0.0042	0.0000	0.0018	0.0044	0.1040	0.0760	0.3115	0.7988	1.3007
60 mph	0.0070	0.0000	0.0029	0.0060	0.1258	0.0913	12.8667	32.7610	45.8608
65 mph	0.0012	0.0000	0.0005	0.0012	0.0236	0.0170	-	-	0.0434
70 mph	0.0176	0.0000	0.0072	0.0277	0.5708	0.4108	-	-	1.0341
total	0.1385	0.0003	0.0574	0.1269	2.5032	1.8695	26.1134	66.5359	97.3452

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.2727	0.2727
15 mph								0.0763	0.0763
20 mph								0.1332	0.1332
25 mph								0.6752	0.6752
30 mph								0.5806	0.5806
35 mph								0.2494	0.2494
40 mph								0.2663	0.2663
45 mph								0.2058	0.2058
50 mph								0.3243	0.3243
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.7838	2.7838

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.2401	0.2401
25 mph								0.3873	0.3873
30 mph								0.6280	0.6280
35 mph								0.5995	0.5995
40 mph								0.5281	0.5281
45 mph								0.3710	0.3710
50 mph								0.1799	0.1799
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.8548	1.8548

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0005	0.0005
15 mph								0.1232	0.1232
25 mph								0.4340	0.4340
35 mph								-	-
total	-	-	-	-	-	-	-	0.5577	0.5577

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0005	0.0005
10 mph								0.2727	0.2727
15 mph								0.1995	0.1995
20 mph								0.3733	0.3733
25 mph								1.4965	1.4965
30 mph								1.2085	1.2085
35 mph								0.8489	0.8489
40 mph								0.7945	0.7945
45 mph								0.5768	0.5768
50 mph								0.5042	0.5042
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	6.2753	6.2753

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0019	0.0008	0.0020	0.0030	0.0078
10 mph	0.0784	0.0074	0.0361	0.0226	0.1536	0.1115	0.7052	2.1246	3.2393
15 mph	0.0804	0.0076	0.0370	0.0192	0.1033	0.0755	0.4841	1.4544	2.2616
20 mph	0.0496	0.0047	0.0228	0.0142	0.0731	0.0533	0.8868	2.6822	3.7867
25 mph	0.2118	0.0200	0.0971	0.0566	0.3586	0.2623	3.3675	9.9026	14.2764
30 mph	0.2222	0.0211	0.1015	0.0604	0.3069	0.2227	2.5262	7.5130	10.9740
35 mph	0.3428	0.0326	0.1561	0.0825	0.3220	0.2341	1.6614	4.9996	7.8312
40 mph	0.0855	0.0081	0.0389	0.0309	0.1894	0.1365	1.4835	4.5075	6.4803
45 mph	0.0678	0.0065	0.0309	0.0243	0.1500	0.1066	1.0572	3.2292	4.6726
50 mph	0.0705	0.0068	0.0321	0.0259	0.1691	0.1192	0.9404	2.8537	4.2177
55 mph	0.0497	0.0048	0.0227	0.0173	0.1125	0.0787	0.3162	0.7993	1.4013
60 mph	0.0790	0.0077	0.0363	0.0233	0.1364	0.0947	13.0555	32.7808	46.2136
65 mph	0.0127	0.0012	0.0059	0.0044	0.0256	0.0176	-	-	0.0675
70 mph	0.1815	0.0183	0.0821	0.1004	0.6244	0.4267	-	-	1.4335
STREX	0.1530	0.0128	0.0649	0.1147	0.0520	0.0153	0.0226	0.0000	0.4353
total	1.6850	0.1595	0.7645	0.5966	2.7789	1.9555	26.5087	72.8501	**107.2987**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0199	0.0217	0.0224	0.0238	0.0333	0.0334	0.0296	0.0029
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1530	0.0128	0.0649	0.1147	0.0520	0.0153	0.0226	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1530	0.0128	0.0649	0.1147	0.0520	0.0153	0.0226	0.0000

World Logistics Center
Mobile Emissions - 2032 (Net) - Mitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.8830	1.9036	3.3672	2.4072
10 mph	0.0047	0.0090	0.0077	0.0090	0.0092	0.0078	0.0172	0.3036
15 mph	0.0031	0.0060	0.0052	0.0060	0.0062	0.0052	0.0115	0.2016
20 mph	0.0022	0.0043	0.0037	0.0042	0.0044	0.0037	0.0081	0.1417
25 mph	0.0016	0.0032	0.0027	0.0031	0.0033	0.0027	0.0060	0.1048
30 mph	0.0013	0.0025	0.0021	0.0025	0.0026	0.0021	0.0046	0.0819
35 mph	0.0010	0.0021	0.0017	0.0020	0.0022	0.0017	0.0038	0.0675
40 mph	0.0009	0.0018	0.0015	0.0018	0.0019	0.0015	0.0033	0.0588
45 mph	0.0008	0.0017	0.0014	0.0016	0.0018	0.0014	0.0030	0.0539
50 mph	0.0008	0.0016	0.0013	0.0016	0.0017	0.0014	0.0029	0.0522
55 mph	0.0008	0.0016	0.0013	0.0016	0.0018	0.0014	0.0030	0.0531
60 mph	0.0008	0.0017	0.0014	0.0017	0.0019	0.0015	0.0032	0.0568
65 mph	0.0009	0.0019	0.0016	0.0018	0.0022	0.0017		
70 mph	0.0010	0.0022	0.0017	0.0020	0.0023	0.0017		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0235	0.1100
10 mph	0.0037	0.0133	0.0091	0.0041	0.0257	0.0258	0.0015	0.0038
15 mph	0.0019	0.0080	0.0045	0.0020	0.0129	0.0129	0.0008	0.0021
20 mph	0.0008	0.0048	0.0017	0.0008	0.0054	0.0054	0.0006	0.0013
25 mph	0.0005	0.0035	0.0010	0.0005	0.0034	0.0034	0.0005	0.0011
30 mph	0.0004	0.0029	0.0008	0.0004	0.0026	0.0026	0.0004	0.0009
35 mph	0.0003	0.0025	0.0006	0.0003	0.0022	0.0022	0.0003	0.0007
40 mph	0.0002	0.0022	0.0005	0.0002	0.0018	0.0018	0.0003	0.0006
45 mph	0.0002	0.0021	0.0004	0.0002	0.0016	0.0016	0.0002	0.0006
50 mph	0.0002	0.0020	0.0004	0.0002	0.0015	0.0015	0.0002	0.0006
55 mph	0.0002	0.0021	0.0003	0.0002	0.0014	0.0014	0.0003	0.0006
60 mph	0.0002	0.0022	0.0003	0.0002	0.0013	0.0013	0.0003	0.0007
65 mph	0.0002	0.0025	0.0003	0.0002	0.0015	0.0015		
70 mph	0.0002	0.0028	0.0003	0.0002	0.0022	0.0020		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.8919
10 mph								10.9554
15 mph								7.5662
20 mph								5.3747
25 mph								3.9432
30 mph								2.9208
35 mph								2.1656
40 mph								1.6082
45 mph								1.1976
50 mph								0.8962
55 mph								0.0000
60 mph								0.0000
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10 mph	0.0614	0.0090	0.0382	0.0178	0.0081	0.0020	0.0077	0.0011	0.1453
15 mph	0.0163	0.0024	0.0103	0.0048	0.0022	0.0005	0.0017	0.0003	0.0384
20 mph	0.0230	0.0035	0.0145	0.0067	0.0031	0.0008	0.0024	0.0004	0.0542
25 mph	0.0847	0.0129	0.0536	0.0249	0.0116	0.0028	0.0097	0.0014	0.2016
30 mph	0.0724	0.0111	0.0459	0.0214	0.0101	0.0024	0.0068	0.0010	0.1711
35 mph	0.0486	0.0075	0.0307	0.0144	0.0069	0.0016	0.0025	0.0004	0.1125
40 mph	0.0141	0.0022	0.0089	0.0042	0.0020	0.0005	0.0024	0.0004	0.0346
45 mph	0.0108	0.0017	0.0068	0.0032	0.0016	0.0004	0.0018	0.0003	0.0264
50 mph	0.0104	0.0016	0.0065	0.0031	0.0015	0.0003	0.0028	0.0004	0.0267
55 mph	0.0084	0.0013	0.0053	0.0025	0.0012	0.0003	0.0007	0.0001	0.0198
60 mph	0.0178	0.0027	0.0111	0.0052	0.0027	0.0006	0.0007	0.0001	0.0409
65 mph	0.0025	0.0004	0.0015	0.0007	0.0004	0.0001	0.0000	0.0000	0.0056
70 mph	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
total	0.3703	0.0561	0.2333	0.1088	0.0513	0.0122	0.0391	0.0058	0.8770

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10 mph	0.0051	0.0007	0.0032	0.0031	0.0017	0.0004	0.0000	0.0000	0.0142
15 mph	0.0034	0.0005	0.0021	0.0021	0.0012	0.0003	0.0000	0.0000	0.0095
20 mph	0.0024	0.0004	0.0015	0.0015	0.0008	0.0002	0.0043	0.0006	0.0117
25 mph	0.0035	0.0005	0.0022	0.0022	0.0012	0.0003	0.0056	0.0008	0.0163
30 mph	0.0054	0.0008	0.0034	0.0034	0.0020	0.0005	0.0074	0.0011	0.0240
35 mph	0.0100	0.0016	0.0064	0.0062	0.0037	0.0009	0.0060	0.0009	0.0356
40 mph	0.0097	0.0015	0.0061	0.0060	0.0036	0.0008	0.0048	0.0007	0.0333
45 mph	0.0071	0.0011	0.0045	0.0044	0.0027	0.0006	0.0032	0.0005	0.0241
50 mph	0.0077	0.0012	0.0049	0.0048	0.0029	0.0007	0.0015	0.0002	0.0239
55 mph	0.0044	0.0007	0.0027	0.0027	0.0017	0.0004	0.0008	0.0001	0.0134
60 mph	0.0028	0.0004	0.0017	0.0017	0.0011	0.0002	0.0591	0.0089	0.0759
65 mph	0.0010	0.0002	0.0006	0.0006	0.0004	0.0001	0.0000	0.0000	0.0029
70 mph	0.0516	0.0083	0.0311	0.0319	0.0201	0.0043	0.0000	0.0000	0.1473
total	0.1141	0.0178	0.0705	0.0704	0.0431	0.0097	0.0927	0.0140	0.4322

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	0.0000	0.0000	0.0000	0.0000	0.2021	0.0599	0.1654	0.0014	0.4287
15 mph	0.0324	0.0048	0.0203	0.0069	0.0033	0.0008	0.0028	0.0004	0.0717
25 mph	0.0000	0.0000	0.0000	0.0000	0.0034	0.0008	0.0062	0.0009	0.0114
35 mph	0.0460	0.0071	0.0291	0.0092	0.0000	0.0000	0.0000	0.0000	0.0913
total	0.0784	0.0119	0.0494	0.0161	0.2089	0.0615	0.1743	0.0027	0.6031

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	0.0000	0.0000	0.0000	0.0000	0.2021	0.0599	0.1654	0.0014	0.4287
10 mph	0.0665	0.0097	0.0414	0.0208	0.0098	0.0024	0.0077	0.0011	0.1595
15 mph	0.0521	0.0077	0.0327	0.0137	0.0067	0.0016	0.0045	0.0007	0.1196
20 mph	0.0253	0.0038	0.0160	0.0082	0.0039	0.0010	0.0067	0.0010	0.0659
25 mph	0.0882	0.0134	0.0558	0.0271	0.0162	0.0039	0.0215	0.0032	0.2293
30 mph	0.0779	0.0119	0.0493	0.0248	0.0120	0.0029	0.0142	0.0021	0.1951
35 mph	0.1046	0.0161	0.0662	0.0298	0.0105	0.0025	0.0085	0.0013	0.2395
40 mph	0.0237	0.0037	0.0150	0.0102	0.0056	0.0013	0.0072	0.0011	0.0679
45 mph	0.0179	0.0028	0.0113	0.0076	0.0042	0.0010	0.0050	0.0008	0.0505
50 mph	0.0181	0.0028	0.0114	0.0079	0.0044	0.0010	0.0043	0.0007	0.0506
55 mph	0.0128	0.0020	0.0080	0.0052	0.0029	0.0007	0.0014	0.0002	0.0332
60 mph	0.0205	0.0031	0.0128	0.0069	0.0037	0.0008	0.0598	0.0090	0.1168
65 mph	0.0035	0.0005	0.0022	0.0014	0.0008	0.0002	0.0000	0.0000	0.0085
70 mph	0.0516	0.0083	0.0311	0.0319	0.0201	0.0043	0.0000	0.0000	0.1473
total	0.5627	0.0858	0.3532	0.1953	0.3032	0.0834	0.3062	0.0225	1.9124

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10 mph	0.0006	0.0000	0.0004	0.0003	0.0223	0.0150	0.0040	0.0181	0.0608
15 mph	0.0001	0.0000	0.0001	0.0001	0.0045	0.0030	0.0007	0.0033	0.0118
20 mph	0.0001	0.0000	0.0001	0.0000	0.0038	0.0025	0.0010	0.0042	0.0117
25 mph	0.0003	0.0000	0.0002	0.0001	0.0118	0.0080	0.0043	0.0187	0.0434
30 mph	0.0002	0.0000	0.0002	0.0001	0.0101	0.0068	0.0032	0.0138	0.0343
35 mph	0.0002	0.0000	0.0001	0.0001	0.0067	0.0045	0.0012	0.0051	0.0179
40 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0013	0.0011	0.0049	0.0093
45 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0009	0.0008	0.0036	0.0068
50 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0009	0.0014	0.0059	0.0094
55 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0006	0.0003	0.0015	0.0035
60 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0012	0.0004	0.0017	0.0053
65 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	0.0000	0.0000	0.0004
70 mph	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
total	0.0016	0.0000	0.0011	0.0007	0.0668	0.0449	0.0185	0.0808	0.2146

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
10 mph	0.0000	0.0000	0.0000	0.0000	0.0048	0.0032	0.0000	0.0000	0.0081
15 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0016	0.0000	0.0000	0.0041
20 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0018	0.0075	0.0110
25 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0009	0.0025	0.0107	0.0154
30 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0013	0.0035	0.0149	0.0217
35 mph	0.0000	0.0000	0.0000	0.0000	0.0036	0.0024	0.0028	0.0123	0.0212
40 mph	0.0000	0.0000	0.0000	0.0000	0.0034	0.0023	0.0022	0.0097	0.0177
45 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0016	0.0015	0.0065	0.0121
50 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0016	0.0008	0.0032	0.0082
55 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0008	0.0004	0.0018	0.0044
60 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0005	0.0339	0.1469	0.1821
65 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	0.0000	0.0000	0.0005
70 mph	0.0001	0.0000	0.0001	0.0001	0.0184	0.0116	0.0000	0.0000	0.0302
total	0.0003	0.0000	0.0002	0.0003	0.0440	0.0288	0.0494	0.2136	0.3366

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	0.0000	0.0000	0.0000	0.0000	0.0157	0.0105	0.0068	0.0582	0.0911
15 mph	0.0002	0.0000	0.0002	0.0001	0.0069	0.0046	0.0012	0.0054	0.0185
25 mph	0.0000	0.0000	0.0000	0.0000	0.0034	0.0023	0.0028	0.0120	0.0206
35 mph	0.0001	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
total	0.0004	0.0000	0.0003	0.0001	0.0260	0.0175	0.0108	0.0756	0.1305

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	0.0000	0.0000	0.0000	0.0000	0.0157	0.0105	0.0068	0.0582	0.0911
10 mph	0.0006	0.0000	0.0005	0.0003	0.0271	0.0183	0.0040	0.0181	0.0689
15 mph	0.0004	0.0000	0.0003	0.0001	0.0137	0.0093	0.0019	0.0087	0.0344
20 mph	0.0001	0.0000	0.0001	0.0000	0.0048	0.0032	0.0028	0.0117	0.0227
25 mph	0.0003	0.0000	0.0002	0.0001	0.0165	0.0111	0.0096	0.0415	0.0794
30 mph	0.0003	0.0000	0.0002	0.0001	0.0120	0.0081	0.0066	0.0287	0.0560
35 mph	0.0003	0.0000	0.0002	0.0001	0.0104	0.0070	0.0040	0.0174	0.0394
40 mph	0.0001	0.0000	0.0000	0.0000	0.0053	0.0036	0.0034	0.0146	0.0270
45 mph	0.0001	0.0000	0.0000	0.0000	0.0038	0.0025	0.0023	0.0101	0.0189
50 mph	0.0000	0.0000	0.0000	0.0000	0.0037	0.0025	0.0021	0.0091	0.0176
55 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0015	0.0008	0.0033	0.0078
60 mph	0.0000	0.0000	0.0000	0.0000	0.0026	0.0017	0.0343	0.1487	0.1874
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0004	0.0000	0.0000	0.0009
70 mph	0.0001	0.0000	0.0001	0.0001	0.0184	0.0116	0.0000	0.0000	0.0302
total	0.0023	0.0000	0.0016	0.0011	0.1368	0.0911	0.0787	0.3700	0.6818

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0	0
10 mph								3.495782	3.495782
15 mph								0.804769	0.804769
20 mph								1.143337	1.143337
25 mph								4.613518	4.613518
30 mph								3.106674	3.106674
35 mph								1.036529	1.036529
40 mph								0.855282	0.855282
45 mph								0.509542	0.509542
50 mph								0.619605	0.619605
55 mph								0	0
60 mph								0	0
65 mph								0	0
70 mph								0	0
total		0	0	0	0	0	0	16.18504	16.18504

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0	0
10 mph								0	0
15 mph								0	0
20 mph								2.061155	2.061155
25 mph								2.646329	2.646329
30 mph								3.36034	3.36034
35 mph								2.491474	2.491474
40 mph								1.696048	1.696048
45 mph								0.918578	0.918578
50 mph								0.343691	0.343691
55 mph								0	0
60 mph								0	0
65 mph								0	0
70 mph								0	0
total		0	0	0	0	0	0	10.5593	10.5593

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.066692	0.066692
15 mph								1.300211	1.300211
25 mph								2.96521	2.96521
35 mph								0	0
total		0	0	0	0	0	0	4.332113	4.332113

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.066692	0.066692
10 mph								3.495782	3.495782
15 mph								2.104981	2.104981
20 mph								3.204492	3.204492
25 mph								10.22506	10.22506
30 mph								6.467015	6.467015
35 mph								3.528002	3.528002
40 mph								2.55133	2.55133
45 mph								1.428119	1.428119
50 mph								0.963296	0.963296
55 mph								0	0
60 mph								0	0
65 mph								0	0
70 mph								0	0
total		0	0	0	0	0	0	34.03477	34.03477

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	0.00	0.00	0.00	0.00	0.22	0.07	0.17	0.13	0.59
10 mph	0.07	0.01	0.04	0.02	0.04	0.02	0.01	3.52	3.72
15 mph	0.05	0.01	0.03	0.01	0.02	0.01	0.01	2.11	2.26
20 mph	0.03	0.00	0.02	0.01	0.01	0.00	0.01	3.22	3.29
25 mph	0.09	0.01	0.06	0.03	0.03	0.02	0.03	10.27	10.53
30 mph	0.08	0.01	0.05	0.02	0.02	0.01	0.02	6.50	6.72
35 mph	0.10	0.02	0.07	0.03	0.02	0.01	0.01	3.55	3.81
40 mph	0.02	0.00	0.02	0.01	0.01	0.00	0.01	2.57	2.65
45 mph	0.02	0.00	0.01	0.01	0.01	0.00	0.01	1.44	1.50
50 mph	0.02	0.00	0.01	0.01	0.01	0.00	0.01	0.97	1.03
55 mph	0.01	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.04
60 mph	0.02	0.00	0.01	0.01	0.01	0.00	0.09	0.16	0.30
65 mph	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
70 mph	0.05	0.01	0.03	0.03	0.04	0.02	0.00	0.00	0.18
STREX	0.22	0.02	0.11	0.21	0.02	0.01	0.02	0.00	0.61
total	0.78	0.11	0.47	0.40	0.46	0.18	0.41	34.43	**37.24**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.83E-02	3.54E-02	3.85E-02	4.32E-02	1.46E-02	1.46E-02	3.25E-02	2.63E-04
Diesel	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Electric/NG	0.00E+00	0.00E+00	0.00E+00	0.00E+00				0.00E+00

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.21755477	0.0208111	0.11148057	0.20830433	0.02275134	0.00666657	0.02478485	1.6853E-06
Diesel	0	0	0	0	0	0	0	0
NGElectric	0	0	0	0	0	0	0	0
Total	0.21755477	0.0208111	0.11148057	0.20830433	0.02275134	0.00666657	0.02478485	1.6853E-06

World Logistics Center
Mobile Emissions - 2032 (Net) - Mitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,115.24	4,810.98	12,173.21	19,979.51
10 mph	415.02	487.05	492.63	605.64	1,349.47	1,555.07	2,770.31	3,251.32
15 mph	339.25	398.15	402.62	494.73	1,102.68	1,269.77	2,267.61	2,667.69
20 mph	282.15	331.12	334.84	411.48	916.88	1,056.12	1,883.89	2,222.69
25 mph	241.22	283.13	286.34	352.07	783.66	902.48	1,611.55	1,903.35
30 mph	214.09	251.30	254.20	312.80	695.64	801.20	1,431.55	1,689.59
35 mph	198.55	233.05	235.79	290.47	645.19	743.28	1,328.29	1,564.81
40 mph	192.36	225.78	228.42	281.43	624.60	719.60	1,285.24	1,512.71
45 mph	193.42	226.92	229.52	282.72	626.88	722.21	1,290.79	1,513.97
50 mph	199.20	233.66	236.30	291.26	645.32	743.19	1,327.86	1,554.57
55 mph	206.93	242.68	245.51	302.74	671.69	773.49	1,380.29	1,614.64
60 mph	213.03	250.21	253.31	312.77	698.88	804.80	1,435.65	1,676.71
65 mph	218.27	256.76	260.04	321.59	720.07	828.87		
70 mph	221.27	260.24	262.83	328.34	729.48	837.10		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,334.74	5,390.57	5,542.79	5,120.05
10 mph	351.79	735.50	471.28	586.40	872.44	976.43	1,694.43	2,460.48
15 mph	289.37	611.66	390.86	497.05	568.09	648.07	1,332.58	1,912.16
20 mph	237.37	502.20	321.10	412.84	484.75	553.38	1,138.28	1,641.59
25 mph	199.01	419.46	269.23	349.46	429.81	493.01	993.27	1,374.13
30 mph	172.41	360.75	232.78	302.19	390.67	445.05	872.08	1,206.93
35 mph	155.90	323.19	210.04	274.64	391.34	445.82	778.98	1,079.91
40 mph	145.90	301.16	196.02	256.98	380.98	429.94	713.84	992.02
45 mph	140.94	290.58	189.00	247.29	371.79	413.49	676.62	942.77
50 mph	141.36	290.45	189.25	248.72	390.03	429.08	667.71	926.44
55 mph	147.91	303.94	197.86	262.42	407.08	443.54	687.09	964.41
60 mph	160.36	329.55	214.35	284.15	411.03	444.99	734.11	1,023.01
65 mph	180.35	367.27	240.69	319.59	417.15	447.11		
70 mph	195.94	382.70	258.03	347.59	424.05	455.21		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,153.67
10 mph								4,191.99
15 mph								3,517.41
20 mph								3,070.94
25 mph								2,830.87
30 mph								2,677.51
35 mph								2,556.12
40 mph								2,456.59
45 mph								2,372.91
50 mph								2,301.22
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	5,453.24	488.11	2,432.89	1,199.34	1,182.96	399.36	1,231.42	12.14	12,399.46
15 mph	1,783.07	159.61	795.35	391.88	386.65	130.44	335.99	3.32	3,986.30
20 mph	2,965.89	265.47	1,322.92	651.87	643.00	216.98	558.27	5.53	6,629.93
25 mph	12,677.90	1,134.97	5,656.49	2,788.79	2,747.87	927.07	2,626.61	26.06	28,585.77
30 mph	12,377.37	1,108.10	5,523.66	2,725.51	2,683.16	905.34	2,121.12	21.03	27,465.28
35 mph	9,392.07	840.80	4,192.02	2,070.79	2,036.09	687.18	885.65	8.77	20,113.36
40 mph	3,032.97	271.53	1,353.68	668.78	657.04	221.76	952.17	9.42	7,167.34
45 mph	2,541.42	227.41	1,133.51	559.86	549.54	185.47	765.02	7.54	5,969.77
50 mph	2,617.35	234.17	1,166.96	576.76	565.70	190.86	1,278.86	12.58	6,643.25
55 mph	2,175.19	194.57	969.96	479.60	471.05	158.91	306.77	3.02	4,759.06
60 mph	4,478.69	401.21	2,001.58	990.99	980.24	330.69	319.08	3.13	9,505.61
65 mph	573.61	51.46	256.84	127.37	126.24	42.57	-	-	1,178.10
70 mph	-	-	-	-	-	-	-	-	-
total	60,068.76	5,377.40	26,805.85	13,231.53	13,029.55	4,396.64	11,380.96	112.54	134,403.22

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	451.01	40.37	201.21	207.16	253.67	85.64	-	-	1,239.06
15 mph	368.67	33.00	164.45	169.22	207.28	69.93	-	-	1,012.55
20 mph	306.62	27.44	136.77	140.75	172.35	58.16	1,006.42	9.98	1,858.48
25 mph	524.27	46.93	233.91	240.85	294.62	99.40	1,506.63	14.95	2,961.57
30 mph	930.62	83.31	415.31	427.98	523.06	176.49	2,294.31	22.75	4,873.82
35 mph	1,941.94	173.85	866.76	894.22	1,091.52	368.39	2,128.81	21.07	7,486.55
40 mph	2,090.36	187.14	932.97	962.65	1,174.11	396.28	1,888.17	18.67	7,650.36
45 mph	1,681.52	150.47	749.98	773.63	942.72	318.18	1,379.14	13.59	6,009.22
50 mph	1,948.22	174.30	868.63	896.62	1,091.75	368.34	709.38	6.98	6,064.22
55 mph	1,124.37	100.57	501.38	517.76	631.31	212.98	368.69	3.62	3,460.69
60 mph	694.52	62.22	310.39	320.95	394.12	132.96	26,843.62	263.41	29,022.19
65 mph	237.20	21.28	106.21	110.00	135.36	45.65	-	-	655.70
70 mph	11,061.01	992.22	4,938.20	5,166.19	6,307.75	2,120.55	-	-	30,585.92
total	23,360.34	2,093.11	10,426.17	10,827.98	13,219.60	4,452.93	38,125.17	375.02	102,880.32

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	441.77	151.30	597.80	11.26	1,202.13
15 mph	3,531.64	316.12	1,575.31	567.99	594.32	200.49	542.84	5.37	7,334.07
25 mph	-	-	-	-	802.17	270.63	1,688.18	16.75	2,777.73
35 mph	8,893.26	796.14	3,969.38	1,318.53	-	-	-	-	14,977.32
total	12,424.91	1,112.27	5,544.69	1,886.52	1,838.25	622.43	2,828.81	33.38	26,291.26

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	441.77	151.30	597.80	11.26	1,202.13
10 mph	5,904.25	528.48	2,634.10	1,406.50	1,436.63	485.00	1,231.42	12.14	13,638.53
15 mph	5,683.39	508.73	2,535.11	1,129.09	1,188.25	400.86	878.83	8.69	12,332.93
20 mph	3,272.51	292.91	1,459.68	792.62	815.35	275.14	1,564.69	15.51	8,488.41
25 mph	13,202.17	1,181.90	5,890.40	3,029.64	3,844.66	1,297.10	5,821.42	57.77	34,325.07
30 mph	13,307.98	1,191.42	5,938.96	3,153.49	3,206.21	1,081.82	4,415.43	43.78	32,339.10
35 mph	20,227.27	1,810.79	9,028.16	4,283.53	3,127.61	1,055.57	3,014.46	29.84	42,577.23
40 mph	5,123.34	458.67	2,286.65	1,631.43	1,831.15	618.04	2,840.34	28.09	14,817.70
45 mph	4,222.94	377.88	1,883.49	1,333.49	1,492.26	503.65	2,144.16	21.13	11,978.99
50 mph	4,565.57	408.47	2,035.59	1,473.38	1,657.45	559.20	1,988.24	19.56	12,707.47
55 mph	3,299.56	295.14	1,471.34	997.36	1,102.35	371.89	675.47	6.64	8,219.75
60 mph	5,173.22	463.42	2,311.97	1,311.94	1,374.36	463.65	27,162.70	266.54	38,527.79
65 mph	810.81	72.75	363.05	237.37	261.60	88.22	-	-	1,833.79
70 mph	11,061.01	992.22	4,938.20	5,166.19	6,307.75	2,120.55	-	-	30,585.92
total	95,854.01	8,582.78	42,776.71	25,946.02	28,087.40	9,472.00	52,334.94	520.94	263,574.81

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	52.90	0.11	21.86	37.41	757.42	568.33	4,438.83	11,777.14	17,653.99
15 mph	17.41	0.04	7.25	12.68	197.28	150.88	1,163.64	3,050.87	4,600.05
20 mph	28.56	0.06	11.92	21.07	336.67	257.67	1,987.93	5,238.34	7,882.22
25 mph	119.70	0.26	49.96	89.17	1,492.57	1,147.81	9,540.82	24,116.72	36,557.02
30 mph	114.07	0.25	47.52	84.82	1,492.34	1,139.77	7,615.20	19,256.70	29,750.67
35 mph	84.39	0.18	35.08	63.07	1,223.09	934.15	3,060.99	7,753.51	13,154.47
40 mph	26.33	0.06	10.91	19.67	396.90	300.29	3,116.72	7,913.87	11,784.74
45 mph	21.19	0.05	8.77	15.78	322.77	240.67	2,363.36	6,016.78	8,989.37
50 mph	21.26	0.05	8.78	15.87	338.61	249.74	3,789.86	9,607.87	14,032.03
55 mph	17.79	0.04	7.34	13.39	282.73	206.53	899.97	2,308.08	3,735.87
60 mph	38.58	0.08	15.91	29.00	570.95	414.40	961.56	2,448.32	4,478.82
65 mph	5.42	0.01	2.23	4.08	72.43	52.05	-	-	136.22
70 mph	-	-	-	-	-	-	-	-	-
total	547.61	1.19	227.54	406.01	7,483.76	5,662.29	38,938.88	99,488.20	152,755.48

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	4.38	0.01	1.81	6.46	162.42	121.87	-	-	296.94
15 mph	3.60	0.01	1.50	5.48	105.76	80.89	-	-	197.23
20 mph	2.95	0.01	1.23	4.55	90.24	69.07	3,583.75	9,443.44	13,195.24
25 mph	4.95	0.01	2.07	7.70	160.03	123.07	5,472.65	13,833.43	19,603.90
30 mph	8.58	0.02	3.57	13.32	290.92	222.19	8,236.99	20,829.05	29,604.64
35 mph	17.45	0.04	7.25	27.24	655.68	500.78	7,357.61	18,636.89	27,202.95
40 mph	18.15	0.04	7.52	28.32	709.24	536.61	6,180.54	15,693.42	23,173.83
45 mph	14.02	0.03	5.80	21.80	553.71	412.87	4,260.55	10,846.77	16,115.56
50 mph	15.82	0.03	6.54	24.67	653.48	481.98	2,102.21	5,329.42	8,614.15
55 mph	9.20	0.02	3.80	14.46	378.92	276.79	1,081.62	2,773.93	4,538.72
60 mph	5.98	0.01	2.47	9.39	229.56	166.62	80,894.86	205,973.62	287,282.52
65 mph	2.24	0.00	0.92	3.52	77.66	55.80	-	-	140.16
70 mph	112.09	0.23	45.54	176.18	3,631.42	2,613.46	-	-	6,578.92
total	219.41	0.46	90.02	343.08	7,699.03	5,661.98	119,170.78	303,359.98	436,544.74

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	354.53	384.22	1,604.15	2,707.48	5,050.38
15 mph	34.47	0.08	14.37	18.38	303.23	231.92	1,880.01	4,929.08	7,411.55
25 mph	-	-	-	-	435.72	335.07	6,132.10	15,500.34	22,403.23
35 mph	79.91	0.17	33.22	40.16	-	-	-	-	153.46
total	114.39	0.25	47.58	58.54	1,093.48	951.21	9,616.26	23,136.91	35,018.62

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	354.53	384.22	1,604.15	2,707.48	5,050.38
10 mph	57.27	0.12	23.67	43.87	919.84	690.19	4,438.83	11,777.14	17,950.93
15 mph	55.48	0.12	23.12	36.54	606.27	463.69	3,043.65	7,979.96	12,208.83
20 mph	31.51	0.07	13.15	25.62	426.92	326.74	5,571.68	14,681.78	21,077.46
25 mph	124.65	0.27	52.03	96.87	2,088.31	1,605.95	21,145.57	53,450.49	78,564.15
30 mph	122.65	0.27	51.09	98.14	1,783.26	1,361.95	15,852.19	40,085.76	59,355.31
35 mph	181.76	0.39	75.55	130.47	1,878.78	1,434.93	10,418.60	26,390.41	40,510.88
40 mph	44.47	0.10	18.43	47.99	1,106.14	836.90	9,297.25	23,607.29	34,958.57
45 mph	35.22	0.08	14.57	37.57	876.48	653.54	6,623.91	16,863.56	25,104.92
50 mph	37.08	0.08	15.31	40.53	992.09	731.72	5,892.08	14,937.30	22,646.19
55 mph	26.99	0.06	11.14	27.85	661.65	483.32	1,981.58	5,082.00	8,274.59
60 mph	44.56	0.10	18.38	38.40	800.51	581.02	81,856.43	208,421.94	291,761.33
65 mph	7.67	0.02	3.16	7.60	150.09	107.85	-	-	276.38
70 mph	112.09	0.23	45.54	176.18	3,631.42	2,613.46	-	-	6,578.92
total	881.40	1.89	365.13	807.63	16,276.28	12,275.48	167,725.93	425,985.09	624,318.84

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1,337.62	1,337.62
15 mph								374.12	374.12
20 mph								653.27	653.27
25 mph								3,312.11	3,312.11
30 mph								2,847.90	2,847.90
35 mph								1,223.45	1,223.45
40 mph								1,306.46	1,306.46
45 mph								1,009.56	1,009.56
50 mph								1,590.98	1,590.98
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	13,655.49	13,655.49

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1,177.69	1,177.69
25 mph								1,899.84	1,899.84
30 mph								3,080.44	3,080.44
35 mph								2,940.78	2,940.78
40 mph								2,590.75	2,590.75
45 mph								1,819.99	1,819.99
50 mph								882.51	882.51
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	9,098.74	9,098.74

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								181.68	181.68
15 mph								604.45	604.45
25 mph								2,128.77	2,128.77
35 mph								-	-
total	-	-	-	-	-	-	-	2,914.89	2,914.89

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								181.68	181.68
10 mph								1,337.62	1,337.62
15 mph								978.57	978.57
20 mph								1,830.96	1,830.96
25 mph								7,340.72	7,340.72
30 mph								5,928.34	5,928.34
35 mph								4,164.23	4,164.23
40 mph								3,897.21	3,897.21
45 mph								2,829.56	2,829.56
50 mph								2,473.49	2,473.49
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	30,962.37	30,962.37

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	796.30	535.52	2,201.95	2,900.42	6,434.19
10 mph	5,961.52	528.60	2,657.78	1,450.37	2,356.47	1,175.19	5,670.25	13,126.90	32,927.09
15 mph	5,738.87	508.85	2,558.22	1,165.63	1,794.52	864.54	3,922.48	8,967.21	25,520.33
20 mph	3,304.02	292.98	1,472.83	818.23	1,242.27	601.88	7,136.37	16,528.25	31,396.83
25 mph	13,326.82	1,182.18	5,942.43	3,126.51	5,932.98	2,903.05	26,966.99	60,848.98	120,229.93
30 mph	13,430.63	1,191.68	5,990.05	3,251.63	4,989.47	2,443.78	20,267.61	46,057.88	97,622.74
35 mph	20,409.03	1,811.18	9,103.71	4,414.00	5,006.39	2,490.50	13,433.06	30,584.48	87,252.34
40 mph	5,167.81	458.76	2,305.08	1,679.42	2,937.29	1,454.94	12,137.59	27,532.58	53,673.47
45 mph	4,258.16	377.95	1,898.06	1,371.06	2,368.74	1,157.19	8,768.07	19,714.24	39,913.47
50 mph	4,602.65	408.55	2,050.91	1,513.92	2,649.54	1,290.92	7,880.32	17,430.34	37,827.14
55 mph	3,326.55	295.20	1,482.48	1,025.21	1,764.00	855.21	2,657.05	5,088.64	16,494.34
60 mph	5,217.78	463.52	2,330.35	1,350.33	2,174.87	1,044.68	109,019.12	208,688.48	330,289.12
65 mph	818.48	72.76	366.21	244.97	411.69	196.07	-	-	2,110.18
70 mph	11,173.10	992.45	4,983.74	5,342.37	9,939.16	4,734.01	-	-	37,164.84
STREX	338.69	30.44	154.95	318.14	26.57	8.89	25.24	0.25	903.17
total	97,074.10	8,615.11	43,296.79	27,071.79	44,390.25	21,756.37	220,086.11	457,468.66	**919,759.18**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	43.99	51.84	53.54	66.02	17.01	19.42	33.11	39.79
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	338.69	30.44	154.95	318.14	26.57	8.89	25.24	0.25
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	338.69	30.44	154.95	318.14	26.57	8.89	25.24	0.25

World Logistics Center
Mobile Emissions - 2033 (Net) - Mitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
42.88	1,256.03	793.06	8.97	11.80	205.27	126.18	343.26	11.26	50.39	49.39	111.04	8.55	111.55	39.67	965,734.21

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
7.83	229.23	144.73	1.64	2.15	37.46	23.03	62.65	2.05	9.20	9.01	20.26	1.56	20.36	7.24	176,246.49

World Logistics Center
Mobile Emissions - 2033 (Net) - Mitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	3,892.32	45.12	204.70	194,063.07	2,249.80	10,205.98
LDT1	297.10	0.05	8.47	14,812.57	2.26	422.26
LDT2	1,463.50	13.94	51.98	72,967.32	695.05	2,591.66
MDT	2,291.28	75.07	88.07	35,100.62	1,150.04	1,349.15
LHDT1	736.19	745.20	-	17,200.16	17,410.52	-
LHDT2	214.93	497.29	-	5,021.57	11,618.53	-
MHDT	362.71	2,149.12	-	16,275.28	96,435.01	-
HHDT	3.16	3,917.67	267.51	141.95	175,793.17	12,003.56

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	137,289.89	1,591.62	7,220.22	56,773.18	658.18	2,985.76
LDT1	10,479.15	1.60	298.73	4,333.42	0.66	123.53
LDT2	51,620.72	491.71	1,833.47	21,346.60	203.34	758.19
MDT	18,834.35	617.09	723.93	16,266.27	532.95	625.22
LHDT1	8,300.54	8,402.06	-	8,899.61	9,008.46	-
LHDT2	2,423.34	5,606.93	-	2,598.23	6,011.60	-
MHDT	3,533.87	20,939.07	-	12,741.41	75,495.95	-
HHDT	30.82	38,170.21	2,606.35	111.13	137,622.96	9,397.21

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	6,864.49	523.96	2,581.04	941.72	415.03	121.17	212.03	1.85	11,661.28
15 mph	2,745.80	209.58	1,032.41	376.69	166.01	48.47	70.68	0.62	4,650.25
20 mph	5,491.60	419.17	2,064.83	753.37	332.02	96.93	141.35	1.23	9,300.51
25 mph	27,457.98	2,095.83	10,324.14	3,766.87	1,660.11	484.67	777.45	6.78	46,573.83
30 mph	30,203.78	2,305.41	11,356.56	4,143.56	1,826.12	533.13	706.77	6.16	51,081.50
35 mph	24,712.18	1,886.25	9,291.73	3,390.18	1,494.10	436.20	318.05	2.77	41,531.46
40 mph	8,237.39	628.75	3,097.24	1,130.06	498.03	145.40	353.39	3.08	14,093.35
45 mph	6,864.49	523.96	2,581.04	941.72	415.03	121.17	282.71	2.47	11,732.58
50 mph	6,864.49	523.96	2,581.04	941.72	415.03	121.17	459.40	4.01	11,910.81
55 mph	5,491.60	419.17	2,064.83	753.37	332.02	96.93	106.02	0.92	9,264.86
60 mph	10,983.19	838.33	4,129.66	1,506.75	664.04	193.87	106.02	0.92	18,422.78
65 mph	1,372.90	104.79	516.21	188.34	83.01	24.23	-	-	2,289.48
70 mph	-	-	-	-	-	-	-	-	-
total	137,289.89	10,479.15	51,620.72	18,834.35	8,300.54	2,423.34	3,533.87	30.82	232,512.69

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	567.73	43.33	213.47	162.66	89.00	25.98	-	-	1,102.17
15 mph	567.73	43.33	213.47	162.66	89.00	25.98	-	-	1,102.17
20 mph	567.73	43.33	213.47	162.66	89.00	25.98	254.83	2.22	1,359.22
25 mph	1,135.46	86.67	426.93	325.33	177.99	51.96	445.95	3.89	2,654.19
30 mph	2,270.93	173.34	853.86	650.65	355.98	103.93	764.48	6.67	5,179.84
35 mph	5,109.59	390.01	1,921.19	1,463.96	800.97	233.84	764.48	6.67	10,690.71
40 mph	5,677.32	433.34	2,134.66	1,626.63	889.96	259.82	700.78	6.11	11,728.62
45 mph	4,541.85	346.67	1,707.73	1,301.30	711.97	207.86	509.66	4.45	9,331.49
50 mph	5,109.59	390.01	1,921.19	1,463.96	800.97	233.84	254.83	2.22	10,176.61
55 mph	2,838.66	216.67	1,067.33	813.31	444.98	129.91	127.41	1.11	5,639.39
60 mph	1,703.20	130.00	640.40	487.99	266.99	77.95	8,918.99	77.79	12,303.30
65 mph	567.73	43.33	213.47	162.66	89.00	25.98	-	-	1,102.17
70 mph	26,115.66	1,993.37	9,819.44	7,482.48	4,093.82	1,195.19	-	-	50,699.97
total	56,773.18	4,333.42	21,346.60	16,266.27	8,899.61	2,598.23	12,741.41	111.13	123,069.86

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	50.59	14.77	23.29	0.27	88.92
15 mph	4,949.41	377.78	1,860.97	545.64	254.00	74.16	113.53	0.99	8,176.48
25 mph	-	-	-	-	482.40	140.84	496.81	4.33	1,124.38
35 mph	21,295.47	1,625.45	8,007.05	2,157.36	-	-	-	-	33,085.34
total	26,244.88	2,003.24	9,868.02	2,703.01	736.40	214.99	610.34	5.32	42,386.20

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	50.59	14.77	23.29	0.27	88.92
10 mph	7,432.23	567.29	2,794.50	1,104.38	504.02	147.15	212.03	1.85	12,763.45
15 mph	8,262.94	630.70	3,106.85	1,084.99	509.01	148.60	184.21	1.61	13,928.91
20 mph	6,059.33	462.50	2,278.29	916.04	421.02	122.92	396.18	3.46	10,659.73
25 mph	28,593.44	2,182.50	10,751.08	4,092.20	2,320.50	677.47	1,720.21	15.00	50,352.39
30 mph	32,474.70	2,478.75	12,210.42	4,794.21	2,182.10	637.06	1,471.26	12.83	56,261.34
35 mph	51,117.24	3,901.71	19,219.98	7,011.51	2,295.06	670.04	1,082.53	9.44	85,307.52
40 mph	13,914.71	1,062.09	5,231.90	2,756.69	1,387.99	405.22	1,054.16	9.19	25,821.97
45 mph	11,406.35	870.63	4,288.76	2,243.02	1,127.00	329.03	792.37	6.91	21,064.06
50 mph	11,974.08	913.97	4,502.23	2,405.68	1,215.99	355.01	714.23	6.23	22,087.42
55 mph	8,330.25	635.84	3,132.16	1,566.69	777.00	226.85	233.43	2.04	14,904.25
60 mph	12,686.39	968.33	4,770.06	1,994.74	931.03	271.81	9,025.00	78.71	30,726.08
65 mph	1,940.63	148.13	729.67	351.01	172.00	50.22	-	-	3,391.65
70 mph	26,115.66	1,993.37	9,819.44	7,482.48	4,093.82	1,195.19	-	-	50,699.97
total	220,307.95	16,815.81	82,835.34	37,803.63	17,936.56	5,236.56	16,885.62	147.27	397,968.75

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	79.58	0.08	24.59	30.85	420.10	280.35	1,256.34	2,290.21	4,382.11
15 mph	31.83	0.03	9.83	12.34	168.04	112.14	418.78	763.40	1,516.41
20 mph	63.66	0.06	19.67	24.68	336.08	224.28	837.56	1,526.81	3,032.81
25 mph	318.32	0.32	98.34	123.42	1,680.41	1,121.39	4,606.59	8,397.45	16,346.24
30 mph	350.16	0.35	108.18	135.76	1,848.45	1,233.53	4,187.81	7,634.04	15,498.28
35 mph	286.49	0.29	88.51	111.08	1,512.37	1,009.25	1,884.52	3,435.32	8,327.82
40 mph	95.50	0.10	29.50	37.03	504.12	336.42	2,093.91	3,817.02	6,913.59
45 mph	79.58	0.08	24.59	30.85	420.10	280.35	1,675.13	3,053.62	5,564.29
50 mph	79.58	0.08	24.59	30.85	420.10	280.35	2,722.08	4,962.13	8,519.76
55 mph	63.66	0.06	19.67	24.68	336.08	224.28	628.17	1,145.11	2,441.72
60 mph	127.33	0.13	39.34	49.37	672.16	448.55	628.17	1,145.11	3,110.16
65 mph	15.92	0.02	4.92	6.17	84.02	56.07	-	-	167.11
70 mph	-	-	-	-	-	-	-	-	-
total	1,591.62	1.60	491.71	617.09	8,402.06	5,606.93	20,939.07	38,170.21	75,820.30

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	6.58	0.01	2.03	5.33	90.08	60.12	-	-	164.15
15 mph	6.58	0.01	2.03	5.33	90.08	60.12	-	-	164.15
20 mph	6.58	0.01	2.03	5.33	90.08	60.12	1,509.92	2,752.46	4,426.53
25 mph	13.16	0.01	4.07	10.66	180.17	120.23	2,642.36	4,816.80	7,787.47
30 mph	26.33	0.03	8.13	21.32	360.34	240.46	4,529.76	8,257.38	13,443.74
35 mph	59.24	0.06	18.30	47.97	810.76	541.04	4,529.76	8,257.38	14,264.50
40 mph	65.82	0.07	20.33	53.29	900.85	601.16	4,152.28	7,569.26	13,363.06
45 mph	52.65	0.05	16.27	42.64	720.68	480.93	3,019.84	5,504.92	9,837.97
50 mph	59.24	0.06	18.30	47.97	810.76	541.04	1,509.92	2,752.46	5,739.74
55 mph	32.91	0.03	10.17	26.65	450.42	300.58	754.96	1,376.23	2,951.95
60 mph	19.75	0.02	6.10	15.99	270.25	180.35	52,847.16	96,336.07	149,675.69
65 mph	6.58	0.01	2.03	5.33	90.08	60.12	-	-	164.15
70 mph	302.76	0.30	93.54	245.16	4,143.89	2,765.34	-	-	7,550.98
total	658.18	0.66	203.34	532.95	9,008.46	6,011.60	75,495.95	137,622.96	229,534.09

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	51.21	34.17	138.00	251.56	474.94
15 mph	57.38	0.06	17.73	17.88	257.11	171.58	672.70	1,226.28	2,420.70
25 mph	-	-	-	-	488.30	325.86	2,943.70	5,366.13	9,123.99
35 mph	246.88	0.25	76.27	70.68	-	-	-	-	394.08
total	304.26	0.31	94.00	88.56	745.41	497.43	3,616.40	6,592.41	11,938.78

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	51.21	34.17	138.00	251.56	474.94
10 mph	86.16	0.09	26.62	36.18	510.19	340.46	1,256.34	2,290.21	4,546.26
15 mph	95.79	0.10	29.59	35.55	515.23	343.83	1,091.48	1,989.68	4,101.26
20 mph	70.25	0.07	21.70	30.01	426.17	284.39	2,347.48	4,279.27	7,459.34
25 mph	331.49	0.33	102.41	134.08	2,348.88	1,567.48	10,192.66	18,580.38	33,257.70
30 mph	376.48	0.38	116.31	157.08	2,208.79	1,473.99	8,717.57	15,891.42	28,942.02
35 mph	592.61	0.60	183.08	229.73	2,323.13	1,550.29	6,414.27	11,692.70	22,986.40
40 mph	161.31	0.16	49.84	90.32	1,404.97	937.58	6,246.18	11,386.28	20,276.65
45 mph	132.24	0.13	40.85	73.49	1,140.78	761.27	4,694.96	8,558.54	15,402.26
50 mph	138.82	0.14	42.89	78.82	1,230.86	821.39	4,232.00	7,714.59	14,259.50
55 mph	96.57	0.10	29.84	51.33	786.51	524.86	1,383.13	2,521.34	5,393.67
60 mph	147.07	0.15	45.44	65.36	942.42	628.90	53,475.33	97,481.18	152,785.85
65 mph	22.50	0.02	6.95	11.50	174.11	116.19	-	-	331.26
70 mph	302.76	0.30	93.54	245.16	4,143.89	2,765.34	-	-	7,550.98
total	2,554.06	2.57	789.05	1,238.60	18,155.92	12,115.96	100,051.42	182,385.58	317,293.16

Surface Street VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	361.01	14.94	91.67	36.20	-	-	-	156.38	660.20
15 mph	144.40	5.97	36.67	14.48	-	-	-	52.13	253.65
20 mph	288.81	11.95	73.34	28.96	-	-	-	104.25	507.31
25 mph	1,444.04	59.75	366.69	144.79	-	-	-	573.40	2,588.67
30 mph	1,588.45	65.72	403.36	159.26	-	-	-	521.27	2,738.06
35 mph	1,299.64	53.77	330.02	130.31	-	-	-	234.57	2,048.31
40 mph	433.21	17.92	110.01	43.44	-	-	-	260.64	865.22
45 mph	361.01	14.94	91.67	36.20	-	-	-	208.51	712.33
50 mph	361.01	14.94	91.67	36.20	-	-	-	338.83	842.64
55 mph	288.81	11.95	73.34	28.96	-	-	-	78.19	481.24
60 mph	577.62	23.90	146.68	57.91	-	-	-	78.19	884.30
65 mph	72.20	2.99	18.33	7.24	-	-	-	-	100.76
70 mph	-	-	-	-	-	-	-	-	-
total	7,220.22	298.73	1,833.47	723.93	-	-	-	2,606.35	12,682.69

Freeway VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	29.86	1.24	7.58	6.25	-	-	-	-	44.93
15 mph	29.86	1.24	7.58	6.25	-	-	-	-	44.93
20 mph	29.86	1.24	7.58	6.25	-	-	-	187.94	232.87
25 mph	59.72	2.47	15.16	12.50	-	-	-	328.90	418.76
30 mph	119.43	4.94	30.33	25.01	-	-	-	563.83	743.54
35 mph	268.72	11.12	68.24	56.27	-	-	-	563.83	968.18
40 mph	298.58	12.35	75.82	62.52	-	-	-	516.85	966.12
45 mph	238.86	9.88	60.66	50.02	-	-	-	375.89	735.30
50 mph	268.72	11.12	68.24	56.27	-	-	-	187.94	592.29
55 mph	149.29	6.18	37.91	31.26	-	-	-	93.97	318.61
60 mph	89.57	3.71	22.75	18.76	-	-	-	6,578.05	6,712.83
65 mph	29.86	1.24	7.58	6.25	-	-	-	-	44.93
70 mph	1,373.45	56.83	348.77	287.60	-	-	-	-	2,066.64
total	2,985.76	123.53	758.19	625.22	-	-	-	9,397.21	13,889.91

Internal VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	17.18	17.18
15 mph	260.29	10.77	66.10	20.97	-	-	-	83.73	441.87
25 mph	-	-	-	-	-	-	-	366.41	366.41
35 mph	1,119.95	46.34	284.39	82.92	-	-	-	-	1,533.60
total	1,380.25	57.11	350.49	103.89	-	-	-	450.14	2,341.88

Total VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	17.18	17.18
10 mph	390.87	16.17	99.26	42.45	-	-	-	156.38	705.13
15 mph	434.56	17.98	110.35	41.70	-	-	-	135.86	740.45
20 mph	318.67	13.18	80.92	35.21	-	-	-	292.20	740.18
25 mph	1,503.76	62.22	381.86	157.29	-	-	-	1,268.71	3,373.83
30 mph	1,707.88	70.66	433.69	184.27	-	-	-	1,085.10	3,481.61
35 mph	2,688.31	111.23	682.66	269.50	-	-	-	798.40	4,550.09
40 mph	731.79	30.28	185.83	105.96	-	-	-	777.48	1,831.33
45 mph	599.87	24.82	152.33	86.21	-	-	-	584.40	1,447.63
50 mph	629.73	26.05	159.91	92.47	-	-	-	526.77	1,434.93
55 mph	438.10	18.13	111.25	60.22	-	-	-	172.16	799.85
60 mph	667.19	27.60	169.42	76.67	-	-	-	6,656.24	7,597.13
65 mph	102.06	4.22	25.92	13.49	-	-	-	-	145.69
70 mph	1,373.45	56.83	348.77	287.60	-	-	-	-	2,066.64
total	7,044.04	291.44	1,788.73	730.42	-	-	-	3,736.66	28,914.49

World Logistics Center
Mobile Emissions - 2033 (Net) - Mitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	24830	330	0.21	5214.2	4899.8	56.8	257.7
	LDT1	15	1832	330	0.21	384.7	374.0	0.1	10.7
	LDT2	15	9168	330	0.21	1925.3	1842.3	17.5	65.4
	MDT	15	2762	330	0.21	580.1	541.5	17.7	20.8
	LHDT1	15	2427	330	0.21	509.6	253.3	256.4	0.0
	LHDT2	15	1167	330	0.21	245.0	73.9	171.1	0.0
	MHDT	15	3715	330	0.21	780.2	112.7	667.6	0.0
	HHDT	15	6195	330	0.21	1301.0	1.0	1216.9	83.1
Travel at Light Logistics	LDA	15	178	175	0.11	19.6	18.4	0.2	1.0
	LDT1	15	13	175	0.11	1.4	1.4	0.0	0.0
	LDT2	15	66	175	0.11	7.2	6.9	0.1	0.2
	MDT	15	17	175	0.11	1.8	1.7	0.1	0.1
	LHDT1	15	10	175	0.11	1.1	0.5	0.5	0.0
	LHDT2	15	5	175	0.11	0.5	0.2	0.4	0.0
	MHDT	15	12	175	0.11	1.3	0.2	1.1	0.0
	HHDT	15	20	175	0.11	2.2	0.0	2.1	0.1
Travel at Utility	LDA	15	202	100	0.06	12.1	11.4	0.1	0.6
	LDT1	15	15	100	0.06	0.9	0.9	0.0	0.0
	LDT2	15	75	100	0.06	4.5	4.3	0.0	0.2
	MDT	15	43	100	0.06	2.6	2.4	0.1	0.1
	LHDT1	15	7	100	0.06	0.4	0.2	0.2	0.0
	LHDT2	15	3	100	0.06	0.2	0.1	0.1	0.0
	MHDT	15	13	100	0.06	0.8	0.1	0.6	0.0
	HHDT	15	21	100	0.06	1.3	0.0	1.2	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	131	50	0.03	3.9	0.6	3.4	0.0
	HHDT	15	218	50	0.03	6.6	0.0	6.1	0.4
Travel at Convenience Store	LDA	15	616	50	0.03	18.5	17.4	0.2	0.9
	LDT1	15	45	50	0.03	1.4	1.3	0.0	0.0
	LDT2	15	228	50	0.03	6.8	6.5	0.1	0.2
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	87	50	0.03	2.6	2.5	0.0	0.1
	LDT1	15	6	50	0.03	0.2	0.2	0.0	0.0
	LDT2	15	32	50	0.03	1.0	0.9	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	4949.4	377.8	1861.0	545.6	254.0	74.2	113.5	1.0
Diesel	57.4	0.1	17.7	17.9	257.1	171.6	672.7	1226.3
Electric/Natural Gas (HHDT Only)	260.3	10.8	66.1	21.0	0.0	0.0	0.0	83.7

World Logistics Center
Mobile Emissions - 2033 (Net) - Mitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	1213	603	610	0	3015.2	3052.0	0.0
	LHDT2	5	583	176	407	0	880.3	2036.7	0.0
	MHDT	5	1858	268	1589	0	1341.2	7947.2	0.0
	HHDT	5	3098	2	2897	198	11.7	14487.1	989.2
Travel at Light Logistics	LHDT1	5	5	2	2	0	12.1	12.3	0.0
	LHDT2	5	2	1	2	0	3.5	8.2	0.0
	MHDT	5	6	1	5	0	4.3	25.7	0.0
	HHDT	5	10	0	9	1	0.0	46.9	3.2
Travel at Utility	LHDT1	5	3	2	2	0	8.2	8.3	0.0
	LHDT2	5	2	0	1	0	2.4	5.5	0.0
	MHDT	5	6	1	5	0	4.5	26.8	0.0
	HHDT	5	10	0	10	1	0.0	48.8	3.3
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	65	9	56	0	47.3	280.2	0.0
	HHDT	5	109	0	102	7	0.4	510.8	34.9
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	50.6	14.8	23.3	0.3
Diesel	51.2	34.2	138.0	251.6
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	17.2

World Logistics Center
Mobile Emissions - 2033 (Net) - Mitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					13.5544	13.7389	27.1522	10.7287
10 mph	0.0140	0.0303	0.0258	0.0301	0.0319	0.0257	0.0643	1.3561
15 mph	0.0094	0.0205	0.0174	0.0202	0.0213	0.0171	0.0430	0.9007
20 mph	0.0066	0.0146	0.0123	0.0143	0.0154	0.0121	0.0303	0.6327
25 mph	0.0048	0.0109	0.0091	0.0106	0.0115	0.0090	0.0223	0.4680
30 mph	0.0038	0.0086	0.0070	0.0083	0.0090	0.0070	0.0172	0.3653
35 mph	0.0031	0.0070	0.0058	0.0068	0.0075	0.0058	0.0141	0.3010
40 mph	0.0027	0.0061	0.0050	0.0059	0.0067	0.0051	0.0123	0.2619
45 mph	0.0024	0.0056	0.0046	0.0054	0.0062	0.0047	0.0112	0.2403
50 mph	0.0024	0.0054	0.0044	0.0052	0.0060	0.0045	0.0108	0.2321
55 mph	0.0024	0.0055	0.0044	0.0053	0.0062	0.0046	0.0111	0.2363
60 mph	0.0025	0.0057	0.0047	0.0055	0.0066	0.0049	0.0118	0.2526
65 mph	0.0028	0.0063	0.0051	0.0061	0.0075	0.0055		
70 mph	0.0030	0.0072	0.0053	0.0067	0.0081	0.0055		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5053	2.3680
10 mph	0.0762	0.2598	0.1965	0.0844	0.5556	0.5580	0.0329	0.0813
15 mph	0.0377	0.1500	0.0961	0.0414	0.2768	0.2783	0.0183	0.0447
20 mph	0.0152	0.0846	0.0375	0.0164	0.1148	0.1156	0.0124	0.0281
25 mph	0.0094	0.0611	0.0225	0.0100	0.0715	0.0722	0.0098	0.0229
30 mph	0.0071	0.0493	0.0170	0.0076	0.0552	0.0557	0.0079	0.0185
35 mph	0.0057	0.0416	0.0136	0.0061	0.0451	0.0454	0.0065	0.0153
40 mph	0.0048	0.0370	0.0112	0.0051	0.0382	0.0384	0.0056	0.0131
45 mph	0.0041	0.0343	0.0095	0.0043	0.0334	0.0335	0.0051	0.0121
50 mph	0.0036	0.0332	0.0082	0.0038	0.0302	0.0303	0.0052	0.0121
55 mph	0.0033	0.0338	0.0072	0.0034	0.0276	0.0278	0.0057	0.0135
60 mph	0.0032	0.0361	0.0068	0.0032	0.0272	0.0274	0.0066	0.0188
65 mph	0.0032	0.0401	0.0069	0.0033	0.0294	0.0296		
70 mph	0.0033	0.0427	0.0069	0.0035	0.0421	0.0404		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0480
10 mph								0.3613
15 mph								0.2316
20 mph								0.1524
25 mph								0.1123
30 mph								0.0851
35 mph								0.0647
40 mph								0.0496
45 mph								0.0384
50 mph								0.0304
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.2123	0.0350	0.1469	0.0625	0.0292	0.0069	0.0301	0.0055	0.5284
15 mph	0.0567	0.0095	0.0395	0.0168	0.0078	0.0018	0.0067	0.0012	0.1400
20 mph	0.0797	0.0135	0.0559	0.0237	0.0112	0.0026	0.0094	0.0017	0.1978
25 mph	0.2933	0.0504	0.2065	0.0880	0.0419	0.0096	0.0382	0.0070	0.7350
30 mph	0.2502	0.0435	0.1765	0.0755	0.0364	0.0082	0.0269	0.0050	0.6221
35 mph	0.1672	0.0293	0.1179	0.0507	0.0248	0.0056	0.0099	0.0018	0.4072
40 mph	0.0484	0.0085	0.0341	0.0147	0.0073	0.0016	0.0096	0.0018	0.1259
45 mph	0.0370	0.0065	0.0261	0.0112	0.0056	0.0012	0.0070	0.0013	0.0960
50 mph	0.0357	0.0063	0.0250	0.0108	0.0055	0.0012	0.0110	0.0021	0.0975
55 mph	0.0290	0.0050	0.0202	0.0088	0.0045	0.0010	0.0026	0.0005	0.0716
60 mph	0.0611	0.0105	0.0424	0.0184	0.0097	0.0021	0.0028	0.0005	0.1474
65 mph	0.0085	0.0014	0.0058	0.0025	0.0014	0.0003	-	-	0.0200
70 mph	-	-	-	-	-	-	-	-	-
total	1.2791	0.2194	0.8968	0.3836	0.1854	0.0421	0.1540	0.0284	3.1888

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0176	0.0029	0.0121	0.0108	0.0063	0.0015	-	-	0.0511
15 mph	0.0117	0.0020	0.0082	0.0072	0.0042	0.0010	-	-	0.0343
20 mph	0.0082	0.0014	0.0058	0.0051	0.0030	0.0007	0.0170	0.0031	0.0444
25 mph	0.0121	0.0021	0.0085	0.0076	0.0045	0.0010	0.0219	0.0040	0.0618
30 mph	0.0188	0.0033	0.0133	0.0119	0.0071	0.0016	0.0290	0.0054	0.0903
35 mph	0.0346	0.0061	0.0244	0.0219	0.0133	0.0030	0.0237	0.0044	0.1314
40 mph	0.0333	0.0059	0.0235	0.0211	0.0131	0.0029	0.0190	0.0035	0.1223
45 mph	0.0245	0.0043	0.0172	0.0155	0.0097	0.0021	0.0126	0.0024	0.0883
50 mph	0.0266	0.0047	0.0186	0.0168	0.0106	0.0023	0.0061	0.0011	0.0868
55 mph	0.0150	0.0026	0.0105	0.0095	0.0061	0.0013	0.0031	0.0006	0.0486
60 mph	0.0095	0.0016	0.0066	0.0060	0.0039	0.0008	0.2327	0.0433	0.3044
65 mph	0.0035	0.0006	0.0024	0.0022	0.0015	0.0003	-	-	0.0105
70 mph	0.1752	0.0318	0.1155	0.1104	0.0733	0.0146	-	-	0.5209
total	0.3907	0.0691	0.2665	0.2460	0.1564	0.0332	0.3652	0.0678	1.5949

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.5120	0.4474	1.3944	0.0065	3.3603
15 mph	0.1022	0.0171	0.0712	0.0243	0.0120	0.0028	0.0108	0.0020	0.2422
25 mph	-	-	-	-	0.0122	0.0028	0.0244	0.0045	0.0439
35 mph	0.1441	0.0252	0.1016	0.0322	-	-	-	-	0.3031
total	0.2463	0.0423	0.1728	0.0565	1.5362	0.4530	1.4295	0.0129	3.9496

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.5120	0.4474	1.3944	0.0065	3.3603
10 mph	0.2299	0.0379	0.1590	0.0733	0.0354	0.0083	0.0301	0.0055	0.5795
15 mph	0.1706	0.0285	0.1189	0.0483	0.0240	0.0056	0.0175	0.0032	0.4165
20 mph	0.0879	0.0149	0.0616	0.0289	0.0143	0.0033	0.0264	0.0048	0.2421
25 mph	0.3055	0.0525	0.2151	0.0956	0.0586	0.0134	0.0845	0.0155	0.8407
30 mph	0.2690	0.0467	0.1898	0.0873	0.0435	0.0098	0.0559	0.0103	0.7124
35 mph	0.3458	0.0606	0.2438	0.1048	0.0382	0.0085	0.0336	0.0063	0.8417
40 mph	0.0817	0.0144	0.0576	0.0358	0.0204	0.0045	0.0285	0.0053	0.2482
45 mph	0.0615	0.0108	0.0433	0.0268	0.0153	0.0034	0.0196	0.0037	0.1843
50 mph	0.0623	0.0109	0.0436	0.0276	0.0161	0.0035	0.0170	0.0032	0.1843
55 mph	0.0440	0.0076	0.0307	0.0182	0.0106	0.0023	0.0057	0.0011	0.1201
60 mph	0.0706	0.0121	0.0490	0.0243	0.0135	0.0029	0.2355	0.0438	0.4519
65 mph	0.0120	0.0020	0.0082	0.0047	0.0028	0.0006	-	-	0.0305
70 mph	0.1752	0.0318	0.1155	0.1104	0.0733	0.0146	-	-	0.5209
total	1.9160	0.3309	1.3361	0.6861	1.8780	0.5284	1.9487	0.1092	8.7333

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0134	0.0000	0.0107	0.0057	0.5147	0.3450	0.0912	0.4107	1.3914
15 mph	0.0026	0.0000	0.0021	0.0011	0.1026	0.0688	0.0169	0.0752	0.2693
20 mph	0.0021	0.0000	0.0016	0.0009	0.0850	0.0572	0.0229	0.0948	0.2646
25 mph	0.0066	0.0000	0.0049	0.0027	0.2651	0.1785	0.0991	0.4243	0.9811
30 mph	0.0055	0.0000	0.0041	0.0023	0.2249	0.1514	0.0729	0.3119	0.7730
35 mph	0.0036	0.0000	0.0026	0.0015	0.1503	0.1010	0.0270	0.1157	0.4017
40 mph	0.0010	0.0000	0.0007	0.0004	0.0425	0.0285	0.0258	0.1106	0.2095
45 mph	0.0007	0.0000	0.0005	0.0003	0.0309	0.0207	0.0190	0.0816	0.1538
50 mph	0.0006	0.0000	0.0004	0.0003	0.0279	0.0187	0.0310	0.1327	0.2118
55 mph	0.0005	0.0000	0.0003	0.0002	0.0205	0.0138	0.0078	0.0340	0.0771
60 mph	0.0009	0.0000	0.0006	0.0003	0.0403	0.0271	0.0092	0.0474	0.1258
65 mph	0.0001	0.0000	0.0001	0.0000	0.0055	0.0037	-	-	0.0093
70 mph	-	-	-	-	-	-	-	-	-
total	0.0376	0.0002	0.0286	0.0158	1.5102	1.0143	0.4227	1.8389	4.8683

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0011	0.0000	0.0009	0.0010	0.1104	0.0740	-	-	0.1873
15 mph	0.0005	0.0000	0.0004	0.0005	0.0550	0.0369	-	-	0.0933
20 mph	0.0002	0.0000	0.0002	0.0002	0.0228	0.0153	0.0414	0.1708	0.2509
25 mph	0.0003	0.0000	0.0002	0.0002	0.0284	0.0191	0.0568	0.2434	0.3485
30 mph	0.0004	0.0000	0.0003	0.0004	0.0438	0.0295	0.0788	0.3374	0.4906
35 mph	0.0007	0.0000	0.0005	0.0006	0.0806	0.0541	0.0649	0.2780	0.4796
40 mph	0.0007	0.0000	0.0005	0.0006	0.0759	0.0509	0.0511	0.2194	0.3990
45 mph	0.0005	0.0000	0.0003	0.0004	0.0530	0.0356	0.0342	0.1471	0.2711
50 mph	0.0005	0.0000	0.0003	0.0004	0.0539	0.0362	0.0172	0.0736	0.1821
55 mph	0.0002	0.0000	0.0002	0.0002	0.0275	0.0185	0.0094	0.0409	0.0968
60 mph	0.0001	0.0000	0.0001	0.0001	0.0162	0.0109	0.7736	3.9843	4.7854
65 mph	0.0000	0.0000	0.0000	0.0000	0.0058	0.0039	-	-	0.0099
70 mph	0.0022	0.0000	0.0014	0.0019	0.3844	0.2461	-	-	0.6361
total	0.0076	0.0001	0.0054	0.0066	0.9578	0.6310	1.1274	5.4949	8.2307

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3583	0.2391	0.1538	1.3135	2.0646
15 mph	0.0048	0.0000	0.0038	0.0016	0.1569	0.1053	0.0271	0.1208	0.4203
25 mph	-	-	-	-	0.0770	0.0519	0.0633	0.2711	0.4633
35 mph	0.0031	0.0000	0.0023	0.0009	-	-	-	-	0.0064
total	0.0079	0.0000	0.0060	0.0026	0.5922	0.3962	0.2442	1.7054	2.9546

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3583	0.2391	0.1538	1.3135	2.0646
10 mph	0.0145	0.0000	0.0115	0.0067	0.6251	0.4189	0.0912	0.4107	1.5787
15 mph	0.0080	0.0000	0.0063	0.0032	0.3145	0.2110	0.0440	0.1960	0.7830
20 mph	0.0024	0.0000	0.0018	0.0011	0.1078	0.0725	0.0643	0.2656	0.5155
25 mph	0.0068	0.0000	0.0051	0.0029	0.3705	0.2495	0.2192	0.9388	1.7929
30 mph	0.0059	0.0000	0.0044	0.0026	0.2688	0.1809	0.1517	0.6493	1.2636
35 mph	0.0075	0.0001	0.0055	0.0031	0.2309	0.1551	0.0919	0.3937	0.8876
40 mph	0.0017	0.0000	0.0012	0.0010	0.1183	0.0794	0.0769	0.3300	0.6085
45 mph	0.0012	0.0000	0.0009	0.0007	0.0840	0.0563	0.0531	0.2287	0.4249
50 mph	0.0011	0.0000	0.0008	0.0007	0.0819	0.0549	0.0482	0.2064	0.3939
55 mph	0.0007	0.0000	0.0005	0.0004	0.0479	0.0322	0.0173	0.0749	0.1739
60 mph	0.0010	0.0000	0.0007	0.0005	0.0566	0.0380	0.7828	4.0317	4.9112
65 mph	0.0002	0.0000	0.0001	0.0001	0.0113	0.0076	-	-	0.0192
70 mph	0.0022	0.0000	0.0014	0.0019	0.3844	0.2461	-	-	0.6361
total	0.0531	0.0003	0.0401	0.0249	3.0602	2.0415	1.7943	9.0392	16.0537

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1246	0.1246
15 mph								0.0266	0.0266
20 mph								0.0350	0.0350
25 mph								0.1420	0.1420
30 mph								0.0978	0.0978
35 mph								0.0335	0.0335
40 mph								0.0285	0.0285
45 mph								0.0177	0.0177
50 mph								0.0227	0.0227
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.5283	0.5283

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0631	0.0631
25 mph								0.0815	0.0815
30 mph								0.1057	0.1057
35 mph								0.0804	0.0804
40 mph								0.0565	0.0565
45 mph								0.0319	0.0319
50 mph								0.0126	0.0126
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.3308	0.3308

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0018	0.0018
15 mph								0.0428	0.0428
25 mph								0.0907	0.0907
35 mph								-	-
total	-	-	-	-	-	-	-	0.1353	0.1353

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0018	0.0018
10 mph								0.1246	0.1246
15 mph								0.0694	0.0694
20 mph								0.0982	0.0982
25 mph								0.3142	0.3142
30 mph								0.2035	0.2035
35 mph								0.1139	0.1139
40 mph								0.0849	0.0849
45 mph								0.0495	0.0495
50 mph								0.0353	0.0353
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.0953	1.0953

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3056	1.0078	0.5416	0.5903	0.9963	0.9296	0.5468	1.4204
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.6225	0.6602	1.7478	2.9823	1.6172	0.4406	0.4373	0.0099
Electric/NG	-	-	-	-	-	-	-	-
Total	**2.6225**	**0.6602**	**1.7478**	**2.9823**	**1.6172**	**0.4406**	**0.4373**	**0.0099**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2701	0.5073	0.4825	0.6495	0.0604	0.0576	0.0501	0.0517
Electric/NG	0.0316	0.0314	0.0314	0.0315	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.1592	0.1662	0.7785	1.6408	0.0490	0.0137	0.0201	0.0002
Electric/NG	0.0071	0.0003	0.0018	0.0031	-	-	-	-
Total	1.1663	0.1665	0.7803	1.6439	0.0490	0.0137	0.0201	0.0002

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1060	0.1410	0.1519	0.1755	0.0632	0.0626	0.1577	0.0013
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.9101	0.0923	0.4903	0.8868	0.1025	0.0296	0.1261	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.9101	0.0923	0.4903	0.8868	0.1025	0.0296	0.1261	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.8703	0.6865	1.5481	1.3218	5.4268
10 mph	0.2444	0.0380	0.1706	0.0801	0.6605	0.4273	0.1212	0.5408	2.2828
15 mph	0.1786	0.0285	0.1251	0.0515	0.3385	0.2166	0.0615	0.2685	1.2688
20 mph	0.0903	0.0149	0.0634	0.0300	0.1221	0.0758	0.0908	0.3685	0.8558
25 mph	0.3123	0.0525	0.2202	0.0985	0.4291	0.2629	0.3037	1.2685	2.9478
30 mph	0.2749	0.0468	0.1942	0.0900	0.3122	0.1907	0.2076	0.8631	2.1795
35 mph	0.3533	0.0607	0.2493	0.1079	0.2690	0.1636	0.1256	0.5138	1.8432
40 mph	0.0834	0.0144	0.0588	0.0368	0.1387	0.0839	0.1054	0.4202	0.9416
45 mph	0.0627	0.0108	0.0442	0.0275	0.0993	0.0597	0.0727	0.2819	0.6587
50 mph	0.0634	0.0109	0.0444	0.0283	0.0980	0.0584	0.0652	0.2449	0.6135
55 mph	0.0447	0.0077	0.0312	0.0186	0.0585	0.0345	0.0230	0.0760	0.2941
60 mph	0.0716	0.0121	0.0497	0.0248	0.0701	0.0409	1.0183	4.0755	5.3630
65 mph	0.0122	0.0020	0.0084	0.0048	0.0141	0.0082	-	-	0.0497
70 mph	0.1775	0.0319	0.1169	0.1123	0.4577	0.2607	-	-	1.1570
RL+HS	2.6225	0.6602	1.7478	2.9823	1.6172	0.4406	0.4373	0.0099	10.5178
RL+DIURN	1.1663	0.1665	0.7803	1.6439	0.0490	0.0137	0.0201	0.0002	3.8399
STREX	0.9101	0.0923	0.4903	0.8868	0.1025	0.0296	0.1261	0.0000	2.6379
total	6.6680	1.2503	4.3946	6.2240	6.7070	3.0537	4.3265	10.2538	**42.8779**

World Logistics Center
Mobile Emissions - 2033 (Net) - Mitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.1812	1.1967	2.4104	27.1057
10 mph	0.0310	0.0568	0.0507	0.0582	0.1007	0.1082	0.2063	4.7404
15 mph	0.0272	0.0493	0.0443	0.0507	0.0881	0.0945	0.1828	4.1853
20 mph	0.0245	0.0439	0.0396	0.0452	0.0804	0.0857	0.1647	3.7718
25 mph	0.0223	0.0396	0.0357	0.0409	0.0736	0.0780	0.1497	3.4493
30 mph	0.0206	0.0365	0.0329	0.0378	0.0691	0.0727	0.1380	3.2091
35 mph	0.0194	0.0343	0.0307	0.0355	0.0659	0.0690	0.1293	3.0318
40 mph	0.0185	0.0328	0.0293	0.0340	0.0635	0.0661	0.1236	2.9034
45 mph	0.0180	0.0319	0.0284	0.0330	0.0620	0.0641	0.1195	2.8215
50 mph	0.0178	0.0319	0.0281	0.0328	0.0618	0.0633	0.1180	2.7914
55 mph	0.0180	0.0327	0.0287	0.0335	0.0630	0.0642	0.1195	2.8222
60 mph	0.0187	0.0345	0.0302	0.0352	0.0652	0.0667	0.1236	2.9132
65 mph	0.0196	0.0367	0.0316	0.0371	0.0687	0.0699		
70 mph	0.0205	0.0404	0.0319	0.0394	0.0768	0.0716		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					35.1674	35.7641	29.2521	28.0010
10 mph	0.0518	0.3155	0.1259	0.0557	0.4585	0.4714	5.2485	10.7275
15 mph	0.0364	0.2942	0.0846	0.0382	0.3659	0.3813	3.6771	7.4323
20 mph	0.0257	0.2810	0.0561	0.0262	0.3379	0.3506	2.9179	5.2907
25 mph	0.0208	0.2761	0.0429	0.0209	0.3213	0.3336	2.2734	4.3477
30 mph	0.0182	0.2740	0.0359	0.0182	0.3297	0.3401	1.6970	3.2451
35 mph	0.0165	0.2707	0.0313	0.0165	0.3509	0.3571	1.2366	2.3654
40 mph	0.0154	0.2763	0.0280	0.0153	0.3684	0.3723	0.8916	1.7133
45 mph	0.0147	0.2853	0.0255	0.0144	0.3828	0.3859	0.6638	1.2820
50 mph	0.0142	0.2906	0.0236	0.0138	0.4033	0.4059	0.5544	1.0631
55 mph	0.0138	0.3029	0.0221	0.0133	0.4023	0.4077	0.5627	1.1066
60 mph	0.0138	0.3153	0.0216	0.0132	0.4103	0.4148	0.6887	1.3336
65 mph	0.0139	0.3123	0.0217	0.0136	0.4588	0.4610		
70 mph	0.0148	0.2559	0.0225	0.0160	0.8974	0.8325		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								30.6166
10 mph								2.2028
15 mph								1.6139
20 mph								1.2385
25 mph								1.0308
30 mph								0.9069
35 mph								0.8198
40 mph								0.7560
45 mph								0.7084
50 mph								0.6733
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.4694	0.0657	0.2888	0.1209	0.0921	0.0289	0.0964	0.0193	1.1816
15 mph	0.1649	0.0228	0.1009	0.0421	0.0322	0.0101	0.0285	0.0057	0.4072
20 mph	0.2962	0.0406	0.1801	0.0752	0.0589	0.0183	0.0513	0.0103	0.7309
25 mph	1.3481	0.1831	0.8130	0.3401	0.2696	0.0834	0.2567	0.0516	3.3454
30 mph	1.3740	0.1858	0.8227	0.3454	0.2780	0.0855	0.2151	0.0436	3.3502
35 mph	1.0579	0.1428	0.6290	0.2655	0.2172	0.0663	0.0907	0.0185	2.4879
40 mph	0.3367	0.0455	0.2000	0.0846	0.0698	0.0212	0.0963	0.0197	0.8739
45 mph	0.2718	0.0369	0.1618	0.0685	0.0568	0.0171	0.0745	0.0153	0.7027
50 mph	0.2687	0.0368	0.1601	0.0680	0.0566	0.0169	0.1195	0.0247	0.7513
55 mph	0.2176	0.0302	0.1309	0.0556	0.0461	0.0137	0.0279	0.0058	0.5279
60 mph	0.4529	0.0638	0.2749	0.1168	0.0954	0.0285	0.0289	0.0059	1.0672
65 mph	0.0592	0.0085	0.0360	0.0154	0.0126	0.0037	-	-	0.1354
70 mph	-	-	-	-	-	-	-	-	-
total	6.3176	0.8624	3.7981	1.5982	1.2852	0.3937	1.0858	0.2204	15.5615

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0388	0.0054	0.0239	0.0209	0.0198	0.0062	-	-	0.1150
15 mph	0.0341	0.0047	0.0209	0.0182	0.0173	0.0054	-	-	0.1005
20 mph	0.0306	0.0042	0.0186	0.0162	0.0158	0.0049	0.0926	0.0185	0.2014
25 mph	0.0557	0.0076	0.0336	0.0294	0.0289	0.0089	0.1472	0.0296	0.3410
30 mph	0.1033	0.0140	0.0619	0.0542	0.0542	0.0167	0.2326	0.0472	0.5840
35 mph	0.2187	0.0295	0.1300	0.1147	0.1164	0.0356	0.2179	0.0446	0.9075
40 mph	0.2321	0.0314	0.1378	0.1218	0.1247	0.0378	0.1910	0.0391	0.9158
45 mph	0.1798	0.0244	0.1070	0.0946	0.0974	0.0294	0.1342	0.0277	0.6946
50 mph	0.2000	0.0274	0.1192	0.1058	0.1092	0.0327	0.0663	0.0137	0.6741
55 mph	0.1125	0.0156	0.0677	0.0601	0.0618	0.0184	0.0336	0.0069	0.3765
60 mph	0.0702	0.0099	0.0426	0.0378	0.0384	0.0115	2.4301	0.4997	3.1402
65 mph	0.0245	0.0035	0.0149	0.0133	0.0135	0.0040	-	-	0.0737
70 mph	1.1785	0.1776	0.6915	0.6505	0.6928	0.1888	-	-	3.5797
total	2.4790	0.3552	1.4696	1.3374	1.3900	0.4002	3.5456	0.7269	11.7039

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1318	0.0390	0.1238	0.0164	0.3109
15 mph	0.2973	0.0411	0.1818	0.0609	0.0493	0.0154	0.0458	0.0091	0.7008
25 mph	-	-	-	-	0.0783	0.0242	0.1640	0.0330	0.2995
35 mph	0.9116	0.1231	0.5420	0.1690	-	-	-	-	1.7457
total	1.2089	0.1641	0.7238	0.2299	0.2594	0.0786	0.3336	0.0585	3.0569

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1318	0.0390	0.1238	0.0164	0.3109
10 mph	0.5083	0.0711	0.3126	0.1418	0.1119	0.0351	0.0964	0.0193	1.2966
15 mph	0.4963	0.0686	0.3035	0.1212	0.0988	0.0310	0.0742	0.0148	1.2085
20 mph	0.3269	0.0448	0.1987	0.0914	0.0747	0.0232	0.1439	0.0287	0.9323
25 mph	1.4038	0.1907	0.8466	0.3695	0.3768	0.1165	0.5679	0.1141	3.9859
30 mph	1.4774	0.1997	0.8846	0.3997	0.3322	0.1021	0.4477	0.0908	3.9342
35 mph	2.1883	0.2954	1.3010	0.5492	0.3336	0.1019	0.3086	0.0631	5.1411
40 mph	0.5688	0.0769	0.3378	0.2064	0.1944	0.0590	0.2874	0.0589	1.7896
45 mph	0.4516	0.0613	0.2688	0.1631	0.1542	0.0465	0.2087	0.0430	1.3973
50 mph	0.4687	0.0642	0.2792	0.1738	0.1658	0.0496	0.1858	0.0383	1.4254
55 mph	0.3301	0.0458	0.1985	0.1157	0.1079	0.0321	0.0615	0.0127	0.9044
60 mph	0.5231	0.0737	0.3176	0.1546	0.1338	0.0400	2.4589	0.5056	4.2074
65 mph	0.0837	0.0120	0.0509	0.0287	0.0261	0.0077	-	-	0.2091
70 mph	1.1785	0.1776	0.6915	0.6505	0.6928	0.1888	-	-	3.5797
total	10.0055	1.3818	5.9915	3.1656	2.9347	0.8726	4.9650	1.0058	30.3224

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0091	0.0001	0.0068	0.0038	0.4247	0.2914	14.5395	54.1728	69.4482
15 mph	0.0026	0.0000	0.0018	0.0010	0.1356	0.0943	3.3955	12.5108	16.1417
20 mph	0.0036	0.0000	0.0024	0.0014	0.2504	0.1734	5.3888	17.8117	23.6318
25 mph	0.0146	0.0002	0.0093	0.0057	1.1904	0.8249	23.0924	80.5042	105.6416
30 mph	0.0141	0.0002	0.0086	0.0054	1.3436	0.9250	15.6705	54.6245	72.5919
35 mph	0.0104	0.0002	0.0061	0.0041	1.1703	0.7947	5.1383	17.9178	25.0420
40 mph	0.0032	0.0001	0.0018	0.0012	0.4095	0.2762	4.1168	14.4204	19.2293
45 mph	0.0026	0.0001	0.0014	0.0010	0.3546	0.2385	2.4520	8.6322	11.6824
50 mph	0.0025	0.0001	0.0013	0.0009	0.3736	0.2509	3.3278	11.6319	15.5890
55 mph	0.0019	0.0000	0.0010	0.0007	0.2981	0.2016	0.7794	2.7942	4.0770
60 mph	0.0039	0.0001	0.0019	0.0014	0.6081	0.4103	0.9539	3.3672	5.3468
65 mph	0.0005	0.0000	0.0002	0.0002	0.0850	0.0570	-	-	0.1429
70 mph	-	-	-	-	-	-	-	-	-
total	0.0690	0.0010	0.0426	0.0269	6.6439	4.5382	78.8549	278.3878	368.5644

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0008	0.0000	0.0006	0.0007	0.0911	0.0625	-	-	0.1555
15 mph	0.0005	0.0000	0.0004	0.0004	0.0727	0.0506	-	-	0.1246
20 mph	0.0004	0.0000	0.0003	0.0003	0.0671	0.0465	9.7146	32.1101	41.9393
25 mph	0.0006	0.0000	0.0004	0.0005	0.1276	0.0884	13.2459	46.1774	59.6409
30 mph	0.0011	0.0000	0.0006	0.0009	0.2619	0.1803	16.9500	59.0847	76.4795
35 mph	0.0022	0.0000	0.0013	0.0017	0.6274	0.4261	12.3509	43.0685	56.4780
40 mph	0.0022	0.0000	0.0013	0.0018	0.7318	0.4935	8.1637	28.5961	37.9904
45 mph	0.0017	0.0000	0.0009	0.0014	0.6083	0.4092	4.4204	15.5617	21.0036
50 mph	0.0019	0.0000	0.0010	0.0015	0.7211	0.4843	1.8459	6.4521	9.5077
55 mph	0.0010	0.0000	0.0005	0.0008	0.3995	0.2702	0.9367	3.3582	4.9669
60 mph	0.0006	0.0000	0.0003	0.0005	0.2445	0.1650	80.2491	283.2811	363.9411
65 mph	0.0002	0.0000	0.0001	0.0002	0.0911	0.0611	-	-	0.1527
70 mph	0.0099	0.0002	0.0046	0.0086	8.2002	5.0760	-	-	13.2996
total	0.0230	0.0004	0.0121	0.0192	12.2443	7.8136	147.8771	517.6901	685.6798

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.9710	2.6949	8.9010	15.5318	31.0986
15 mph	0.0046	0.0000	0.0033	0.0015	0.2074	0.1443	5.4543	20.0965	25.9119
25 mph	-	-	-	-	0.3459	0.2397	14.7565	51.4437	66.7858
35 mph	0.0090	0.0001	0.0053	0.0026	-	-	-	-	0.0170
total	0.0136	0.0002	0.0086	0.0041	4.5243	3.0789	29.1118	87.0720	123.8134

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.9710	2.6949	8.9010	15.5318	31.0986
10 mph	0.0098	0.0001	0.0074	0.0044	0.5158	0.3539	14.5395	54.1728	69.6037
15 mph	0.0077	0.0001	0.0055	0.0030	0.4157	0.2891	8.8498	32.6073	42.1782
20 mph	0.0040	0.0000	0.0027	0.0017	0.3176	0.2199	15.1034	49.9218	65.5711
25 mph	0.0152	0.0002	0.0097	0.0062	1.6639	1.1531	51.0948	178.1253	232.0684
30 mph	0.0151	0.0002	0.0092	0.0063	1.6055	1.1053	32.6205	113.7092	149.0714
35 mph	0.0216	0.0004	0.0126	0.0084	1.7977	1.2208	17.4892	60.9863	81.5369
40 mph	0.0055	0.0001	0.0031	0.0030	1.1413	0.7697	12.2805	43.0166	57.2197
45 mph	0.0043	0.0001	0.0023	0.0023	0.9629	0.6478	6.8724	24.1939	32.6860
50 mph	0.0044	0.0001	0.0022	0.0024	1.0947	0.7352	5.1737	18.0840	25.0967
55 mph	0.0029	0.0001	0.0015	0.0015	0.6977	0.4718	1.7160	6.1525	9.0439
60 mph	0.0045	0.0001	0.0022	0.0019	0.8526	0.5752	81.2030	286.6484	369.2878
65 mph	0.0007	0.0000	0.0003	0.0003	0.1761	0.1181	-	-	0.2956
70 mph	0.0099	0.0002	0.0046	0.0086	8.2002	5.0760	-	-	13.2996
total	0.1056	0.0016	0.0633	0.0502	23.4126	15.4306	255.8438	883.1499	1,178.0576

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.7596	0.7596
15 mph								0.1855	0.1855
20 mph								0.2847	0.2847
25 mph								1.3033	1.3033
30 mph								1.0424	1.0424
35 mph								0.4240	0.4240
40 mph								0.4345	0.4345
45 mph								0.3257	0.3257
50 mph								0.5031	0.5031
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.2627	5.2627

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.5132	0.5132
25 mph								0.7476	0.7476
30 mph								1.1275	1.1275
35 mph								1.0192	1.0192
40 mph								0.8615	0.8615
45 mph								0.5872	0.5872
50 mph								0.2790	0.2790
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.4076	3.4076

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.1596	1.1596
15 mph								0.2980	0.2980
25 mph								0.8328	0.8328
35 mph								-	-
total	-	-	-	-	-	-	-	2.2904	2.2904

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.1596	1.1596
10 mph								0.7596	0.7596
15 mph								0.4835	0.4835
20 mph								0.7979	0.7979
25 mph								2.8838	2.8838
30 mph								2.1699	2.1699
35 mph								1.4433	1.4433
40 mph								1.2960	1.2960
45 mph								0.9129	0.9129
50 mph								0.7821	0.7821
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	12.6885	12.6885

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	4.1027	2.7339	9.0248	16.7078	32.5691
10 mph	0.5181	0.0712	0.3200	0.1463	0.6277	0.3890	14.6359	54.9517	71.6599
15 mph	0.5040	0.0686	0.3091	0.1242	0.5145	0.3201	8.9241	33.1056	43.8701
20 mph	0.3308	0.0448	0.2014	0.0931	0.3922	0.2431	15.2473	50.7485	67.3013
25 mph	1.4190	0.1909	0.8563	0.3756	2.0407	1.2696	51.6628	181.1232	238.9381
30 mph	1.4925	0.1999	0.8938	0.4060	1.9378	1.2074	33.0682	115.9699	155.1755
35 mph	2.2099	0.2957	1.3137	0.5575	2.1313	1.3227	17.7978	62.4927	88.1213
40 mph	0.5743	0.0770	0.3409	0.2094	1.3357	0.8287	12.5678	44.3714	60.3053
45 mph	0.4559	0.0614	0.2711	0.1655	1.1171	0.6943	7.0811	25.1498	34.9962
50 mph	0.4730	0.0643	0.2815	0.1762	1.2604	0.7847	5.3595	18.9045	27.3042
55 mph	0.3331	0.0459	0.2000	0.1172	0.8055	0.5039	1.7775	6.1651	9.9483
60 mph	0.5276	0.0738	0.3197	0.1565	0.9863	0.6152	83.6619	287.1540	373.4952
65 mph	0.0844	0.0120	0.0512	0.0291	0.2022	0.1258	-	-	0.5047
70 mph	1.1884	0.1778	0.6961	0.6591	8.8931	5.2648	-	-	16.8793
STREX	1.0582	0.0968	0.4885	0.8665	0.5712	0.1728	10.4863	21.2211	34.9614
total	11.1692	1.4801	6.5434	4.0823	26.9185	16.4760	271.2950	918.0653	**1,256.0299**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1233	0.1477	0.1514	0.1715	0.3519	0.3645	0.3253	0.0752
Diesel	-	-	-	-	-	-	2.1580	2.4565
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.0582	0.0968	0.4885	0.8665	0.5712	0.1728	0.2602	0.0005
Diesel	-	-	-	-	-	-	10.2261	21.2206
Electric/NG	-	-	-	-	-	-	-	-
Total	1.0582	0.0968	0.4885	0.8665	0.5712	0.1728	10.4863	21.2211

World Logistics Center
Mobile Emissions - 2033 (Net) - Mitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					154.9223	155.0638	387.7589	273.1447
10 mph	0.7341	0.9906	0.9514	0.9938	0.4270	0.3248	0.6076	49.6634
15 mph	0.6692	0.8958	0.8654	0.9021	0.3663	0.2896	0.5541	45.2188
20 mph	0.6128	0.8162	0.7908	0.8242	0.3263	0.2619	0.5076	41.3222
25 mph	0.5620	0.7450	0.7233	0.7542	0.2910	0.2370	0.4620	37.8661
30 mph	0.5170	0.6829	0.6637	0.6929	0.2638	0.2160	0.4206	34.7923
35 mph	0.4773	0.6292	0.6110	0.6392	0.2433	0.1986	0.3852	32.0890
40 mph	0.4426	0.5836	0.5664	0.5928	0.2276	0.1847	0.3579	29.7559
45 mph	0.4129	0.5447	0.5283	0.5530	0.2155	0.1727	0.3315	27.6657
50 mph	0.3849	0.5096	0.4923	0.5162	0.2067	0.1621	0.3094	25.7880
55 mph	0.3580	0.4758	0.4584	0.4812	0.2024	0.1542	0.2914	24.0970
60 mph	0.3277	0.4382	0.4207	0.4420	0.2009	0.1476	0.2742	22.5322
65 mph	0.3035	0.4092	0.3901	0.4110	0.2085	0.1448		
70 mph	0.2969	0.4150	0.3775	0.4045	0.2103	0.1304		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	21.3917	34.9634
10 mph	2.0777	2.1891	1.9642	2.3021	2.4363	2.4653	0.4901	1.3562
15 mph	1.0157	1.2029	0.9593	1.1246	1.2142	1.2287	0.2653	0.7264
20 mph	0.3983	0.6196	0.3737	0.4390	0.5083	0.5145	0.1772	0.4500
25 mph	0.2407	0.4373	0.2246	0.2648	0.3201	0.3242	0.1354	0.3562
30 mph	0.1826	0.3552	0.1698	0.2009	0.2501	0.2530	0.1039	0.2733
35 mph	0.1459	0.3036	0.1351	0.1606	0.2080	0.2099	0.0784	0.2062
40 mph	0.1209	0.2765	0.1115	0.1328	0.1802	0.1814	0.0587	0.1549
45 mph	0.1030	0.2656	0.0946	0.1129	0.1620	0.1629	0.0450	0.1192
50 mph	0.0900	0.2666	0.0819	0.0982	0.1523	0.1529	0.0373	0.0983
55 mph	0.0800	0.2856	0.0722	0.0869	0.1460	0.1467	0.0356	0.0949
60 mph	0.0765	0.3257	0.0683	0.0825	0.1520	0.1524	0.0398	0.1053
65 mph	0.0779	0.3840	0.0687	0.0838	0.1782	0.1779		
70 mph	0.0806	0.3866	0.0693	0.0880	0.3026	0.2859		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								34.0527
10 mph								35.8120
15 mph								25.2179
20 mph								18.2408
25 mph								13.3693
30 mph								9.8546
35 mph								7.2645
40 mph								5.3559
45 mph								3.9495
50 mph								2.9133
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	11.1118	1.1445	5.4145	2.0637	0.3907	0.0868	0.2841	0.2025	20.6986
15 mph	4.0516	0.4140	1.9700	0.7493	0.1341	0.0309	0.0863	0.0615	7.4977
20 mph	7.4202	0.7544	3.6005	1.3692	0.2389	0.0560	0.1582	0.1123	13.7097
25 mph	34.0249	3.4427	16.4668	6.2646	1.0652	0.2533	0.7921	0.5662	62.8756
30 mph	34.4346	3.4717	16.6199	6.3308	1.0623	0.2539	0.6554	0.4729	63.3015
35 mph	26.0099	2.6170	12.5180	4.7781	0.8015	0.1911	0.2702	0.1963	47.3820
40 mph	8.0385	0.8091	3.8680	1.4770	0.2500	0.0592	0.2789	0.2022	14.9828
45 mph	6.2491	0.6293	3.0065	1.1484	0.1972	0.0461	0.2067	0.1504	11.6337
50 mph	5.8259	0.5887	2.8020	1.0719	0.1891	0.0433	0.3134	0.2278	11.0622
55 mph	4.3351	0.4398	2.0871	0.7994	0.1482	0.0330	0.0681	0.0491	7.9599
60 mph	7.9372	0.8101	3.8305	1.4685	0.2941	0.0631	0.0641	0.0459	14.5135
65 mph	0.9189	0.0946	0.4440	0.1707	0.0382	0.0077	-	-	1.6740
70 mph	-	-	-	-	-	-	-	-	-
total	150.3577	15.2157	72.6277	27.6915	4.8094	1.1245	3.1775	2.2872	277.2911

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.9190	0.0947	0.4478	0.3565	0.0838	0.0186	-	-	1.9203
15 mph	0.8377	0.0856	0.4073	0.3236	0.0719	0.0166	-	-	1.7427
20 mph	0.7671	0.0780	0.3722	0.2956	0.0640	0.0150	0.2852	0.2025	2.0797
25 mph	1.4070	0.1424	0.6809	0.5410	0.1142	0.0272	0.4543	0.3248	3.6918
30 mph	2.5890	0.2610	1.2496	0.9941	0.2071	0.0495	0.7089	0.5115	6.5708
35 mph	5.3779	0.5411	2.5883	2.0633	0.4297	0.1024	0.6494	0.4718	12.2238
40 mph	5.5402	0.5576	2.6659	2.1260	0.4467	0.1058	0.5530	0.4010	12.3963
45 mph	4.1347	0.4164	1.9893	1.5868	0.3383	0.0792	0.3725	0.2712	9.1883
50 mph	4.3365	0.4382	2.0857	1.6663	0.3650	0.0836	0.1739	0.1264	9.2756
55 mph	2.2409	0.2273	1.0789	0.8630	0.1986	0.0442	0.0819	0.0590	4.7938
60 mph	1.2308	0.1256	0.5940	0.4756	0.1182	0.0254	5.3917	3.8649	11.8262
65 mph	0.3800	0.0391	0.1836	0.1474	0.0409	0.0083	-	-	0.7993
70 mph	17.0989	1.8241	8.1730	6.6743	1.8985	0.3436	-	-	36.0125
total	46.8598	4.8311	22.5164	18.1137	4.3770	0.9193	8.6708	6.2330	112.5211

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	17.2818	5.0500	19.9129	0.1655	42.4103
15 mph	7.3032	0.7462	3.5509	1.0854	0.2052	0.0474	0.1387	0.0987	13.1757
25 mph	-	-	-	-	0.3095	0.0736	0.5061	0.3618	1.2511
35 mph	22.4138	2.2552	10.7872	3.0406	-	-	-	-	38.4968
total	29.7170	3.0014	14.3382	4.1259	17.7965	5.1710	20.5578	0.6260	95.3338

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	17.2818	5.0500	19.9129	0.1655	42.4103
10 mph	12.0308	1.2391	5.8624	2.4201	0.4745	0.1054	0.2841	0.2025	22.6189
15 mph	12.1926	1.2458	5.9282	2.1582	0.4112	0.0949	0.2250	0.1602	22.4161
20 mph	8.1873	0.8324	3.9727	1.6649	0.3029	0.0710	0.4435	0.3148	15.7895
25 mph	35.4319	3.5850	17.1477	6.8056	1.4889	0.3541	1.7525	1.2527	67.8185
30 mph	37.0236	3.7327	17.8695	7.3249	1.2694	0.3034	1.3644	0.9844	69.8723
35 mph	53.8016	5.4133	25.8934	9.8819	1.2312	0.2935	0.9196	0.6681	98.1025
40 mph	13.5787	1.3667	6.5338	3.6031	0.6967	0.1650	0.8319	0.6032	27.3790
45 mph	10.3838	1.0456	4.9958	2.7352	0.5355	0.1253	0.5792	0.4216	20.8220
50 mph	10.1623	1.0270	4.8877	2.7382	0.5542	0.1269	0.4873	0.3542	20.3378
55 mph	6.5760	0.6671	3.1660	1.6625	0.3468	0.0771	0.1500	0.1082	12.7536
60 mph	9.1680	0.9357	4.4245	1.9442	0.4123	0.0885	5.4557	3.9108	26.3397
65 mph	1.2989	0.1337	0.6276	0.3181	0.0791	0.0160	-	-	2.4733
70 mph	17.0989	1.8241	8.1730	6.6743	1.8985	0.3436	-	-	36.0125
total	226.9345	23.0482	109.4823	49.9311	26.9829	7.2148	32.4061	9.1463	485.1461

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.3646	0.0004	0.1065	0.1566	2.2568	1.5239	1.3576	6.8488	12.6152
15 mph	0.0713	0.0001	0.0208	0.0306	0.4499	0.3038	0.2450	1.2227	2.3441
20 mph	0.0559	0.0001	0.0162	0.0239	0.3767	0.2544	0.3273	1.5151	2.5696
25 mph	0.1689	0.0003	0.0487	0.0721	1.1860	0.8015	1.3757	6.5963	10.2496
30 mph	0.1410	0.0003	0.0405	0.0601	1.0193	0.6882	0.9597	4.6008	7.5099
35 mph	0.0922	0.0002	0.0264	0.0393	0.6937	0.4670	0.3256	1.5616	3.2060
40 mph	0.0255	0.0001	0.0073	0.0108	0.2003	0.1346	0.2711	1.3041	1.9537
45 mph	0.0181	0.0000	0.0051	0.0077	0.1501	0.1007	0.1664	0.8023	1.2504
50 mph	0.0158	0.0000	0.0044	0.0067	0.1411	0.0945	0.2241	1.0760	1.5627
55 mph	0.0112	0.0000	0.0031	0.0047	0.1082	0.0725	0.0493	0.2396	0.4888
60 mph	0.0215	0.0001	0.0059	0.0090	0.2253	0.1507	0.0551	0.2658	0.7334
65 mph	0.0027	0.0000	0.0007	0.0011	0.0330	0.0220	-	-	0.0596
70 mph	-	-	-	-	-	-	-	-	-
total	0.9887	0.0016	0.2857	0.4227	6.8404	4.6140	5.3569	26.0330	44.5430

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0302	0.0000	0.0088	0.0271	0.4839	0.3268	-	-	0.8768
15 mph	0.0147	0.0000	0.0043	0.0132	0.2412	0.1629	-	-	0.4363
20 mph	0.0058	0.0000	0.0017	0.0052	0.1010	0.0682	0.5901	2.7313	3.5031
25 mph	0.0070	0.0000	0.0020	0.0062	0.1272	0.0859	0.7891	3.7837	4.8011
30 mph	0.0106	0.0000	0.0030	0.0094	0.1987	0.1342	1.0380	4.9765	6.3705
35 mph	0.0191	0.0000	0.0055	0.0170	0.3719	0.2504	0.7827	3.7535	5.2000
40 mph	0.0175	0.0000	0.0050	0.0156	0.3580	0.2405	0.5377	2.5860	3.7604
45 mph	0.0120	0.0000	0.0034	0.0106	0.2575	0.1727	0.2999	1.4463	2.2025
50 mph	0.0118	0.0000	0.0033	0.0104	0.2723	0.1824	0.1243	0.5968	1.2014
55 mph	0.0058	0.0000	0.0016	0.0051	0.1450	0.0972	0.0592	0.2880	0.6020
60 mph	0.0033	0.0000	0.0009	0.0029	0.0906	0.0606	4.6335	22.3585	27.1504
65 mph	0.0011	0.0000	0.0003	0.0010	0.0354	0.0236	-	-	0.0614
70 mph	0.0538	0.0003	0.0143	0.0476	2.7645	1.7434	-	-	4.6238
total	0.1927	0.0005	0.0541	0.1712	5.4471	3.5488	8.8546	42.5207	60.7897

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.9697	1.9818	6.5092	19.3937	30.8543
15 mph	0.1285	0.0002	0.0375	0.0443	0.6884	0.4648	0.3935	1.9640	3.7212
25 mph	-	-	-	-	0.3446	0.2329	0.8791	4.2152	5.6718
35 mph	0.0794	0.0002	0.0227	0.0250	-	-	-	-	0.1274
total	0.2079	0.0003	0.0602	0.0694	4.0027	2.6795	7.7817	25.5729	40.3747

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.9697	1.9818	6.5092	19.3937	30.8543
10 mph	0.3947	0.0004	0.1153	0.1837	2.7407	1.8507	1.3576	6.8488	13.4920
15 mph	0.2145	0.0003	0.0626	0.0881	1.3794	0.9315	0.6384	3.1867	6.5017
20 mph	0.0617	0.0001	0.0179	0.0291	0.4776	0.3227	0.9174	4.2463	6.0727
25 mph	0.1759	0.0003	0.0507	0.0783	1.6578	1.1204	3.0439	14.5952	20.7226
30 mph	0.1516	0.0003	0.0435	0.0696	1.2180	0.8224	1.9977	9.5773	13.8803
35 mph	0.1907	0.0004	0.0545	0.0813	1.0655	0.7174	1.1084	5.3151	8.5333
40 mph	0.0430	0.0001	0.0123	0.0265	0.5583	0.3751	0.8088	3.8901	5.7141
45 mph	0.0300	0.0001	0.0085	0.0183	0.4076	0.2734	0.4663	2.2486	3.4529
50 mph	0.0275	0.0001	0.0077	0.0171	0.4135	0.2770	0.3484	1.6728	2.7641
55 mph	0.0170	0.0001	0.0048	0.0098	0.2531	0.1697	0.1085	0.5277	1.0907
60 mph	0.0248	0.0001	0.0068	0.0119	0.3159	0.2113	4.6886	22.6243	27.8838
65 mph	0.0039	0.0000	0.0011	0.0021	0.0684	0.0456	-	-	0.1211
70 mph	0.0538	0.0003	0.0143	0.0476	2.7645	1.7434	-	-	4.6238
total	1.3893	0.0025	0.4000	0.6633	16.2902	10.8423	21.9932	94.1266	145.7074

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								12.3487	12.3487
15 mph								2.8985	2.8985
20 mph								4.1932	4.1932
25 mph								16.9033	16.9033
30 mph								11.3268	11.3268
35 mph								3.7574	3.7574
40 mph								3.0780	3.0780
45 mph								1.8158	1.8158
50 mph								2.1766	2.1766
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	58.4984	58.4984

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								7.5593	7.5593
25 mph								9.6958	9.6958
30 mph								12.2517	12.2517
35 mph								9.0316	9.0316
40 mph								6.1038	6.1038
45 mph								3.2735	3.2735
50 mph								1.2073	1.2073
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	38.5384	38.5384

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.2898	1.2898
15 mph								4.6560	4.6560
25 mph								10.8016	10.8016
35 mph								-	-
total	-	-	-	-	-	-	-	16.7473	16.7473

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.2898	1.2898
10 mph								12.3487	12.3487
15 mph								7.5545	7.5545
20 mph								11.7525	11.7525
25 mph								37.4007	37.4007
30 mph								23.5786	23.5786
35 mph								12.7890	12.7890
40 mph								9.1818	9.1818
45 mph								5.0893	5.0893
50 mph								3.3839	3.3839
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	124.3687	124.3687

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	20.2515	7.0318	26.4221	20.8489	74.5543
10 mph	12.4256	1.2396	5.9776	2.6038	3.2153	1.9561	1.6416	19.4000	48.4596
15 mph	12.4071	1.2461	5.9908	2.2463	1.7906	1.0264	0.8635	10.9015	36.4724
20 mph	8.2490	0.8325	3.9906	1.6939	0.7805	0.3936	1.3609	16.3137	33.6147
25 mph	35.6078	3.5854	17.1984	6.8839	3.1467	1.4744	4.7965	53.2486	125.9417
30 mph	37.1752	3.7330	17.9130	7.3944	2.4874	1.1258	3.3621	34.1403	107.3312
35 mph	53.9923	5.4137	25.9480	9.9633	2.2967	1.0109	2.0279	18.7721	119.4249
40 mph	13.6217	1.3668	6.5461	3.6295	1.2550	0.5401	1.6407	13.6751	42.2749
45 mph	10.4138	1.0457	5.0043	2.7535	0.9431	0.3987	1.0455	7.7595	29.3642
50 mph	10.1899	1.0270	4.8954	2.7553	0.9676	0.4039	0.8357	5.4109	26.4857
55 mph	6.5931	0.6671	3.1708	1.6723	0.5999	0.2469	0.2585	0.6358	13.8443
60 mph	9.1928	0.9358	4.4313	1.9560	0.7283	0.2998	10.1443	26.5351	54.2234
65 mph	1.3028	0.1337	0.6286	0.3202	0.1475	0.0616	-	-	2.5944
70 mph	17.1527	1.8244	8.1873	6.7219	4.6631	2.0870	-	-	40.6363
STREX	13.6005	1.0932	6.6185	10.9494	2.3568	0.6690	2.5155	0.0341	37.8369
total	241.9243	24.1439	116.5008	61.5437	45.6299	18.7260	56.9148	227.6756	**793.0590**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.5847	1.6688	2.0510	2.1672	1.4518	1.4116	3.1453	4.8827
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	13.6005	1.0932	6.6185	10.9494	2.3568	0.6690	2.5155	0.0341
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	13.6005	1.0932	6.6185	10.9494	2.3568	0.6690	2.5155	0.0341

World Logistics Center
Mobile Emissions - 2033 (Net) - Mitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0505	0.0505	0.1271	0.1944
10 mph	0.0040	0.0047	0.0048	0.0058	0.0132	0.0152	0.0270	0.0316
15 mph	0.0033	0.0039	0.0039	0.0048	0.0108	0.0124	0.0221	0.0260
20 mph	0.0027	0.0032	0.0032	0.0040	0.0090	0.0103	0.0184	0.0216
25 mph	0.0023	0.0028	0.0028	0.0034	0.0077	0.0088	0.0157	0.0185
30 mph	0.0021	0.0024	0.0025	0.0030	0.0068	0.0078	0.0140	0.0164
35 mph	0.0019	0.0023	0.0023	0.0028	0.0063	0.0073	0.0130	0.0152
40 mph	0.0019	0.0022	0.0022	0.0027	0.0061	0.0070	0.0125	0.0147
45 mph	0.0019	0.0022	0.0022	0.0027	0.0061	0.0071	0.0126	0.0147
50 mph	0.0019	0.0023	0.0023	0.0028	0.0063	0.0073	0.0130	0.0151
55 mph	0.0020	0.0024	0.0024	0.0029	0.0066	0.0076	0.0135	0.0157
60 mph	0.0021	0.0024	0.0024	0.0030	0.0068	0.0079	0.0140	0.0163
65 mph	0.0021	0.0025	0.0025	0.0031	0.0070	0.0081		
70 mph	0.0021	0.0025	0.0025	0.0032	0.0071	0.0082		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0314	0.0508	0.0526	0.0466
10 mph	0.0033	0.0068	0.0044	0.0054	0.0081	0.0091	0.0158	0.0240
15 mph	0.0027	0.0056	0.0036	0.0046	0.0053	0.0061	0.0124	0.0180
20 mph	0.0022	0.0046	0.0030	0.0038	0.0045	0.0052	0.0106	0.0153
25 mph	0.0019	0.0039	0.0025	0.0032	0.0040	0.0046	0.0093	0.0128
30 mph	0.0016	0.0033	0.0022	0.0028	0.0036	0.0042	0.0081	0.0113
35 mph	0.0015	0.0030	0.0020	0.0026	0.0037	0.0042	0.0073	0.0102
40 mph	0.0014	0.0028	0.0018	0.0024	0.0036	0.0040	0.0067	0.0093
45 mph	0.0013	0.0027	0.0018	0.0023	0.0035	0.0039	0.0063	0.0088
50 mph	0.0013	0.0027	0.0018	0.0023	0.0036	0.0040	0.0062	0.0086
55 mph	0.0014	0.0028	0.0018	0.0024	0.0038	0.0041	0.0064	0.0089
60 mph	0.0015	0.0030	0.0020	0.0026	0.0038	0.0042	0.0068	0.0095
65 mph	0.0017	0.0034	0.0022	0.0030	0.0039	0.0042		
70 mph	0.0018	0.0035	0.0024	0.0032	0.0040	0.0042		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0610	0.0055	0.0271	0.0121	0.0121	0.0041	0.0126	0.0001	0.1346
15 mph	0.0199	0.0018	0.0089	0.0040	0.0039	0.0013	0.0034	0.0000	0.0433
20 mph	0.0332	0.0030	0.0147	0.0066	0.0066	0.0022	0.0057	0.0001	0.0720
25 mph	0.1418	0.0127	0.0630	0.0282	0.0280	0.0094	0.0269	0.0003	0.3105
30 mph	0.1385	0.0124	0.0615	0.0276	0.0274	0.0092	0.0218	0.0002	0.2986
35 mph	0.1051	0.0094	0.0467	0.0210	0.0208	0.0070	0.0091	0.0001	0.2191
40 mph	0.0339	0.0030	0.0151	0.0068	0.0067	0.0023	0.0098	0.0001	0.0776
45 mph	0.0284	0.0025	0.0126	0.0057	0.0056	0.0019	0.0078	0.0001	0.0647
50 mph	0.0293	0.0026	0.0130	0.0058	0.0058	0.0019	0.0131	0.0001	0.0717
55 mph	0.0243	0.0022	0.0108	0.0049	0.0048	0.0016	0.0031	0.0000	0.0518
60 mph	0.0501	0.0045	0.0223	0.0100	0.0100	0.0034	0.0033	0.0000	0.1036
65 mph	0.0064	0.0006	0.0029	0.0013	0.0013	0.0004	-	-	0.0129
70 mph	-	-	-	-	-	-	-	-	-
total	0.6720	0.0603	0.2986	0.1340	0.1329	0.0447	0.1168	0.0012	1.4603

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0050	0.0005	0.0022	0.0021	0.0026	0.0009	-	-	0.0133
15 mph	0.0041	0.0004	0.0018	0.0017	0.0021	0.0007	-	-	0.0109
20 mph	0.0034	0.0003	0.0015	0.0014	0.0018	0.0006	0.0103	0.0001	0.0195
25 mph	0.0059	0.0005	0.0026	0.0024	0.0030	0.0010	0.0155	0.0002	0.0311
30 mph	0.0104	0.0009	0.0046	0.0043	0.0053	0.0018	0.0235	0.0002	0.0512
35 mph	0.0217	0.0019	0.0097	0.0091	0.0111	0.0037	0.0218	0.0002	0.0793
40 mph	0.0234	0.0021	0.0104	0.0097	0.0120	0.0040	0.0194	0.0002	0.0812
45 mph	0.0188	0.0017	0.0084	0.0078	0.0096	0.0032	0.0141	0.0001	0.0638
50 mph	0.0218	0.0020	0.0097	0.0091	0.0111	0.0037	0.0073	0.0001	0.0647
55 mph	0.0126	0.0011	0.0056	0.0052	0.0064	0.0022	0.0038	0.0000	0.0370
60 mph	0.0078	0.0007	0.0035	0.0032	0.0040	0.0014	0.2754	0.0028	0.2987
65 mph	0.0027	0.0002	0.0012	0.0011	0.0014	0.0005	-	-	0.0070
70 mph	0.1238	0.0111	0.0550	0.0522	0.0643	0.0215	-	-	0.3280
total	0.2614	0.0234	0.1161	0.1095	0.1348	0.0453	0.3911	0.0040	1.0856

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0056	0.0016	0.0065	0.0001	0.0139
15 mph	0.0360	0.0032	0.0160	0.0057	0.0060	0.0020	0.0055	0.0001	0.0746
25 mph	-	-	-	-	0.0081	0.0027	0.0172	0.0002	0.0283
35 mph	0.0905	0.0081	0.0402	0.0133	-	-	-	-	0.1522
total	0.1265	0.0113	0.0562	0.0191	0.0198	0.0064	0.0293	0.0004	0.2690

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0056	0.0016	0.0065	0.0001	0.0139
10 mph	0.0661	0.0059	0.0293	0.0142	0.0146	0.0049	0.0126	0.0001	0.1479
15 mph	0.0600	0.0054	0.0267	0.0114	0.0121	0.0041	0.0090	0.0001	0.1287
20 mph	0.0366	0.0033	0.0163	0.0080	0.0083	0.0028	0.0161	0.0002	0.0915
25 mph	0.1477	0.0132	0.0656	0.0307	0.0392	0.0132	0.0596	0.0006	0.3698
30 mph	0.1489	0.0134	0.0662	0.0319	0.0327	0.0110	0.0453	0.0005	0.3498
35 mph	0.2174	0.0195	0.0966	0.0434	0.0319	0.0107	0.0309	0.0003	0.4506
40 mph	0.0573	0.0051	0.0255	0.0165	0.0187	0.0063	0.0291	0.0003	0.1588
45 mph	0.0472	0.0042	0.0210	0.0135	0.0152	0.0051	0.0220	0.0002	0.1285
50 mph	0.0511	0.0046	0.0227	0.0149	0.0169	0.0057	0.0204	0.0002	0.1364
55 mph	0.0369	0.0033	0.0164	0.0101	0.0112	0.0038	0.0069	0.0001	0.0887
60 mph	0.0579	0.0052	0.0257	0.0133	0.0140	0.0047	0.2787	0.0028	0.4023
65 mph	0.0091	0.0008	0.0040	0.0024	0.0027	0.0009	-	-	0.0199
70 mph	0.1238	0.0111	0.0550	0.0522	0.0643	0.0215	-	-	0.3280
total	1.0599	0.0950	0.4709	0.2626	0.2874	0.0964	0.5372	0.0055	2.8150

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0002	0.0004	0.0075	0.0056	0.0437	0.1210	0.1791
15 mph	0.0002	0.0000	0.0001	0.0001	0.0020	0.0015	0.0115	0.0304	0.0457
20 mph	0.0003	0.0000	0.0001	0.0002	0.0034	0.0026	0.0196	0.0516	0.0778
25 mph	0.0013	0.0000	0.0005	0.0009	0.0149	0.0114	0.0940	0.2375	0.3606
30 mph	0.0012	0.0000	0.0005	0.0008	0.0149	0.0113	0.0751	0.1895	0.2934
35 mph	0.0009	0.0000	0.0004	0.0006	0.0122	0.0093	0.0302	0.0772	0.1308
40 mph	0.0003	0.0000	0.0001	0.0002	0.0040	0.0030	0.0307	0.0785	0.1168
45 mph	0.0002	0.0000	0.0001	0.0002	0.0032	0.0024	0.0233	0.0596	0.0890
50 mph	0.0002	0.0000	0.0001	0.0002	0.0034	0.0025	0.0374	0.0945	0.1382
55 mph	0.0002	0.0000	0.0001	0.0001	0.0028	0.0020	0.0089	0.0226	0.0367
60 mph	0.0004	0.0000	0.0002	0.0003	0.0057	0.0041	0.0095	0.0240	0.0441
65 mph	0.0001	0.0000	0.0000	0.0000	0.0007	0.0005	-	-	0.0014
70 mph	-	-	-	-	-	-	-	-	-
total	0.0059	0.0000	0.0025	0.0040	0.0745	0.0561	0.3839	0.9865	1.5135

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0001	0.0016	0.0012	-	-	0.0030
15 mph	0.0000	0.0000	0.0000	0.0001	0.0011	0.0008	-	-	0.0020
20 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0007	0.0353	0.0931	0.1301
25 mph	0.0001	0.0000	0.0000	0.0001	0.0016	0.0012	0.0539	0.1363	0.1932
30 mph	0.0001	0.0000	0.0000	0.0001	0.0029	0.0022	0.0812	0.2050	0.2916
35 mph	0.0002	0.0000	0.0001	0.0003	0.0065	0.0050	0.0725	0.1857	0.2703
40 mph	0.0002	0.0000	0.0001	0.0003	0.0071	0.0053	0.0610	0.1557	0.2296
45 mph	0.0002	0.0000	0.0001	0.0002	0.0055	0.0041	0.0420	0.1074	0.1594
50 mph	0.0002	0.0000	0.0001	0.0002	0.0065	0.0048	0.0207	0.0524	0.0849
55 mph	0.0001	0.0000	0.0000	0.0001	0.0038	0.0027	0.0107	0.0272	0.0446
60 mph	0.0001	0.0000	0.0000	0.0001	0.0023	0.0017	0.7977	2.0162	2.8180
65 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	-	-	0.0014
70 mph	0.0012	0.0000	0.0005	0.0017	0.0361	0.0259	-	-	0.0654
total	0.0024	0.0000	0.0010	0.0034	0.0766	0.0561	1.1750	2.9789	4.2934

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0035	0.0038	0.0160	0.0259	0.0493
15 mph	0.0003	0.0000	0.0001	0.0002	0.0030	0.0023	0.0184	0.0488	0.0731
25 mph	-	-	-	-	0.0043	0.0033	0.0601	0.1518	0.2195
35 mph	0.0008	0.0000	0.0003	0.0004	-	-	-	-	0.0015
total	0.0011	0.0000	0.0005	0.0006	0.0109	0.0094	0.0945	0.2264	0.3434

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0035	0.0038	0.0160	0.0259	0.0493
10 mph	0.0006	0.0000	0.0003	0.0004	0.0092	0.0068	0.0437	0.1210	0.1821
15 mph	0.0006	0.0000	0.0002	0.0004	0.0060	0.0046	0.0299	0.0791	0.1208
20 mph	0.0003	0.0000	0.0001	0.0003	0.0043	0.0032	0.0549	0.1447	0.2079
25 mph	0.0014	0.0000	0.0006	0.0010	0.0208	0.0159	0.2081	0.5256	0.7733
30 mph	0.0013	0.0000	0.0006	0.0010	0.0178	0.0135	0.1563	0.3946	0.5850
35 mph	0.0019	0.0000	0.0008	0.0013	0.0187	0.0142	0.1027	0.2629	0.4026
40 mph	0.0005	0.0000	0.0002	0.0005	0.0110	0.0083	0.0917	0.2343	0.3465
45 mph	0.0004	0.0000	0.0002	0.0004	0.0087	0.0065	0.0653	0.1669	0.2484
50 mph	0.0004	0.0000	0.0002	0.0004	0.0099	0.0073	0.0581	0.1468	0.2231
55 mph	0.0003	0.0000	0.0001	0.0003	0.0066	0.0048	0.0195	0.0497	0.0814
60 mph	0.0005	0.0000	0.0002	0.0004	0.0080	0.0058	0.8071	2.0402	2.8621
65 mph	0.0001	0.0000	0.0000	0.0001	0.0015	0.0011	-	-	0.0028
70 mph	0.0012	0.0000	0.0005	0.0017	0.0361	0.0259	-	-	0.0654
total	0.0095	0.0000	0.0039	0.0080	0.1620	0.1217	1.6535	4.1918	6.1504

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	
45 mph								-	
50 mph								-	
55 mph								-	
60 mph								-	
65 mph								-	
70 mph								-	
total	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
15 mph								-	-
25 mph								-	-
35 mph								-	-
total	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0092	0.0055	0.0225	0.0260	0.0632
10 mph	0.0667	0.0059	0.0296	0.0147	0.0238	0.0118	0.0564	0.1212	0.3300
15 mph	0.0606	0.0054	0.0269	0.0118	0.0181	0.0087	0.0389	0.0792	0.2495
20 mph	0.0370	0.0033	0.0164	0.0083	0.0126	0.0060	0.0710	0.1449	0.2994
25 mph	0.1491	0.0132	0.0662	0.0316	0.0600	0.0291	0.2677	0.5262	1.1431
30 mph	0.1502	0.0134	0.0667	0.0329	0.0505	0.0245	0.2016	0.3950	0.9347
35 mph	0.2192	0.0195	0.0974	0.0446	0.0506	0.0250	0.1337	0.2632	0.8532
40 mph	0.0578	0.0051	0.0257	0.0170	0.0297	0.0146	0.1208	0.2346	0.5053
45 mph	0.0476	0.0042	0.0211	0.0139	0.0239	0.0116	0.0873	0.1672	0.3769
50 mph	0.0515	0.0046	0.0228	0.0153	0.0268	0.0129	0.0785	0.1471	0.3595
55 mph	0.0372	0.0033	0.0165	0.0104	0.0178	0.0086	0.0265	0.0498	0.1701
60 mph	0.0583	0.0052	0.0259	0.0137	0.0220	0.0105	1.0858	2.0430	3.2644
65 mph	0.0092	0.0008	0.0041	0.0025	0.0042	0.0020	-	-	0.0227
70 mph	0.1250	0.0111	0.0555	0.0540	0.1004	0.0474	-	-	0.3934
STREX	0.0037	0.0003	0.0017	0.0032	0.0003	0.0001	0.0003	0.0000	0.0095
total	1.0730	0.0954	0.4765	0.2738	0.4497	0.2181	2.1909	4.1973	**8.9748**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0004	0.0005	0.0005	0.0006	0.0002	0.0002	0.0003	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0037	0.0003	0.0017	0.0032	0.0003	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0037	0.0003	0.0017	0.0032	0.0003	0.0001	0.0003	0.0000

World Logistics Center
Mobile Emissions - 2033 (Net) - Mitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0384	0.0369	0.0370	0.0385
10 mph	0.0036	0.0043	0.0038	0.0039	0.0049	0.0046	0.0047	0.0049
15 mph	0.0024	0.0029	0.0025	0.0026	0.0032	0.0031	0.0031	0.0032
20 mph	0.0017	0.0020	0.0018	0.0018	0.0023	0.0022	0.0022	0.0023
25 mph	0.0012	0.0015	0.0013	0.0013	0.0017	0.0016	0.0016	0.0017
30 mph	0.0010	0.0012	0.0010	0.0010	0.0013	0.0012	0.0013	0.0013
35 mph	0.0008	0.0010	0.0008	0.0009	0.0011	0.0010	0.0010	0.0011
40 mph	0.0007	0.0008	0.0007	0.0007	0.0009	0.0009	0.0009	0.0009
45 mph	0.0006	0.0008	0.0007	0.0007	0.0009	0.0008	0.0008	0.0009
50 mph	0.0006	0.0007	0.0006	0.0007	0.0008	0.0008	0.0008	0.0008
55 mph	0.0006	0.0007	0.0007	0.0007	0.0008	0.0008	0.0008	0.0008
60 mph	0.0007	0.0008	0.0007	0.0007	0.0009	0.0009	0.0009	0.0009
65 mph	0.0007	0.0009	0.0008	0.0007	0.0010	0.0010		
70 mph	0.0008	0.0010	0.0009	0.0009	0.0011	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7943	0.7984	0.0073	0.0101
10 mph	0.0043	0.0789	0.0089	0.0039	0.0186	0.0295	0.0043	0.0107
15 mph	0.0036	0.0584	0.0077	0.0033	0.0148	0.0245	0.0034	0.0083
20 mph	0.0029	0.0451	0.0065	0.0028	0.0125	0.0207	0.0029	0.0061
25 mph	0.0024	0.0361	0.0056	0.0024	0.0105	0.0175	0.0027	0.0062
30 mph	0.0021	0.0302	0.0049	0.0021	0.0092	0.0154	0.0030	0.0068
35 mph	0.0019	0.0264	0.0045	0.0019	0.0084	0.0140	0.0036	0.0082
40 mph	0.0017	0.0241	0.0041	0.0018	0.0078	0.0128	0.0046	0.0106
45 mph	0.0016	0.0229	0.0038	0.0016	0.0073	0.0120	0.0060	0.0138
50 mph	0.0015	0.0227	0.0036	0.0015	0.0070	0.0114	0.0078	0.0177
55 mph	0.0015	0.0236	0.0034	0.0015	0.0067	0.0108	0.0099	0.0232
60 mph	0.0015	0.0255	0.0033	0.0015	0.0067	0.0108	0.0124	0.0286
65 mph	0.0015	0.0287	0.0033	0.0015	0.0072	0.0112		
70 mph	0.0016	0.0315	0.0033	0.0017	0.0102	0.0135		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0266
10 mph								0.0058
15 mph								0.0048
20 mph								0.0042
25 mph								0.0038
30 mph								0.0035
35 mph								0.0033
40 mph								0.0031
45 mph								0.0031
50 mph								0.0030
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0542	0.0050	0.0217	0.0081	0.0044	0.0012	0.0022	0.0000	0.0968
15 mph	0.0144	0.0013	0.0058	0.0022	0.0012	0.0003	0.0005	0.0000	0.0256
20 mph	0.0201	0.0019	0.0081	0.0030	0.0017	0.0005	0.0007	0.0000	0.0359
25 mph	0.0744	0.0069	0.0298	0.0112	0.0061	0.0017	0.0028	0.0000	0.1329
30 mph	0.0637	0.0059	0.0255	0.0096	0.0052	0.0015	0.0020	0.0000	0.1135
35 mph	0.0429	0.0040	0.0172	0.0064	0.0035	0.0010	0.0007	0.0000	0.0757
40 mph	0.0124	0.0012	0.0050	0.0019	0.0010	0.0003	0.0007	0.0000	0.0224
45 mph	0.0095	0.0009	0.0038	0.0014	0.0008	0.0002	0.0005	0.0000	0.0170
50 mph	0.0091	0.0008	0.0036	0.0014	0.0008	0.0002	0.0008	0.0000	0.0168
55 mph	0.0074	0.0007	0.0030	0.0011	0.0006	0.0002	0.0002	0.0000	0.0132
60 mph	0.0160	0.0015	0.0064	0.0024	0.0013	0.0004	0.0002	0.0000	0.0281
65 mph	0.0023	0.0002	0.0009	0.0003	0.0002	0.0001	-	-	0.0039
70 mph	-	-	-	-	-	-	-	-	-
total	0.3263	0.0304	0.1307	0.0489	0.0268	0.0075	0.0112	0.0001	0.5818

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0045	0.0004	0.0018	0.0014	0.0010	0.0003	-	-	0.0093
15 mph	0.0030	0.0003	0.0012	0.0009	0.0006	0.0002	-	-	0.0062
20 mph	0.0021	0.0002	0.0008	0.0007	0.0004	0.0001	0.0012	0.0000	0.0056
25 mph	0.0031	0.0003	0.0012	0.0010	0.0007	0.0002	0.0016	0.0000	0.0080
30 mph	0.0048	0.0004	0.0019	0.0015	0.0010	0.0003	0.0021	0.0000	0.0121
35 mph	0.0089	0.0008	0.0035	0.0028	0.0019	0.0005	0.0017	0.0000	0.0202
40 mph	0.0085	0.0008	0.0034	0.0027	0.0018	0.0005	0.0014	0.0000	0.0192
45 mph	0.0063	0.0006	0.0025	0.0020	0.0013	0.0004	0.0009	0.0000	0.0139
50 mph	0.0068	0.0006	0.0027	0.0021	0.0015	0.0004	0.0004	0.0000	0.0146
55 mph	0.0038	0.0004	0.0015	0.0012	0.0008	0.0002	0.0002	0.0000	0.0082
60 mph	0.0025	0.0002	0.0010	0.0008	0.0005	0.0001	0.0170	0.0002	0.0223
65 mph	0.0009	0.0001	0.0004	0.0003	0.0002	0.0001	-	-	0.0019
70 mph	0.0473	0.0043	0.0184	0.0145	0.0100	0.0028	-	-	0.0973
total	0.1024	0.0094	0.0405	0.0318	0.0217	0.0060	0.0266	0.0002	0.2387

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0043	0.0012	0.0019	0.0000	0.0074
15 mph	0.0259	0.0024	0.0104	0.0031	0.0018	0.0005	0.0008	0.0000	0.0449
25 mph	-	-	-	-	0.0018	0.0005	0.0018	0.0000	0.0041
35 mph	0.0369	0.0034	0.0148	0.0041	-	-	-	-	0.0593
total	0.0628	0.0058	0.0252	0.0072	0.0079	0.0022	0.0044	0.0000	0.1156

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0043	0.0012	0.0019	0.0000	0.0074
10 mph	0.0586	0.0054	0.0235	0.0095	0.0054	0.0015	0.0022	0.0000	0.1061
15 mph	0.0432	0.0040	0.0173	0.0062	0.0036	0.0010	0.0013	0.0000	0.0767
20 mph	0.0222	0.0021	0.0089	0.0037	0.0021	0.0006	0.0019	0.0000	0.0415
25 mph	0.0774	0.0072	0.0311	0.0121	0.0085	0.0024	0.0061	0.0001	0.1450
30 mph	0.0685	0.0064	0.0275	0.0111	0.0063	0.0017	0.0041	0.0000	0.1256
35 mph	0.0887	0.0083	0.0355	0.0133	0.0054	0.0015	0.0025	0.0000	0.1551
40 mph	0.0209	0.0020	0.0084	0.0045	0.0028	0.0008	0.0021	0.0000	0.0415
45 mph	0.0157	0.0015	0.0063	0.0034	0.0021	0.0006	0.0014	0.0000	0.0310
50 mph	0.0159	0.0015	0.0064	0.0035	0.0022	0.0006	0.0012	0.0000	0.0313
55 mph	0.0113	0.0010	0.0045	0.0023	0.0014	0.0004	0.0004	0.0000	0.0214
60 mph	0.0184	0.0017	0.0074	0.0032	0.0018	0.0005	0.0172	0.0002	0.0504
65 mph	0.0032	0.0003	0.0013	0.0006	0.0004	0.0001	-	-	0.0058
70 mph	0.0473	0.0043	0.0184	0.0145	0.0100	0.0028	-	-	0.0973
total	0.4915	0.0456	0.1963	0.0879	0.0564	0.0157	0.0422	0.0004	0.9361

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0005	0.0003	0.0172	0.0183	0.0118	0.0540	0.1028
15 mph	0.0002	0.0000	0.0002	0.0001	0.0055	0.0061	0.0031	0.0139	0.0291
20 mph	0.0004	0.0000	0.0003	0.0002	0.0092	0.0102	0.0053	0.0204	0.0460
25 mph	0.0017	0.0000	0.0012	0.0006	0.0387	0.0432	0.0278	0.1151	0.2284
30 mph	0.0016	0.0000	0.0012	0.0006	0.0376	0.0419	0.0275	0.1141	0.2246
35 mph	0.0012	0.0000	0.0009	0.0005	0.0281	0.0311	0.0150	0.0622	0.1389
40 mph	0.0004	0.0000	0.0003	0.0001	0.0086	0.0095	0.0213	0.0888	0.1291
45 mph	0.0003	0.0000	0.0002	0.0001	0.0068	0.0074	0.0221	0.0928	0.1297
50 mph	0.0003	0.0000	0.0002	0.0001	0.0065	0.0070	0.0466	0.1936	0.2542
55 mph	0.0002	0.0000	0.0001	0.0001	0.0050	0.0054	0.0137	0.0585	0.0830
60 mph	0.0004	0.0000	0.0003	0.0002	0.0099	0.0106	0.0172	0.0722	0.1109
65 mph	0.0001	0.0000	0.0000	0.0000	0.0013	0.0014	-	-	0.0028
70 mph	-	-	-	-	-	-	-	-	-
total	0.0075	0.0001	0.0053	0.0029	0.1744	0.1922	0.2114	0.8856	1.4794

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0000	0.0037	0.0039	-	-	0.0078
15 mph	0.0001	0.0000	0.0000	0.0000	0.0029	0.0032	-	-	0.0063
20 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0027	0.0095	0.0367	0.0516
25 mph	0.0001	0.0000	0.0001	0.0001	0.0042	0.0046	0.0159	0.0660	0.0909
30 mph	0.0001	0.0000	0.0001	0.0001	0.0073	0.0082	0.0298	0.1234	0.1690
35 mph	0.0002	0.0000	0.0002	0.0002	0.0150	0.0167	0.0360	0.1495	0.2179
40 mph	0.0002	0.0000	0.0002	0.0002	0.0155	0.0170	0.0422	0.1761	0.2515
45 mph	0.0002	0.0000	0.0001	0.0002	0.0116	0.0127	0.0399	0.1673	0.2320
50 mph	0.0002	0.0000	0.0001	0.0002	0.0125	0.0136	0.0258	0.1074	0.1598
55 mph	0.0001	0.0000	0.0001	0.0001	0.0066	0.0072	0.0165	0.0703	0.1009
60 mph	0.0001	0.0000	0.0000	0.0001	0.0040	0.0043	1.4476	6.0761	7.5321
65 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0015	-	-	0.0030
70 mph	0.0011	0.0000	0.0007	0.0009	0.0933	0.0825	-	-	0.1785
total	0.0025	0.0000	0.0017	0.0020	0.1806	0.1782	1.6633	6.9728	9.0012

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0897	0.0602	0.0022	0.0056	0.1577
15 mph	0.0005	0.0000	0.0003	0.0001	0.0084	0.0093	0.0050	0.0224	0.0460
25 mph	-	-	-	-	0.0113	0.0126	0.0177	0.0735	0.1151
35 mph	0.0010	0.0000	0.0007	0.0003	-	-	-	-	0.0021
total	0.0015	0.0000	0.0010	0.0004	0.1093	0.0820	0.0249	0.1015	0.3208

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0897	0.0602	0.0022	0.0056	0.1577
10 mph	0.0008	0.0000	0.0005	0.0003	0.0209	0.0222	0.0118	0.0540	0.1105
15 mph	0.0008	0.0000	0.0005	0.0003	0.0168	0.0186	0.0081	0.0364	0.0814
20 mph	0.0005	0.0000	0.0003	0.0002	0.0117	0.0130	0.0148	0.0571	0.0975
25 mph	0.0018	0.0000	0.0013	0.0007	0.0541	0.0604	0.0614	0.2546	0.4343
30 mph	0.0017	0.0000	0.0013	0.0007	0.0449	0.0501	0.0573	0.2375	0.3936
35 mph	0.0024	0.0000	0.0018	0.0010	0.0431	0.0477	0.0510	0.2117	0.3588
40 mph	0.0006	0.0000	0.0004	0.0003	0.0241	0.0266	0.0635	0.2649	0.3805
45 mph	0.0005	0.0000	0.0003	0.0003	0.0184	0.0201	0.0620	0.2601	0.3617
50 mph	0.0005	0.0000	0.0003	0.0003	0.0190	0.0206	0.0724	0.3010	0.4140
55 mph	0.0003	0.0000	0.0002	0.0002	0.0116	0.0126	0.0302	0.1288	0.1839
60 mph	0.0005	0.0000	0.0003	0.0002	0.0139	0.0149	1.4648	6.1483	7.6430
65 mph	0.0001	0.0000	0.0001	0.0000	0.0028	0.0029	-	-	0.0058
70 mph	0.0011	0.0000	0.0007	0.0009	0.0933	0.0825	-	-	0.1785
total	0.0115	0.0002	0.0081	0.0054	0.4643	0.4523	1.8997	7.9599	10.8014

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0020	0.0020
15 mph								0.0006	0.0006
20 mph								0.0010	0.0010
25 mph								0.0048	0.0048
30 mph								0.0040	0.0040
35 mph								0.0017	0.0017
40 mph								0.0018	0.0018
45 mph								0.0014	0.0014
50 mph								0.0023	0.0023
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0195	0.0195

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0017	0.0017
25 mph								0.0027	0.0027
30 mph								0.0044	0.0044
35 mph								0.0041	0.0041
40 mph								0.0036	0.0036
45 mph								0.0025	0.0025
50 mph								0.0012	0.0012
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0129	0.0129

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0009	0.0009
25 mph								0.0031	0.0031
35 mph								-	-
total	-	-	-	-	-	-	-	0.0050	0.0050

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0020	0.0020
15 mph								0.0015	0.0015
20 mph								0.0027	0.0027
25 mph								0.0106	0.0106
30 mph								0.0084	0.0084
35 mph								0.0058	0.0058
40 mph								0.0054	0.0054
45 mph								0.0039	0.0039
50 mph								0.0035	0.0035
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0448	0.0448

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0940	0.0614	0.0041	0.0066	0.1661
10 mph	0.0595	0.0054	0.0240	0.0098	0.0263	0.0237	0.0140	0.0560	0.2187
15 mph	0.0440	0.0040	0.0178	0.0065	0.0204	0.0196	0.0094	0.0378	0.1595
20 mph	0.0227	0.0021	0.0092	0.0039	0.0138	0.0135	0.0167	0.0598	0.1417
25 mph	0.0792	0.0072	0.0323	0.0128	0.0627	0.0628	0.0675	0.2652	0.5899
30 mph	0.0703	0.0064	0.0287	0.0118	0.0512	0.0519	0.0614	0.2459	0.5276
35 mph	0.0911	0.0083	0.0373	0.0143	0.0485	0.0492	0.0535	0.2175	0.5197
40 mph	0.0215	0.0020	0.0088	0.0049	0.0269	0.0274	0.0656	0.2703	0.4275
45 mph	0.0162	0.0015	0.0066	0.0036	0.0205	0.0207	0.0635	0.2641	0.3966
50 mph	0.0164	0.0015	0.0067	0.0038	0.0212	0.0212	0.0737	0.3045	0.4489
55 mph	0.0116	0.0011	0.0047	0.0025	0.0130	0.0130	0.0306	0.1288	0.2053
60 mph	0.0189	0.0017	0.0077	0.0034	0.0158	0.0154	1.4820	6.1484	7.6934
65 mph	0.0033	0.0003	0.0013	0.0006	0.0031	0.0030	-	-	0.0116
70 mph	0.0483	0.0043	0.0191	0.0154	0.1033	0.0853	-	-	0.2758
STREX	0.0098	0.0009	0.0038	0.0062	0.0005	0.0001	0.0003	0.0000	0.0217
total	0.5128	0.0467	0.2082	0.0994	0.5213	0.4682	1.9423	8.0051	**11.8039**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0011	0.0013	0.0012	0.0012	0.0003	0.0003	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0098	0.0009	0.0038	0.0062	0.0005	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0098	0.0009	0.0038	0.0062	0.0005	0.0001	0.0003	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	13.5469	1.0340	5.0936	1.8585	1.5455	0.5193	1.1091	0.0056
Diesel	0.1571	0.0002	0.0485	0.0609	1.6385	1.2509	6.5719	8.0966
Electric/NG	0.7124	0.0295	0.1809	0.0714	-	-	-	0.5617
Total	14.4164	1.0637	5.3230	1.9908	3.1840	1.7702	7.6811	8.6638

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5.6020	0.4276	2.1063	1.6051	1.6570	0.5568	3.9990	0.0200
Diesel	0.0649	0.0001	0.0201	0.0526	1.7567	1.3412	23.6951	29.1922
Electric/NG	0.2946	0.0122	0.0748	0.0617	-	-	-	2.0253
Total	5.9616	0.4398	2.2012	1.7193	3.4138	1.8980	27.6942	31.2375

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.5897	0.1977	0.9737	0.2667	0.1371	0.0461	0.1916	0.0010
Diesel	0.0300	0.0000	0.0093	0.0087	0.1454	0.1110	1.1350	1.3984
Electric/NG	0.1362	0.0056	0.0346	0.0103	-	-	-	0.0970
Total	2.7559	0.2033	1.0176	0.2857	0.2825	0.1570	1.3266	1.4963

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	21.7386	1.6593	8.1737	3.7302	3.3396	1.1221	5.2997	0.0265	45.0898
Diesel	0.2520	0.0003	0.0779	0.1222	3.5406	2.7031	31.4021	38.6872	76.7853
Electric/NG	1.1433	0.0473	0.2903	0.1434	-	-	-	2.6840	4.3082
Total	23.1339	1.7068	8.5418	3.9958	6.8802	3.8252	36.7018	41.3977	**126.1833**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	118.3474
Internal	86.9269
Total	**205.2743**

World Logistics Center
Mobile Emissions - 2033 (Net) - Mitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0353	0.0339	0.0340	0.0354
10 mph	0.0033	0.0040	0.0035	0.0036	0.0045	0.0043	0.0043	0.0045
15 mph	0.0022	0.0027	0.0023	0.0024	0.0030	0.0028	0.0029	0.0030
20 mph	0.0015	0.0019	0.0016	0.0017	0.0021	0.0020	0.0020	0.0021
25 mph	0.0011	0.0014	0.0012	0.0012	0.0015	0.0015	0.0015	0.0015
30 mph	0.0009	0.0011	0.0009	0.0010	0.0012	0.0011	0.0012	0.0012
35 mph	0.0007	0.0009	0.0008	0.0008	0.0010	0.0009	0.0009	0.0010
40 mph	0.0006	0.0008	0.0007	0.0007	0.0009	0.0008	0.0008	0.0009
45 mph	0.0006	0.0007	0.0006	0.0006	0.0008	0.0007	0.0007	0.0008
50 mph	0.0006	0.0007	0.0006	0.0006	0.0008	0.0007	0.0007	0.0008
55 mph	0.0006	0.0007	0.0006	0.0006	0.0008	0.0007	0.0007	0.0008
60 mph	0.0006	0.0007	0.0006	0.0007	0.0008	0.0008	0.0008	0.0008
65 mph	0.0007	0.0008	0.0007	0.0007	0.0009	0.0009		
70 mph	0.0008	0.0009	0.0008	0.0008	0.0010	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7599	0.7639	0.0070	0.0096
10 mph	0.0041	0.0755	0.0085	0.0038	0.0178	0.0283	0.0041	0.0102
15 mph	0.0034	0.0559	0.0073	0.0032	0.0142	0.0234	0.0032	0.0079
20 mph	0.0028	0.0431	0.0062	0.0027	0.0119	0.0198	0.0027	0.0058
25 mph	0.0023	0.0346	0.0053	0.0023	0.0100	0.0167	0.0026	0.0059
30 mph	0.0020	0.0289	0.0047	0.0020	0.0088	0.0148	0.0029	0.0065
35 mph	0.0018	0.0252	0.0043	0.0018	0.0080	0.0134	0.0035	0.0079
40 mph	0.0016	0.0231	0.0039	0.0017	0.0074	0.0123	0.0044	0.0101
45 mph	0.0015	0.0220	0.0036	0.0016	0.0070	0.0115	0.0057	0.0132
50 mph	0.0015	0.0217	0.0034	0.0015	0.0067	0.0109	0.0074	0.0169
55 mph	0.0014	0.0226	0.0032	0.0014	0.0064	0.0104	0.0095	0.0222
60 mph	0.0014	0.0244	0.0031	0.0014	0.0064	0.0103	0.0119	0.0274
65 mph	0.0015	0.0275	0.0032	0.0014	0.0069	0.0107		
70 mph	0.0015	0.0301	0.0032	0.0016	0.0098	0.0129		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0255
10 mph								0.0055
15 mph								0.0046
20 mph								0.0040
25 mph								0.0036
30 mph								0.0034
35 mph								0.0031
40 mph								0.0030
45 mph								0.0029
50 mph								0.0029
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0498	0.0046	0.0199	0.0074	0.0041	0.0011	0.0020	0.0000	0.0890
15 mph	0.0132	0.0012	0.0053	0.0020	0.0011	0.0003	0.0004	0.0000	0.0236
20 mph	0.0185	0.0017	0.0074	0.0028	0.0015	0.0004	0.0006	0.0000	0.0330
25 mph	0.0684	0.0064	0.0274	0.0103	0.0056	0.0016	0.0025	0.0000	0.1222
30 mph	0.0586	0.0055	0.0235	0.0088	0.0048	0.0013	0.0018	0.0000	0.1043
35 mph	0.0394	0.0037	0.0158	0.0059	0.0032	0.0009	0.0007	0.0000	0.0696
40 mph	0.0114	0.0011	0.0046	0.0017	0.0009	0.0003	0.0006	0.0000	0.0206
45 mph	0.0087	0.0008	0.0035	0.0013	0.0007	0.0002	0.0005	0.0000	0.0157
50 mph	0.0084	0.0008	0.0033	0.0013	0.0007	0.0002	0.0007	0.0000	0.0154
55 mph	0.0068	0.0006	0.0027	0.0010	0.0006	0.0002	0.0002	0.0000	0.0121
60 mph	0.0147	0.0014	0.0059	0.0022	0.0012	0.0003	0.0002	0.0000	0.0258
65 mph	0.0021	0.0002	0.0008	0.0003	0.0002	0.0000	-	-	0.0036
70 mph	-	-	-	-	-	-	-	-	-
total	0.3000	0.0279	0.1201	0.0450	0.0247	0.0069	0.0103	0.0001	0.5350

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0041	0.0004	0.0016	0.0013	0.0009	0.0002	-	-	0.0086
15 mph	0.0027	0.0003	0.0011	0.0009	0.0006	0.0002	-	-	0.0057
20 mph	0.0019	0.0002	0.0008	0.0006	0.0004	0.0001	0.0011	0.0000	0.0051
25 mph	0.0028	0.0003	0.0011	0.0009	0.0006	0.0002	0.0015	0.0000	0.0074
30 mph	0.0044	0.0004	0.0018	0.0014	0.0009	0.0003	0.0019	0.0000	0.0111
35 mph	0.0082	0.0008	0.0033	0.0026	0.0017	0.0005	0.0016	0.0000	0.0186
40 mph	0.0079	0.0007	0.0031	0.0025	0.0017	0.0005	0.0013	0.0000	0.0176
45 mph	0.0058	0.0005	0.0023	0.0018	0.0012	0.0003	0.0008	0.0000	0.0128
50 mph	0.0062	0.0006	0.0025	0.0020	0.0013	0.0004	0.0004	0.0000	0.0134
55 mph	0.0035	0.0003	0.0014	0.0011	0.0008	0.0002	0.0002	0.0000	0.0076
60 mph	0.0023	0.0002	0.0009	0.0007	0.0005	0.0001	0.0156	0.0001	0.0205
65 mph	0.0009	0.0001	0.0003	0.0003	0.0002	0.0001	-	-	0.0018
70 mph	0.0435	0.0040	0.0169	0.0134	0.0092	0.0025	-	-	0.0894
total	0.0941	0.0087	0.0372	0.0292	0.0200	0.0056	0.0245	0.0002	0.2195

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0039	0.0011	0.0017	0.0000	0.0068
15 mph	0.0238	0.0022	0.0096	0.0029	0.0017	0.0005	0.0007	0.0000	0.0413
25 mph	-	-	-	-	0.0016	0.0005	0.0016	0.0000	0.0037
35 mph	0.0340	0.0032	0.0136	0.0038	-	-	-	-	0.0545
total	0.0578	0.0054	0.0231	0.0066	0.0072	0.0020	0.0041	0.0000	0.1063

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0039	0.0011	0.0017	0.0000	0.0068
10 mph	0.0539	0.0050	0.0216	0.0087	0.0050	0.0014	0.0020	0.0000	0.0976
15 mph	0.0398	0.0037	0.0159	0.0057	0.0033	0.0009	0.0012	0.0000	0.0705
20 mph	0.0204	0.0019	0.0082	0.0034	0.0019	0.0005	0.0018	0.0000	0.0381
25 mph	0.0712	0.0066	0.0286	0.0112	0.0079	0.0022	0.0056	0.0001	0.1333
30 mph	0.0630	0.0059	0.0253	0.0102	0.0058	0.0016	0.0037	0.0000	0.1155
35 mph	0.0815	0.0076	0.0326	0.0122	0.0050	0.0014	0.0023	0.0000	0.1426
40 mph	0.0193	0.0018	0.0077	0.0042	0.0026	0.0007	0.0019	0.0000	0.0382
45 mph	0.0144	0.0013	0.0058	0.0031	0.0019	0.0005	0.0013	0.0000	0.0285
50 mph	0.0146	0.0014	0.0058	0.0032	0.0020	0.0006	0.0011	0.0000	0.0288
55 mph	0.0104	0.0010	0.0041	0.0021	0.0013	0.0004	0.0004	0.0000	0.0197
60 mph	0.0170	0.0016	0.0068	0.0029	0.0017	0.0005	0.0158	0.0001	0.0463
65 mph	0.0029	0.0003	0.0012	0.0006	0.0004	0.0001	-	-	0.0054
70 mph	0.0435	0.0040	0.0169	0.0134	0.0092	0.0025	-	-	0.0894
total	0.4519	0.0420	0.1805	0.0808	0.0519	0.0145	0.0388	0.0004	0.8608

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0005	0.0003	0.0165	0.0175	0.0113	0.0517	0.0983
15 mph	0.0002	0.0000	0.0002	0.0001	0.0052	0.0058	0.0030	0.0133	0.0279
20 mph	0.0004	0.0000	0.0003	0.0001	0.0088	0.0098	0.0051	0.0195	0.0440
25 mph	0.0016	0.0000	0.0012	0.0006	0.0371	0.0414	0.0266	0.1101	0.2185
30 mph	0.0016	0.0000	0.0011	0.0006	0.0360	0.0401	0.0263	0.1092	0.2149
35 mph	0.0011	0.0000	0.0008	0.0004	0.0268	0.0297	0.0143	0.0595	0.1328
40 mph	0.0003	0.0000	0.0003	0.0001	0.0083	0.0091	0.0204	0.0850	0.1235
45 mph	0.0003	0.0000	0.0002	0.0001	0.0065	0.0071	0.0212	0.0888	0.1241
50 mph	0.0003	0.0000	0.0002	0.0001	0.0062	0.0067	0.0446	0.1852	0.2432
55 mph	0.0002	0.0000	0.0001	0.0001	0.0047	0.0051	0.0131	0.0560	0.0794
60 mph	0.0004	0.0000	0.0003	0.0002	0.0095	0.0102	0.0165	0.0691	0.1061
65 mph	0.0001	0.0000	0.0000	0.0000	0.0013	0.0013	-	-	0.0027
70 mph	-	-	-	-	-	-	-	-	-
total	0.0072	0.0001	0.0051	0.0028	0.1669	0.1838	0.2023	0.8473	1.4154

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0000	0.0035	0.0037	-	-	0.0074
15 mph	0.0000	0.0000	0.0000	0.0000	0.0028	0.0031	-	-	0.0060
20 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0026	0.0091	0.0351	0.0493
25 mph	0.0001	0.0000	0.0000	0.0001	0.0040	0.0044	0.0152	0.0631	0.0870
30 mph	0.0001	0.0000	0.0001	0.0001	0.0070	0.0078	0.0285	0.1181	0.1617
35 mph	0.0002	0.0000	0.0002	0.0002	0.0144	0.0159	0.0345	0.1430	0.2084
40 mph	0.0002	0.0000	0.0002	0.0002	0.0148	0.0163	0.0404	0.1685	0.2406
45 mph	0.0002	0.0000	0.0001	0.0001	0.0111	0.0122	0.0382	0.1601	0.2220
50 mph	0.0002	0.0000	0.0001	0.0002	0.0120	0.0130	0.0247	0.1027	0.1529
55 mph	0.0001	0.0000	0.0001	0.0001	0.0064	0.0069	0.0158	0.0673	0.0965
60 mph	0.0001	0.0000	0.0000	0.0000	0.0038	0.0041	1.3850	5.8132	7.2063
65 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0014	-	-	0.0028
70 mph	0.0010	0.0000	0.0007	0.0009	0.0893	0.0789	-	-	0.1708
total	0.0024	0.0000	0.0016	0.0020	0.1728	0.1705	1.5914	6.6711	8.6118

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0858	0.0576	0.0021	0.0053	0.1508
15 mph	0.0004	0.0000	0.0003	0.0001	0.0080	0.0089	0.0048	0.0214	0.0440
25 mph	-	-	-	-	0.0108	0.0120	0.0170	0.0703	0.1101
35 mph	0.0010	0.0000	0.0007	0.0003	-	-	-	-	0.0020
total	0.0014	0.0000	0.0010	0.0004	0.1046	0.0785	0.0239	0.0971	0.3069

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0858	0.0576	0.0021	0.0053	0.1508
10 mph	0.0008	0.0000	0.0005	0.0003	0.0200	0.0212	0.0113	0.0517	0.1058
15 mph	0.0007	0.0000	0.0005	0.0002	0.0161	0.0178	0.0078	0.0348	0.0779
20 mph	0.0004	0.0000	0.0003	0.0002	0.0112	0.0124	0.0142	0.0546	0.0933
25 mph	0.0017	0.0000	0.0012	0.0007	0.0518	0.0578	0.0587	0.2436	0.4156
30 mph	0.0017	0.0000	0.0012	0.0007	0.0430	0.0479	0.0548	0.2272	0.3766
35 mph	0.0023	0.0000	0.0017	0.0009	0.0412	0.0457	0.0488	0.2025	0.3433
40 mph	0.0006	0.0000	0.0004	0.0003	0.0231	0.0254	0.0608	0.2535	0.3641
45 mph	0.0004	0.0000	0.0003	0.0003	0.0176	0.0193	0.0594	0.2489	0.3461
50 mph	0.0004	0.0000	0.0003	0.0003	0.0182	0.0197	0.0693	0.2879	0.3961
55 mph	0.0003	0.0000	0.0002	0.0002	0.0111	0.0120	0.0289	0.1232	0.1759
60 mph	0.0005	0.0000	0.0003	0.0002	0.0133	0.0143	1.4014	5.8823	7.3123
65 mph	0.0001	0.0000	0.0000	0.0000	0.0026	0.0027	-	-	0.0055
70 mph	0.0010	0.0000	0.0007	0.0009	0.0893	0.0789	-	-	0.1708
total	0.0110	0.0002	0.0077	0.0051	0.4443	0.4328	1.8175	7.6156	10.3341

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0019	0.0019
15 mph								0.0005	0.0005
20 mph								0.0009	0.0009
25 mph								0.0046	0.0046
30 mph								0.0039	0.0039
35 mph								0.0016	0.0016
40 mph								0.0017	0.0017
45 mph								0.0013	0.0013
50 mph								0.0022	0.0022
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0187	0.0187

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0017	0.0017
25 mph								0.0026	0.0026
30 mph								0.0042	0.0042
35 mph								0.0039	0.0039
40 mph								0.0034	0.0034
45 mph								0.0024	0.0024
50 mph								0.0012	0.0012
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0124	0.0124

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0009	0.0009
25 mph								0.0029	0.0029
35 mph								-	-
total	-	-	-	-	-	-	-	0.0047	0.0047

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0019	0.0019
15 mph								0.0014	0.0014
20 mph								0.0026	0.0026
25 mph								0.0101	0.0101
30 mph								0.0080	0.0080
35 mph								0.0055	0.0055
40 mph								0.0052	0.0052
45 mph								0.0038	0.0038
50 mph								0.0034	0.0034
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0428	0.0428

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0897	0.0587	0.0039	0.0063	0.1586
10 mph	0.0547	0.0050	0.0221	0.0090	0.0249	0.0226	0.0133	0.0536	0.2053
15 mph	0.0405	0.0037	0.0164	0.0060	0.0194	0.0187	0.0089	0.0362	0.1498
20 mph	0.0209	0.0019	0.0085	0.0036	0.0131	0.0129	0.0159	0.0572	0.1340
25 mph	0.0729	0.0067	0.0298	0.0118	0.0597	0.0600	0.0644	0.2538	0.5590
30 mph	0.0647	0.0059	0.0265	0.0109	0.0487	0.0496	0.0586	0.2353	0.5001
35 mph	0.0839	0.0076	0.0343	0.0132	0.0462	0.0471	0.0511	0.2081	0.4914
40 mph	0.0198	0.0018	0.0081	0.0045	0.0257	0.0261	0.0627	0.2586	0.4074
45 mph	0.0149	0.0014	0.0061	0.0034	0.0195	0.0198	0.0607	0.2526	0.3783
50 mph	0.0151	0.0014	0.0062	0.0035	0.0202	0.0203	0.0704	0.2913	0.4283
55 mph	0.0107	0.0010	0.0044	0.0023	0.0124	0.0124	0.0293	0.1232	0.1956
60 mph	0.0174	0.0016	0.0071	0.0031	0.0150	0.0147	1.4173	5.8824	7.3587
65 mph	0.0030	0.0003	0.0012	0.0006	0.0030	0.0028	-	-	0.0110
70 mph	0.0445	0.0040	0.0176	0.0142	0.0985	0.0815	-	-	0.2602
STREX	0.0090	0.0008	0.0035	0.0057	0.0005	0.0001	0.0003	0.0000	0.0199
total	0.4719	0.0429	0.1917	0.0916	0.4967	0.4474	1.8567	7.6587	**11.2577**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0011	0.0012	0.0011	0.0011	0.0003	0.0003	0.0004	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0090	0.0008	0.0035	0.0057	0.0005	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0090	0.0008	0.0035	0.0057	0.0005	0.0001	0.0003	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5.3734	0.4101	2.0204	0.7372	0.6362	0.2149	0.4586	0.0021
Diesel	0.0623	0.0001	0.0192	0.0242	0.6625	0.5096	2.7176	2.9374
Electric/NG	0.2826	0.0117	0.0718	0.0283	-	-	-	0.2038
Total	5.7182	0.4219	2.1114	0.7896	1.2987	0.7245	3.1763	3.1434

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.2220	0.1696	0.8355	0.6366	0.6821	0.2304	1.6537	0.0077
Diesel	0.0258	0.0000	0.0080	0.0209	0.7103	0.5464	9.7983	10.5909
Electric/NG	0.1169	0.0048	0.0297	0.0245	-	-	-	0.7348
Total	2.3647	0.1745	0.8731	0.6820	1.3924	0.7768	11.4520	11.3334

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.0272	0.0784	0.3862	0.1058	0.0564	0.0191	0.0792	0.0004
Diesel	0.0119	0.0000	0.0037	0.0035	0.0588	0.0452	0.4694	0.5073
Electric/NG	0.0540	0.0022	0.0137	0.0041	-	-	-	0.0352
Total	1.0931	0.0807	0.4036	0.1133	0.1152	0.0643	0.5486	0.5429

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	8.6226	0.6581	3.2421	1.4796	1.3748	0.4644	2.1915	0.0102	18.0433
Diesel	0.1000	0.0001	0.0309	0.0485	1.4316	1.1012	12.9853	14.0357	29.7332
Electric/NG	0.4535	0.0188	0.1152	0.0569	-	-	-	0.9737	1.6180
Total	9.1760	0.6770	3.3881	1.5849	2.8064	1.5656	15.1768	15.0196	**49.3945**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	29.0489
Internal	21.3366
Total	**50.3855**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0691	0.0452	0.0030	0.0049	0.1221
10 mph	0.0350	0.0032	0.0141	0.0058	0.0192	0.0174	0.0102	0.0413	0.1462
15 mph	0.0259	0.0024	0.0105	0.0038	0.0150	0.0144	0.0069	0.0279	0.1067
20 mph	0.0134	0.0012	0.0054	0.0023	0.0101	0.0100	0.0123	0.0441	0.0987
25 mph	0.0467	0.0043	0.0191	0.0076	0.0459	0.0462	0.0496	0.1954	0.4147
30 mph	0.0414	0.0038	0.0169	0.0070	0.0375	0.0382	0.0451	0.1812	0.3710
35 mph	0.0537	0.0049	0.0220	0.0084	0.0356	0.0362	0.0393	0.1602	0.3603
40 mph	0.0127	0.0012	0.0052	0.0029	0.0198	0.0201	0.0483	0.1992	0.3093
45 mph	0.0095	0.0009	0.0039	0.0021	0.0150	0.0152	0.0467	0.1945	0.2880
50 mph	0.0097	0.0009	0.0039	0.0022	0.0155	0.0156	0.0542	0.2243	0.3264
55 mph	0.0068	0.0006	0.0028	0.0015	0.0096	0.0095	0.0226	0.0949	0.1482
60 mph	0.0111	0.0010	0.0045	0.0020	0.0116	0.0113	1.0913	4.5295	5.6624
65 mph	0.0019	0.0002	0.0008	0.0004	0.0023	0.0022	-	-	0.0078
70 mph	0.0285	0.0026	0.0113	0.0091	0.0758	0.0627	-	-	0.1900
total	0.2963	0.0270	0.1205	0.0550	0.3820	0.3444	1.4294	5.8972	8.5517

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2033 (Net) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	2,643	2.40	0.32	0.0005	1.24	0.0019	5.04
2	L	3,714	2.40	0.32	0.0005	1.74	0.0019	7.08
3	L	3,523	2.40	0.32	0.0005	1.65	0.0019	6.71
5	L	5,696	2.40	0.32	0.0005	2.66	0.0019	10.85
6	L	11,419	2.40	0.32	0.0005	5.34	0.0019	21.75
8	L	8,512	2.40	0.32	0.0005	3.98	0.0019	16.22
11	L	(1,715)	2.40	0.32	0.0005	(0.80)	0.0019	(3.27)
12	L	(2,615)	2.40	0.32	0.0005	(1.22)	0.0019	(4.98)
14	L	(1,401)	2.40	0.32	0.0005	(0.66)	0.0019	(2.67)
18	L	1,479	2.40	0.32	0.0005	0.69	0.0019	2.82
19	L	7,050	2.40	0.32	0.0005	3.30	0.0019	13.43
21	L	3,622	2.40	0.32	0.0005	1.69	0.0019	6.90
24	L	8,147	2.40	0.32	0.0005	3.81	0.0019	15.52
30	L	(8,002)	2.40	0.32	0.0005	(3.74)	0.0019	(15.24)
29	L	3,831	2.40	0.32	0.0005	1.79	0.0019	7.30
31	L	(276)	2.40	0.32	0.0005	(0.13)	0.0019	(0.53)
TOTAL						21.34		86.9

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2033 (Net) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	321,016	2.40	0.032	0.0001	18.47	0.0002	75.24
Freeway	F	366,494	2.40	0.015	0.0000	10.58	0.0001	43.11
TOTAL		687,510				29.05		118.35

World Logistics Center
Mobile Emissions - 2033 (Net) - Mitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0048	0.0063	0.0058	0.0063	0.0078	0.0087	0.0158	0.2043
15 mph	0.0042	0.0055	0.0051	0.0055	0.0068	0.0076	0.0139	0.1803
20 mph	0.0038	0.0049	0.0045	0.0050	0.0062	0.0069	0.0125	0.1621
25 mph	0.0034	0.0045	0.0041	0.0045	0.0057	0.0063	0.0114	0.1481
30 mph	0.0032	0.0042	0.0038	0.0042	0.0053	0.0059	0.0105	0.1376
35 mph	0.0030	0.0039	0.0036	0.0040	0.0050	0.0055	0.0099	0.1297
40 mph	0.0029	0.0037	0.0034	0.0038	0.0048	0.0053	0.0094	0.1240
45 mph	0.0028	0.0036	0.0033	0.0037	0.0047	0.0051	0.0091	0.1204
50 mph	0.0028	0.0036	0.0033	0.0036	0.0047	0.0051	0.0090	0.1191
55 mph	0.0028	0.0037	0.0033	0.0037	0.0047	0.0051	0.0091	0.1202
60 mph	0.0029	0.0038	0.0035	0.0039	0.0049	0.0053	0.0094	0.1241
65 mph	0.0030	0.0041	0.0037	0.0041	0.0051	0.0056	0.0099	0.1304
70 mph	0.0032	0.0044	0.0038	0.0043	0.0056	0.0058	0.0097	0.1366

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0544	0.1128	0.0728	0.0906	0.1354	0.1516	0.2626	0.3789
15 mph	0.0448	0.0938	0.0604	0.0768	0.0882	0.1006	0.2065	0.2945
20 mph	0.0367	0.0770	0.0496	0.0638	0.0753	0.0859	0.1764	0.2535
25 mph	0.0308	0.0643	0.0416	0.0540	0.0667	0.0765	0.1539	0.2116
30 mph	0.0267	0.0553	0.0360	0.0467	0.0606	0.0691	0.1352	0.1859
35 mph	0.0241	0.0495	0.0325	0.0424	0.0607	0.0692	0.1207	0.1663
40 mph	0.0226	0.0462	0.0303	0.0397	0.0591	0.0667	0.1106	0.1528
45 mph	0.0218	0.0445	0.0292	0.0382	0.0577	0.0642	0.1049	0.1453
50 mph	0.0219	0.0445	0.0292	0.0384	0.0605	0.0666	0.1035	0.1428
55 mph	0.0229	0.0466	0.0306	0.0405	0.0632	0.0688	0.1065	0.1486
60 mph	0.0248	0.0505	0.0331	0.0439	0.0638	0.0691	0.1138	0.1577
65 mph	0.0279	0.0563	0.0372	0.0493	0.0647	0.0694	0.1255	0.1709
70 mph	0.0303	0.0587	0.0399	0.0536	0.0657	0.0705	0.1267	0.1737

*US EPA Emission Factors for Greenhouse Gas Inventories. (Idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.8411
15 mph								0.7057
20 mph								0.6162
25 mph								0.5681
30 mph								0.5374
35 mph								0.5131
40 mph								0.4932
45 mph								0.4764
50 mph								0.4620
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0721	0.0073	0.0329	0.0132	0.0071	0.0023	0.0074	0.0008	0.1431
15 mph	0.0253	0.0025	0.0115	0.0046	0.0025	0.0008	0.0022	0.0002	0.0497
20 mph	0.0455	0.0046	0.0206	0.0082	0.0045	0.0015	0.0039	0.0004	0.0893
25 mph	0.2077	0.0207	0.0939	0.0375	0.0207	0.0067	0.0196	0.0022	0.4090
30 mph	0.2125	0.0211	0.0957	0.0383	0.0213	0.0069	0.0164	0.0019	0.4140
35 mph	0.1643	0.0163	0.0737	0.0296	0.0165	0.0053	0.0069	0.0008	0.3135
40 mph	0.0524	0.0052	0.0235	0.0094	0.0053	0.0017	0.0074	0.0008	0.1056
45 mph	0.0422	0.0042	0.0189	0.0076	0.0043	0.0014	0.0057	0.0007	0.0850
50 mph	0.0417	0.0042	0.0187	0.0075	0.0043	0.0014	0.0091	0.0011	0.0880
55 mph	0.0338	0.0034	0.0152	0.0061	0.0035	0.0011	0.0021	0.0002	0.0655
60 mph	0.0702	0.0071	0.0318	0.0128	0.0072	0.0023	0.0022	0.0003	0.1337
65 mph	0.0092	0.0009	0.0042	0.0017	0.0009	0.0003	-	-	0.0172
70 mph	-	-	-	-	-	-	-	-	-
total	0.9769	0.0975	0.4405	0.1767	0.0981	0.0317	0.0829	0.0094	1.9136

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0060	0.0006	0.0027	0.0023	0.0015	0.0005	-	-	0.0136
15 mph	0.0052	0.0005	0.0024	0.0020	0.0013	0.0004	-	-	0.0119
20 mph	0.0047	0.0005	0.0021	0.0018	0.0012	0.0004	0.0070	0.0008	0.0185
25 mph	0.0086	0.0009	0.0039	0.0032	0.0022	0.0007	0.0112	0.0013	0.0320
30 mph	0.0160	0.0016	0.0072	0.0060	0.0041	0.0013	0.0178	0.0020	0.0560
35 mph	0.0340	0.0034	0.0152	0.0128	0.0089	0.0029	0.0167	0.0019	0.0956
40 mph	0.0361	0.0036	0.0162	0.0136	0.0095	0.0030	0.0146	0.0017	0.0982
45 mph	0.0279	0.0028	0.0125	0.0105	0.0074	0.0024	0.0103	0.0012	0.0749
50 mph	0.0311	0.0031	0.0139	0.0117	0.0082	0.0026	0.0051	0.0006	0.0763
55 mph	0.0175	0.0018	0.0079	0.0066	0.0046	0.0015	0.0026	0.0003	0.0427
60 mph	0.0109	0.0011	0.0049	0.0042	0.0029	0.0009	0.1851	0.0213	0.2312
65 mph	0.0038	0.0004	0.0017	0.0015	0.0010	0.0003	-	-	0.0087
70 mph	0.1848	0.0194	0.0822	0.0715	0.0505	0.0152	-	-	0.4236
total	0.3865	0.0395	0.1729	0.1476	0.1034	0.0322	0.2702	0.0310	1.1833

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0015	0.0004	0.0007	0.0000	0.0026
15 mph	0.0456	0.0046	0.0208	0.0067	0.0038	0.0012	0.0035	0.0004	0.0866
25 mph	-	-	-	-	0.0060	0.0020	0.0125	0.0014	0.0219
35 mph	0.1416	0.0140	0.0635	0.0188	-	-	-	-	0.2380
total	0.1872	0.0186	0.0842	0.0255	0.0113	0.0036	0.0167	0.0018	0.3490

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0015	0.0004	0.0007	0.0000	0.0026
10 mph	0.0781	0.0079	0.0356	0.0154	0.0087	0.0028	0.0074	0.0008	0.1567
15 mph	0.0761	0.0077	0.0346	0.0132	0.0077	0.0025	0.0057	0.0006	0.1481
20 mph	0.0502	0.0050	0.0228	0.0100	0.0057	0.0019	0.0110	0.0012	0.1078
25 mph	0.2163	0.0216	0.0977	0.0408	0.0289	0.0094	0.0433	0.0049	0.4628
30 mph	0.2285	0.0227	0.1029	0.0443	0.0254	0.0082	0.0342	0.0039	0.4701
35 mph	0.3400	0.0337	0.1524	0.0612	0.0254	0.0082	0.0236	0.0027	0.6471
40 mph	0.0884	0.0088	0.0396	0.0230	0.0147	0.0047	0.0220	0.0025	0.2038
45 mph	0.0701	0.0070	0.0315	0.0181	0.0116	0.0037	0.0160	0.0018	0.1599
50 mph	0.0728	0.0073	0.0327	0.0193	0.0125	0.0040	0.0142	0.0016	0.1643
55 mph	0.0512	0.0052	0.0231	0.0128	0.0081	0.0026	0.0047	0.0005	0.1081
60 mph	0.0810	0.0082	0.0367	0.0170	0.0100	0.0032	0.1873	0.0215	0.3649
65 mph	0.0130	0.0013	0.0059	0.0031	0.0019	0.0006	-	-	0.0259
70 mph	0.1848	0.0194	0.0822	0.0715	0.0505	0.0152	-	-	0.4236
total	1.5505	0.1557	0.6976	0.3497	0.2128	0.0675	0.3698	0.0423	3.4459

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0096	0.0000	0.0039	0.0062	0.1254	0.0937	0.7275	1.9134	2.8797
15 mph	0.0031	0.0000	0.0013	0.0021	0.0327	0.0249	0.1907	0.4957	0.7506
20 mph	0.0052	0.0000	0.0022	0.0035	0.0558	0.0425	0.3258	0.8536	1.2884
25 mph	0.0216	0.0000	0.0090	0.0147	0.2472	0.1893	1.5637	3.9174	5.9629
30 mph	0.0206	0.0000	0.0086	0.0140	0.2472	0.1879	1.2481	3.1286	4.8550
35 mph	0.0152	0.0000	0.0063	0.0104	0.2026	0.1540	0.5017	1.2600	2.1503
40 mph	0.0048	0.0000	0.0020	0.0032	0.0657	0.0495	0.5109	1.2863	1.9223
45 mph	0.0038	0.0000	0.0016	0.0026	0.0535	0.0397	0.3874	0.9782	1.4667
50 mph	0.0038	0.0000	0.0016	0.0026	0.0561	0.0412	0.6213	1.5624	2.2889
55 mph	0.0032	0.0000	0.0013	0.0022	0.0468	0.0340	0.1475	0.3753	0.6104
60 mph	0.0070	0.0000	0.0029	0.0048	0.0945	0.0683	0.1576	0.3981	0.7332
65 mph	0.0010	0.0000	0.0004	0.0007	0.0120	0.0086	-	-	0.0226
70 mph	-	-	-	-	-	-	-	-	-
total	0.0989	0.0002	0.0411	0.0669	1.2395	0.9335	6.3823	16.1688	24.9312

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0008	0.0000	0.0003	0.0011	0.0269	0.0201	-	-	0.0492
15 mph	0.0006	0.0000	0.0003	0.0009	0.0175	0.0133	-	-	0.0327
20 mph	0.0005	0.0000	0.0002	0.0007	0.0149	0.0114	0.5874	1.5388	2.1540
25 mph	0.0009	0.0000	0.0004	0.0013	0.0265	0.0203	0.8969	2.2470	3.1933
30 mph	0.0015	0.0000	0.0006	0.0022	0.0482	0.0366	1.3500	3.3840	4.8233
35 mph	0.0032	0.0000	0.0013	0.0045	0.1086	0.0826	1.2059	3.0286	4.4346
40 mph	0.0033	0.0000	0.0014	0.0047	0.1174	0.0885	1.0131	2.5507	3.7790
45 mph	0.0025	0.0000	0.0010	0.0036	0.0917	0.0681	0.6984	1.7634	2.6287
50 mph	0.0029	0.0000	0.0012	0.0041	0.1082	0.0795	0.3446	0.8666	1.4070
55 mph	0.0017	0.0000	0.0007	0.0024	0.0627	0.0456	0.1773	0.4510	0.7414
60 mph	0.0011	0.0000	0.0004	0.0015	0.0380	0.0275	13.2611	33.4928	46.8224
65 mph	0.0004	0.0000	0.0002	0.0006	0.0129	0.0092	-	-	0.0232
70 mph	0.0202	0.0000	0.0082	0.0290	0.6002	0.4302	-	-	1.0878
total	0.0396	0.0001	0.0163	0.0565	1.2738	0.9327	19.5347	49.3230	71.1767

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0005	0.0004	0.0015	0.0027	0.0050
15 mph	0.0057	0.0000	0.0024	0.0030	0.0500	0.0381	0.3063	0.7963	1.2018
25 mph	-	-	-	-	0.0718	0.0550	0.9992	2.5033	3.6293
35 mph	0.0131	0.0000	0.0055	0.0066	-	-	-	-	0.0252
total	0.0188	0.0000	0.0078	0.0096	0.1224	0.0934	1.3070	3.3023	4.8614

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0005	0.0004	0.0015	0.0027	0.0050
10 mph	0.0103	0.0000	0.0043	0.0072	0.1523	0.1138	0.7275	1.9134	2.9289
15 mph	0.0095	0.0000	0.0039	0.0060	0.1002	0.0763	0.4971	1.2921	1.9850
20 mph	0.0057	0.0000	0.0024	0.0042	0.0707	0.0539	0.9132	2.3924	3.4424
25 mph	0.0225	0.0000	0.0094	0.0160	0.3456	0.2645	3.4598	8.6677	12.7855
30 mph	0.0221	0.0000	0.0092	0.0162	0.2954	0.2246	2.5981	6.5126	9.6783
35 mph	0.0315	0.0001	0.0131	0.0215	0.3112	0.2366	1.7076	4.2886	6.6101
40 mph	0.0080	0.0000	0.0033	0.0079	0.1832	0.1380	1.5239	3.8370	5.7014
45 mph	0.0064	0.0000	0.0026	0.0062	0.1451	0.1077	1.0858	2.7416	4.0955
50 mph	0.0067	0.0000	0.0028	0.0067	0.1643	0.1206	0.9659	2.4290	3.6959
55 mph	0.0049	0.0000	0.0020	0.0046	0.1096	0.0797	0.3248	0.8263	1.3518
60 mph	0.0080	0.0000	0.0033	0.0063	0.1326	0.0958	13.4187	33.8909	47.5557
65 mph	0.0014	0.0000	0.0006	0.0013	0.0248	0.0178	-	-	0.0458
70 mph	0.0202	0.0000	0.0082	0.0290	0.6002	0.4302	-	-	1.0878
total	0.1573	0.0003	0.0652	0.1330	2.6357	1.9597	27.2240	68.7941	100.9692

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT)

Surface Street Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.2900	0.2900
15 mph								0.0811	0.0811
20 mph								0.1416	0.1416
25 mph								0.7183	0.7183
30 mph								0.6177	0.6177
35 mph								0.2654	0.2654
40 mph								0.2834	0.2834
45 mph								0.2190	0.2190
50 mph								0.3452	0.3452
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.9617	2.9617

Freeway Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.2554	0.2554
25 mph								0.4120	0.4120
30 mph								0.6681	0.6681
35 mph								0.6379	0.6379
40 mph								0.5620	0.5620
45 mph								0.3949	0.3949
50 mph								0.1915	0.1915
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.9734	1.9734

Internal Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0005	0.0005
15 mph								0.1303	0.1303
25 mph								0.4590	0.4590
35 mph								-	-
total	-	-	-	-	-	-	-	0.5898	0.5898

Total Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0005	0.0005
10 mph								0.2900	0.2900
15 mph								0.2114	0.2114
20 mph								0.3970	0.3970
25 mph								1.5892	1.5892
30 mph								1.2858	1.2858
35 mph								0.9033	0.9033
40 mph								0.8455	0.8455
45 mph								0.6139	0.6139
50 mph								0.5367	0.5367
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	6.6732	6.6732

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0020	0.0008	0.0021	0.0032	0.0082
10 mph	0.0884	0.0079	0.0398	0.0227	0.1610	0.1166	0.7349	2.2042	3.3756
15 mph	0.0856	0.0077	0.0386	0.0193	0.1079	0.0788	0.5027	1.5041	2.3446
20 mph	0.0559	0.0050	0.0252	0.0142	0.0765	0.0558	0.9241	2.7906	3.9473
25 mph	0.2388	0.0216	0.1071	0.0567	0.3745	0.2739	3.5031	10.2618	14.8376
30 mph	0.2506	0.0227	0.1121	0.0605	0.3208	0.2328	2.6323	7.8023	11.4341
35 mph	0.3715	0.0338	0.1655	0.0827	0.3365	0.2448	1.7312	5.1946	8.1605
40 mph	0.0965	0.0088	0.0429	0.0309	0.1979	0.1427	1.5459	4.6850	6.7506
45 mph	0.0765	0.0070	0.0341	0.0243	0.1568	0.1115	1.1018	3.3573	4.8692
50 mph	0.0795	0.0073	0.0354	0.0260	0.1768	0.1246	0.9801	2.9673	4.3969
55 mph	0.0561	0.0052	0.0251	0.0173	0.1177	0.0822	0.3295	0.8268	1.4600
60 mph	0.0891	0.0082	0.0400	0.0233	0.1426	0.0990	13.6060	33.9124	47.9206
65 mph	0.0144	0.0013	0.0065	0.0044	0.0268	0.0184	-	-	0.0718
70 mph	0.2050	0.0195	0.0905	0.1004	0.6507	0.4454	-	-	1.5114
STREX	0.1670	0.0139	0.0701	0.1160	0.0528	0.0155	0.0238	0.0000	0.4591
total	1.8748	0.1699	0.8329	0.5987	2.9013	2.0427	27.6175	75.5096	**111.5475**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0195	0.0212	0.0217	0.0230	0.0325	0.0327	0.0297	0.0020
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1670	0.0139	0.0701	0.1160	0.0528	0.0155	0.0238	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1670	0.0139	0.0701	0.1160	0.0528	0.0155	0.0238	0.0000

World Logistics Center
Mobile Emissions - 2033 (Net) - Mitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.8390	1.8603	3.3689	2.3875
10 mph	0.0043	0.0078	0.0071	0.0081	0.0081	0.0070	0.0156	0.3006
15 mph	0.0029	0.0053	0.0048	0.0054	0.0054	0.0047	0.0104	0.1997
20 mph	0.0020	0.0037	0.0034	0.0038	0.0039	0.0033	0.0073	0.1401
25 mph	0.0015	0.0028	0.0025	0.0028	0.0029	0.0024	0.0054	0.1037
30 mph	0.0011	0.0022	0.0019	0.0022	0.0023	0.0019	0.0042	0.0809
35 mph	0.0009	0.0018	0.0016	0.0018	0.0019	0.0016	0.0034	0.0667
40 mph	0.0008	0.0016	0.0014	0.0016	0.0017	0.0014	0.0030	0.0580
45 mph	0.0008	0.0014	0.0013	0.0015	0.0015	0.0013	0.0027	0.0532
50 mph	0.0007	0.0014	0.0012	0.0014	0.0015	0.0012	0.0026	0.0514
55 mph	0.0007	0.0014	0.0012	0.0014	0.0015	0.0012	0.0027	0.0523
60 mph	0.0008	0.0015	0.0013	0.0015	0.0016	0.0013	0.0028	0.0559
65 mph	0.0009	0.0016	0.0014	0.0017	0.0018	0.0015		
70 mph	0.0010	0.0019	0.0015	0.0018	0.0020	0.0015		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0235	0.1100
10 mph	0.0035	0.0121	0.0091	0.0039	0.0258	0.0259	0.0015	0.0038
15 mph	0.0018	0.0070	0.0045	0.0019	0.0129	0.0129	0.0008	0.0021
20 mph	0.0007	0.0039	0.0017	0.0008	0.0053	0.0054	0.0006	0.0013
25 mph	0.0004	0.0028	0.0010	0.0005	0.0033	0.0034	0.0005	0.0011
30 mph	0.0003	0.0023	0.0008	0.0004	0.0026	0.0026	0.0004	0.0009
35 mph	0.0003	0.0019	0.0006	0.0003	0.0021	0.0021	0.0003	0.0007
40 mph	0.0002	0.0017	0.0005	0.0002	0.0018	0.0018	0.0003	0.0006
45 mph	0.0002	0.0016	0.0004	0.0002	0.0016	0.0016	0.0002	0.0006
50 mph	0.0002	0.0015	0.0004	0.0002	0.0014	0.0014	0.0002	0.0006
55 mph	0.0002	0.0016	0.0003	0.0002	0.0013	0.0013	0.0003	0.0006
60 mph	0.0001	0.0017	0.0003	0.0001	0.0013	0.0013	0.0003	0.0007
65 mph	0.0001	0.0019	0.0003	0.0002	0.0014	0.0014		
70 mph	0.0002	0.0020	0.0003	0.0002	0.0020	0.0019		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.8831
10 mph								10.8141
15 mph								7.4871
20 mph								5.3309
25 mph								3.9104
30 mph								2.8946
35 mph								2.1444
40 mph								1.5909
45 mph								1.1831
50 mph								0.8837
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0649	0.0090	0.0404	0.0168	0.0074	0.0019	0.0073	0.0012	0.1490
15 mph	0.0173	0.0024	0.0108	0.0045	0.0020	0.0005	0.0016	0.0003	0.0394
20 mph	0.0242	0.0035	0.0153	0.0064	0.0028	0.0007	0.0023	0.0004	0.0555
25 mph	0.0894	0.0129	0.0565	0.0235	0.0105	0.0026	0.0092	0.0015	0.2062
30 mph	0.0765	0.0111	0.0484	0.0202	0.0091	0.0022	0.0065	0.0011	0.1750
35 mph	0.0513	0.0075	0.0324	0.0136	0.0062	0.0015	0.0024	0.0004	0.1152
40 mph	0.0149	0.0022	0.0094	0.0039	0.0018	0.0004	0.0023	0.0004	0.0353
45 mph	0.0114	0.0017	0.0072	0.0030	0.0014	0.0003	0.0017	0.0003	0.0269
50 mph	0.0110	0.0016	0.0069	0.0029	0.0014	0.0003	0.0026	0.0005	0.0271
55 mph	0.0089	0.0013	0.0056	0.0024	0.0011	0.0003	0.0006	0.0001	0.0202
60 mph	0.0188	0.0027	0.0117	0.0049	0.0024	0.0006	0.0007	0.0001	0.0419
65 mph	0.0026	0.0004	0.0016	0.0007	0.0003	0.0001	-	-	0.0057
70 mph	-	-	-	-	-	-	-	-	-
total	0.3911	0.0561	0.2461	0.1028	0.0465	0.0114	0.0371	0.0063	0.8975

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0054	0.0007	0.0033	0.0029	0.0016	0.0004	-	-	0.0144
15 mph	0.0036	0.0005	0.0022	0.0019	0.0011	0.0003	-	-	0.0096
20 mph	0.0025	0.0004	0.0016	0.0014	0.0008	0.0002	0.0041	0.0007	0.0115
25 mph	0.0037	0.0005	0.0023	0.0020	0.0011	0.0003	0.0053	0.0009	0.0162
30 mph	0.0057	0.0008	0.0036	0.0032	0.0018	0.0004	0.0070	0.0012	0.0238
35 mph	0.0106	0.0015	0.0067	0.0059	0.0033	0.0008	0.0057	0.0010	0.0356
40 mph	0.0102	0.0015	0.0065	0.0057	0.0032	0.0008	0.0046	0.0008	0.0332
45 mph	0.0075	0.0011	0.0047	0.0042	0.0024	0.0006	0.0030	0.0005	0.0241
50 mph	0.0082	0.0012	0.0051	0.0045	0.0026	0.0006	0.0015	0.0003	0.0240
55 mph	0.0046	0.0007	0.0029	0.0025	0.0015	0.0004	0.0007	0.0001	0.0134
60 mph	0.0029	0.0004	0.0018	0.0016	0.0010	0.0002	0.0560	0.0096	0.0735
65 mph	0.0011	0.0002	0.0007	0.0006	0.0004	0.0001	-	-	0.0030
70 mph	0.0549	0.0082	0.0328	0.0302	0.0181	0.0040	-	-	0.1483
total	0.1210	0.0178	0.0744	0.0665	0.0389	0.0090	0.0879	0.0150	0.4304

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2051	0.0606	0.1730	0.0014	0.4402
15 mph	0.0311	0.0044	0.0195	0.0065	0.0030	0.0008	0.0026	0.0004	0.0684
25 mph	-	-	-	-	0.0031	0.0008	0.0059	0.0010	0.0107
35 mph	0.0442	0.0064	0.0279	0.0086	-	-	-	-	0.0872
total	0.0753	0.0108	0.0474	0.0152	0.2112	0.0621	0.1815	0.0029	0.6064

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2051	0.0606	0.1730	0.0014	0.4402
10 mph	0.0703	0.0098	0.0438	0.0197	0.0090	0.0023	0.0073	0.0012	0.1634
15 mph	0.0519	0.0073	0.0326	0.0130	0.0061	0.0015	0.0042	0.0007	0.1173
20 mph	0.0267	0.0038	0.0169	0.0077	0.0036	0.0009	0.0064	0.0011	0.0671
25 mph	0.0931	0.0134	0.0588	0.0256	0.0147	0.0036	0.0204	0.0034	0.2330
30 mph	0.0822	0.0119	0.0520	0.0234	0.0109	0.0027	0.0135	0.0023	0.1988
35 mph	0.1061	0.0155	0.0670	0.0281	0.0095	0.0023	0.0081	0.0014	0.2380
40 mph	0.0251	0.0037	0.0158	0.0096	0.0051	0.0012	0.0069	0.0012	0.0685
45 mph	0.0189	0.0028	0.0119	0.0072	0.0038	0.0009	0.0047	0.0008	0.0510
50 mph	0.0191	0.0028	0.0120	0.0074	0.0040	0.0009	0.0041	0.0007	0.0511
55 mph	0.0135	0.0020	0.0085	0.0049	0.0026	0.0006	0.0014	0.0002	0.0337
60 mph	0.0217	0.0031	0.0135	0.0065	0.0033	0.0008	0.0566	0.0097	0.1154
65 mph	0.0037	0.0005	0.0023	0.0013	0.0007	0.0002	-	-	0.0087
70 mph	0.0549	0.0082	0.0328	0.0302	0.0181	0.0040	-	-	0.1483
total	0.5874	0.0847	0.3679	0.1845	0.2966	0.0825	0.3065	0.0242	1.9344

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0005	0.0003	0.0239	0.0160	0.0042	0.0191	0.0646
15 mph	0.0001	0.0000	0.0001	0.0001	0.0048	0.0032	0.0008	0.0035	0.0125
20 mph	0.0001	0.0000	0.0001	0.0000	0.0040	0.0027	0.0011	0.0044	0.0123
25 mph	0.0003	0.0000	0.0002	0.0001	0.0123	0.0083	0.0046	0.0197	0.0456
30 mph	0.0003	0.0000	0.0002	0.0001	0.0104	0.0070	0.0034	0.0145	0.0359
35 mph	0.0002	0.0000	0.0001	0.0001	0.0070	0.0047	0.0013	0.0054	0.0187
40 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0013	0.0012	0.0051	0.0097
45 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0010	0.0009	0.0038	0.0071
50 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0009	0.0014	0.0062	0.0098
55 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0006	0.0004	0.0016	0.0036
60 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0013	0.0004	0.0018	0.0055
65 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0017	0.0000	0.0013	0.0007	0.0701	0.0471	0.0196	0.0850	0.2258

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0000	0.0051	0.0034	-	-	0.0087
15 mph	0.0000	0.0000	0.0000	0.0000	0.0026	0.0017	-	-	0.0043
20 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0007	0.0019	0.0079	0.0117
25 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0009	0.0026	0.0113	0.0162
30 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0014	0.0037	0.0157	0.0228
35 mph	0.0000	0.0000	0.0000	0.0000	0.0037	0.0025	0.0030	0.0129	0.0223
40 mph	0.0000	0.0000	0.0000	0.0000	0.0035	0.0024	0.0024	0.0102	0.0185
45 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0017	0.0016	0.0068	0.0126
50 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0017	0.0008	0.0034	0.0085
55 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0009	0.0004	0.0019	0.0045
60 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0005	0.0359	0.1546	0.1918
65 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	-	-	0.0005
70 mph	0.0001	0.0000	0.0001	0.0001	0.0179	0.0114	-	-	0.0295
total	0.0004	0.0000	0.0003	0.0003	0.0445	0.0293	0.0524	0.2248	0.3519

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0166	0.0111	0.0071	0.0610	0.0959
15 mph	0.0002	0.0000	0.0002	0.0001	0.0073	0.0049	0.0013	0.0056	0.0195
25 mph	-	-	-	-	0.0036	0.0024	0.0029	0.0126	0.0215
35 mph	0.0001	0.0000	0.0001	0.0000	-	-	-	-	0.0003
total	0.0004	0.0000	0.0003	0.0001	0.0275	0.0184	0.0113	0.0792	0.1372

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0166	0.0111	0.0071	0.0610	0.0959
10 mph	0.0007	0.0000	0.0005	0.0003	0.0290	0.0195	0.0042	0.0191	0.0733
15 mph	0.0004	0.0000	0.0003	0.0002	0.0146	0.0098	0.0020	0.0091	0.0364
20 mph	0.0001	0.0000	0.0001	0.0001	0.0050	0.0034	0.0030	0.0123	0.0239
25 mph	0.0003	0.0000	0.0002	0.0001	0.0172	0.0116	0.0102	0.0436	0.0833
30 mph	0.0003	0.0000	0.0002	0.0001	0.0125	0.0084	0.0070	0.0302	0.0587
35 mph	0.0003	0.0000	0.0003	0.0001	0.0107	0.0072	0.0043	0.0183	0.0412
40 mph	0.0001	0.0000	0.0001	0.0000	0.0055	0.0037	0.0036	0.0153	0.0283
45 mph	0.0001	0.0000	0.0000	0.0000	0.0039	0.0026	0.0025	0.0106	0.0197
50 mph	0.0001	0.0000	0.0000	0.0000	0.0038	0.0026	0.0022	0.0096	0.0183
55 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0015	0.0008	0.0035	0.0081
60 mph	0.0000	0.0000	0.0000	0.0000	0.0026	0.0018	0.0364	0.1565	0.1973
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0004	-	-	0.0009
70 mph	0.0001	0.0000	0.0001	0.0001	0.0179	0.0114	-	-	0.0295
total	0.0025	0.0000	0.0019	0.0012	0.1421	0.0948	0.0833	0.3891	0.7149

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT)

Surface Street Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								3.7289	3.7289
15 mph								0.8606	0.8606
20 mph								1.2255	1.2255
25 mph								4.9441	4.9441
30 mph								3.3270	3.3270
35 mph								1.1091	1.1091
40 mph								0.9143	0.9143
45 mph								0.5440	0.5440
50 mph								0.6602	0.6602
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	17.3136	17.3136

Freeway Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								2.2092	2.2092
25 mph								2.8360	2.8360
30 mph								3.5987	3.5987
35 mph								2.6660	2.6660
40 mph								1.8130	1.8130
45 mph								0.9806	0.9806
50 mph								0.3662	0.3662
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	11.3099	11.3099

Internal Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0713	0.0713
15 mph								1.3823	1.3823
25 mph								3.1594	3.1594
35 mph								-	-
total	-	-	-	-	-	-	-	4.6130	4.6130

Total Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0713	0.0713
10 mph								3.7289	3.7289
15 mph								2.2429	2.2429
20 mph								3.4347	3.4347
25 mph								10.9394	10.9394
30 mph								6.9257	6.9257
35 mph								3.7752	3.7752
40 mph								2.7273	2.7273
45 mph								1.5246	1.5246
50 mph								1.0264	1.0264
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	36.3964	36.3964

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2218	0.0717	0.1801	0.1338	0.6074
10 mph	0.0709	0.0098	0.0443	0.0200	0.0381	0.0217	0.0115	3.7492	3.9656
15 mph	0.0523	0.0073	0.0329	0.0131	0.0207	0.0113	0.0063	2.2527	2.3966
20 mph	0.0269	0.0038	0.0169	0.0078	0.0086	0.0043	0.0094	3.4481	3.5257
25 mph	0.0934	0.0134	0.0591	0.0257	0.0320	0.0152	0.0305	10.9865	11.2558
30 mph	0.0825	0.0119	0.0522	0.0235	0.0234	0.0111	0.0205	6.9581	7.1832
35 mph	0.1065	0.0155	0.0672	0.0282	0.0202	0.0095	0.0124	3.7948	4.0544
40 mph	0.0252	0.0037	0.0159	0.0097	0.0106	0.0049	0.0104	2.7438	2.8241
45 mph	0.0189	0.0028	0.0119	0.0072	0.0077	0.0035	0.0072	1.5360	1.5953
50 mph	0.0192	0.0028	0.0121	0.0074	0.0078	0.0035	0.0063	1.0367	1.0958
55 mph	0.0136	0.0020	0.0085	0.0049	0.0048	0.0021	0.0022	0.0037	0.0417
60 mph	0.0218	0.0031	0.0136	0.0066	0.0060	0.0026	0.0930	0.1662	0.3127
65 mph	0.0037	0.0005	0.0023	0.0013	0.0012	0.0005	-	-	0.0096
70 mph	0.0550	0.0082	0.0329	0.0303	0.0360	0.0154	-	-	0.1778
STREX	0.2276	0.0214	0.1168	0.2029	0.0223	0.0065	0.0257	0.0000	0.6231
total	0.8175	0.1061	0.4866	0.3886	0.4611	0.1838	0.4155	36.8096	**39.6688**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0265	0.0326	0.0362	0.0402	0.0137	0.0137	0.0321	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2276	0.0214	0.1168	0.2029	0.0223	0.0065	0.0257	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.2276	0.0214	0.1168	0.2029	0.0223	0.0065	0.0257	0.0000

World Logistics Center
Mobile Emissions - 2033 (Net) - Mitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,064.72	4,753.33	12,015.44	19,641.32
10 mph	407.30	478.41	481.20	591.06	1,332.01	1,535.36	2,730.16	3,196.14
15 mph	332.96	391.12	393.32	482.93	1,088.52	1,253.79	2,235.04	2,622.33
20 mph	276.91	325.26	327.10	401.64	905.11	1,042.86	1,857.08	2,184.89
25 mph	236.73	278.10	279.70	343.61	773.58	891.10	1,588.48	1,871.23
30 mph	210.11	246.83	248.29	305.23	686.68	791.10	1,410.94	1,661.31
35 mph	194.86	228.89	230.29	283.38	636.87	733.90	1,309.19	1,538.74
40 mph	188.77	221.74	223.08	274.54	616.54	710.51	1,266.75	1,487.44
45 mph	189.83	222.88	224.17	275.81	618.79	713.09	1,272.20	1,488.68
50 mph	195.49	229.49	230.79	284.12	636.98	733.80	1,308.78	1,528.36
55 mph	203.08	238.34	239.77	295.30	662.98	763.69	1,360.47	1,587.16
60 mph	209.04	245.72	247.38	305.06	689.83	794.62	1,415.08	1,647.94
65 mph	214.20	252.15	253.94	313.63	710.73	818.38		
70 mph	217.21	255.48	256.76	319.89	719.65	826.23		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,292.01	5,324.95	5,480.37	5,040.94
10 mph	346.32	717.64	463.35	576.45	861.53	964.31	1,670.80	2,410.48
15 mph	284.86	596.74	384.28	488.70	561.14	640.17	1,313.90	1,873.60
20 mph	233.68	489.92	315.69	405.90	478.80	546.61	1,122.35	1,613.01
25 mph	195.90	409.19	264.69	343.53	424.50	486.95	979.35	1,345.94
30 mph	169.71	351.89	228.85	297.01	385.82	439.55	859.89	1,182.42
35 mph	153.45	315.21	206.50	269.85	386.43	440.27	768.12	1,058.22
40 mph	143.60	293.74	192.72	252.49	376.16	424.55	703.94	972.27
45 mph	138.72	283.39	185.81	242.98	367.10	408.32	667.26	924.23
50 mph	139.13	283.23	186.07	244.36	385.09	423.69	658.50	908.42
55 mph	145.57	296.43	194.53	257.82	401.91	437.95	677.63	945.54
60 mph	157.82	321.45	210.75	279.17	405.84	439.41	723.99	1,003.09
65 mph	177.48	358.24	236.65	313.91	411.79	441.41		
70 mph	192.69	373.23	253.93	340.98	417.88	448.80		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,067.69
10 mph								4,125.73
15 mph								3,461.76
20 mph								3,022.56
25 mph								2,786.71
30 mph								2,636.12
35 mph								2,516.92
40 mph								2,419.16
45 mph								2,336.94
50 mph								2,266.47
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	6,165.05	552.72	2,738.58	1,227.33	1,218.97	410.21	1,276.44	13.03	13,602.33
15 mph	2,015.89	180.75	895.38	401.12	398.46	133.99	348.32	3.56	4,377.47
20 mph	3,353.08	300.63	1,489.27	667.20	662.64	222.90	578.83	5.94	7,280.49
25 mph	14,332.67	1,285.20	6,367.35	2,853.97	2,831.72	952.31	2,723.10	27.98	31,374.31
30 mph	13,993.12	1,254.72	6,217.46	2,788.76	2,764.99	929.98	2,198.87	22.58	30,170.48
35 mph	10,618.24	951.99	4,718.22	2,118.37	2,098.15	705.88	918.13	9.41	22,138.39
40 mph	3,428.76	307.42	1,523.52	684.08	677.06	227.80	987.07	10.11	7,845.83
45 mph	2,873.25	257.49	1,275.81	572.72	566.28	190.52	793.06	8.09	6,537.23
50 mph	2,958.99	265.13	1,313.46	589.97	582.92	196.05	1,325.77	13.50	7,245.80
55 mph	2,459.04	220.29	1,091.67	490.54	485.37	163.23	318.03	3.24	5,231.41
60 mph	5,062.48	454.22	2,252.59	1,013.54	1,010.06	339.68	330.80	3.36	10,466.71
65 mph	648.43	58.26	289.04	130.25	130.08	43.73	-	-	1,299.80
70 mph	-	-	-	-	-	-	-	-	-
total	67,909.00	6,088.83	30,172.35	13,537.86	13,426.71	4,516.27	11,798.41	120.81	147,570.24

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	509.88	45.71	226.50	212.00	261.39	87.96	-	-	1,343.44
15 mph	416.81	37.37	185.13	173.21	213.61	71.83	-	-	1,097.97
20 mph	346.65	31.08	153.96	144.06	177.62	59.75	1,043.49	10.71	1,967.31
25 mph	592.70	53.15	263.31	246.48	303.61	102.10	1,561.98	16.05	3,139.37
30 mph	1,052.10	94.34	467.47	437.91	539.01	181.29	2,378.41	24.43	5,174.95
35 mph	2,195.47	196.84	975.56	914.76	1,124.79	378.41	2,206.88	22.62	8,015.33
40 mph	2,363.15	211.88	1,050.03	984.68	1,209.88	407.06	1,957.39	20.05	8,204.12
45 mph	1,901.07	170.37	844.13	791.41	971.44	326.83	1,429.69	14.59	6,449.53
50 mph	2,202.52	197.35	977.67	917.15	1,124.99	378.36	735.40	7.49	6,540.93
55 mph	1,271.10	113.87	564.29	529.57	650.50	218.76	382.22	3.89	3,734.21
60 mph	785.05	70.44	349.32	328.25	406.11	136.57	27,829.40	282.66	30,187.80
65 mph	268.14	24.09	119.53	112.49	139.47	46.89	-	-	710.61
70 mph	12,507.81	1,122.93	5,559.36	5,277.82	6,496.15	2,177.43	-	-	33,141.50
total	26,412.45	2,369.42	11,736.26	11,069.80	13,618.56	4,573.25	39,524.85	402.48	109,707.08

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	453.43	154.80	617.04	11.90	1,237.17
15 mph	3,633.72	325.81	1,613.96	581.03	609.65	205.01	559.51	5.73	7,534.42
25 mph	-	-	-	-	822.85	276.73	1,740.11	17.88	2,857.57
35 mph	9,150.16	820.37	4,065.88	1,348.03	-	-	-	-	15,384.44
total	12,783.88	1,146.18	5,679.84	1,929.06	1,885.93	636.54	2,916.66	35.51	27,013.60

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	453.43	154.80	617.04	11.90	1,237.17
10 mph	6,674.94	598.43	2,965.08	1,439.33	1,480.36	498.17	1,276.44	13.03	14,945.77
15 mph	6,066.42	543.93	2,694.48	1,155.36	1,221.71	410.83	907.83	9.29	13,009.85
20 mph	3,699.73	331.71	1,643.24	811.26	840.26	282.65	1,622.32	16.65	9,247.80
25 mph	14,925.37	1,338.35	6,630.66	3,100.45	3,958.19	1,331.14	6,025.19	61.90	37,371.25
30 mph	15,045.21	1,349.06	6,684.93	3,226.67	3,304.00	1,111.27	4,577.28	47.01	35,345.43
35 mph	21,963.87	1,969.19	9,759.65	4,381.16	3,222.94	1,084.29	3,125.01	32.03	45,538.16
40 mph	5,791.91	519.30	2,573.55	1,668.77	1,886.95	634.86	2,944.47	30.16	16,049.95
45 mph	4,774.32	427.86	2,119.94	1,364.14	1,537.72	517.35	2,222.75	22.69	12,986.76
50 mph	5,161.51	462.49	2,291.13	1,507.11	1,707.91	574.41	2,061.17	20.99	13,786.73
55 mph	3,730.15	334.16	1,655.96	1,020.11	1,135.87	381.99	700.25	7.13	8,965.62
60 mph	5,847.53	524.65	2,601.90	1,341.79	1,416.17	476.26	28,160.19	286.02	40,654.51
65 mph	916.57	82.36	408.57	242.74	269.55	90.62	-	-	2,010.41
70 mph	12,507.81	1,122.93	5,559.36	5,277.82	6,496.15	2,177.43	-	-	33,141.50
total	107,105.33	9,604.43	47,588.45	26,536.72	28,931.20	9,726.07	54,239.93	558.80	284,290.93

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	60.77	0.13	25.12	39.22	798.06	596.10	4,628.51	12,172.71	18,320.62
15 mph	19.99	0.04	8.33	13.30	207.92	158.29	1,213.28	3,153.84	4,774.99
20 mph	32.80	0.07	13.69	22.09	354.82	270.32	2,072.78	5,430.37	8,196.94
25 mph	137.51	0.29	57.40	93.49	1,572.91	1,204.06	9,947.81	24,921.84	37,935.29
30 mph	131.03	0.27	54.59	88.91	1,572.56	1,195.55	7,940.36	19,903.75	30,887.02
35 mph	96.94	0.20	40.30	66.09	1,288.67	979.77	3,191.81	8,015.88	13,679.65
40 mph	30.24	0.06	12.54	20.61	418.14	314.93	3,250.12	8,183.13	12,229.77
45 mph	24.34	0.05	10.07	16.53	340.05	252.41	2,464.63	6,223.07	9,331.16
50 mph	24.41	0.05	10.09	16.63	356.72	261.91	3,952.45	9,939.52	14,561.78
55 mph	20.44	0.04	8.44	14.03	297.84	216.58	938.60	2,387.45	3,883.42
60 mph	44.31	0.09	18.28	30.39	601.51	434.61	1,002.82	2,532.76	4,664.77
65 mph	6.23	0.01	2.57	4.27	76.29	54.57	-	-	143.94
70 mph	-	-	-	-	-	-	-	-	-
total	629.01	1.31	261.41	425.56	7,885.48	5,939.10	40,603.16	102,864.32	158,609.35

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	5.03	0.01	2.08	6.77	171.13	127.83	-	-	312.84
15 mph	4.13	0.01	1.72	5.74	111.46	84.86	-	-	207.93
20 mph	3.39	0.01	1.42	4.77	95.11	72.46	3,736.71	9,789.62	13,703.48
25 mph	5.69	0.01	2.37	8.07	168.64	129.10	5,706.10	14,295.25	20,315.23
30 mph	9.85	0.02	4.10	13.96	306.56	233.06	8,588.71	21,528.93	30,685.19
35 mph	20.04	0.04	8.33	28.54	690.84	525.24	7,672.06	19,267.53	28,212.63
40 mph	20.84	0.04	8.64	29.67	747.20	562.76	6,445.08	16,227.38	24,041.61
45 mph	16.11	0.03	6.66	22.84	583.35	433.00	4,443.12	11,218.67	16,723.79
50 mph	18.17	0.04	7.51	25.84	688.43	505.46	2,192.40	5,513.39	8,951.24
55 mph	10.56	0.02	4.36	15.15	399.17	290.26	1,128.04	2,869.32	4,716.89
60 mph	6.87	0.01	2.83	9.84	241.85	174.74	84,365.59	213,077.32	297,879.07
65 mph	2.58	0.01	1.06	3.69	81.80	58.51	-	-	147.64
70 mph	128.64	0.25	52.37	184.32	3,818.27	2,736.61	-	-	6,920.46
total	251.90	0.51	103.47	359.22	8,103.80	5,933.89	124,277.81	313,787.40	452,818.00

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	371.72	401.25	1,667.59	2,796.14	5,236.69
15 mph	36.04	0.08	15.02	19.26	318.12	242.19	1,948.92	5,066.09	7,645.72
25 mph	-	-	-	-	457.06	349.88	6,356.84	15,925.54	23,089.32
35 mph	83.53	0.17	34.73	42.06	-	-	-	-	160.49
total	119.57	0.25	49.75	61.32	1,146.90	993.32	9,973.35	23,787.76	36,132.23

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	371.72	401.25	1,667.59	2,796.14	5,236.69
10 mph	65.80	0.14	27.20	45.99	969.19	723.93	4,628.51	12,172.71	18,633.46
15 mph	60.17	0.13	25.08	38.31	637.50	485.34	3,162.19	8,219.92	12,628.63
20 mph	36.19	0.08	15.11	26.86	449.92	342.77	5,809.48	15,220.00	21,900.42
25 mph	143.19	0.30	59.77	101.56	2,198.61	1,683.04	22,010.75	55,142.62	81,339.84
30 mph	140.88	0.29	58.69	102.87	1,879.11	1,428.61	16,529.07	41,432.67	61,572.21
35 mph	200.51	0.41	83.36	136.69	1,979.51	1,505.00	10,863.87	27,283.41	42,052.78
40 mph	51.08	0.11	21.18	50.29	1,165.34	877.69	9,695.20	24,410.50	36,271.38
45 mph	40.45	0.08	16.74	39.37	923.40	685.41	6,907.75	17,441.74	26,054.95
50 mph	42.59	0.09	17.60	42.47	1,045.15	767.37	6,144.84	15,452.91	23,513.02
55 mph	31.00	0.06	12.80	29.18	697.01	506.84	2,066.65	5,256.77	8,600.31
60 mph	51.18	0.10	21.11	40.23	843.36	609.35	85,368.41	215,610.08	302,543.84
65 mph	8.80	0.02	3.63	7.96	158.09	113.08	-	-	291.58
70 mph	128.64	0.25	52.37	184.32	3,818.27	2,736.61	-	-	6,920.46
total	1,000.49	2.06	414.63	846.11	17,136.18	12,866.30	174,854.32	440,439.48	647,559.58

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT)

Surface Street Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1,422.64	1,422.64
15 mph								397.89	397.89
20 mph								694.83	694.83
25 mph								3,523.35	3,523.35
30 mph								3,029.96	3,029.96
35 mph								1,301.83	1,301.83
40 mph								1,390.29	1,390.29
45 mph								1,074.43	1,074.43
50 mph								1,693.30	1,693.30
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	14,528.52	14,528.52

Freeway Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1,252.60	1,252.60
25 mph								2,021.00	2,021.00
30 mph								3,277.36	3,277.36
35 mph								3,129.16	3,129.16
40 mph								2,756.99	2,756.99
45 mph								1,936.94	1,936.94
50 mph								939.26	939.26
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	9,680.13	9,680.13

Internal Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								191.94	191.94
15 mph								639.15	639.15
25 mph								2,251.49	2,251.49
35 mph								-	-
total	-	-	-	-	-	-	-	3,082.58	3,082.58

Total Emissions Electric/Natural Gas (HHDT)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								191.94	191.94
10 mph								1,422.64	1,422.64
15 mph								1,037.04	1,037.04
20 mph								1,947.43	1,947.43
25 mph								7,795.84	7,795.84
30 mph								6,307.33	6,307.33
35 mph								4,430.99	4,430.99
40 mph								4,147.28	4,147.28
45 mph								3,011.37	3,011.37
50 mph								2,632.56	2,632.56
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	32,924.41	32,924.41

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	825.15	556.05	2,284.63	2,999.98	6,665.80
10 mph	6,740.73	598.57	2,992.27	1,485.32	2,449.54	1,222.10	5,904.95	13,608.38	35,001.87
15 mph	6,126.59	544.06	2,719.56	1,193.66	1,859.21	896.17	4,070.02	9,266.25	26,675.53
20 mph	3,735.92	331.78	1,658.35	838.12	1,290.18	625.42	7,431.80	17,184.07	33,095.64
25 mph	15,068.56	1,338.65	6,690.43	3,202.01	6,156.80	3,014.18	28,035.94	63,000.36	126,506.93
30 mph	15,186.10	1,349.36	6,743.62	3,329.54	5,183.12	2,539.88	21,106.35	47,787.00	103,224.97
35 mph	22,164.38	1,969.61	9,843.02	4,517.85	5,202.45	2,589.30	13,988.88	31,746.43	92,021.93
40 mph	5,842.99	519.40	2,594.73	1,719.05	3,052.29	1,512.55	12,639.66	28,587.94	56,468.62
45 mph	4,814.77	427.95	2,136.67	1,403.51	2,461.12	1,202.76	9,130.50	20,475.79	42,053.07
50 mph	5,204.10	462.57	2,308.72	1,549.58	2,753.06	1,341.79	8,206.02	18,106.47	39,932.31
55 mph	3,761.15	334.22	1,668.76	1,049.29	1,832.88	888.83	2,766.90	5,263.90	17,565.93
60 mph	5,898.71	524.76	2,623.02	1,382.02	2,259.52	1,085.60	113,528.61	215,896.11	343,198.35
65 mph	925.38	82.38	412.20	250.70	427.64	203.70	-	-	2,301.99
70 mph	12,636.44	1,123.18	5,611.73	5,462.14	10,314.42	4,914.05	-	-	40,061.96
STREX	369.82	33.29	168.50	324.92	27.30	9.10	26.09	0.27	959.29
total	108,475.64	9,639.78	48,171.57	27,707.75	46,094.69	22,601.48	229,120.34	473,922.97	**965,734.21**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	43.09	50.81	52.21	64.31	16.82	19.21	32.62	39.00
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	369.82	33.29	168.50	324.92	27.30	9.10	26.09	0.27
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	369.82	33.29	168.50	324.92	27.30	9.10	26.09	0.27

World Logistics Center
Mobile Emissions - 2034 (Net) - Mitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
44.45	1,306.87	839.38	9.37	12.35	220.54	135.24	368.13	11.78	54.13	52.95	118.87	8.95	115.56	42.00	1,009,333.31

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
8.11	238.50	153.19	1.71	2.25	40.25	24.68	67.18	2.15	9.88	9.66	21.69	1.63	21.09	7.67	184,203.33

World Logistics Center
Mobile Emissions - 2034 (Net) - Mitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	4,291.96	50.32	233.92	219,594.25	2,574.68	11,968.15
LDT1	327.81	0.05	9.77	16,772.32	2.53	499.94
LDT2	1,614.34	15.56	59.80	82,595.94	796.00	3,059.71
MDT	2,397.24	79.69	96.77	36,727.10	1,220.93	1,482.63
LHDT1	763.36	789.56	-	17,906.63	18,521.17	-
LHDT2	222.30	524.32	-	5,214.50	12,299.24	-
MHDT	379.63	2,260.73	-	17,074.34	101,679.20	-
HHDT	3.42	4,112.46	286.78	153.89	184,963.24	12,898.35

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	155,351.92	1,821.46	8,466.87	64,242.33	753.22	3,501.28
LDT1	11,865.57	1.79	353.69	4,906.74	0.74	146.26
LDT2	58,432.49	563.13	2,164.59	24,163.46	232.87	895.12
MDT	19,707.09	655.13	795.55	17,020.01	565.80	687.08
LHDT1	8,641.48	8,938.04	-	9,265.15	9,583.13	-
LHDT2	2,516.44	5,935.43	-	2,698.06	6,363.81	-
MHDT	3,707.37	22,077.75	-	13,366.96	79,601.46	-
HHDT	33.41	40,161.33	2,800.64	120.47	144,801.92	10,097.71

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	7,767.60	593.28	2,921.62	985.35	432.07	125.82	222.44	2.00	13,050.20
15 mph	3,107.04	237.31	1,168.65	394.14	172.83	50.33	74.15	0.67	5,205.12
20 mph	6,214.08	474.62	2,337.30	788.28	345.66	100.66	148.29	1.34	10,410.23
25 mph	31,070.38	2,373.11	11,686.50	3,941.42	1,728.30	503.29	815.62	7.35	52,125.97
30 mph	34,177.42	2,610.43	12,855.15	4,335.56	1,901.12	553.62	741.47	6.68	57,181.45
35 mph	27,963.34	2,135.80	10,517.85	3,547.28	1,555.47	452.96	333.66	3.01	46,509.37
40 mph	9,321.11	711.93	3,505.95	1,182.43	518.49	150.99	370.74	3.34	15,764.98
45 mph	7,767.60	593.28	2,921.62	985.35	432.07	125.82	296.59	2.67	13,125.01
50 mph	7,767.60	593.28	2,921.62	985.35	432.07	125.82	481.96	4.34	13,312.05
55 mph	6,214.08	474.62	2,337.30	788.28	345.66	100.66	111.22	1.00	10,372.82
60 mph	12,428.15	949.25	4,674.60	1,576.57	691.32	201.32	111.22	1.00	20,633.42
65 mph	1,553.52	118.66	584.32	197.07	86.41	25.16	-	-	2,565.15
70 mph	-	-	-	-	-	-	-	-	-
total	155,351.92	11,865.57	58,432.49	19,707.09	8,641.48	2,516.44	3,707.37	33.41	260,255.78

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	642.42	49.07	241.63	170.20	92.65	26.98	-	-	1,222.96
15 mph	642.42	49.07	241.63	170.20	92.65	26.98	-	-	1,222.96
20 mph	642.42	49.07	241.63	170.20	92.65	26.98	267.34	2.41	1,492.71
25 mph	1,284.85	98.13	483.27	340.40	185.30	53.96	467.84	4.22	2,917.98
30 mph	2,569.69	196.27	966.54	680.80	370.61	107.92	802.02	7.23	5,701.08
35 mph	5,781.81	441.61	2,174.71	1,531.80	833.86	242.83	802.02	7.23	11,815.86
40 mph	6,424.23	490.67	2,416.35	1,702.00	926.52	269.81	735.18	6.63	12,971.38
45 mph	5,139.39	392.54	1,933.08	1,361.60	741.21	215.84	534.68	4.82	10,323.16
50 mph	5,781.81	441.61	2,174.71	1,531.80	833.86	242.83	267.34	2.41	11,276.37
55 mph	3,212.12	245.34	1,208.17	851.00	463.26	134.90	133.67	1.20	6,249.66
60 mph	1,927.27	147.20	724.90	510.60	277.95	80.94	9,356.87	84.33	13,110.08
65 mph	642.42	49.07	241.63	170.20	92.65	26.98	-	-	1,222.96
70 mph	29,551.47	2,257.10	11,115.19	7,829.20	4,261.97	1,241.11	-	-	56,256.05
total	64,242.33	4,906.74	24,163.46	17,020.01	9,265.15	2,698.06	13,366.96	120.47	135,783.19

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	52.45	15.27	24.31	0.29	92.32
15 mph	5,177.71	395.47	1,947.49	570.62	263.34	76.69	118.49	1.07	8,550.87
25 mph	-	-	-	-	500.13	145.64	518.49	4.67	1,168.93
35 mph	22,277.77	1,701.55	8,379.33	2,256.13	-	-	-	-	34,614.78
total	27,455.48	2,097.01	10,326.82	2,826.75	763.47	222.33	636.97	5.74	44,334.57

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	52.45	15.27	24.31	0.29	92.32
10 mph	8,410.02	642.35	3,163.26	1,155.55	524.73	152.80	222.44	2.00	14,273.15
15 mph	8,927.17	681.85	3,357.78	1,134.96	528.82	153.99	192.63	1.74	14,978.94
20 mph	6,856.50	523.69	2,578.93	958.48	438.31	127.64	415.63	3.75	11,902.94
25 mph	32,355.23	2,471.25	12,169.77	4,281.82	2,413.73	702.89	1,801.95	16.24	56,212.88
30 mph	36,747.11	2,806.70	13,821.69	5,016.36	2,271.73	661.54	1,543.49	13.91	62,882.53
35 mph	56,022.92	4,278.96	21,071.89	7,335.20	2,389.33	695.79	1,135.68	10.24	92,940.01
40 mph	15,745.35	1,202.61	5,922.29	2,884.43	1,445.00	420.79	1,105.92	9.97	28,736.36
45 mph	12,906.98	985.82	4,854.70	2,346.96	1,173.29	341.67	831.27	7.49	23,448.17
50 mph	13,549.41	1,034.89	5,096.34	2,517.16	1,265.94	368.65	749.30	6.75	24,588.42
55 mph	9,426.19	719.96	3,545.47	1,639.28	808.92	235.56	244.89	2.21	16,622.49
60 mph	14,355.42	1,096.45	5,399.50	2,087.17	969.27	282.26	9,468.09	85.33	33,743.50
65 mph	2,195.94	167.72	825.96	367.27	179.07	52.15	-	-	3,788.11
70 mph	29,551.47	2,257.10	11,115.19	7,829.20	4,261.97	1,241.11	-	-	56,256.05
total	247,049.73	18,869.33	92,922.77	39,553.85	18,670.10	5,436.83	17,711.31	159.63	440,373.54

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	91.07	0.09	28.16	32.76	446.90	296.77	1,324.66	2,409.68	4,630.09
15 mph	36.43	0.04	11.26	13.10	178.76	118.71	441.55	803.23	1,603.08
20 mph	72.86	0.07	22.53	26.21	357.52	237.42	883.11	1,606.45	3,206.16
25 mph	364.29	0.36	112.63	131.03	1,787.61	1,187.09	4,857.10	8,835.49	17,275.59
30 mph	400.72	0.39	123.89	144.13	1,966.37	1,305.79	4,415.55	8,032.27	16,389.11
35 mph	327.86	0.32	101.36	117.92	1,608.85	1,068.38	1,987.00	3,614.52	8,826.21
40 mph	109.29	0.11	33.79	39.31	536.28	356.13	2,207.77	4,016.13	7,298.81
45 mph	91.07	0.09	28.16	32.76	446.90	296.77	1,766.22	3,212.91	5,874.87
50 mph	91.07	0.09	28.16	32.76	446.90	296.77	2,870.11	5,220.97	8,986.83
55 mph	72.86	0.07	22.53	26.21	357.52	237.42	662.33	1,204.84	2,583.77
60 mph	145.72	0.14	45.05	52.41	715.04	474.83	662.33	1,204.84	3,300.37
65 mph	18.21	0.02	5.63	6.55	89.38	59.35	-	-	179.15
70 mph	-	-	-	-	-	-	-	-	-
total	1,821.46	1.79	563.13	655.13	8,938.04	5,935.43	22,077.75	40,161.33	80,154.05

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	7.53	0.01	2.33	5.66	95.83	63.64	-	-	175.00
15 mph	7.53	0.01	2.33	5.66	95.83	63.64	-	-	175.00
20 mph	7.53	0.01	2.33	5.66	95.83	63.64	1,592.03	2,896.04	4,663.06
25 mph	15.06	0.01	4.66	11.32	191.66	127.28	2,786.05	5,068.07	8,204.11
30 mph	30.13	0.03	9.31	22.63	383.33	254.55	4,776.09	8,688.12	14,164.19
35 mph	67.79	0.07	20.96	50.92	862.48	572.74	4,776.09	8,688.12	15,039.16
40 mph	75.32	0.07	23.29	56.58	958.31	636.38	4,378.08	7,964.11	14,092.14
45 mph	60.26	0.06	18.63	45.26	766.65	509.10	3,184.06	5,792.08	10,376.10
50 mph	67.79	0.07	20.96	50.92	862.48	572.74	1,592.03	2,896.04	6,063.03
55 mph	37.66	0.04	11.64	28.29	479.16	318.19	796.01	1,448.02	3,119.01
60 mph	22.60	0.02	6.99	16.97	287.49	190.91	55,721.02	101,361.34	157,607.35
65 mph	7.53	0.01	2.33	5.66	95.83	63.64	-	-	175.00
70 mph	346.48	0.34	107.12	260.27	4,408.24	2,927.35	-	-	8,049.80
total	753.22	0.74	232.87	565.80	9,583.13	6,363.81	79,601.46	144,801.92	241,902.95

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	54.25	36.03	144.74	263.30	498.32
15 mph	60.71	0.06	18.77	18.97	272.37	180.87	705.59	1,283.53	2,540.87
25 mph	-	-	-	-	517.29	343.52	3,087.63	5,616.67	9,565.11
35 mph	261.20	0.26	80.75	75.00	-	-	-	-	417.21
total	321.91	0.32	99.52	93.97	789.67	524.39	3,793.22	6,900.20	12,523.19

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	54.25	36.03	144.74	263.30	498.32
10 mph	98.61	0.10	30.49	38.41	542.73	360.41	1,324.66	2,409.68	4,805.09
15 mph	104.67	0.10	32.36	37.73	546.97	363.22	1,147.14	2,086.75	4,318.95
20 mph	80.39	0.08	24.85	31.86	453.35	301.06	2,475.14	4,502.49	7,869.23
25 mph	379.36	0.37	117.28	142.34	2,496.57	1,657.88	10,730.79	19,520.23	35,044.81
30 mph	430.85	0.42	133.20	166.76	2,349.69	1,560.35	9,191.64	16,720.38	30,553.30
35 mph	656.85	0.64	203.08	243.85	2,471.33	1,641.12	6,763.08	12,302.63	24,282.59
40 mph	184.61	0.18	57.07	95.89	1,494.60	992.51	6,585.85	11,980.24	21,390.95
45 mph	151.33	0.15	46.79	78.02	1,213.55	805.88	4,950.28	9,004.98	16,250.98
50 mph	158.86	0.16	49.11	83.68	1,309.38	869.51	4,462.14	8,117.01	15,049.86
55 mph	110.52	0.11	34.17	54.50	836.68	555.61	1,458.35	2,652.86	5,702.78
60 mph	168.31	0.17	52.04	69.38	1,002.54	665.75	56,383.35	102,566.18	160,907.72
65 mph	25.75	0.03	7.96	12.21	185.21	122.99	-	-	354.15
70 mph	346.48	0.34	107.12	260.27	4,408.24	2,927.35	-	-	8,049.80
total	2,896.59	2.84	895.52	1,314.90	19,310.84	12,823.63	105,472.42	191,863.44	334,580.19

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	423.34	17.68	108.23	39.78	-	-	-	168.04	757.07
15 mph	169.34	7.07	43.29	15.91	-	-	-	56.01	291.63
20 mph	338.67	14.15	86.58	31.82	-	-	-	112.03	583.25
25 mph	1,693.37	70.74	432.92	159.11	-	-	-	616.14	2,972.28
30 mph	1,862.71	77.81	476.21	175.02	-	-	-	560.13	3,151.88
35 mph	1,524.04	63.66	389.63	143.20	-	-	-	252.06	2,372.58
40 mph	508.01	21.22	129.88	47.73	-	-	-	280.06	986.91
45 mph	423.34	17.68	108.23	39.78	-	-	-	224.05	813.09
50 mph	423.34	17.68	108.23	39.78	-	-	-	364.08	953.12
55 mph	338.67	14.15	86.58	31.82	-	-	-	84.02	555.25
60 mph	677.35	28.29	173.17	63.64	-	-	-	84.02	1,026.47
65 mph	84.67	3.54	21.65	7.96	-	-	-	-	117.81
70 mph	-	-	-	-	-	-	-	-	-
total	8,466.87	353.69	2,164.59	795.55	-	-	-	2,800.64	14,581.33

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	35.01	1.46	8.95	6.87	-	-	-	-	52.30
15 mph	35.01	1.46	8.95	6.87	-	-	-	-	52.30
20 mph	35.01	1.46	8.95	6.87	-	-	-	201.95	254.25
25 mph	70.03	2.93	17.90	13.74	-	-	-	353.42	458.01
30 mph	140.05	5.85	35.80	27.48	-	-	-	605.86	815.05
35 mph	315.12	13.16	80.56	61.84	-	-	-	605.86	1,076.54
40 mph	350.13	14.63	89.51	68.71	-	-	-	555.37	1,078.35
45 mph	280.10	11.70	71.61	54.97	-	-	-	403.91	822.29
50 mph	315.12	13.16	80.56	61.84	-	-	-	201.95	672.63
55 mph	175.06	7.31	44.76	34.35	-	-	-	100.98	362.46
60 mph	105.04	4.39	26.85	20.61	-	-	-	7,068.40	7,225.29
65 mph	35.01	1.46	8.95	6.87	-	-	-	-	52.30
70 mph	1,610.59	67.28	411.75	316.05	-	-	-	-	2,405.68
total	3,501.28	146.26	895.12	687.08	-	-	-	10,097.71	15,327.45

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	18.36	18.36
15 mph	282.19	11.79	72.14	23.04	-	-	-	89.51	478.66
25 mph	-	-	-	-	-	-	-	391.68	391.68
35 mph	1,214.17	50.72	310.41	91.08	-	-	-	-	1,666.37
total	1,496.36	62.51	382.55	114.11	-	-	-	481.18	2,536.71

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	18.36	18.36
10 mph	458.36	19.15	117.18	46.65	-	-	-	168.04	809.37
15 mph	486.54	20.32	124.39	45.82	-	-	-	145.52	822.59
20 mph	373.69	15.61	95.53	38.69	-	-	-	313.98	837.50
25 mph	1,763.40	73.66	450.82	172.85	-	-	-	1,361.24	3,821.97
30 mph	2,002.76	83.66	512.01	202.50	-	-	-	1,165.99	3,966.93
35 mph	3,053.32	127.55	780.59	296.11	-	-	-	857.92	5,115.49
40 mph	858.14	35.85	219.39	116.44	-	-	-	835.44	2,065.25
45 mph	703.45	29.38	179.84	94.74	-	-	-	627.96	1,635.37
50 mph	738.46	30.85	188.79	101.61	-	-	-	566.04	1,625.75
55 mph	513.74	21.46	131.34	66.18	-	-	-	185.00	917.71
60 mph	782.39	32.68	200.02	84.26	-	-	-	7,152.42	8,251.77
65 mph	119.68	5.00	30.60	14.83	-	-	-	-	170.10
70 mph	1,610.59	67.28	411.75	316.05	-	-	-	-	2,405.68
total	8,138.06	339.95	2,080.53	802.63	-	-	-	4,012.68	32,445.49

World Logistics Center
Mobile Emissions - 2034 (Net) - Mitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	26025	330	0.21	5465.2	5125.8	60.1	279.4
	LDT1	15	1920	330	0.21	403.2	391.5	0.1	11.7
	LDT2	15	9609	330	0.21	2018.0	1928.0	18.6	71.4
	MDT	15	2895	330	0.21	608.0	566.3	18.8	22.9
	LHDT1	15	2544	330	0.21	534.2	262.6	271.6	0.0
	LHDT2	15	1223	330	0.21	256.8	76.5	180.4	0.0
	MHDT	15	3894	330	0.21	817.8	117.6	700.2	0.0
	HHDT	15	6493	330	0.21	1363.6	1.1	1273.7	88.8
Travel at Light Logistics	LDA	15	187	175	0.11	20.6	19.3	0.2	1.1
	LDT1	15	14	175	0.11	1.5	1.5	0.0	0.0
	LDT2	15	69	175	0.11	7.6	7.3	0.1	0.3
	MDT	15	17	175	0.11	1.9	1.8	0.1	0.1
	LHDT1	15	10	175	0.11	1.1	0.6	0.6	0.0
	LHDT2	15	5	175	0.11	0.5	0.2	0.4	0.0
	MHDT	15	13	175	0.11	1.4	0.2	1.2	0.0
	HHDT	15	21	175	0.11	2.3	0.0	2.2	0.2
Travel at Utility	LDA	15	212	100	0.06	12.7	11.9	0.1	0.6
	LDT1	15	16	100	0.06	0.9	0.9	0.0	0.0
	LDT2	15	78	100	0.06	4.7	4.5	0.0	0.2
	MDT	15	45	100	0.06	2.7	2.5	0.1	0.1
	LHDT1	15	7	100	0.06	0.4	0.2	0.2	0.0
	LHDT2	15	3	100	0.06	0.2	0.1	0.1	0.0
	MHDT	15	13	100	0.06	0.8	0.1	0.7	0.0
	HHDT	15	22	100	0.06	1.3	0.0	1.2	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	137	50	0.03	4.1	0.6	3.5	0.0
	HHDT	15	229	50	0.03	6.9	0.0	6.4	0.4
Travel at Convenience Store	LDA	15	646	50	0.03	19.4	18.2	0.2	1.0
	LDT1	15	48	50	0.03	1.4	1.4	0.0	0.0
	LDT2	15	239	50	0.03	7.2	6.8	0.1	0.3
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	92	50	0.03	2.7	2.6	0.0	0.1
	LDT1	15	7	50	0.03	0.2	0.2	0.0	0.0
	LDT2	15	34	50	0.03	1.0	1.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5177.7	395.5	1947.5	570.6	263.3	76.7	118.5	1.1
Diesel	60.7	0.1	18.8	19.0	272.4	180.9	705.6	1283.5
Electric/Natural Gas (HHDT Only)	282.2	11.8	72.1	23.0	0.0	0.0	0.0	89.5

World Logistics Center
Mobile Emissions - 2034 (Net) - Mitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	1272	625	647	0	3126.0	3233.3	0.0
	LHDT2	5	611	182	429	0	910.3	2147.1	0.0
	MHDT	5	1947	280	1667	0	1399.8	8335.7	0.0
	HHDT	5	3247	3	3033	211	12.6	15163.4	1057.4
Travel at Light Logistics	LHDT1	5	5	3	3	0	12.5	13.0	0.0
	LHDT2	5	2	1	2	0	3.7	8.6	0.0
	MHDT	5	6	1	5	0	4.5	27.0	0.0
	HHDT	5	11	0	10	1	0.0	49.0	3.4
Travel at Utility	LHDT1	5	3	2	2	0	8.5	8.7	0.0
	LHDT2	5	2	0	1	0	2.5	5.8	0.0
	MHDT	5	7	1	6	0	4.7	28.1	0.0
	HHDT	5	11	0	10	1	0.0	51.1	3.6
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	69	10	59	0	49.4	293.9	0.0
	HHDT	5	114	0	107	7	0.4	534.6	37.3
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	52.4	15.3	24.3	0.3
Diesel	54.2	36.0	144.7	263.3
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	18.4

World Logistics Center
Mobile Emissions - 2034 (Net) - Mitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					13.1765	13.3669	27.1682	10.5807
10 mph	0.0125	0.0251	0.0230	0.0263	0.0264	0.0220	0.0557	1.3339
15 mph	0.0083	0.0169	0.0155	0.0176	0.0175	0.0146	0.0371	0.8863
20 mph	0.0058	0.0120	0.0109	0.0124	0.0125	0.0103	0.0261	0.6216
25 mph	0.0043	0.0089	0.0081	0.0092	0.0093	0.0076	0.0192	0.4595
30 mph	0.0033	0.0070	0.0063	0.0072	0.0073	0.0059	0.0149	0.3582
35 mph	0.0027	0.0058	0.0051	0.0059	0.0060	0.0049	0.0122	0.2948
40 mph	0.0024	0.0050	0.0044	0.0051	0.0053	0.0043	0.0106	0.2563
45 mph	0.0022	0.0046	0.0041	0.0047	0.0049	0.0039	0.0097	0.2349
50 mph	0.0021	0.0044	0.0039	0.0045	0.0048	0.0038	0.0094	0.2269
55 mph	0.0021	0.0045	0.0039	0.0046	0.0049	0.0038	0.0095	0.2307
60 mph	0.0022	0.0047	0.0041	0.0048	0.0052	0.0041	0.0102	0.2466
65 mph	0.0025	0.0051	0.0046	0.0053	0.0059	0.0046		
70 mph	0.0027	0.0059	0.0047	0.0058	0.0065	0.0047		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5053	2.3680
10 mph	0.0721	0.2326	0.1969	0.0811	0.5574	0.5598	0.0330	0.0811
15 mph	0.0355	0.1281	0.0962	0.0397	0.2765	0.2781	0.0183	0.0445
20 mph	0.0141	0.0661	0.0375	0.0156	0.1131	0.1143	0.0124	0.0281
25 mph	0.0086	0.0459	0.0225	0.0095	0.0699	0.0708	0.0098	0.0229
30 mph	0.0065	0.0364	0.0170	0.0072	0.0537	0.0544	0.0079	0.0185
35 mph	0.0052	0.0302	0.0135	0.0058	0.0437	0.0442	0.0065	0.0152
40 mph	0.0043	0.0264	0.0112	0.0048	0.0368	0.0373	0.0056	0.0131
45 mph	0.0037	0.0242	0.0095	0.0041	0.0320	0.0324	0.0051	0.0121
50 mph	0.0032	0.0229	0.0082	0.0035	0.0287	0.0291	0.0052	0.0121
55 mph	0.0029	0.0229	0.0072	0.0031	0.0261	0.0265	0.0057	0.0134
60 mph	0.0028	0.0242	0.0068	0.0030	0.0255	0.0260	0.0067	0.0187
65 mph	0.0028	0.0263	0.0068	0.0030	0.0272	0.0278		
70 mph	0.0029	0.0258	0.0068	0.0032	0.0378	0.0373		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0444
10 mph								0.3251
15 mph								0.2097
20 mph								0.1389
25 mph								0.1023
30 mph								0.0773
35 mph								0.0587
40 mph								0.0448
45 mph								0.0346
50 mph								0.0273
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.2132	0.0328	0.1484	0.0571	0.0251	0.0061	0.0273	0.0059	0.5160
15 mph	0.0568	0.0088	0.0399	0.0153	0.0067	0.0016	0.0061	0.0013	0.1365
20 mph	0.0798	0.0126	0.0563	0.0216	0.0095	0.0023	0.0085	0.0018	0.1924
25 mph	0.2938	0.0468	0.2080	0.0801	0.0353	0.0085	0.0346	0.0074	0.7144
30 mph	0.2507	0.0403	0.1776	0.0687	0.0305	0.0072	0.0244	0.0053	0.6047
35 mph	0.1677	0.0271	0.1185	0.0461	0.0207	0.0049	0.0090	0.0020	0.3960
40 mph	0.0485	0.0079	0.0343	0.0134	0.0061	0.0014	0.0087	0.0019	0.1221
45 mph	0.0372	0.0060	0.0262	0.0102	0.0047	0.0011	0.0063	0.0014	0.0931
50 mph	0.0358	0.0058	0.0251	0.0098	0.0045	0.0010	0.0099	0.0022	0.0943
55 mph	0.0291	0.0047	0.0203	0.0080	0.0037	0.0009	0.0023	0.0005	0.0695
60 mph	0.0614	0.0097	0.0427	0.0167	0.0079	0.0018	0.0025	0.0005	0.1433
65 mph	0.0085	0.0013	0.0059	0.0023	0.0011	0.0003	-	-	0.0195
70 mph	-	-	-	-	-	-	-	-	-
total	1.2826	0.2037	0.9033	0.3494	0.1557	0.0371	0.1397	0.0302	3.1017

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0176	0.0027	0.0123	0.0099	0.0054	0.0013	-	-	0.0492
15 mph	0.0118	0.0018	0.0082	0.0066	0.0036	0.0009	-	-	0.0329
20 mph	0.0082	0.0013	0.0058	0.0047	0.0025	0.0006	0.0154	0.0033	0.0419
25 mph	0.0121	0.0019	0.0086	0.0069	0.0038	0.0009	0.0198	0.0043	0.0584
30 mph	0.0189	0.0030	0.0134	0.0108	0.0059	0.0014	0.0264	0.0057	0.0854
35 mph	0.0347	0.0056	0.0245	0.0199	0.0111	0.0026	0.0216	0.0047	0.1247
40 mph	0.0334	0.0054	0.0236	0.0192	0.0108	0.0025	0.0172	0.0037	0.1160
45 mph	0.0246	0.0040	0.0173	0.0141	0.0080	0.0019	0.0114	0.0025	0.0838
50 mph	0.0267	0.0043	0.0187	0.0153	0.0087	0.0020	0.0055	0.0012	0.0825
55 mph	0.0150	0.0024	0.0105	0.0086	0.0050	0.0011	0.0028	0.0006	0.0461
60 mph	0.0095	0.0015	0.0066	0.0054	0.0032	0.0007	0.2107	0.0458	0.2835
65 mph	0.0035	0.0006	0.0024	0.0020	0.0012	0.0003	-	-	0.0100
70 mph	0.1781	0.0293	0.1163	0.1009	0.0609	0.0130	-	-	0.4985
total	0.3942	0.0639	0.2684	0.2243	0.1302	0.0293	0.3309	0.0719	1.5129

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.5239	0.4502	1.4561	0.0069	3.4370
15 mph	0.0947	0.0147	0.0664	0.0221	0.0102	0.0025	0.0097	0.0021	0.2224
25 mph	-	-	-	-	0.0102	0.0024	0.0220	0.0047	0.0394
35 mph	0.1336	0.0216	0.0944	0.0293	-	-	-	-	0.2790
total	0.2283	0.0363	0.1609	0.0515	1.5442	0.4551	1.4878	0.0137	3.9777

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.5239	0.4502	1.4561	0.0069	3.4370
10 mph	0.2309	0.0355	0.1606	0.0670	0.0305	0.0074	0.0273	0.0059	0.5651
15 mph	0.1633	0.0254	0.1145	0.0440	0.0204	0.0050	0.0158	0.0034	0.3917
20 mph	0.0880	0.0139	0.0621	0.0263	0.0121	0.0029	0.0239	0.0051	0.2343
25 mph	0.3059	0.0487	0.2166	0.0870	0.0493	0.0118	0.0764	0.0165	0.8122
30 mph	0.2696	0.0433	0.1910	0.0795	0.0364	0.0087	0.0507	0.0110	0.6901
35 mph	0.3359	0.0543	0.2375	0.0954	0.0318	0.0075	0.0306	0.0067	0.7996
40 mph	0.0819	0.0133	0.0579	0.0326	0.0169	0.0040	0.0259	0.0056	0.2381
45 mph	0.0617	0.0100	0.0436	0.0243	0.0127	0.0030	0.0178	0.0039	0.1769
50 mph	0.0625	0.0101	0.0439	0.0251	0.0133	0.0031	0.0155	0.0034	0.1768
55 mph	0.0441	0.0071	0.0309	0.0166	0.0087	0.0020	0.0052	0.0011	0.1156
60 mph	0.0709	0.0112	0.0494	0.0221	0.0111	0.0026	0.2132	0.0464	0.4269
65 mph	0.0121	0.0019	0.0083	0.0043	0.0023	0.0005	-	-	0.0295
70 mph	0.1781	0.0293	0.1163	0.1009	0.0609	0.0130	-	-	0.4985
total	1.9050	0.3039	1.3325	0.6252	1.8301	0.5215	1.9583	0.1158	8.5923

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0145	0.0000	0.0122	0.0059	0.5493	0.3664	0.0963	0.4307	1.4752
15 mph	0.0028	0.0000	0.0024	0.0011	0.1090	0.0728	0.0178	0.0789	0.2849
20 mph	0.0023	0.0000	0.0019	0.0009	0.0891	0.0598	0.0242	0.0997	0.2779
25 mph	0.0069	0.0000	0.0056	0.0027	0.2756	0.1854	0.1047	0.4453	1.0261
30 mph	0.0058	0.0000	0.0047	0.0023	0.2329	0.1568	0.0770	0.3273	0.8067
35 mph	0.0038	0.0000	0.0030	0.0015	0.1549	0.1042	0.0285	0.1214	0.4173
40 mph	0.0010	0.0000	0.0008	0.0004	0.0435	0.0293	0.0272	0.1161	0.2184
45 mph	0.0007	0.0000	0.0006	0.0003	0.0315	0.0212	0.0200	0.0856	0.1601
50 mph	0.0007	0.0000	0.0005	0.0003	0.0283	0.0191	0.0327	0.1393	0.2208
55 mph	0.0005	0.0000	0.0004	0.0002	0.0205	0.0139	0.0083	0.0357	0.0795
60 mph	0.0009	0.0000	0.0007	0.0003	0.0402	0.0272	0.0097	0.0497	0.1287
65 mph	0.0001	0.0000	0.0001	0.0000	0.0054	0.0036	-	-	0.0092
70 mph	-	-	-	-	-	-	-	-	-
total	0.0399	0.0002	0.0328	0.0160	1.5801	1.0596	0.4466	1.9296	5.1049

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0012	0.0000	0.0010	0.0010	0.1178	0.0786	-	-	0.1996
15 mph	0.0006	0.0000	0.0005	0.0005	0.0584	0.0390	-	-	0.0990
20 mph	0.0002	0.0000	0.0002	0.0002	0.0239	0.0160	0.0437	0.1796	0.2639
25 mph	0.0003	0.0000	0.0002	0.0002	0.0295	0.0199	0.0600	0.2554	0.3656
30 mph	0.0004	0.0000	0.0003	0.0004	0.0454	0.0306	0.0833	0.3540	0.5144
35 mph	0.0008	0.0000	0.0006	0.0006	0.0830	0.0558	0.0686	0.2918	0.5013
40 mph	0.0007	0.0000	0.0006	0.0006	0.0778	0.0523	0.0540	0.2302	0.4162
45 mph	0.0005	0.0000	0.0004	0.0004	0.0541	0.0364	0.0361	0.1544	0.2823
50 mph	0.0005	0.0000	0.0004	0.0004	0.0546	0.0368	0.0182	0.0773	0.1881
55 mph	0.0002	0.0000	0.0002	0.0002	0.0275	0.0186	0.0100	0.0429	0.0997
60 mph	0.0001	0.0000	0.0001	0.0001	0.0162	0.0109	0.8173	4.1820	5.0268
65 mph	0.0000	0.0000	0.0000	0.0000	0.0057	0.0039	-	-	0.0098
70 mph	0.0022	0.0000	0.0016	0.0019	0.3676	0.2411	-	-	0.6144
total	0.0079	0.0000	0.0062	0.0065	0.9616	0.6400	1.1912	5.7676	8.5810

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3796	0.2521	0.1613	1.3748	2.1677
15 mph	0.0047	0.0000	0.0040	0.0017	0.1660	0.1109	0.0285	0.1261	0.4419
25 mph	-	-	-	-	0.0797	0.0537	0.0665	0.2830	0.4830
35 mph	0.0030	0.0000	0.0024	0.0010	-	-	-	-	0.0064
total	0.0077	0.0000	0.0064	0.0026	0.6253	0.4166	0.2563	1.7839	3.0990

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3796	0.2521	0.1613	1.3748	2.1677
10 mph	0.0157	0.0000	0.0132	0.0069	0.6670	0.4449	0.0963	0.4307	1.6748
15 mph	0.0082	0.0000	0.0069	0.0033	0.3334	0.2228	0.0463	0.2049	0.8258
20 mph	0.0025	0.0000	0.0021	0.0011	0.1130	0.0758	0.0679	0.2793	0.5418
25 mph	0.0072	0.0000	0.0058	0.0030	0.3848	0.2589	0.2313	0.9837	1.8747
30 mph	0.0062	0.0000	0.0050	0.0026	0.2783	0.1873	0.1602	0.6814	1.3211
35 mph	0.0075	0.0000	0.0061	0.0031	0.2379	0.1600	0.0971	0.4131	0.9250
40 mph	0.0018	0.0000	0.0014	0.0010	0.1213	0.0816	0.0812	0.3463	0.6346
45 mph	0.0012	0.0000	0.0010	0.0007	0.0856	0.0576	0.0562	0.2400	0.4424
50 mph	0.0011	0.0000	0.0009	0.0007	0.0829	0.0559	0.0509	0.2166	0.4089
55 mph	0.0007	0.0000	0.0005	0.0004	0.0481	0.0325	0.0183	0.0786	0.1791
60 mph	0.0010	0.0000	0.0008	0.0005	0.0563	0.0382	0.8270	4.2317	5.1555
65 mph	0.0002	0.0000	0.0001	0.0001	0.0111	0.0075	-	-	0.0190
70 mph	0.0022	0.0000	0.0016	0.0019	0.3676	0.2411	-	-	0.6144
total	0.0555	0.0003	0.0454	0.0251	3.1670	2.1162	1.8941	9.4812	16.7849

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1204	0.1204
15 mph								0.0259	0.0259
20 mph								0.0343	0.0343
25 mph								0.1390	0.1390
30 mph								0.0955	0.0955
35 mph								0.0326	0.0326
40 mph								0.0277	0.0277
45 mph								0.0171	0.0171
50 mph								0.0219	0.0219
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.5144	0.5144

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0619	0.0619
25 mph								0.0797	0.0797
30 mph								0.1033	0.1033
35 mph								0.0784	0.0784
40 mph								0.0549	0.0549
45 mph								0.0308	0.0308
50 mph								0.0121	0.0121
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.3233	0.3233

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0018	0.0018
15 mph								0.0414	0.0414
25 mph								0.0884	0.0884
35 mph								-	-
total	-	-	-	-	-	-	-	0.1316	0.1316

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0018	0.0018
10 mph								0.1204	0.1204
15 mph								0.0673	0.0673
20 mph								0.0962	0.0962
25 mph								0.3072	0.3072
30 mph								0.1988	0.1988
35 mph								0.1110	0.1110
40 mph								0.0825	0.0825
45 mph								0.0479	0.0479
50 mph								0.0340	0.0340
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.0671	1.0671

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3087	1.0419	0.5487	0.5967	1.0163	0.9567	0.5607	1.5219
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS + HOTSOAK Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.9210	0.7531	1.9531	3.1541	1.7106	0.4689	0.4694	0.0115
Electric/NG	-	-	-	-	-	-	-	-
Total	**2.9210**	**0.7531**	**1.9531**	**3.1541**	**1.7106**	**0.4689**	**0.4694**	**0.0115**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2534	0.4590	0.4619	0.6330	0.0577	0.0556	0.0493	0.0469
Electric/NG	0.0316	0.0314	0.0315	0.0315	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.1990	0.1659	0.8222	1.6729	0.0486	0.0136	0.0206	0.0002
Electric/NG	0.0082	0.0003	0.0021	0.0034	-	-	-	-
Total	1.2072	0.1662	0.8243	1.6763	0.0486	0.0136	0.0206	0.0002

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0977	0.1255	0.1402	0.1592	0.0586	0.0578	0.1549	0.0013
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.9243	0.0907	0.4989	0.8414	0.0986	0.0283	0.1297	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.9243	0.0907	0.4989	0.8414	0.0986	0.0283	0.1297	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.9034	0.7022	1.6174	1.3835	5.6065
10 mph	0.2466	0.0355	0.1739	0.0739	0.6975	0.4523	0.1236	0.5570	2.3604
15 mph	0.1715	0.0254	0.1214	0.0473	0.3538	0.2277	0.0621	0.2756	1.2849
20 mph	0.0905	0.0139	0.0642	0.0274	0.1251	0.0787	0.0919	0.3806	0.8723
25 mph	0.3131	0.0488	0.2224	0.0900	0.4341	0.2707	0.3077	1.3073	2.9941
30 mph	0.2758	0.0433	0.1960	0.0821	0.3147	0.1960	0.2110	0.8912	2.2100
35 mph	0.3435	0.0543	0.2436	0.0985	0.2697	0.1675	0.1277	0.5307	1.8356
40 mph	0.0837	0.0133	0.0593	0.0336	0.1382	0.0856	0.1071	0.4344	0.9552
45 mph	0.0630	0.0100	0.0445	0.0250	0.0983	0.0606	0.0739	0.2918	0.6672
50 mph	0.0636	0.0101	0.0447	0.0258	0.0961	0.0589	0.0664	0.2540	0.6197
55 mph	0.0449	0.0071	0.0314	0.0169	0.0567	0.0345	0.0234	0.0798	0.2947
60 mph	0.0719	0.0113	0.0501	0.0226	0.0674	0.0407	1.0403	4.2781	5.5824
65 mph	0.0122	0.0019	0.0084	0.0044	0.0134	0.0081	-	-	0.0485
70 mph	0.1803	0.0293	0.1179	0.1027	0.4285	0.2541	-	-	1.1129
RUNLOSS HO	2.9210	0.7531	1.9531	3.1541	1.7106	0.4689	0.4694	0.0115	11.4418
RESTLOSS DIL	1.2072	0.1662	0.8243	1.6763	0.0486	0.0136	0.0206	0.0002	3.9569
STREX	0.9243	0.0907	0.4989	0.8414	0.0986	0.0283	0.1297	0.0000	2.6120
total	7.0130	1.3142	4.6542	6.3221	6.8550	3.1486	4.4720	10.6758	**44.4550**

World Logistics Center
Mobile Emissions - 2034 (Net) - Mitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.1480	1.1642	2.4115	27.0317
10 mph	0.0295	0.0485	0.0460	0.0518	0.0885	0.0950	0.1826	4.7137
15 mph	0.0259	0.0422	0.0402	0.0450	0.0771	0.0827	0.1616	4.1604
20 mph	0.0232	0.0376	0.0359	0.0402	0.0702	0.0750	0.1453	3.7410
25 mph	0.0212	0.0341	0.0324	0.0364	0.0640	0.0682	0.1323	3.4170
30 mph	0.0196	0.0315	0.0298	0.0336	0.0598	0.0635	0.1222	3.1739
35 mph	0.0185	0.0296	0.0279	0.0316	0.0569	0.0602	0.1147	2.9927
40 mph	0.0177	0.0283	0.0266	0.0302	0.0547	0.0577	0.1096	2.8614
45 mph	0.0171	0.0275	0.0258	0.0293	0.0533	0.0559	0.1060	2.7775
50 mph	0.0169	0.0273	0.0255	0.0291	0.0530	0.0552	0.1046	2.7457
55 mph	0.0171	0.0280	0.0260	0.0297	0.0538	0.0559	0.1058	2.7723
60 mph	0.0178	0.0294	0.0273	0.0312	0.0557	0.0580	0.1093	2.8612
65 mph	0.0186	0.0311	0.0286	0.0329	0.0586	0.0608		
70 mph	0.0196	0.0339	0.0288	0.0349	0.0654	0.0627		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					33.4650	34.1042	29.2513	27.9994
10 mph	0.0472	0.2664	0.1259	0.0520	0.4036	0.4243	5.2828	10.7369
15 mph	0.0326	0.2404	0.0844	0.0354	0.3149	0.3370	3.6985	7.4272
20 mph	0.0225	0.2229	0.0558	0.0241	0.2838	0.3042	2.9338	5.2959
25 mph	0.0178	0.2143	0.0425	0.0189	0.2648	0.2855	2.2853	4.3373
30 mph	0.0154	0.2088	0.0356	0.0163	0.2693	0.2893	1.7055	3.2361
35 mph	0.0138	0.2019	0.0309	0.0147	0.2850	0.3026	1.2421	2.3570
40 mph	0.0127	0.2042	0.0276	0.0135	0.2976	0.3143	0.8947	1.7043
45 mph	0.0120	0.2100	0.0250	0.0126	0.3088	0.3255	0.6650	1.2715
50 mph	0.0114	0.2118	0.0231	0.0120	0.3247	0.3420	0.5541	1.0508
55 mph	0.0110	0.2209	0.0216	0.0115	0.3208	0.3410	0.5614	1.0884
60 mph	0.0109	0.2302	0.0210	0.0113	0.3277	0.3472	0.6869	1.3128
65 mph	0.0110	0.2238	0.0211	0.0116	0.3651	0.3853		
70 mph	0.0118	0.1617	0.0216	0.0135	0.7353	0.7159		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								30.1738
10 mph								1.9974
15 mph								1.4566
20 mph								1.1110
25 mph								0.9154
30 mph								0.7986
35 mph								0.7174
40 mph								0.6582
45 mph								0.6143
50 mph								0.5818
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.5046	0.0635	0.2960	0.1125	0.0843	0.0264	0.0896	0.0208	1.1977
15 mph	0.1772	0.0221	0.1035	0.0391	0.0294	0.0092	0.0264	0.0061	0.4130
20 mph	0.3184	0.0394	0.1849	0.0699	0.0535	0.0166	0.0475	0.0110	0.7412
25 mph	1.4501	0.1783	0.8355	0.3165	0.2439	0.0756	0.2380	0.0554	3.3932
30 mph	1.4792	0.1811	0.8459	0.3216	0.2508	0.0776	0.1998	0.0468	3.4028
35 mph	1.1399	0.1393	0.6467	0.2473	0.1953	0.0602	0.0844	0.0198	2.5328
40 mph	0.3629	0.0444	0.2056	0.0788	0.0625	0.0192	0.0896	0.0211	0.8841
45 mph	0.2929	0.0359	0.1663	0.0637	0.0508	0.0155	0.0693	0.0164	0.7107
50 mph	0.2895	0.0358	0.1644	0.0633	0.0505	0.0153	0.1112	0.0263	0.7562
55 mph	0.2344	0.0293	0.1343	0.0517	0.0410	0.0124	0.0259	0.0061	0.5351
60 mph	0.4876	0.0616	0.2818	0.1084	0.0848	0.0258	0.0268	0.0063	1.0832
65 mph	0.0638	0.0081	0.0369	0.0143	0.0112	0.0034	-	-	0.1376
70 mph	-	-	-	-	-	-	-	-	-
total	6.8005	0.8386	3.9016	1.4871	1.1580	0.3571	1.0085	0.2362	15.7877

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0417	0.0052	0.0245	0.0194	0.0181	0.0057	-	-	0.1146
15 mph	0.0366	0.0046	0.0214	0.0169	0.0158	0.0049	-	-	0.1002
20 mph	0.0329	0.0041	0.0191	0.0151	0.0143	0.0045	0.0857	0.0199	0.1955
25 mph	0.0600	0.0074	0.0345	0.0273	0.0261	0.0081	0.1365	0.0318	0.3318
30 mph	0.1112	0.0136	0.0636	0.0505	0.0489	0.0151	0.2162	0.0506	0.5697
35 mph	0.2357	0.0288	0.1337	0.1068	0.1047	0.0323	0.2028	0.0477	0.8924
40 mph	0.2501	0.0306	0.1417	0.1134	0.1117	0.0343	0.1776	0.0418	0.9013
45 mph	0.1938	0.0238	0.1100	0.0881	0.0871	0.0266	0.1250	0.0295	0.6838
50 mph	0.2155	0.0266	0.1224	0.0983	0.0974	0.0296	0.0617	0.0146	0.6661
55 mph	0.1212	0.0151	0.0694	0.0558	0.0550	0.0166	0.0312	0.0074	0.3716
60 mph	0.0756	0.0095	0.0437	0.0351	0.0341	0.0104	2.2549	0.5320	2.9954
65 mph	0.0264	0.0034	0.0152	0.0124	0.0120	0.0036	-	-	0.0729
70 mph	1.2745	0.1689	0.7055	0.6027	0.6146	0.1715	-	-	3.5378
total	2.6753	0.3416	1.5048	1.2418	1.2398	0.3631	3.2915	0.7753	11.4332

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1328	0.0392	0.1292	0.0175	0.3187
15 mph	0.2953	0.0368	0.1725	0.0566	0.0448	0.0140	0.0422	0.0098	0.6720
25 mph	-	-	-	-	0.0706	0.0219	0.1513	0.0352	0.2790
35 mph	0.9081	0.1110	0.5152	0.1573	-	-	-	-	1.6915
total	1.2034	0.1478	0.6877	0.2139	0.2481	0.0751	0.3228	0.0625	2.9612

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1328	0.0392	0.1292	0.0175	0.3187
10 mph	0.5463	0.0687	0.3205	0.1319	0.1024	0.0320	0.0896	0.0208	1.3123
15 mph	0.5091	0.0634	0.2973	0.1127	0.0900	0.0281	0.0686	0.0159	1.1851
20 mph	0.3513	0.0435	0.2040	0.0850	0.0678	0.0211	0.1332	0.0309	0.9368
25 mph	1.5101	0.1856	0.8700	0.3439	0.3406	0.1056	0.5258	0.1224	4.0039
30 mph	1.5905	0.1947	0.9095	0.3721	0.2997	0.0927	0.4160	0.0974	3.9725
35 mph	2.2837	0.2790	1.2956	0.5113	0.3000	0.0924	0.2871	0.0675	5.1167
40 mph	0.6131	0.0750	0.3473	0.1921	0.1743	0.0535	0.2672	0.0629	1.7854
45 mph	0.4866	0.0597	0.2762	0.1518	0.1379	0.0421	0.1943	0.0459	1.3945
50 mph	0.5050	0.0624	0.2867	0.1616	0.1479	0.0449	0.1729	0.0409	1.4223
55 mph	0.3556	0.0444	0.2036	0.1075	0.0960	0.0290	0.0571	0.0135	0.9067
60 mph	0.5632	0.0711	0.3255	0.1436	0.1190	0.0361	2.2817	0.5384	4.0786
65 mph	0.0901	0.0115	0.0521	0.0267	0.0231	0.0070	-	-	0.2105
70 mph	1.2745	0.1689	0.7055	0.6027	0.6146	0.1715	-	-	3.5378
total	10.6792	1.3279	6.0941	2.9428	2.6460	0.7953	4.6228	1.0740	30.1820

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0095	0.0001	0.0078	0.0038	0.3977	0.2776	15.4304	57.0488	73.1756
15 mph	0.0026	0.0000	0.0021	0.0010	0.1241	0.0882	3.6010	13.1544	16.9734
20 mph	0.0036	0.0000	0.0028	0.0014	0.2237	0.1593	5.7128	18.7593	24.8629
25 mph	0.0143	0.0002	0.0106	0.0055	1.0436	0.7473	24.4755	84.5002	110.7972
30 mph	0.0136	0.0002	0.0097	0.0052	1.1674	0.8328	16.6048	57.3157	75.9496
35 mph	0.0100	0.0001	0.0069	0.0038	1.0110	0.7128	5.4418	18.7849	25.9713
40 mph	0.0031	0.0000	0.0021	0.0012	0.3519	0.2468	4.3556	15.0929	20.0535
45 mph	0.0024	0.0000	0.0016	0.0009	0.3043	0.2130	2.5898	9.0076	12.1196
50 mph	0.0023	0.0000	0.0014	0.0009	0.3200	0.2238	3.5065	12.0970	16.1520
55 mph	0.0018	0.0000	0.0011	0.0007	0.2529	0.1785	0.8198	2.8914	4.1462
60 mph	0.0035	0.0001	0.0021	0.0013	0.5166	0.3636	1.0031	3.4878	5.3781
65 mph	0.0004	0.0000	0.0003	0.0002	0.0720	0.0504	-	-	0.1233
70 mph	-	-	-	-	-	-	-	-	-
total	0.0671	0.0008	0.0483	0.0257	5.7853	4.0941	83.5413	292.1400	385.7027

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0008	0.0000	0.0006	0.0006	0.0853	0.0595	-	-	0.1469
15 mph	0.0005	0.0000	0.0004	0.0004	0.0665	0.0473	-	-	0.1153
20 mph	0.0004	0.0000	0.0003	0.0003	0.0600	0.0427	10.2988	33.8184	44.2208
25 mph	0.0006	0.0000	0.0004	0.0005	0.1119	0.0801	14.0393	48.4696	62.7024
30 mph	0.0010	0.0000	0.0007	0.0008	0.2276	0.1624	17.9607	61.9957	80.3489
35 mph	0.0021	0.0000	0.0014	0.0017	0.5420	0.3821	13.0804	45.1528	59.1624
40 mph	0.0021	0.0000	0.0014	0.0017	0.6288	0.4410	8.6374	29.9296	39.6420
45 mph	0.0016	0.0000	0.0010	0.0013	0.5221	0.3654	4.6687	16.2385	21.7986
50 mph	0.0017	0.0000	0.0011	0.0013	0.6175	0.4319	1.9451	6.7101	9.7088
55 mph	0.0009	0.0000	0.0006	0.0007	0.3390	0.2393	0.9853	3.4750	5.0407
60 mph	0.0005	0.0000	0.0003	0.0004	0.2077	0.1462	84.3904	293.4206	378.1663
65 mph	0.0002	0.0000	0.0001	0.0001	0.0772	0.0541	-	-	0.1317
70 mph	0.0090	0.0001	0.0051	0.0078	7.1469	4.6209	-	-	11.7898
total	0.0214	0.0003	0.0136	0.0177	10.6324	7.0728	156.0060	539.2103	712.9744

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	4.0031	2.7091	9.3359	16.2560	32.3041
15 mph	0.0044	0.0000	0.0035	0.0015	0.1891	0.1344	5.7542	21.0202	27.1074
25 mph	-	-	-	-	0.3020	0.2163	15.5590	53.7163	69.7935
35 mph	0.0079	0.0001	0.0055	0.0024	-	-	-	-	0.0160
total	0.0123	0.0001	0.0090	0.0039	4.4942	3.0597	30.6491	90.9925	129.2209

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	4.0031	2.7091	9.3359	16.2560	32.3041
10 mph	0.0103	0.0001	0.0085	0.0044	0.4830	0.3372	15.4304	57.0488	73.3225
15 mph	0.0075	0.0001	0.0060	0.0029	0.3798	0.2699	9.3552	34.1746	44.1960
20 mph	0.0040	0.0000	0.0031	0.0017	0.2837	0.2020	16.0116	52.5776	69.0837
25 mph	0.0149	0.0002	0.0110	0.0059	1.4575	1.0437	54.0738	186.6861	243.2931
30 mph	0.0146	0.0002	0.0104	0.0060	1.3950	0.9952	34.5655	119.3114	156.2984
35 mph	0.0200	0.0003	0.0138	0.0079	1.5529	1.0949	18.5222	63.9378	85.1497
40 mph	0.0052	0.0001	0.0035	0.0029	0.9807	0.6878	12.9930	45.0224	59.6955
45 mph	0.0040	0.0001	0.0026	0.0022	0.8264	0.5784	7.2585	25.2460	33.9182
50 mph	0.0040	0.0001	0.0025	0.0022	0.9375	0.6557	5.4516	18.8072	25.8608
55 mph	0.0027	0.0001	0.0016	0.0014	0.5919	0.4178	1.8052	6.3664	9.1870
60 mph	0.0040	0.0001	0.0024	0.0017	0.7244	0.5097	85.3936	296.9084	383.5443
65 mph	0.0006	0.0000	0.0004	0.0003	0.1491	0.1045	-	-	0.2549
70 mph	0.0090	0.0001	0.0051	0.0078	7.1469	4.6209	-	-	11.7898
total	0.1008	0.0013	0.0709	0.0473	20.9119	14.2266	270.1964	922.3428	1,227.8980

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.7401	0.7401
15 mph								0.1799	0.1799
20 mph								0.2744	0.2744
25 mph								1.2436	1.2436
30 mph								0.9864	0.9864
35 mph								0.3987	0.3987
40 mph								0.4065	0.4065
45 mph								0.3035	0.3035
50 mph								0.4671	0.4671
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.0001	5.0001

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.4947	0.4947
25 mph								0.7133	0.7133
30 mph								1.0669	1.0669
35 mph								0.9584	0.9584
40 mph								0.8060	0.8060
45 mph								0.5471	0.5471
50 mph								0.2591	0.2591
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.2333	3.2333

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.2216	1.2216
15 mph								0.2875	0.2875
25 mph								0.7906	0.7906
35 mph								-	-
total	-	-	-	-	-	-	-	2.2997	2.2997

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.2216	1.2216
10 mph								0.7401	0.7401
15 mph								0.4674	0.4674
20 mph								0.7692	0.7692
25 mph								2.7475	2.7475
30 mph								2.0532	2.0532
35 mph								1.3571	1.3571
40 mph								1.2125	1.2125
45 mph								0.8506	0.8506
50 mph								0.7262	0.7262
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	12.1453	12.1453

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	4.1359	2.7483	9.4651	17.4951	33.8445
10 mph	0.5566	0.0688	0.3290	0.1363	0.5854	0.3692	15.5200	57.8097	75.3749
15 mph	0.5166	0.0635	0.3034	0.1156	0.4698	0.2980	9.4238	34.6579	45.8486
20 mph	0.3553	0.0435	0.2071	0.0867	0.3515	0.2231	16.1448	53.3777	70.7896
25 mph	1.5250	0.1858	0.8810	0.3498	1.7981	1.1493	54.5995	189.5560	250.0445
30 mph	1.6051	0.1949	0.9199	0.3781	1.6948	1.0879	34.9815	121.4620	162.3242
35 mph	2.3037	0.2793	1.3094	0.5192	1.8529	1.1873	18.8094	65.3624	91.6235
40 mph	0.6183	0.0750	0.3508	0.1950	1.1550	0.7413	13.2602	46.2978	62.6934
45 mph	0.4906	0.0598	0.2788	0.1540	0.9643	0.6206	7.4528	26.1425	36.1633
50 mph	0.5090	0.0624	0.2892	0.1638	1.0854	0.7005	5.6245	19.5742	28.0092
55 mph	0.3583	0.0444	0.2053	0.1089	0.6878	0.4468	1.8623	6.3799	10.0937
60 mph	0.5673	0.0712	0.3280	0.1453	0.8433	0.5459	87.6753	297.4468	387.6229
65 mph	0.0907	0.0115	0.0525	0.0270	0.1723	0.1115	-	-	0.4655
70 mph	1.2835	0.1690	0.7106	0.6105	7.7615	4.7924	-	-	15.3276
STREX	1.1295	0.1013	0.5089	0.8435	0.5691	0.1719	11.0339	22.2872	36.6452
total	11.9094	1.4306	6.6738	3.8337	24.1271	15.1938	285.8531	957.8492	**1,306.8706**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1193	0.1402	0.1430	0.1596	0.3381	0.3506	0.3238	0.0407
Diesel	-	-	-	-	-	-	2.1591	2.4578
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.1295	0.1013	0.5089	0.8435	0.5691	0.1719	0.2710	0.0003
Diesel	-	-	-	-	-	-	10.7628	22.2869
Electric/NG	-	-	-	-	-	-	-	-
Total	1.1295	0.1013	0.5089	0.8435	0.5691	0.1719	11.0339	22.2872

World Logistics Center
Mobile Emissions - 2034 (Net) - Mitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					154.9910	155.1146	387.9369	272.3349
10 mph	0.7116	0.9051	0.9120	0.9421	0.3478	0.2801	0.5074	49.5460
15 mph	0.6486	0.8204	0.8300	0.8558	0.3045	0.2519	0.4638	45.2094
20 mph	0.5940	0.7486	0.7588	0.7825	0.2747	0.2291	0.4245	41.3475
25 mph	0.5450	0.6843	0.6945	0.7165	0.2474	0.2084	0.3878	37.9260
30 mph	0.5016	0.6279	0.6375	0.6587	0.2257	0.1906	0.3544	34.8691
35 mph	0.4633	0.5788	0.5871	0.6079	0.2084	0.1756	0.3253	32.1665
40 mph	0.4296	0.5367	0.5442	0.5637	0.1943	0.1630	0.3019	29.8167
45 mph	0.4008	0.5010	0.5076	0.5258	0.1826	0.1520	0.2799	27.7101
50 mph	0.3736	0.4681	0.4730	0.4906	0.1731	0.1420	0.2607	25.8058
55 mph	0.3475	0.4363	0.4402	0.4569	0.1661	0.1338	0.2443	24.0700
60 mph	0.3179	0.4010	0.4036	0.4191	0.1605	0.1264	0.2289	22.4536
65 mph	0.2946	0.3738	0.3742	0.3894	0.1604	0.1214		
70 mph	0.2889	0.3762	0.3624	0.3836	0.1618	0.1115		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	21.3923	34.9657
10 mph	2.0544	2.1321	1.9853	2.2881	2.4705	2.4988	0.4912	1.3522
15 mph	1.0030	1.1331	0.9693	1.1176	1.2256	1.2406	0.2658	0.7244
20 mph	0.3919	0.5441	0.3773	0.4357	0.5051	0.5127	0.1776	0.4499
25 mph	0.2363	0.3700	0.2266	0.2625	0.3147	0.3201	0.1357	0.3554
30 mph	0.1790	0.2947	0.1712	0.1989	0.2443	0.2485	0.1041	0.2727
35 mph	0.1429	0.2464	0.1362	0.1588	0.2016	0.2048	0.0785	0.2057
40 mph	0.1182	0.2198	0.1124	0.1312	0.1731	0.1758	0.0589	0.1546
45 mph	0.1004	0.2068	0.0952	0.1114	0.1541	0.1566	0.0451	0.1189
50 mph	0.0874	0.2021	0.0824	0.0968	0.1430	0.1454	0.0374	0.0981
55 mph	0.0773	0.2114	0.0725	0.0854	0.1348	0.1376	0.0357	0.0947
60 mph	0.0735	0.2367	0.0685	0.0809	0.1385	0.1414	0.0398	0.1050
65 mph	0.0743	0.2705	0.0687	0.0818	0.1590	0.1623		
70 mph	0.0768	0.2466	0.0690	0.0852	0.2636	0.2575		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								34.2159
10 mph								35.9638
15 mph								25.3254
20 mph								18.3190
25 mph								13.4263
30 mph								9.8962
35 mph								7.2948
40 mph								5.3778
45 mph								3.9652
50 mph								2.9244
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	12.1873	1.1840	5.8754	2.0470	0.3314	0.0777	0.2489	0.2190	22.1706
15 mph	4.4435	0.4293	2.1389	0.7438	0.1160	0.0280	0.0758	0.0666	8.0420
20 mph	8.1395	0.7834	3.9107	1.3601	0.2093	0.0509	0.1388	0.1219	14.7145
25 mph	37.3362	3.5805	17.8955	6.2271	0.9429	0.2313	0.6975	0.6147	67.5259
30 mph	37.8037	3.6144	18.0706	6.2968	0.9461	0.2327	0.5794	0.5138	68.0574
35 mph	28.5694	2.7257	13.6157	4.7545	0.7148	0.1754	0.2393	0.2133	51.0081
40 mph	8.8293	0.8426	4.2071	1.4696	0.2221	0.0543	0.2468	0.2197	16.0915
45 mph	6.8642	0.6553	3.2701	1.1425	0.1739	0.0422	0.1830	0.1633	12.4947
50 mph	6.3990	0.6124	3.0470	1.0658	0.1649	0.0394	0.2771	0.2472	11.8527
55 mph	4.7610	0.4566	2.2685	0.7942	0.1266	0.0297	0.0599	0.0532	8.5498
60 mph	8.7119	0.8393	4.1605	1.4569	0.2447	0.0561	0.0561	0.0496	15.5752
65 mph	1.0090	0.0978	0.4822	0.1692	0.0306	0.0067	-	-	1.7955
70 mph	-	-	-	-	-	-	-	-	-
total	165.0541	15.8214	78.9422	27.5274	4.2233	1.0243	2.8028	2.4823	297.8777

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	1.0080	0.0979	0.4859	0.3536	0.0711	0.0167	-	-	2.0331
15 mph	0.9188	0.0888	0.4423	0.3212	0.0622	0.0150	-	-	1.8482
20 mph	0.8415	0.0810	0.4043	0.2937	0.0561	0.0136	0.2503	0.2197	2.1601
25 mph	1.5440	0.1481	0.7400	0.5378	0.1011	0.0248	0.4001	0.3526	3.8485
30 mph	2.8423	0.2718	1.3587	0.9888	0.1844	0.0454	0.6267	0.5558	6.8738
35 mph	5.9071	0.5636	2.8152	2.0531	0.3832	0.0940	0.5753	0.5127	12.9042
40 mph	6.0853	0.5807	2.8996	2.1154	0.3969	0.0970	0.4894	0.4356	13.0999
45 mph	4.5417	0.4336	2.1637	1.5787	0.2984	0.0723	0.3300	0.2944	9.7128
50 mph	4.7631	0.4558	2.2680	1.6569	0.3182	0.0760	0.1537	0.1371	9.8289
55 mph	2.4610	0.2360	1.1726	0.8574	0.1697	0.0398	0.0720	0.0639	5.0725
60 mph	1.3510	0.1302	0.6452	0.4718	0.0984	0.0226	4.7227	4.1752	11.6171
65 mph	0.4172	0.0404	0.1994	0.1461	0.0328	0.0072	-	-	0.8432
70 mph	18.8252	1.8721	8.8816	6.6227	1.5207	0.3051	-	-	38.0273
total	51.5061	4.9999	24.4764	17.9972	3.6931	0.8295	7.6202	6.7471	117.8695

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	17.9250	5.2240	20.7914	0.1764	44.1168
15 mph	7.4049	0.7154	3.5644	1.0768	0.1768	0.0426	0.1212	0.1065	13.2085
25 mph	-	-	-	-	0.2729	0.0669	0.4434	0.3908	1.1740
35 mph	22.7606	2.1715	10.8473	3.0239	-	-	-	-	38.8034
total	30.1655	2.8869	14.4117	4.1007	18.3746	5.3335	21.3560	0.6737	97.3027

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	17.9250	5.2240	20.7914	0.1764	44.1168
10 mph	13.1952	1.2820	6.3613	2.4005	0.4024	0.0944	0.2489	0.2190	24.2037
15 mph	12.7671	1.2335	6.1456	2.1418	0.3551	0.0855	0.1970	0.1731	23.0987
20 mph	8.9810	0.8644	4.3150	1.6537	0.2655	0.0645	0.3891	0.3415	16.8746
25 mph	38.8802	3.7286	18.6356	6.7650	1.3168	0.3230	1.5410	1.3581	72.5483
30 mph	40.6460	3.8861	19.4293	7.2855	1.1305	0.2781	1.2061	1.0696	74.9312
35 mph	57.2371	5.4608	27.2783	9.8315	1.0979	0.2694	0.8147	0.7260	102.7157
40 mph	14.9146	1.4233	7.1067	3.5849	0.6190	0.1513	0.7362	0.6553	29.1913
45 mph	11.4059	1.0889	5.4338	2.7212	0.4724	0.1145	0.5130	0.4578	22.2075
50 mph	11.1621	1.0682	5.3150	2.7227	0.4831	0.1154	0.4308	0.3843	21.6816
55 mph	7.2221	0.6927	3.4411	1.6517	0.2963	0.0695	0.1319	0.1171	13.6223
60 mph	10.0629	0.9695	4.8057	1.9287	0.3431	0.0787	4.7789	4.2249	27.1923
65 mph	1.4262	0.1382	0.6816	0.3154	0.0633	0.0140	-	-	2.6387
70 mph	18.8252	1.8721	8.8816	6.6227	1.5207	0.3051	-	-	38.0273
total	246.7256	23.7082	117.8304	49.6253	26.2909	7.1874	31.7789	9.9031	513.0499

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.4125	0.0004	0.1233	0.1653	2.4345	1.6351	1.4346	7.1846	13.3904
15 mph	0.0806	0.0001	0.0241	0.0323	0.4831	0.3247	0.2588	1.2830	2.4867
20 mph	0.0630	0.0001	0.0187	0.0252	0.3982	0.2684	0.3459	1.5937	2.7132
25 mph	0.1898	0.0003	0.0563	0.0758	1.2406	0.8378	1.4537	6.9239	10.7782
30 mph	0.1582	0.0003	0.0468	0.0632	1.0594	0.7156	1.0140	4.8294	7.8868
35 mph	0.1033	0.0002	0.0304	0.0413	0.7151	0.4826	0.3441	1.6391	3.3561
40 mph	0.0285	0.0001	0.0084	0.0114	0.2047	0.1381	0.2865	1.3688	2.0463
45 mph	0.0202	0.0000	0.0059	0.0080	0.1519	0.1025	0.1758	0.8421	1.3065
50 mph	0.0176	0.0000	0.0051	0.0070	0.1409	0.0952	0.2368	1.1295	1.6320
55 mph	0.0124	0.0000	0.0036	0.0049	0.1062	0.0720	0.0521	0.2515	0.5028
60 mph	0.0236	0.0001	0.0068	0.0093	0.2184	0.1480	0.0582	0.2790	0.7434
65 mph	0.0030	0.0000	0.0009	0.0012	0.0313	0.0212	-	-	0.0576
70 mph	-	-	-	-	-	-	-	-	-
total	1.1126	0.0016	0.3302	0.4449	7.1842	4.8413	5.6605	27.3248	46.9000

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0341	0.0000	0.0102	0.0285	0.5220	0.3506	-	-	0.9456
15 mph	0.0167	0.0000	0.0050	0.0139	0.2590	0.1741	-	-	0.4687
20 mph	0.0065	0.0000	0.0019	0.0054	0.1067	0.0719	0.6235	2.8731	3.6892
25 mph	0.0078	0.0000	0.0023	0.0065	0.1330	0.0898	0.8338	3.9716	5.0450
30 mph	0.0119	0.0000	0.0035	0.0099	0.2065	0.1395	1.0968	5.2237	6.6919
35 mph	0.0214	0.0000	0.0063	0.0178	0.3834	0.2587	0.8271	3.9400	5.4546
40 mph	0.0196	0.0000	0.0058	0.0164	0.3657	0.2467	0.5682	2.7144	3.9368
45 mph	0.0133	0.0000	0.0039	0.0111	0.2605	0.1758	0.3169	1.5182	2.2998
50 mph	0.0131	0.0000	0.0038	0.0109	0.2719	0.1836	0.1313	0.6265	1.2412
55 mph	0.0064	0.0000	0.0019	0.0053	0.1424	0.0965	0.0626	0.3023	0.6174
60 mph	0.0037	0.0000	0.0011	0.0030	0.0878	0.0595	4.8959	23.4703	28.5213
65 mph	0.0012	0.0000	0.0004	0.0010	0.0336	0.0228	-	-	0.0590
70 mph	0.0587	0.0002	0.0163	0.0489	2.5626	1.6623	-	-	4.3490
total	0.2144	0.0004	0.0623	0.1788	5.3351	3.5319	9.3562	44.6401	63.3194

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.1460	2.0892	6.8276	20.3005	32.3633
15 mph	0.1343	0.0001	0.0401	0.0467	0.7361	0.4948	0.4136	2.0503	3.9160
25 mph	-	-	-	-	0.3590	0.2425	0.9241	4.4015	5.9270
35 mph	0.0823	0.0001	0.0243	0.0263	-	-	-	-	0.1330
total	0.2166	0.0003	0.0644	0.0730	4.2411	2.8264	8.1653	26.7522	42.3393

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.1460	2.0892	6.8276	20.3005	32.3633
10 mph	0.4467	0.0005	0.1335	0.1938	2.9565	1.9858	1.4346	7.1846	14.3359
15 mph	0.2315	0.0003	0.0692	0.0930	1.4782	0.9936	0.6724	3.3333	6.8715
20 mph	0.0695	0.0001	0.0207	0.0306	0.5049	0.3403	0.9694	4.4669	6.4024
25 mph	0.1976	0.0003	0.0586	0.0824	1.7326	1.1701	3.2116	15.2969	21.7502
30 mph	0.1701	0.0003	0.0503	0.0731	1.2659	0.8551	2.1109	10.0530	14.5787
35 mph	0.2070	0.0004	0.0610	0.0854	1.0985	0.7413	1.1711	5.5791	8.9437
40 mph	0.0481	0.0001	0.0141	0.0277	0.5704	0.3848	0.8547	4.0832	5.9831
45 mph	0.0335	0.0001	0.0098	0.0192	0.4124	0.2783	0.4927	2.3603	3.6063
50 mph	0.0306	0.0001	0.0089	0.0179	0.4128	0.2788	0.3681	1.7560	2.8732
55 mph	0.0188	0.0001	0.0055	0.0103	0.2486	0.1685	0.1146	0.5538	1.1202
60 mph	0.0273	0.0001	0.0079	0.0124	0.3062	0.2075	4.9541	23.7493	29.2647
65 mph	0.0042	0.0000	0.0012	0.0022	0.0649	0.0440	-	-	0.1166
70 mph	0.0587	0.0002	0.0163	0.0489	2.5626	1.6623	-	-	4.3490
total	1.5435	0.0023	0.4569	0.6968	16.7605	11.1996	23.1820	98.7171	152.5587

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								13.3255	13.3255
15 mph								3.1279	3.1279
20 mph								4.5251	4.5251
25 mph								18.2409	18.2409
30 mph								12.2226	12.2226
35 mph								4.0543	4.0543
40 mph								3.3210	3.3210
45 mph								1.9589	1.9589
50 mph								2.3477	2.3477
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	63.1240	63.1240

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								8.1576	8.1576
25 mph								10.4630	10.4630
30 mph								13.2206	13.2206
35 mph								9.7453	9.7453
40 mph								6.5856	6.5856
45 mph								3.5315	3.5315
50 mph								1.3023	1.3023
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	41.5866	41.5866

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.3853	1.3853
15 mph								4.9983	4.9983
25 mph								11.5956	11.5956
35 mph								-	-
total	-	-	-	-	-	-	-	17.9792	17.9792

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.3853	1.3853
10 mph								13.3255	13.3255
15 mph								8.1262	8.1262
20 mph								12.6827	12.6827
25 mph								40.2995	40.2995
30 mph								25.4433	25.4433
35 mph								13.7997	13.7997
40 mph								9.9066	9.9066
45 mph								5.4904	5.4904
50 mph								3.6500	3.6500
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	134.1092	134.1092

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	21.0710	7.3132	27.6190	21.8622	77.8654
10 mph	13.6419	1.2824	6.4947	2.5943	3.3590	2.0802	1.6835	20.7291	51.8651
15 mph	12.9986	1.2338	6.2148	2.2347	1.8333	1.0792	0.8694	11.6326	38.0963
20 mph	9.0504	0.8645	4.3357	1.6843	0.7704	0.4048	1.3585	17.4911	35.9597
25 mph	39.0778	3.7289	18.6942	6.8473	3.0495	1.4932	4.7526	56.9546	134.5980
30 mph	40.8161	3.8864	19.4796	7.3587	2.3964	1.1332	3.3169	36.5659	114.9532
35 mph	57.4441	5.4612	27.3393	9.9169	2.1964	1.0106	1.9858	20.1048	125.4590
40 mph	14.9627	1.4234	7.1208	3.6127	1.1893	0.5360	1.5909	14.6452	45.0811
45 mph	11.4394	1.0890	5.4436	2.7404	0.8847	0.3928	1.0057	8.3085	31.3042
50 mph	11.1927	1.0682	5.3239	2.7406	0.8958	0.3942	0.7989	5.7903	28.2048
55 mph	7.2409	0.6927	3.4465	1.6619	0.5449	0.2380	0.2466	0.6710	14.7425
60 mph	10.0902	0.9696	4.8136	1.9411	0.6493	0.2862	9.7330	27.9742	56.4570
65 mph	1.4305	0.1383	0.6828	0.3176	0.1282	0.0580	-	-	2.7553
70 mph	18.8838	1.8723	8.8979	6.6716	4.0833	1.9674	-	-	42.3763
STREX	14.5741	1.1714	7.1306	11.0876	2.4132	0.6833	2.5659	0.0364	39.6626
total	262.8432	24.8819	125.4180	61.4098	45.4646	19.0702	57.5267	242.7659	**839.3803**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.5400	1.6205	2.0032	2.0976	1.4337	1.3940	3.0653	4.8264
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	14.5741	1.1714	7.1306	11.0876	2.4132	0.6833	2.5659	0.0364
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	14.5741	1.1714	7.1306	11.0876	2.4132	0.6833	2.5659	0.0364

World Logistics Center
Mobile Emissions - 2034 (Net) - Mitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0499	0.0499	0.1256	0.1910
10 mph	0.0040	0.0046	0.0046	0.0057	0.0130	0.0150	0.0266	0.0311
15 mph	0.0032	0.0038	0.0038	0.0047	0.0106	0.0122	0.0218	0.0255
20 mph	0.0027	0.0032	0.0032	0.0039	0.0088	0.0102	0.0181	0.0212
25 mph	0.0023	0.0027	0.0027	0.0033	0.0076	0.0087	0.0155	0.0182
30 mph	0.0020	0.0024	0.0024	0.0029	0.0067	0.0077	0.0138	0.0162
35 mph	0.0019	0.0022	0.0022	0.0027	0.0062	0.0072	0.0128	0.0150
40 mph	0.0018	0.0022	0.0022	0.0026	0.0060	0.0069	0.0124	0.0145
45 mph	0.0018	0.0022	0.0022	0.0027	0.0060	0.0070	0.0124	0.0145
50 mph	0.0019	0.0022	0.0022	0.0027	0.0062	0.0072	0.0128	0.0149
55 mph	0.0020	0.0023	0.0023	0.0028	0.0065	0.0075	0.0133	0.0154
60 mph	0.0020	0.0024	0.0024	0.0029	0.0067	0.0078	0.0138	0.0160
65 mph	0.0021	0.0024	0.0025	0.0030	0.0069	0.0080		
70 mph	0.0021	0.0025	0.0025	0.0031	0.0070	0.0081		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0310	0.0502	0.0520	0.0458
10 mph	0.0032	0.0066	0.0043	0.0054	0.0080	0.0090	0.0156	0.0233
15 mph	0.0027	0.0055	0.0036	0.0045	0.0052	0.0060	0.0122	0.0176
20 mph	0.0022	0.0045	0.0029	0.0038	0.0045	0.0051	0.0105	0.0151
25 mph	0.0018	0.0038	0.0025	0.0032	0.0040	0.0045	0.0091	0.0125
30 mph	0.0016	0.0032	0.0021	0.0028	0.0036	0.0041	0.0080	0.0110
35 mph	0.0014	0.0029	0.0019	0.0025	0.0036	0.0041	0.0072	0.0100
40 mph	0.0013	0.0027	0.0018	0.0023	0.0035	0.0040	0.0066	0.0091
45 mph	0.0013	0.0026	0.0017	0.0023	0.0034	0.0038	0.0062	0.0087
50 mph	0.0013	0.0026	0.0017	0.0023	0.0036	0.0040	0.0061	0.0085
55 mph	0.0014	0.0027	0.0018	0.0024	0.0038	0.0041	0.0063	0.0088
60 mph	0.0015	0.0030	0.0020	0.0026	0.0038	0.0041	0.0067	0.0093
65 mph	0.0017	0.0033	0.0022	0.0029	0.0038	0.0041		
70 mph	0.0018	0.0034	0.0024	0.0032	0.0039	0.0042		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0677	0.0061	0.0299	0.0124	0.0124	0.0042	0.0131	0.0001	0.1459
15 mph	0.0221	0.0020	0.0098	0.0041	0.0041	0.0014	0.0036	0.0000	0.0470
20 mph	0.0368	0.0033	0.0163	0.0067	0.0067	0.0023	0.0059	0.0001	0.0782
25 mph	0.1575	0.0141	0.0696	0.0288	0.0288	0.0097	0.0279	0.0003	0.3367
30 mph	0.1537	0.0138	0.0680	0.0282	0.0281	0.0094	0.0225	0.0002	0.3240
35 mph	0.1166	0.0105	0.0516	0.0214	0.0213	0.0072	0.0094	0.0001	0.2381
40 mph	0.0377	0.0034	0.0167	0.0069	0.0069	0.0023	0.0101	0.0001	0.0840
45 mph	0.0316	0.0028	0.0140	0.0058	0.0058	0.0019	0.0081	0.0001	0.0700
50 mph	0.0325	0.0029	0.0144	0.0060	0.0059	0.0020	0.0136	0.0001	0.0774
55 mph	0.0270	0.0024	0.0119	0.0050	0.0049	0.0017	0.0033	0.0000	0.0562
60 mph	0.0556	0.0050	0.0246	0.0102	0.0103	0.0034	0.0034	0.0000	0.1126
65 mph	0.0071	0.0006	0.0032	0.0013	0.0013	0.0004	-	-	0.0140
70 mph	-	-	-	-	-	-	-	-	-
total	0.7460	0.0670	0.3299	0.1367	0.1365	0.0458	0.1207	0.0013	1.5839

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0056	0.0005	0.0025	0.0021	0.0027	0.0009	-	-	0.0143
15 mph	0.0046	0.0004	0.0020	0.0017	0.0022	0.0007	-	-	0.0117
20 mph	0.0038	0.0003	0.0017	0.0015	0.0018	0.0006	0.0107	0.0001	0.0205
25 mph	0.0065	0.0006	0.0029	0.0025	0.0031	0.0010	0.0160	0.0002	0.0327
30 mph	0.0116	0.0010	0.0051	0.0044	0.0055	0.0018	0.0243	0.0003	0.0540
35 mph	0.0241	0.0022	0.0107	0.0092	0.0114	0.0038	0.0226	0.0002	0.0843
40 mph	0.0260	0.0023	0.0115	0.0099	0.0123	0.0041	0.0200	0.0002	0.0864
45 mph	0.0209	0.0019	0.0092	0.0080	0.0099	0.0033	0.0146	0.0002	0.0680
50 mph	0.0242	0.0022	0.0107	0.0093	0.0114	0.0038	0.0075	0.0001	0.0692
55 mph	0.0140	0.0013	0.0062	0.0053	0.0066	0.0022	0.0039	0.0000	0.0395
60 mph	0.0086	0.0008	0.0038	0.0033	0.0041	0.0014	0.2847	0.0030	0.3097
65 mph	0.0029	0.0003	0.0013	0.0011	0.0014	0.0005	-	-	0.0075
70 mph	0.1374	0.0123	0.0608	0.0532	0.0660	0.0221	-	-	0.3519
total	0.2902	0.0261	0.1283	0.1117	0.1384	0.0464	0.4044	0.0042	1.1497

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0058	0.0017	0.0067	0.0001	0.0143
15 mph	0.0369	0.0033	0.0163	0.0059	0.0062	0.0021	0.0057	0.0001	0.0764
25 mph	-	-	-	-	0.0083	0.0028	0.0177	0.0002	0.0290
35 mph	0.0929	0.0083	0.0411	0.0136	-	-	-	-	0.1560
total	0.1298	0.0117	0.0574	0.0195	0.0203	0.0065	0.0301	0.0004	0.2757

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0058	0.0017	0.0067	0.0001	0.0143
10 mph	0.0733	0.0066	0.0324	0.0145	0.0151	0.0051	0.0131	0.0001	0.1602
15 mph	0.0636	0.0057	0.0281	0.0117	0.0124	0.0042	0.0093	0.0001	0.1351
20 mph	0.0406	0.0036	0.0180	0.0082	0.0085	0.0029	0.0166	0.0002	0.0986
25 mph	0.1640	0.0147	0.0725	0.0313	0.0402	0.0135	0.0616	0.0007	0.3984
30 mph	0.1653	0.0148	0.0731	0.0326	0.0336	0.0113	0.0468	0.0005	0.3780
35 mph	0.2337	0.0210	0.1034	0.0442	0.0328	0.0110	0.0320	0.0003	0.4783
40 mph	0.0636	0.0057	0.0281	0.0168	0.0192	0.0064	0.0301	0.0003	0.1704
45 mph	0.0525	0.0047	0.0232	0.0138	0.0156	0.0052	0.0227	0.0002	0.1380
50 mph	0.0567	0.0051	0.0251	0.0152	0.0174	0.0058	0.0211	0.0002	0.1466
55 mph	0.0410	0.0037	0.0181	0.0103	0.0115	0.0039	0.0072	0.0001	0.0957
60 mph	0.0642	0.0058	0.0284	0.0135	0.0144	0.0048	0.2881	0.0030	0.4223
65 mph	0.0101	0.0009	0.0045	0.0024	0.0027	0.0009	-	-	0.0216
70 mph	0.1374	0.0123	0.0608	0.0532	0.0660	0.0221	-	-	0.3519
total	1.1660	0.1047	0.5157	0.2678	0.2952	0.0987	0.5552	0.0059	3.0093

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0003	0.0004	0.0079	0.0059	0.0455	0.1239	0.1845
15 mph	0.0002	0.0000	0.0001	0.0001	0.0021	0.0016	0.0119	0.0312	0.0472
20 mph	0.0003	0.0000	0.0001	0.0002	0.0035	0.0027	0.0204	0.0533	0.0806
25 mph	0.0015	0.0000	0.0006	0.0009	0.0156	0.0119	0.0977	0.2445	0.3727
30 mph	0.0014	0.0000	0.0006	0.0009	0.0156	0.0118	0.0780	0.1951	0.3034
35 mph	0.0010	0.0000	0.0004	0.0007	0.0128	0.0097	0.0314	0.0794	0.1354
40 mph	0.0003	0.0000	0.0001	0.0002	0.0042	0.0031	0.0319	0.0808	0.1207
45 mph	0.0003	0.0000	0.0001	0.0002	0.0034	0.0025	0.0242	0.0613	0.0919
50 mph	0.0003	0.0000	0.0001	0.0002	0.0035	0.0026	0.0389	0.0973	0.1429
55 mph	0.0002	0.0000	0.0001	0.0001	0.0030	0.0021	0.0092	0.0233	0.0381
60 mph	0.0005	0.0000	0.0002	0.0003	0.0060	0.0043	0.0099	0.0247	0.0458
65 mph	0.0001	0.0000	0.0000	0.0000	0.0008	0.0005	-	-	0.0014
70 mph	-	-	-	-	-	-	-	-	-
total	0.0067	0.0000	0.0028	0.0042	0.0783	0.0587	0.3990	1.0148	1.5645

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0001	0.0017	0.0013	-	-	0.0031
15 mph	0.0000	0.0000	0.0000	0.0001	0.0011	0.0008	-	-	0.0021
20 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0007	0.0367	0.0961	0.1346
25 mph	0.0001	0.0000	0.0000	0.0001	0.0017	0.0013	0.0561	0.1402	0.1994
30 mph	0.0001	0.0000	0.0000	0.0001	0.0030	0.0023	0.0844	0.2110	0.3011
35 mph	0.0002	0.0000	0.0001	0.0003	0.0069	0.0052	0.0754	0.1909	0.2789
40 mph	0.0002	0.0000	0.0001	0.0003	0.0074	0.0056	0.0634	0.1602	0.2372
45 mph	0.0002	0.0000	0.0001	0.0002	0.0058	0.0043	0.0437	0.1105	0.1647
50 mph	0.0002	0.0000	0.0001	0.0003	0.0068	0.0050	0.0216	0.0540	0.0879
55 mph	0.0001	0.0000	0.0000	0.0001	0.0040	0.0029	0.0111	0.0280	0.0462
60 mph	0.0001	0.0000	0.0000	0.0001	0.0024	0.0017	0.8292	2.0789	2.9124
65 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	-	-	0.0015
70 mph	0.0014	0.0000	0.0006	0.0018	0.0378	0.0270	-	-	0.0686
total	0.0027	0.0000	0.0011	0.0035	0.0804	0.0586	1.2214	3.0699	4.4376

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0037	0.0040	0.0166	0.0266	0.0509
15 mph	0.0004	0.0000	0.0001	0.0002	0.0031	0.0024	0.0190	0.0499	0.0751
25 mph	-	-	-	-	0.0045	0.0034	0.0621	0.1554	0.2255
35 mph	0.0008	0.0000	0.0003	0.0004	-	-	-	-	0.0016
total	0.0012	0.0000	0.0005	0.0006	0.0114	0.0098	0.0978	0.2319	0.3531

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0037	0.0040	0.0166	0.0266	0.0509
10 mph	0.0007	0.0000	0.0003	0.0005	0.0096	0.0072	0.0455	0.1239	0.1876
15 mph	0.0006	0.0000	0.0003	0.0004	0.0063	0.0048	0.0310	0.0811	0.1244
20 mph	0.0004	0.0000	0.0002	0.0003	0.0045	0.0034	0.0571	0.1495	0.2152
25 mph	0.0015	0.0000	0.0006	0.0010	0.0218	0.0166	0.2159	0.5401	0.7976
30 mph	0.0015	0.0000	0.0006	0.0010	0.0187	0.0141	0.1624	0.4061	0.6045
35 mph	0.0021	0.0000	0.0009	0.0013	0.0197	0.0149	0.1068	0.2703	0.4159
40 mph	0.0005	0.0000	0.0002	0.0005	0.0116	0.0087	0.0953	0.2410	0.3578
45 mph	0.0004	0.0000	0.0002	0.0004	0.0092	0.0068	0.0679	0.1718	0.2567
50 mph	0.0005	0.0000	0.0002	0.0004	0.0104	0.0076	0.0604	0.1513	0.2308
55 mph	0.0003	0.0000	0.0001	0.0003	0.0069	0.0050	0.0203	0.0513	0.0843
60 mph	0.0005	0.0000	0.0002	0.0004	0.0084	0.0060	0.8390	2.1036	2.9582
65 mph	0.0001	0.0000	0.0000	0.0001	0.0016	0.0011	-	-	0.0029
70 mph	0.0014	0.0000	0.0006	0.0018	0.0378	0.0270	-	-	0.0686
total	0.0106	0.0000	0.0044	0.0083	0.1701	0.1271	1.7182	4.3166	6.3552

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
15 mph								-	-
25 mph								-	-
35 mph								-	-
total	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0095	0.0057	0.0233	0.0267	0.0652
10 mph	0.0740	0.0066	0.0327	0.0150	0.0247	0.0122	0.0585	0.1240	0.3477
15 mph	0.0642	0.0057	0.0284	0.0120	0.0187	0.0089	0.0402	0.0812	0.2595
20 mph	0.0410	0.0037	0.0181	0.0085	0.0130	0.0063	0.0737	0.1496	0.3138
25 mph	0.1655	0.0147	0.0731	0.0323	0.0620	0.0301	0.2775	0.5407	1.1960
30 mph	0.1668	0.0148	0.0737	0.0336	0.0523	0.0254	0.2093	0.4066	0.9825
35 mph	0.2358	0.0210	0.1042	0.0456	0.0524	0.0259	0.1387	0.2706	0.8942
40 mph	0.0642	0.0057	0.0284	0.0173	0.0308	0.0151	0.1254	0.2413	0.5282
45 mph	0.0529	0.0047	0.0234	0.0142	0.0248	0.0120	0.0906	0.1721	0.3946
50 mph	0.0572	0.0051	0.0252	0.0156	0.0277	0.0134	0.0815	0.1516	0.3773
55 mph	0.0413	0.0037	0.0182	0.0106	0.0185	0.0089	0.0275	0.0514	0.1800
60 mph	0.0648	0.0058	0.0287	0.0139	0.0228	0.0109	1.1271	2.1066	3.3805
65 mph	0.0102	0.0009	0.0045	0.0025	0.0043	0.0020	-	-	0.0244
70 mph	0.1388	0.0124	0.0614	0.0550	0.1038	0.0491	-	-	0.4205
STREX	0.0040	0.0004	0.0018	0.0033	0.0003	0.0001	0.0003	0.0000	0.0100
total	1.1805	0.1051	0.5219	0.2794	0.4656	0.2259	2.2737	4.3224	**9.3745**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0004	0.0005	0.0005	0.0006	0.0002	0.0002	0.0003	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0040	0.0004	0.0018	0.0033	0.0003	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0040	0.0004	0.0018	0.0033	0.0003	0.0001	0.0003	0.0000

World Logistics Center
Mobile Emissions - 2034 (Net) - Mitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0384	0.0370	0.0374	0.0386
10 mph	0.0033	0.0040	0.0036	0.0037	0.0048	0.0047	0.0047	0.0049
15 mph	0.0022	0.0026	0.0024	0.0024	0.0032	0.0031	0.0031	0.0032
20 mph	0.0016	0.0019	0.0017	0.0017	0.0023	0.0022	0.0022	0.0023
25 mph	0.0011	0.0014	0.0012	0.0013	0.0017	0.0016	0.0016	0.0017
30 mph	0.0009	0.0011	0.0010	0.0010	0.0013	0.0012	0.0013	0.0013
35 mph	0.0007	0.0009	0.0008	0.0008	0.0011	0.0010	0.0010	0.0011
40 mph	0.0006	0.0008	0.0007	0.0007	0.0009	0.0009	0.0009	0.0009
45 mph	0.0006	0.0007	0.0006	0.0006	0.0008	0.0008	0.0008	0.0009
50 mph	0.0006	0.0007	0.0006	0.0006	0.0008	0.0008	0.0008	0.0008
55 mph	0.0006	0.0007	0.0006	0.0006	0.0008	0.0008	0.0008	0.0008
60 mph	0.0006	0.0007	0.0007	0.0007	0.0009	0.0009	0.0009	0.0009
65 mph	0.0007	0.0008	0.0007	0.0007	0.0010	0.0010		
70 mph	0.0008	0.0009	0.0008	0.0008	0.0011	0.0011		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7943	0.7970	0.0073	0.0101
10 mph	0.0033	0.0506	0.0088	0.0034	0.0172	0.0289	0.0043	0.0106
15 mph	0.0028	0.0380	0.0076	0.0029	0.0139	0.0242	0.0034	0.0082
20 mph	0.0023	0.0296	0.0065	0.0025	0.0118	0.0204	0.0029	0.0061
25 mph	0.0020	0.0237	0.0056	0.0021	0.0099	0.0173	0.0027	0.0062
30 mph	0.0017	0.0198	0.0049	0.0019	0.0087	0.0153	0.0030	0.0067
35 mph	0.0015	0.0172	0.0044	0.0017	0.0080	0.0139	0.0036	0.0082
40 mph	0.0014	0.0157	0.0041	0.0016	0.0074	0.0128	0.0046	0.0105
45 mph	0.0013	0.0149	0.0038	0.0014	0.0069	0.0119	0.0060	0.0137
50 mph	0.0012	0.0146	0.0035	0.0014	0.0066	0.0113	0.0078	0.0176
55 mph	0.0012	0.0150	0.0033	0.0013	0.0063	0.0107	0.0100	0.0231
60 mph	0.0012	0.0161	0.0033	0.0013	0.0063	0.0106	0.0125	0.0285
65 mph	0.0012	0.0178	0.0033	0.0013	0.0066	0.0109		
70 mph	0.0013	0.0180	0.0033	0.0014	0.0092	0.0130		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0239
10 mph								0.0056
15 mph								0.0047
20 mph								0.0041
25 mph								0.0037
30 mph								0.0034
35 mph								0.0032
40 mph								0.0030
45 mph								0.0029
50 mph								0.0029
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0572	0.0052	0.0229	0.0079	0.0046	0.0013	0.0023	0.0000	0.1014
15 mph	0.0152	0.0014	0.0061	0.0021	0.0012	0.0003	0.0005	0.0000	0.0268
20 mph	0.0212	0.0019	0.0085	0.0030	0.0017	0.0005	0.0007	0.0000	0.0376
25 mph	0.0784	0.0072	0.0315	0.0109	0.0063	0.0018	0.0029	0.0000	0.1391
30 mph	0.0672	0.0061	0.0270	0.0094	0.0054	0.0015	0.0021	0.0000	0.1188
35 mph	0.0452	0.0041	0.0181	0.0063	0.0037	0.0010	0.0008	0.0000	0.0792
40 mph	0.0131	0.0012	0.0052	0.0018	0.0011	0.0003	0.0007	0.0000	0.0234
45 mph	0.0100	0.0009	0.0040	0.0014	0.0008	0.0002	0.0005	0.0000	0.0178
50 mph	0.0096	0.0009	0.0038	0.0013	0.0008	0.0002	0.0008	0.0000	0.0175
55 mph	0.0078	0.0007	0.0031	0.0011	0.0006	0.0002	0.0002	0.0000	0.0138
60 mph	0.0168	0.0015	0.0067	0.0023	0.0014	0.0004	0.0002	0.0000	0.0294
65 mph	0.0024	0.0002	0.0010	0.0003	0.0002	0.0001	-	-	0.0041
70 mph	-	-	-	-	-	-	-	-	-
total	0.3441	0.0313	0.1381	0.0479	0.0278	0.0078	0.0118	0.0001	0.6090

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0047	0.0004	0.0019	0.0014	0.0010	0.0003	-	-	0.0097
15 mph	0.0031	0.0003	0.0013	0.0009	0.0007	0.0002	-	-	0.0064
20 mph	0.0022	0.0002	0.0009	0.0006	0.0005	0.0001	0.0013	0.0000	0.0058
25 mph	0.0032	0.0003	0.0013	0.0009	0.0007	0.0002	0.0017	0.0000	0.0083
30 mph	0.0051	0.0005	0.0020	0.0015	0.0011	0.0003	0.0022	0.0000	0.0126
35 mph	0.0093	0.0009	0.0037	0.0027	0.0020	0.0005	0.0018	0.0000	0.0210
40 mph	0.0090	0.0008	0.0036	0.0026	0.0019	0.0005	0.0015	0.0000	0.0200
45 mph	0.0066	0.0006	0.0026	0.0019	0.0014	0.0004	0.0010	0.0000	0.0145
50 mph	0.0072	0.0007	0.0029	0.0021	0.0015	0.0004	0.0005	0.0000	0.0152
55 mph	0.0041	0.0004	0.0016	0.0012	0.0009	0.0002	0.0002	0.0000	0.0086
60 mph	0.0026	0.0002	0.0010	0.0008	0.0005	0.0002	0.0180	0.0002	0.0235
65 mph	0.0010	0.0001	0.0004	0.0003	0.0002	0.0001	-	-	0.0020
70 mph	0.0499	0.0044	0.0195	0.0143	0.0103	0.0029	-	-	0.1013
total	0.1080	0.0097	0.0428	0.0311	0.0225	0.0063	0.0282	0.0003	0.2490

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0044	0.0012	0.0020	0.0000	0.0077
15 mph	0.0253	0.0023	0.0102	0.0031	0.0019	0.0005	0.0008	0.0000	0.0440
25 mph	-	-	-	-	0.0018	0.0005	0.0019	0.0000	0.0042
35 mph	0.0360	0.0033	0.0144	0.0040	-	-	-	-	0.0577
total	0.0613	0.0056	0.0246	0.0071	0.0081	0.0023	0.0047	0.0000	0.1137

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0044	0.0012	0.0020	0.0000	0.0077
10 mph	0.0619	0.0056	0.0248	0.0093	0.0056	0.0016	0.0023	0.0000	0.1111
15 mph	0.0436	0.0040	0.0175	0.0061	0.0037	0.0011	0.0013	0.0000	0.0772
20 mph	0.0234	0.0021	0.0094	0.0036	0.0022	0.0006	0.0020	0.0000	0.0434
25 mph	0.0817	0.0075	0.0328	0.0119	0.0089	0.0025	0.0065	0.0001	0.1517
30 mph	0.0723	0.0066	0.0290	0.0108	0.0065	0.0018	0.0043	0.0000	0.1314
35 mph	0.0906	0.0083	0.0363	0.0130	0.0056	0.0016	0.0026	0.0000	0.1580
40 mph	0.0221	0.0020	0.0088	0.0044	0.0029	0.0008	0.0022	0.0000	0.0434
45 mph	0.0166	0.0015	0.0066	0.0033	0.0022	0.0006	0.0015	0.0000	0.0323
50 mph	0.0168	0.0015	0.0067	0.0034	0.0023	0.0006	0.0013	0.0000	0.0327
55 mph	0.0119	0.0011	0.0048	0.0023	0.0015	0.0004	0.0004	0.0000	0.0224
60 mph	0.0194	0.0018	0.0078	0.0031	0.0019	0.0005	0.0182	0.0002	0.0529
65 mph	0.0034	0.0003	0.0013	0.0005	0.0004	0.0001	-	-	0.0061
70 mph	0.0499	0.0044	0.0195	0.0143	0.0103	0.0029	-	-	0.1013
total	0.5134	0.0467	0.2055	0.0861	0.0585	0.0164	0.0447	0.0004	0.9716

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0005	0.0002	0.0170	0.0189	0.0125	0.0565	0.1064
15 mph	0.0002	0.0000	0.0002	0.0001	0.0055	0.0063	0.0033	0.0146	0.0302
20 mph	0.0004	0.0000	0.0003	0.0001	0.0093	0.0107	0.0056	0.0214	0.0479
25 mph	0.0016	0.0000	0.0014	0.0006	0.0390	0.0454	0.0294	0.1205	0.2379
30 mph	0.0015	0.0000	0.0013	0.0006	0.0379	0.0441	0.0292	0.1195	0.2342
35 mph	0.0011	0.0000	0.0010	0.0004	0.0283	0.0327	0.0159	0.0651	0.1445
40 mph	0.0003	0.0000	0.0003	0.0001	0.0087	0.0100	0.0226	0.0930	0.1351
45 mph	0.0003	0.0000	0.0002	0.0001	0.0068	0.0078	0.0235	0.0972	0.1359
50 mph	0.0002	0.0000	0.0002	0.0001	0.0065	0.0074	0.0494	0.2028	0.2666
55 mph	0.0002	0.0000	0.0002	0.0001	0.0049	0.0056	0.0145	0.0613	0.0868
60 mph	0.0004	0.0000	0.0003	0.0001	0.0099	0.0111	0.0182	0.0757	0.1157
65 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0014	-	-	0.0028
70 mph	-	-	-	-	-	-	-	-	-
total	0.0069	0.0001	0.0061	0.0027	0.1751	0.2014	0.2240	0.9277	1.5440

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0000	0.0036	0.0041	-	-	0.0078
15 mph	0.0000	0.0000	0.0000	0.0000	0.0029	0.0034	-	-	0.0065
20 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0029	0.0101	0.0386	0.0542
25 mph	0.0001	0.0000	0.0001	0.0001	0.0042	0.0049	0.0169	0.0691	0.0952
30 mph	0.0001	0.0000	0.0001	0.0001	0.0074	0.0086	0.0316	0.1293	0.1771
35 mph	0.0002	0.0000	0.0002	0.0002	0.0152	0.0175	0.0382	0.1566	0.2281
40 mph	0.0002	0.0000	0.0002	0.0002	0.0156	0.0179	0.0448	0.1845	0.2633
45 mph	0.0002	0.0000	0.0002	0.0001	0.0117	0.0134	0.0423	0.1753	0.2431
50 mph	0.0002	0.0000	0.0002	0.0002	0.0125	0.0142	0.0274	0.1125	0.1671
55 mph	0.0001	0.0000	0.0001	0.0001	0.0066	0.0075	0.0175	0.0736	0.1055
60 mph	0.0001	0.0000	0.0001	0.0000	0.0040	0.0044	1.5340	6.3654	7.9080
65 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0015	-	-	0.0030
70 mph	0.0010	0.0000	0.0008	0.0008	0.0897	0.0839	-	-	0.1761
total	0.0023	0.0000	0.0019	0.0019	0.1773	0.1841	1.7626	7.3049	9.4351

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0950	0.0633	0.0023	0.0059	0.1665
15 mph	0.0004	0.0000	0.0003	0.0001	0.0084	0.0096	0.0053	0.0233	0.0474
25 mph	-	-	-	-	0.0113	0.0131	0.0187	0.0766	0.1197
35 mph	0.0009	0.0000	0.0008	0.0003	-	-	-	-	0.0020
total	0.0013	0.0000	0.0011	0.0004	0.1147	0.0861	0.0263	0.1058	0.3356

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0950	0.0633	0.0023	0.0059	0.1665
10 mph	0.0007	0.0000	0.0006	0.0003	0.0206	0.0230	0.0125	0.0565	0.1143
15 mph	0.0006	0.0000	0.0005	0.0002	0.0168	0.0194	0.0086	0.0380	0.0841
20 mph	0.0004	0.0000	0.0004	0.0002	0.0118	0.0136	0.0157	0.0601	0.1020
25 mph	0.0016	0.0000	0.0014	0.0007	0.0545	0.0634	0.0650	0.2663	0.4529
30 mph	0.0016	0.0000	0.0014	0.0007	0.0453	0.0527	0.0607	0.2488	0.4113
35 mph	0.0022	0.0000	0.0020	0.0009	0.0435	0.0502	0.0541	0.2217	0.3746
40 mph	0.0006	0.0000	0.0005	0.0003	0.0243	0.0279	0.0673	0.2775	0.3984
45 mph	0.0004	0.0000	0.0004	0.0002	0.0185	0.0211	0.0658	0.2725	0.3789
50 mph	0.0004	0.0000	0.0004	0.0003	0.0190	0.0216	0.0767	0.3153	0.4337
55 mph	0.0003	0.0000	0.0003	0.0002	0.0116	0.0131	0.0320	0.1349	0.1923
60 mph	0.0004	0.0000	0.0004	0.0002	0.0138	0.0155	1.5522	6.4411	8.0237
65 mph	0.0001	0.0000	0.0001	0.0000	0.0027	0.0030	-	-	0.0058
70 mph	0.0010	0.0000	0.0008	0.0008	0.0897	0.0839	-	-	0.1761
total	0.0105	0.0001	0.0091	0.0050	0.4670	0.4716	2.0130	8.3384	11.3147

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0021	0.0021
15 mph								0.0006	0.0006
20 mph								0.0010	0.0010
25 mph								0.0050	0.0050
30 mph								0.0042	0.0042
35 mph								0.0018	0.0018
40 mph								0.0019	0.0019
45 mph								0.0014	0.0014
50 mph								0.0023	0.0023
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0202	0.0202

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0018	0.0018
25 mph								0.0029	0.0029
30 mph								0.0045	0.0045
35 mph								0.0043	0.0043
40 mph								0.0037	0.0037
45 mph								0.0026	0.0026
50 mph								0.0013	0.0013
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0134	0.0134

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0009	0.0009
25 mph								0.0032	0.0032
35 mph								-	-
total	-	-	-	-	-	-	-	0.0051	0.0051

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0021	0.0021
15 mph								0.0015	0.0015
20 mph								0.0028	0.0028
25 mph								0.0110	0.0110
30 mph								0.0087	0.0087
35 mph								0.0060	0.0060
40 mph								0.0056	0.0056
45 mph								0.0041	0.0041
50 mph								0.0036	0.0036
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0463	0.0463

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0994	0.0646	0.0043	0.0068	0.1752
10 mph	0.0626	0.0056	0.0254	0.0096	0.0262	0.0246	0.0148	0.0586	0.2275
15 mph	0.0442	0.0040	0.0180	0.0063	0.0205	0.0204	0.0099	0.0395	0.1629
20 mph	0.0239	0.0021	0.0098	0.0038	0.0139	0.0142	0.0177	0.0629	0.1483
25 mph	0.0833	0.0075	0.0343	0.0125	0.0633	0.0659	0.0714	0.2773	0.6156
30 mph	0.0739	0.0066	0.0305	0.0115	0.0518	0.0545	0.0650	0.2576	0.5514
35 mph	0.0928	0.0083	0.0383	0.0139	0.0491	0.0518	0.0567	0.2277	0.5386
40 mph	0.0226	0.0020	0.0094	0.0048	0.0272	0.0287	0.0695	0.2831	0.4474
45 mph	0.0170	0.0015	0.0070	0.0036	0.0207	0.0218	0.0673	0.2765	0.4153
50 mph	0.0172	0.0015	0.0071	0.0037	0.0213	0.0222	0.0781	0.3189	0.4700
55 mph	0.0122	0.0011	0.0050	0.0024	0.0131	0.0135	0.0325	0.1349	0.2146
60 mph	0.0199	0.0018	0.0082	0.0033	0.0158	0.0161	1.5705	6.4412	8.0766
65 mph	0.0034	0.0003	0.0014	0.0006	0.0031	0.0031	-	-	0.0119
70 mph	0.0509	0.0045	0.0202	0.0151	0.1000	0.0868	-	-	0.2775
STREX	0.0102	0.0009	0.0040	0.0061	0.0006	0.0002	0.0003	0.0000	0.0221
total	0.5340	0.0477	0.2185	0.0971	0.5261	0.4882	2.0580	8.3852	**12.3548**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0011	0.0012	0.0011	0.0011	0.0003	0.0003	0.0004	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0102	0.0009	0.0040	0.0061	0.0006	0.0002	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0102	0.0009	0.0040	0.0061	0.0006	0.0002	0.0003	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	15.3292	1.1708	5.7658	1.9446	1.6090	0.5392	1.1636	0.0060
Diesel	0.1797	0.0002	0.0556	0.0646	1.7430	1.3242	6.9293	8.5189
Electric/NG	0.8355	0.0349	0.2136	0.0785	-	-	-	0.6036
Total	16.3443	1.2059	6.0349	2.0877	3.3520	1.8634	8.0929	9.1285

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	6.3390	0.4842	2.3843	1.6794	1.7251	0.5781	4.1954	0.0217
Diesel	0.0743	0.0001	0.0230	0.0558	1.8688	1.4198	24.9837	30.7150
Electric/NG	0.3455	0.0144	0.0883	0.0678	-	-	-	2.1762
Total	6.7588	0.4987	2.4956	1.8031	3.5939	1.9979	29.1790	32.9130

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.7091	0.2069	1.0190	0.2789	0.1422	0.0476	0.1999	0.0010
Diesel	0.0318	0.0000	0.0098	0.0093	0.1540	0.1170	1.1905	1.4637
Electric/NG	0.1477	0.0062	0.0377	0.0113	-	-	-	0.1037
Total	2.8886	0.2131	1.0666	0.2995	0.2961	0.1646	1.3905	1.5684

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	24.3773	1.8619	9.1690	3.9029	3.4762	1.1650	5.5589	0.0288	49.5400
Diesel	0.2858	0.0003	0.0884	0.1297	3.7658	2.8610	33.1036	40.6976	80.9322
Electric/NG	1.3286	0.0555	0.3397	0.1576	-	-	-	2.8835	4.7648
Total	25.9917	1.9177	9.5971	4.1902	7.2420	4.0260	38.6624	43.6099	**135.2371**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	129.4299
Internal	91.1111
Total	**220.5409**

World Logistics Center
Mobile Emissions - 2034 (Net) - Mitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0353	0.0340	0.0344	0.0355
10 mph	0.0031	0.0036	0.0033	0.0034	0.0045	0.0043	0.0044	0.0045
15 mph	0.0020	0.0024	0.0022	0.0022	0.0030	0.0029	0.0029	0.0030
20 mph	0.0014	0.0017	0.0015	0.0016	0.0021	0.0020	0.0020	0.0021
25 mph	0.0011	0.0013	0.0011	0.0012	0.0015	0.0015	0.0015	0.0015
30 mph	0.0008	0.0010	0.0009	0.0009	0.0012	0.0011	0.0012	0.0012
35 mph	0.0007	0.0008	0.0007	0.0007	0.0010	0.0009	0.0010	0.0010
40 mph	0.0006	0.0007	0.0006	0.0006	0.0009	0.0008	0.0008	0.0009
45 mph	0.0005	0.0006	0.0006	0.0006	0.0008	0.0007	0.0008	0.0008
50 mph	0.0005	0.0006	0.0005	0.0006	0.0008	0.0007	0.0007	0.0008
55 mph	0.0005	0.0006	0.0006	0.0006	0.0008	0.0007	0.0007	0.0008
60 mph	0.0006	0.0007	0.0006	0.0006	0.0008	0.0008	0.0008	0.0008
65 mph	0.0006	0.0008	0.0007	0.0007	0.0009	0.0009		
70 mph	0.0007	0.0008	0.0007	0.0008	0.0010	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7599	0.7626	0.0070	0.0096
10 mph	0.0032	0.0484	0.0084	0.0033	0.0165	0.0277	0.0041	0.0102
15 mph	0.0027	0.0364	0.0073	0.0028	0.0133	0.0231	0.0032	0.0079
20 mph	0.0022	0.0283	0.0062	0.0024	0.0112	0.0196	0.0028	0.0058
25 mph	0.0019	0.0227	0.0053	0.0020	0.0095	0.0166	0.0026	0.0059
30 mph	0.0016	0.0189	0.0047	0.0018	0.0084	0.0147	0.0029	0.0065
35 mph	0.0015	0.0164	0.0043	0.0016	0.0076	0.0133	0.0035	0.0078
40 mph	0.0013	0.0150	0.0039	0.0015	0.0070	0.0122	0.0044	0.0101
45 mph	0.0013	0.0142	0.0036	0.0014	0.0066	0.0114	0.0058	0.0131
50 mph	0.0012	0.0139	0.0034	0.0013	0.0063	0.0108	0.0075	0.0169
55 mph	0.0011	0.0144	0.0032	0.0012	0.0060	0.0102	0.0095	0.0221
60 mph	0.0011	0.0154	0.0031	0.0012	0.0060	0.0101	0.0119	0.0272
65 mph	0.0012	0.0170	0.0031	0.0013	0.0063	0.0105		
70 mph	0.0012	0.0172	0.0031	0.0014	0.0088	0.0124		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0229
10 mph								0.0053
15 mph								0.0045
20 mph								0.0039
25 mph								0.0035
30 mph								0.0032
35 mph								0.0030
40 mph								0.0029
45 mph								0.0028
50 mph								0.0028
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0526	0.0048	0.0211	0.0073	0.0042	0.0012	0.0021	0.0000	0.0933
15 mph	0.0139	0.0013	0.0056	0.0019	0.0011	0.0003	0.0005	0.0000	0.0247
20 mph	0.0195	0.0018	0.0079	0.0027	0.0016	0.0004	0.0007	0.0000	0.0346
25 mph	0.0721	0.0066	0.0290	0.0100	0.0058	0.0016	0.0027	0.0000	0.1279
30 mph	0.0618	0.0056	0.0248	0.0086	0.0050	0.0014	0.0019	0.0000	0.1092
35 mph	0.0416	0.0038	0.0167	0.0058	0.0034	0.0009	0.0007	0.0000	0.0728
40 mph	0.0120	0.0011	0.0048	0.0017	0.0010	0.0003	0.0007	0.0000	0.0215
45 mph	0.0092	0.0008	0.0037	0.0013	0.0007	0.0002	0.0005	0.0000	0.0164
50 mph	0.0088	0.0008	0.0035	0.0012	0.0007	0.0002	0.0008	0.0000	0.0161
55 mph	0.0072	0.0007	0.0029	0.0010	0.0006	0.0002	0.0002	0.0000	0.0127
60 mph	0.0155	0.0014	0.0062	0.0022	0.0013	0.0004	0.0002	0.0000	0.0270
65 mph	0.0022	0.0002	0.0009	0.0003	0.0002	0.0000	-	-	0.0038
70 mph	-	-	-	-	-	-	-	-	-
total	0.3164	0.0288	0.1270	0.0440	0.0256	0.0072	0.0109	0.0001	0.5600

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0043	0.0004	0.0017	0.0013	0.0009	0.0003	-	-	0.0089
15 mph	0.0029	0.0003	0.0012	0.0008	0.0006	0.0002	-	-	0.0059
20 mph	0.0020	0.0002	0.0008	0.0006	0.0004	0.0001	0.0012	0.0000	0.0053
25 mph	0.0030	0.0003	0.0012	0.0009	0.0006	0.0002	0.0015	0.0000	0.0077
30 mph	0.0046	0.0004	0.0019	0.0014	0.0010	0.0003	0.0021	0.0000	0.0116
35 mph	0.0086	0.0008	0.0034	0.0025	0.0018	0.0005	0.0017	0.0000	0.0193
40 mph	0.0083	0.0008	0.0033	0.0024	0.0017	0.0005	0.0013	0.0000	0.0183
45 mph	0.0061	0.0006	0.0024	0.0018	0.0013	0.0004	0.0009	0.0000	0.0133
50 mph	0.0066	0.0006	0.0026	0.0019	0.0014	0.0004	0.0004	0.0000	0.0139
55 mph	0.0037	0.0003	0.0015	0.0011	0.0008	0.0002	0.0002	0.0000	0.0079
60 mph	0.0024	0.0002	0.0010	0.0007	0.0005	0.0001	0.0166	0.0002	0.0216
65 mph	0.0009	0.0001	0.0004	0.0003	0.0002	0.0001	-	-	0.0019
70 mph	0.0459	0.0041	0.0179	0.0131	0.0095	0.0027	-	-	0.0932
total	0.0993	0.0090	0.0393	0.0287	0.0207	0.0058	0.0259	0.0002	0.2289

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0041	0.0011	0.0018	0.0000	0.0071
15 mph	0.0232	0.0021	0.0093	0.0028	0.0017	0.0005	0.0008	0.0000	0.0404
25 mph	-	-	-	-	0.0017	0.0005	0.0017	0.0000	0.0039
35 mph	0.0331	0.0030	0.0133	0.0037	-	-	-	-	0.0531
total	0.0563	0.0051	0.0226	0.0065	0.0075	0.0021	0.0043	0.0000	0.1045

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0041	0.0011	0.0018	0.0000	0.0071
10 mph	0.0569	0.0052	0.0228	0.0086	0.0052	0.0014	0.0021	0.0000	0.1022
15 mph	0.0400	0.0036	0.0161	0.0056	0.0034	0.0010	0.0012	0.0000	0.0710
20 mph	0.0215	0.0020	0.0087	0.0033	0.0020	0.0006	0.0019	0.0000	0.0399
25 mph	0.0751	0.0069	0.0302	0.0109	0.0081	0.0023	0.0059	0.0001	0.1395
30 mph	0.0664	0.0061	0.0267	0.0100	0.0060	0.0017	0.0040	0.0000	0.1208
35 mph	0.0833	0.0076	0.0334	0.0120	0.0052	0.0014	0.0024	0.0000	0.1452
40 mph	0.0203	0.0019	0.0081	0.0041	0.0027	0.0008	0.0020	0.0000	0.0399
45 mph	0.0152	0.0014	0.0061	0.0030	0.0020	0.0006	0.0014	0.0000	0.0297
50 mph	0.0154	0.0014	0.0062	0.0031	0.0021	0.0006	0.0012	0.0000	0.0301
55 mph	0.0109	0.0010	0.0044	0.0021	0.0014	0.0004	0.0004	0.0000	0.0206
60 mph	0.0179	0.0016	0.0072	0.0028	0.0018	0.0005	0.0168	0.0002	0.0487
65 mph	0.0031	0.0003	0.0012	0.0006	0.0004	0.0001	-	-	0.0057
70 mph	0.0459	0.0041	0.0179	0.0131	0.0095	0.0027	-	-	0.0932
total	0.4720	0.0429	0.1889	0.0792	0.0538	0.0151	0.0411	0.0004	0.8934

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0005	0.0002	0.0163	0.0181	0.0120	0.0541	0.1018
15 mph	0.0002	0.0000	0.0002	0.0001	0.0052	0.0061	0.0032	0.0140	0.0289
20 mph	0.0004	0.0000	0.0003	0.0001	0.0089	0.0102	0.0054	0.0205	0.0458
25 mph	0.0015	0.0000	0.0013	0.0006	0.0373	0.0434	0.0281	0.1153	0.2276
30 mph	0.0014	0.0000	0.0013	0.0006	0.0363	0.0422	0.0279	0.1143	0.2240
35 mph	0.0011	0.0000	0.0010	0.0004	0.0271	0.0313	0.0152	0.0623	0.1383
40 mph	0.0003	0.0000	0.0003	0.0001	0.0083	0.0096	0.0216	0.0890	0.1293
45 mph	0.0003	0.0000	0.0002	0.0001	0.0065	0.0074	0.0224	0.0930	0.1300
50 mph	0.0002	0.0000	0.0002	0.0001	0.0062	0.0070	0.0472	0.1940	0.2551
55 mph	0.0002	0.0000	0.0002	0.0001	0.0047	0.0054	0.0139	0.0586	0.0830
60 mph	0.0004	0.0000	0.0003	0.0001	0.0094	0.0106	0.0174	0.0724	0.1107
65 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0014	-	-	0.0027
70 mph	-	-	-	-	-	-	-	-	-
total	0.0066	0.0001	0.0058	0.0026	0.1675	0.1927	0.2144	0.8876	1.4772

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0000	0.0035	0.0039	-	-	0.0075
15 mph	0.0000	0.0000	0.0000	0.0000	0.0028	0.0032	-	-	0.0062
20 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0027	0.0097	0.0370	0.0518
25 mph	0.0001	0.0000	0.0001	0.0001	0.0040	0.0047	0.0161	0.0661	0.0911
30 mph	0.0001	0.0000	0.0001	0.0001	0.0071	0.0082	0.0302	0.1237	0.1695
35 mph	0.0002	0.0000	0.0002	0.0002	0.0145	0.0168	0.0365	0.1498	0.2182
40 mph	0.0002	0.0000	0.0002	0.0002	0.0149	0.0171	0.0428	0.1765	0.2519
45 mph	0.0002	0.0000	0.0001	0.0001	0.0112	0.0128	0.0405	0.1677	0.2325
50 mph	0.0002	0.0000	0.0002	0.0001	0.0120	0.0136	0.0262	0.1076	0.1599
55 mph	0.0001	0.0000	0.0001	0.0001	0.0063	0.0072	0.0167	0.0704	0.1009
60 mph	0.0001	0.0000	0.0000	0.0000	0.0038	0.0043	1.4676	6.0901	7.5659
65 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0015	-	-	0.0029
70 mph	0.0009	0.0000	0.0007	0.0008	0.0858	0.0802	-	-	0.1685
total	0.0022	0.0000	0.0019	0.0018	0.1696	0.1762	1.6864	6.9889	9.0269

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0909	0.0606	0.0022	0.0056	0.1593
15 mph	0.0004	0.0000	0.0003	0.0001	0.0080	0.0092	0.0050	0.0223	0.0454
25 mph	-	-	-	-	0.0108	0.0126	0.0179	0.0733	0.1146
35 mph	0.0008	0.0000	0.0008	0.0003	-	-	-	-	0.0019
total	0.0012	0.0000	0.0011	0.0004	0.1097	0.0824	0.0252	0.1012	0.3211

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0909	0.0606	0.0022	0.0056	0.1593
10 mph	0.0007	0.0000	0.0006	0.0003	0.0197	0.0220	0.0120	0.0541	0.1093
15 mph	0.0006	0.0000	0.0005	0.0002	0.0161	0.0185	0.0082	0.0363	0.0805
20 mph	0.0004	0.0000	0.0003	0.0002	0.0112	0.0130	0.0150	0.0575	0.0976
25 mph	0.0016	0.0000	0.0014	0.0006	0.0521	0.0607	0.0622	0.2547	0.4333
30 mph	0.0016	0.0000	0.0014	0.0007	0.0433	0.0504	0.0581	0.2380	0.3935
35 mph	0.0021	0.0000	0.0019	0.0009	0.0416	0.0480	0.0518	0.2121	0.3584
40 mph	0.0005	0.0000	0.0005	0.0003	0.0232	0.0267	0.0644	0.2655	0.3812
45 mph	0.0004	0.0000	0.0004	0.0002	0.0177	0.0202	0.0629	0.2607	0.3625
50 mph	0.0004	0.0000	0.0004	0.0002	0.0182	0.0207	0.0734	0.3017	0.4150
55 mph	0.0003	0.0000	0.0002	0.0001	0.0111	0.0125	0.0306	0.1291	0.1840
60 mph	0.0004	0.0000	0.0004	0.0002	0.0132	0.0148	1.4851	6.1624	7.6766
65 mph	0.0001	0.0000	0.0001	0.0000	0.0026	0.0028	-	-	0.0056
70 mph	0.0009	0.0000	0.0007	0.0008	0.0858	0.0802	-	-	0.1685
total	0.0100	0.0001	0.0087	0.0048	0.4468	0.4512	1.9259	7.9777	10.8253

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0020	0.0020
15 mph								0.0006	0.0006
20 mph								0.0010	0.0010
25 mph								0.0048	0.0048
30 mph								0.0040	0.0040
35 mph								0.0017	0.0017
40 mph								0.0018	0.0018
45 mph								0.0014	0.0014
50 mph								0.0022	0.0022
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0193	0.0193

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0017	0.0017
25 mph								0.0027	0.0027
30 mph								0.0043	0.0043
35 mph								0.0041	0.0041
40 mph								0.0036	0.0036
45 mph								0.0025	0.0025
50 mph								0.0012	0.0012
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0129	0.0129

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
15 mph								0.0009	0.0009
25 mph								0.0030	0.0030
35 mph								-	-
total	-	-	-	-	-	-	-	0.0048	0.0048

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
10 mph								0.0020	0.0020
15 mph								0.0014	0.0014
20 mph								0.0027	0.0027
25 mph								0.0105	0.0105
30 mph								0.0083	0.0083
35 mph								0.0058	0.0058
40 mph								0.0053	0.0053
45 mph								0.0039	0.0039
50 mph								0.0034	0.0034
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0443	0.0443

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0950	0.0617	0.0041	0.0065	0.1673
10 mph	0.0576	0.0052	0.0234	0.0088	0.0249	0.0234	0.0141	0.0561	0.2135
15 mph	0.0407	0.0037	0.0166	0.0058	0.0195	0.0195	0.0094	0.0378	0.1529
20 mph	0.0219	0.0020	0.0090	0.0035	0.0132	0.0135	0.0169	0.0602	0.1402
25 mph	0.0767	0.0069	0.0316	0.0115	0.0603	0.0629	0.0681	0.2653	0.5833
30 mph	0.0680	0.0061	0.0281	0.0106	0.0493	0.0521	0.0621	0.2464	0.5226
35 mph	0.0854	0.0076	0.0353	0.0128	0.0467	0.0495	0.0541	0.2179	0.5094
40 mph	0.0208	0.0019	0.0086	0.0044	0.0259	0.0275	0.0664	0.2709	0.4264
45 mph	0.0156	0.0014	0.0065	0.0033	0.0197	0.0208	0.0643	0.2646	0.3962
50 mph	0.0159	0.0014	0.0065	0.0034	0.0203	0.0212	0.0746	0.3051	0.4485
55 mph	0.0112	0.0010	0.0046	0.0022	0.0124	0.0129	0.0310	0.1291	0.2045
60 mph	0.0183	0.0016	0.0075	0.0030	0.0150	0.0153	1.5018	6.1626	7.7253
65 mph	0.0032	0.0003	0.0013	0.0006	0.0030	0.0029	-	-	0.0112
70 mph	0.0468	0.0041	0.0186	0.0139	0.0953	0.0829	-	-	0.2617
STREX	0.0093	0.0008	0.0036	0.0056	0.0005	0.0001	0.0003	0.0000	0.0204
total	0.4914	0.0438	0.2013	0.0896	0.5011	0.4664	1.9673	8.0224	**11.7834**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0010	0.0011	0.0010	0.0011	0.0003	0.0003	0.0004	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0093	0.0008	0.0036	0.0056	0.0005	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0093	0.0008	0.0036	0.0056	0.0005	0.0001	0.0003	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	6.0803	0.4644	2.2870	0.7713	0.6623	0.2232	0.4812	0.0023
Diesel	0.0713	0.0001	0.0220	0.0256	0.7048	0.5395	2.8654	3.0907
Electric/NG	0.3314	0.0138	0.0847	0.0311	-	-	-	0.2190
Total	6.4830	0.4783	2.3937	0.8281	1.3671	0.7626	3.3466	3.3120

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.5144	0.1920	0.9457	0.6661	0.7101	0.2393	1.7348	0.0084
Diesel	0.0295	0.0000	0.0091	0.0221	0.7556	0.5784	10.3312	11.1434
Electric/NG	0.1370	0.0057	0.0350	0.0269	-	-	-	0.7895
Total	2.6809	0.1978	0.9899	0.7152	1.4658	0.8177	12.0660	11.9413

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.0746	0.0821	0.4042	0.1106	0.0585	0.0197	0.0827	0.0004
Diesel	0.0126	0.0000	0.0039	0.0037	0.0623	0.0477	0.4923	0.5310
Electric/NG	0.0586	0.0024	0.0150	0.0045	-	-	-	0.0376
Total	1.1457	0.0845	0.4230	0.1188	0.1208	0.0674	0.5750	0.5690

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	9.6692	0.7385	3.6369	1.5481	1.4310	0.4822	2.2987	0.0111	19.8156
Diesel	0.1134	0.0001	0.0350	0.0515	1.5227	1.1655	13.6889	14.7651	31.3422
Electric/NG	0.5270	0.0220	0.1347	0.0625	-	-	-	1.0461	1.7924
Total	10.3096	0.7606	3.8067	1.6620	2.9537	1.6477	15.9876	15.8223	**52.9501**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	31.7691
Internal	22.3636
Total	**54.1328**

Black Carbon

percent of PM2.5 Exhaust

LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0731	0.0475	0.0031	0.0050	0.1288
10 mph	0.0369	0.0033	0.0150	0.0057	0.0192	0.0180	0.0109	0.0432	0.1520
15 mph	0.0260	0.0023	0.0106	0.0037	0.0150	0.0150	0.0072	0.0291	0.1091
20 mph	0.0140	0.0013	0.0058	0.0022	0.0102	0.0104	0.0130	0.0463	0.1033
25 mph	0.0491	0.0044	0.0202	0.0074	0.0464	0.0485	0.0524	0.2043	0.4327
30 mph	0.0435	0.0039	0.0180	0.0068	0.0380	0.0401	0.0478	0.1897	0.3878
35 mph	0.0546	0.0049	0.0226	0.0082	0.0360	0.0381	0.0417	0.1678	0.3739
40 mph	0.0133	0.0012	0.0055	0.0028	0.0200	0.0212	0.0512	0.2086	0.3237
45 mph	0.0100	0.0009	0.0041	0.0021	0.0152	0.0160	0.0495	0.2037	0.3016
50 mph	0.0101	0.0009	0.0042	0.0022	0.0156	0.0164	0.0575	0.2349	0.3418
55 mph	0.0072	0.0006	0.0030	0.0014	0.0096	0.0099	0.0239	0.0994	0.1550
60 mph	0.0117	0.0010	0.0048	0.0019	0.0116	0.0118	1.1564	4.7452	5.9445
65 mph	0.0020	0.0002	0.0008	0.0004	0.0023	0.0023	-	-	0.0080
70 mph	0.0300	0.0026	0.0119	0.0089	0.0734	0.0638	-	-	0.1906
total	0.3085	0.0275	0.1265	0.0537	0.3855	0.3591	1.5146	6.1772	8.9527

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2034 (Net) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	2,770	2.40	0.32	0.0005	1.30	0.0019	5.28
2	L	3,893	2.40	0.32	0.0005	1.82	0.0019	7.42
3	L	3,693	2.40	0.32	0.0005	1.73	0.0019	7.03
5	L	5,971	2.40	0.32	0.0005	2.79	0.0019	11.37
6	L	11,969	2.40	0.32	0.0005	5.60	0.0019	22.80
8	L	8,922	2.40	0.32	0.0005	4.17	0.0019	17.00
11	L	(1,798)	2.40	0.32	0.0005	(0.84)	0.0019	(3.43)
12	L	(2,740)	2.40	0.32	0.0005	(1.28)	0.0019	(5.22)
14	L	(1,469)	2.40	0.32	0.0005	(0.69)	0.0019	(2.80)
18	L	1,551	2.40	0.32	0.0005	0.73	0.0019	2.95
19	L	7,389	2.40	0.32	0.0005	3.46	0.0019	14.08
21	L	3,796	2.40	0.32	0.0005	1.78	0.0019	7.23
24	L	8,539	2.40	0.32	0.0005	3.99	0.0019	16.27
30	L	(8,387)	2.40	0.32	0.0005	(3.92)	0.0019	(15.98)
29	L	4,015	2.40	0.32	0.0005	1.88	0.0019	7.65
31	L	(289)	2.40	0.32	0.0005	(0.14)	0.0019	(0.55)
TOTAL						22.36		91.11

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2034 (Net) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	354,991	2.40	0.032	0.0001	20.42	0.0002	83.20
Freeway	F	393,014	2.40	0.015	0.0000	11.35	0.0001	46.23
TOTAL		748,005				31.77		129.43

World Logistics Center
Mobile Emissions - 2034 (Net) - Mitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0047	0.0058	0.0055	0.0059	0.0071	0.0080	0.0149	0.2044
15 mph	0.0041	0.0051	0.0048	0.0052	0.0062	0.0070	0.0131	0.1804
20 mph	0.0037	0.0046	0.0043	0.0046	0.0056	0.0063	0.0118	0.1620
25 mph	0.0033	0.0042	0.0039	0.0042	0.0051	0.0057	0.0107	0.1479
30 mph	0.0031	0.0039	0.0036	0.0039	0.0048	0.0053	0.0099	0.1373
35 mph	0.0029	0.0036	0.0034	0.0037	0.0045	0.0050	0.0093	0.1294
40 mph	0.0028	0.0035	0.0033	0.0035	0.0043	0.0048	0.0089	0.1236
45 mph	0.0027	0.0034	0.0032	0.0034	0.0042	0.0047	0.0086	0.1200
50 mph	0.0027	0.0034	0.0031	0.0034	0.0042	0.0046	0.0085	0.1186
55 mph	0.0027	0.0034	0.0032	0.0035	0.0042	0.0047	0.0086	0.1196
60 mph	0.0028	0.0036	0.0033	0.0036	0.0044	0.0049	0.0088	0.1235
65 mph	0.0030	0.0038	0.0035	0.0038	0.0046	0.0051	0.0093	0.1298
70 mph	0.0031	0.0040	0.0036	0.0040	0.0050	0.0052	0.0091	0.1356

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0536	0.1100	0.0716	0.0890	0.1337	0.1497	0.2589	0.3710
15 mph	0.0441	0.0915	0.0594	0.0755	0.0871	0.0994	0.2036	0.2884
20 mph	0.0361	0.0751	0.0488	0.0627	0.0743	0.0849	0.1739	0.2490
25 mph	0.0303	0.0627	0.0409	0.0531	0.0659	0.0756	0.1518	0.2071
30 mph	0.0263	0.0539	0.0354	0.0459	0.0599	0.0682	0.1332	0.1820
35 mph	0.0237	0.0483	0.0319	0.0417	0.0600	0.0683	0.1190	0.1629
40 mph	0.0222	0.0450	0.0298	0.0390	0.0584	0.0659	0.1091	0.1497
45 mph	0.0215	0.0434	0.0287	0.0375	0.0570	0.0634	0.1034	0.1424
50 mph	0.0215	0.0434	0.0287	0.0377	0.0598	0.0658	0.1021	0.1400
55 mph	0.0225	0.0454	0.0301	0.0398	0.0624	0.0680	0.1050	0.1457
60 mph	0.0244	0.0493	0.0326	0.0431	0.0630	0.0682	0.1122	0.1545
65 mph	0.0274	0.0549	0.0366	0.0484	0.0639	0.0685	0.1237	0.1675
70 mph	0.0298	0.0572	0.0393	0.0526	0.0647	0.0695	0.1249	0.1703

*US EPA Emission Factors for Greenhouse Gas Inventories. (Idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.8276
15 mph								0.6944
20 mph								0.6063
25 mph								0.5591
30 mph								0.5290
35 mph								0.5051
40 mph								0.4855
45 mph								0.4691
50 mph								0.4549
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0797	0.0076	0.0354	0.0129	0.0068	0.0022	0.0073	0.0009	0.1527
15 mph	0.0279	0.0027	0.0124	0.0045	0.0024	0.0008	0.0021	0.0003	0.0531
20 mph	0.0502	0.0048	0.0222	0.0081	0.0043	0.0014	0.0038	0.0005	0.0954
25 mph	0.2295	0.0218	0.1012	0.0368	0.0196	0.0064	0.0193	0.0024	0.4368
30 mph	0.2349	0.0223	0.1031	0.0376	0.0201	0.0065	0.0162	0.0020	0.4426
35 mph	0.1817	0.0172	0.0794	0.0290	0.0156	0.0050	0.0068	0.0009	0.3357
40 mph	0.0579	0.0055	0.0253	0.0092	0.0050	0.0016	0.0073	0.0009	0.1127
45 mph	0.0467	0.0044	0.0204	0.0075	0.0040	0.0013	0.0056	0.0007	0.0906
50 mph	0.0462	0.0044	0.0202	0.0074	0.0040	0.0013	0.0090	0.0011	0.0936
55 mph	0.0373	0.0036	0.0164	0.0060	0.0032	0.0010	0.0021	0.0003	0.0699
60 mph	0.0776	0.0075	0.0342	0.0125	0.0067	0.0022	0.0022	0.0003	0.1430
65 mph	0.0102	0.0010	0.0045	0.0017	0.0009	0.0003	-	-	0.0184
70 mph	-	-	-	-	-	-	-	-	-
total	1.0797	0.1027	0.4746	0.1732	0.0925	0.0300	0.0817	0.0102	2.0445

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0066	0.0006	0.0029	0.0022	0.0015	0.0005	-	-	0.0143
15 mph	0.0058	0.0006	0.0026	0.0019	0.0013	0.0004	-	-	0.0125
20 mph	0.0052	0.0005	0.0023	0.0017	0.0012	0.0004	0.0069	0.0009	0.0191
25 mph	0.0095	0.0009	0.0042	0.0032	0.0021	0.0007	0.0111	0.0014	0.0330
30 mph	0.0177	0.0017	0.0078	0.0059	0.0039	0.0013	0.0175	0.0022	0.0579
35 mph	0.0376	0.0036	0.0164	0.0125	0.0083	0.0027	0.0164	0.0021	0.0996
40 mph	0.0399	0.0038	0.0174	0.0133	0.0089	0.0029	0.0144	0.0018	0.1024
45 mph	0.0309	0.0029	0.0135	0.0103	0.0069	0.0022	0.0101	0.0013	0.0782
50 mph	0.0344	0.0033	0.0150	0.0115	0.0077	0.0025	0.0050	0.0006	0.0800
55 mph	0.0193	0.0018	0.0085	0.0065	0.0043	0.0014	0.0025	0.0003	0.0447
60 mph	0.0120	0.0012	0.0053	0.0041	0.0027	0.0009	0.1825	0.0230	0.2315
65 mph	0.0042	0.0004	0.0019	0.0014	0.0009	0.0003	-	-	0.0091
70 mph	0.2045	0.0201	0.0883	0.0697	0.0469	0.0144	-	-	0.4440
total	0.4275	0.0413	0.1861	0.1443	0.0966	0.0304	0.2665	0.0335	1.2262

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0015	0.0005	0.0007	0.0000	0.0027
15 mph	0.0465	0.0045	0.0207	0.0065	0.0036	0.0012	0.0034	0.0004	0.0868
25 mph	-	-	-	-	0.0057	0.0018	0.0123	0.0015	0.0213
35 mph	0.1448	0.0137	0.0633	0.0185	-	-	-	-	0.2402
total	0.1913	0.0182	0.0839	0.0250	0.0108	0.0035	0.0164	0.0020	0.3510

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0015	0.0005	0.0007	0.0000	0.0027
10 mph	0.0862	0.0083	0.0383	0.0151	0.0082	0.0027	0.0073	0.0009	0.1670
15 mph	0.0802	0.0077	0.0356	0.0130	0.0073	0.0024	0.0056	0.0007	0.1524
20 mph	0.0554	0.0053	0.0245	0.0098	0.0054	0.0018	0.0108	0.0013	0.1144
25 mph	0.2389	0.0227	0.1053	0.0400	0.0273	0.0089	0.0426	0.0053	0.4911
30 mph	0.2525	0.0239	0.1109	0.0435	0.0240	0.0078	0.0337	0.0042	0.5005
35 mph	0.3641	0.0344	0.1591	0.0600	0.0239	0.0077	0.0233	0.0029	0.6755
40 mph	0.0978	0.0092	0.0427	0.0226	0.0139	0.0045	0.0217	0.0027	0.2151
45 mph	0.0776	0.0073	0.0339	0.0178	0.0109	0.0035	0.0158	0.0020	0.1688
50 mph	0.0805	0.0077	0.0352	0.0189	0.0117	0.0038	0.0140	0.0018	0.1735
55 mph	0.0566	0.0054	0.0249	0.0125	0.0076	0.0024	0.0046	0.0006	0.1146
60 mph	0.0896	0.0086	0.0395	0.0166	0.0094	0.0030	0.1846	0.0232	0.3746
65 mph	0.0144	0.0014	0.0063	0.0031	0.0018	0.0006	-	-	0.0276
70 mph	0.2045	0.0201	0.0883	0.0697	0.0469	0.0144	-	-	0.4440
total	1.6985	0.1621	0.7446	0.3425	0.1999	0.0638	0.3646	0.0457	3.6218

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0108	0.0000	0.0044	0.0064	0.1318	0.0979	0.7563	1.9714	2.9790
15 mph	0.0035	0.0000	0.0015	0.0022	0.0343	0.0260	0.1982	0.5109	0.7766
20 mph	0.0058	0.0000	0.0024	0.0036	0.0586	0.0444	0.3387	0.8822	1.3357
25 mph	0.0243	0.0000	0.0102	0.0153	0.2597	0.1979	1.6253	4.0354	6.1681
30 mph	0.0232	0.0000	0.0097	0.0146	0.2596	0.1964	1.2973	3.2235	5.0245
35 mph	0.0172	0.0000	0.0071	0.0108	0.2127	0.1610	0.5215	1.2985	2.2289
40 mph	0.0054	0.0000	0.0022	0.0034	0.0690	0.0517	0.5311	1.3259	1.9887
45 mph	0.0043	0.0000	0.0018	0.0027	0.0561	0.0415	0.4027	1.0086	1.5177
50 mph	0.0043	0.0000	0.0018	0.0027	0.0589	0.0430	0.6459	1.6113	2.3679
55 mph	0.0036	0.0000	0.0015	0.0023	0.0492	0.0356	0.1534	0.3870	0.6325
60 mph	0.0078	0.0000	0.0032	0.0050	0.0993	0.0714	0.1639	0.4106	0.7612
65 mph	0.0011	0.0000	0.0005	0.0007	0.0126	0.0090	-	-	0.0238
70 mph	-	-	-	-	-	-	-	-	-
total	0.1113	0.0002	0.0463	0.0698	1.3019	0.9758	6.6342	16.6652	25.8047

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0009	0.0000	0.0004	0.0011	0.0283	0.0210	-	-	0.0516
15 mph	0.0007	0.0000	0.0003	0.0009	0.0184	0.0139	-	-	0.0343
20 mph	0.0006	0.0000	0.0003	0.0008	0.0157	0.0119	0.6105	1.5904	2.2301
25 mph	0.0010	0.0000	0.0004	0.0013	0.0278	0.0212	0.9322	2.3147	3.2988
30 mph	0.0017	0.0000	0.0007	0.0023	0.0506	0.0383	1.4033	3.4868	4.9837
35 mph	0.0035	0.0000	0.0015	0.0047	0.1141	0.0863	1.2535	3.1213	4.5849
40 mph	0.0037	0.0000	0.0015	0.0049	0.1233	0.0925	1.0531	2.6293	3.9083
45 mph	0.0029	0.0000	0.0012	0.0037	0.0963	0.0711	0.7260	1.8182	2.7195
50 mph	0.0032	0.0000	0.0013	0.0042	0.1136	0.0830	0.3583	0.8938	1.4575
55 mph	0.0019	0.0000	0.0008	0.0025	0.0659	0.0477	0.1843	0.4651	0.7681
60 mph	0.0012	0.0000	0.0005	0.0016	0.0399	0.0287	13.7868	34.5402	48.3990
65 mph	0.0005	0.0000	0.0002	0.0006	0.0135	0.0096	-	-	0.0244
70 mph	0.0227	0.0000	0.0093	0.0302	0.6290	0.4489	-	-	1.1401
total	0.0446	0.0001	0.0183	0.0588	1.3365	0.9741	20.3082	50.8595	73.6002

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0006	0.0004	0.0015	0.0028	0.0053
15 mph	0.0059	0.0000	0.0025	0.0032	0.0523	0.0396	0.3168	0.8163	1.2366
25 mph	-	-	-	-	0.0752	0.0573	1.0332	2.5653	3.7308
35 mph	0.0137	0.0000	0.0057	0.0069	-	-	-	-	0.0263
total	0.0196	0.0000	0.0081	0.0100	0.1281	0.0973	1.3514	3.3844	4.9990

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0006	0.0004	0.0015	0.0028	0.0053
10 mph	0.0116	0.0000	0.0048	0.0075	0.1600	0.1189	0.7563	1.9714	3.0307
15 mph	0.0102	0.0000	0.0042	0.0063	0.1051	0.0796	0.5150	1.3272	2.0475
20 mph	0.0064	0.0000	0.0027	0.0044	0.0743	0.0563	0.9492	2.4726	3.5659
25 mph	0.0253	0.0001	0.0106	0.0167	0.3627	0.2763	3.5907	8.9154	13.1977
30 mph	0.0249	0.0001	0.0104	0.0169	0.3103	0.2347	2.7006	6.7103	10.0081
35 mph	0.0344	0.0001	0.0143	0.0224	0.3268	0.2473	1.7751	4.4198	6.8400
40 mph	0.0090	0.0000	0.0037	0.0082	0.1924	0.1442	1.5842	3.9551	5.8969
45 mph	0.0072	0.0000	0.0030	0.0065	0.1524	0.1126	1.1288	2.8268	4.2372
50 mph	0.0075	0.0000	0.0031	0.0070	0.1725	0.1261	1.0042	2.5050	3.8254
55 mph	0.0055	0.0000	0.0023	0.0048	0.1151	0.0833	0.3377	0.8520	1.4006
60 mph	0.0091	0.0000	0.0037	0.0066	0.1392	0.1001	13.9507	34.9507	49.1602
65 mph	0.0016	0.0000	0.0006	0.0013	0.0261	0.0186	-	-	0.0482
70 mph	0.0227	0.0000	0.0093	0.0302	0.6290	0.4489	-	-	1.1401
total	0.1755	0.0003	0.0727	0.1387	2.7664	2.0472	28.2939	70.9091	104.4039

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.3066	0.3066
15 mph								0.0858	0.0858
20 mph								0.1498	0.1498
25 mph								0.7596	0.7596
30 mph								0.6533	0.6533
35 mph								0.2807	0.2807
40 mph								0.2998	0.2998
45 mph								0.2317	0.2317
50 mph								0.3652	0.3652
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.1326	3.1326

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.2700	0.2700
25 mph								0.4357	0.4357
30 mph								0.7066	0.7066
35 mph								0.6748	0.6748
40 mph								0.5946	0.5946
45 mph								0.4178	0.4178
50 mph								0.2026	0.2026
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.0871	2.0871

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0005	0.0005
15 mph								0.1370	0.1370
25 mph								0.4829	0.4829
35 mph								-	-
total	-	-	-	-	-	-	-	0.6204	0.6204

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0005	0.0005
10 mph								0.3066	0.3066
15 mph								0.2228	0.2228
20 mph								0.4198	0.4198
25 mph								1.6781	1.6781
30 mph								1.3599	1.3599
35 mph								0.9555	0.9555
40 mph								0.8944	0.8944
45 mph								0.6495	0.6495
50 mph								0.5678	0.5678
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	7.0550	7.0550

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0021	0.0008	0.0023	0.0033	0.0085
10 mph	0.0979	0.0083	0.0431	0.0227	0.1682	0.1216	0.7635	2.2790	3.5043
15 mph	0.0904	0.0077	0.0398	0.0193	0.1123	0.0820	0.5205	1.5507	2.4227
20 mph	0.0618	0.0053	0.0272	0.0142	0.0797	0.0581	0.9600	2.8937	4.1000
25 mph	0.2643	0.0228	0.1159	0.0566	0.3901	0.2852	3.6332	10.5988	15.3669
30 mph	0.2775	0.0240	0.1213	0.0603	0.3343	0.2425	2.7343	8.0745	11.8686
35 mph	0.3984	0.0345	0.1734	0.0824	0.3507	0.2550	1.7983	5.3782	8.4711
40 mph	0.1069	0.0093	0.0465	0.0308	0.2062	0.1487	1.6059	4.8523	7.0064
45 mph	0.0847	0.0074	0.0369	0.0242	0.1634	0.1161	1.1445	3.4782	5.0555
50 mph	0.0881	0.0077	0.0383	0.0259	0.1842	0.1298	1.0182	3.0746	4.5667
55 mph	0.0621	0.0054	0.0271	0.0173	0.1226	0.0857	0.3424	0.8526	1.5152
60 mph	0.0986	0.0086	0.0432	0.0232	0.1486	0.1031	14.1353	34.9740	49.5348
65 mph	0.0159	0.0014	0.0070	0.0044	0.0279	0.0192	-	-	0.0757
70 mph	0.2273	0.0202	0.0976	0.0999	0.6759	0.4632	-	-	1.5841
STREX	0.1803	0.0150	0.0749	0.1169	0.0535	0.0157	0.0249	0.0000	0.4811
total	2.0543	0.1775	0.8922	0.5980	3.0199	2.1267	28.6834	78.0098	**115.5617**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0190	0.0207	0.0210	0.0221	0.0318	0.0319	0.0298	0.0012
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1803	0.0150	0.0749	0.1169	0.0535	0.0157	0.0249	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1803	0.0150	0.0749	0.1169	0.0535	0.0157	0.0249	0.0000

World Logistics Center
Mobile Emissions - 2034 (Net) - Mitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.7949	1.8169	3.3706	2.3678
10 mph	0.0039	0.0067	0.0065	0.0072	0.0070	0.0062	0.0139	0.2976
15 mph	0.0026	0.0045	0.0043	0.0048	0.0047	0.0041	0.0092	0.1977
20 mph	0.0018	0.0032	0.0030	0.0034	0.0033	0.0029	0.0065	0.1386
25 mph	0.0013	0.0024	0.0023	0.0025	0.0025	0.0021	0.0048	0.1025
30 mph	0.0010	0.0018	0.0018	0.0020	0.0019	0.0017	0.0037	0.0799
35 mph	0.0009	0.0015	0.0014	0.0016	0.0016	0.0014	0.0030	0.0658
40 mph	0.0007	0.0013	0.0012	0.0014	0.0014	0.0012	0.0026	0.0572
45 mph	0.0007	0.0012	0.0011	0.0013	0.0013	0.0011	0.0024	0.0524
50 mph	0.0007	0.0012	0.0011	0.0012	0.0012	0.0011	0.0023	0.0507
55 mph	0.0007	0.0012	0.0011	0.0013	0.0013	0.0011	0.0024	0.0515
60 mph	0.0007	0.0012	0.0012	0.0013	0.0014	0.0011	0.0025	0.0551
65 mph	0.0008	0.0014	0.0013	0.0015	0.0015	0.0013		
70 mph	0.0009	0.0016	0.0014	0.0016	0.0017	0.0014		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0235	0.1100
10 mph	0.0034	0.0108	0.0091	0.0038	0.0259	0.0260	0.0015	0.0038
15 mph	0.0016	0.0059	0.0045	0.0018	0.0128	0.0129	0.0009	0.0021
20 mph	0.0007	0.0031	0.0017	0.0007	0.0053	0.0053	0.0006	0.0013
25 mph	0.0004	0.0021	0.0010	0.0004	0.0032	0.0033	0.0005	0.0011
30 mph	0.0003	0.0017	0.0008	0.0003	0.0025	0.0025	0.0004	0.0009
35 mph	0.0002	0.0014	0.0006	0.0003	0.0020	0.0021	0.0003	0.0007
40 mph	0.0002	0.0012	0.0005	0.0002	0.0017	0.0017	0.0003	0.0006
45 mph	0.0002	0.0011	0.0004	0.0002	0.0015	0.0015	0.0002	0.0006
50 mph	0.0002	0.0011	0.0004	0.0002	0.0013	0.0014	0.0002	0.0006
55 mph	0.0001	0.0011	0.0003	0.0001	0.0012	0.0012	0.0003	0.0006
60 mph	0.0001	0.0011	0.0003	0.0001	0.0012	0.0012	0.0003	0.0007
65 mph	0.0001	0.0012	0.0003	0.0001	0.0013	0.0013		
70 mph	0.0001	0.0012	0.0003	0.0001	0.0018	0.0017		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.8743
10 mph								10.6727
15 mph								7.4079
20 mph								5.2871
25 mph								3.8777
30 mph								2.8683
35 mph								2.1232
40 mph								1.5735
45 mph								1.1686
50 mph								0.8711
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0669	0.0087	0.0416	0.0157	0.0067	0.0017	0.0068	0.0013	0.1495
15 mph	0.0178	0.0023	0.0111	0.0042	0.0018	0.0005	0.0015	0.0003	0.0395
20 mph	0.0249	0.0033	0.0157	0.0059	0.0025	0.0006	0.0021	0.0004	0.0556
25 mph	0.0919	0.0123	0.0580	0.0219	0.0093	0.0024	0.0086	0.0017	0.2062
30 mph	0.0786	0.0106	0.0497	0.0188	0.0080	0.0020	0.0061	0.0012	0.1750
35 mph	0.0528	0.0071	0.0332	0.0126	0.0055	0.0014	0.0022	0.0004	0.1153
40 mph	0.0153	0.0021	0.0096	0.0037	0.0016	0.0004	0.0022	0.0004	0.0352
45 mph	0.0117	0.0016	0.0074	0.0028	0.0012	0.0003	0.0016	0.0003	0.0269
50 mph	0.0113	0.0015	0.0071	0.0027	0.0012	0.0003	0.0025	0.0005	0.0270
55 mph	0.0092	0.0012	0.0057	0.0022	0.0010	0.0002	0.0006	0.0001	0.0202
60 mph	0.0194	0.0026	0.0120	0.0046	0.0021	0.0005	0.0006	0.0001	0.0419
65 mph	0.0027	0.0004	0.0017	0.0006	0.0003	0.0001	-	-	0.0057
70 mph	-	-	-	-	-	-	-	-	-
total	0.4024	0.0538	0.2529	0.0958	0.0412	0.0104	0.0347	0.0067	0.8980

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0055	0.0007	0.0034	0.0027	0.0014	0.0004	-	-	0.0142
15 mph	0.0037	0.0005	0.0023	0.0018	0.0010	0.0002	-	-	0.0095
20 mph	0.0026	0.0003	0.0016	0.0013	0.0007	0.0002	0.0038	0.0007	0.0112
25 mph	0.0038	0.0005	0.0024	0.0019	0.0010	0.0003	0.0049	0.0010	0.0157
30 mph	0.0059	0.0008	0.0037	0.0030	0.0016	0.0004	0.0066	0.0013	0.0232
35 mph	0.0109	0.0015	0.0069	0.0055	0.0029	0.0007	0.0054	0.0010	0.0348
40 mph	0.0105	0.0014	0.0066	0.0053	0.0028	0.0007	0.0043	0.0008	0.0325
45 mph	0.0077	0.0010	0.0049	0.0039	0.0021	0.0005	0.0028	0.0006	0.0235
50 mph	0.0084	0.0011	0.0053	0.0042	0.0023	0.0006	0.0014	0.0003	0.0235
55 mph	0.0047	0.0006	0.0030	0.0024	0.0013	0.0003	0.0007	0.0001	0.0132
60 mph	0.0030	0.0004	0.0019	0.0015	0.0008	0.0002	0.0523	0.0102	0.0703
65 mph	0.0011	0.0001	0.0007	0.0006	0.0003	0.0001	-	-	0.0029
70 mph	0.0570	0.0078	0.0338	0.0281	0.0159	0.0037	-	-	0.1463
total	0.1250	0.0169	0.0764	0.0620	0.0341	0.0083	0.0821	0.0160	0.4209

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2076	0.0612	0.1806	0.0015	0.4510
15 mph	0.0296	0.0039	0.0186	0.0061	0.0027	0.0007	0.0024	0.0005	0.0644
25 mph	-	-	-	-	0.0027	0.0007	0.0055	0.0011	0.0099
35 mph	0.0421	0.0057	0.0265	0.0080	-	-	-	-	0.0823
total	0.0717	0.0096	0.0450	0.0141	0.2130	0.0626	0.1885	0.0031	0.6076

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2076	0.0612	0.1806	0.0015	0.4510
10 mph	0.0724	0.0094	0.0451	0.0184	0.0082	0.0021	0.0068	0.0013	0.1637
15 mph	0.0510	0.0067	0.0320	0.0121	0.0054	0.0014	0.0039	0.0008	0.1134
20 mph	0.0275	0.0037	0.0173	0.0072	0.0032	0.0008	0.0059	0.0011	0.0668
25 mph	0.0957	0.0128	0.0604	0.0238	0.0131	0.0033	0.0190	0.0037	0.2318
30 mph	0.0846	0.0114	0.0534	0.0218	0.0096	0.0024	0.0126	0.0025	0.1982
35 mph	0.1058	0.0143	0.0666	0.0262	0.0084	0.0021	0.0076	0.0015	0.2324
40 mph	0.0258	0.0035	0.0162	0.0089	0.0044	0.0011	0.0064	0.0013	0.0677
45 mph	0.0194	0.0026	0.0122	0.0067	0.0033	0.0008	0.0044	0.0009	0.0504
50 mph	0.0197	0.0027	0.0123	0.0069	0.0035	0.0009	0.0038	0.0008	0.0505
55 mph	0.0139	0.0019	0.0087	0.0046	0.0023	0.0006	0.0013	0.0003	0.0334
60 mph	0.0224	0.0030	0.0139	0.0061	0.0029	0.0007	0.0529	0.0104	0.1122
65 mph	0.0038	0.0005	0.0024	0.0012	0.0006	0.0001	-	-	0.0086
70 mph	0.0570	0.0078	0.0338	0.0281	0.0159	0.0037	-	-	0.1463
total	0.5991	0.0804	0.3744	0.1719	0.2883	0.0813	0.3054	0.0258	1.9265

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0006	0.0003	0.0255	0.0170	0.0045	0.0200	0.0685
15 mph	0.0001	0.0000	0.0001	0.0001	0.0051	0.0034	0.0008	0.0037	0.0132
20 mph	0.0001	0.0000	0.0001	0.0000	0.0041	0.0028	0.0011	0.0046	0.0129
25 mph	0.0003	0.0000	0.0003	0.0001	0.0128	0.0086	0.0049	0.0207	0.0477
30 mph	0.0003	0.0000	0.0002	0.0001	0.0108	0.0073	0.0036	0.0152	0.0375
35 mph	0.0002	0.0000	0.0001	0.0001	0.0072	0.0048	0.0013	0.0056	0.0194
40 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0014	0.0013	0.0054	0.0101
45 mph	0.0000	0.0000	0.0000	0.0000	0.0015	0.0010	0.0009	0.0040	0.0074
50 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0009	0.0015	0.0065	0.0103
55 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0006	0.0004	0.0017	0.0037
60 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0013	0.0005	0.0019	0.0056
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0019	0.0000	0.0015	0.0007	0.0734	0.0492	0.0207	0.0892	0.2367

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0000	0.0055	0.0036	-	-	0.0093
15 mph	0.0000	0.0000	0.0000	0.0000	0.0027	0.0018	-	-	0.0046
20 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0007	0.0020	0.0083	0.0123
25 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0009	0.0028	0.0119	0.0170
30 mph	0.0000	0.0000	0.0000	0.0000	0.0021	0.0014	0.0039	0.0164	0.0239
35 mph	0.0000	0.0000	0.0000	0.0000	0.0039	0.0026	0.0032	0.0136	0.0233
40 mph	0.0000	0.0000	0.0000	0.0000	0.0036	0.0024	0.0025	0.0107	0.0193
45 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0017	0.0017	0.0072	0.0131
50 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0017	0.0008	0.0036	0.0087
55 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0009	0.0005	0.0020	0.0046
60 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0005	0.0380	0.1623	0.2015
65 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	-	-	0.0005
70 mph	0.0001	0.0000	0.0001	0.0001	0.0171	0.0112	-	-	0.0285
total	0.0004	0.0000	0.0003	0.0003	0.0447	0.0297	0.0553	0.2360	0.3666

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0176	0.0117	0.0075	0.0639	0.1007
15 mph	0.0002	0.0000	0.0002	0.0001	0.0077	0.0052	0.0013	0.0059	0.0205
25 mph	-	-	-	-	0.0037	0.0025	0.0031	0.0131	0.0224
35 mph	0.0001	0.0000	0.0001	0.0000	-	-	-	-	0.0003
total	0.0004	0.0000	0.0003	0.0001	0.0290	0.0194	0.0119	0.0829	0.1439

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0176	0.0117	0.0075	0.0639	0.1007
10 mph	0.0007	0.0000	0.0006	0.0003	0.0310	0.0207	0.0045	0.0200	0.0778
15 mph	0.0004	0.0000	0.0003	0.0002	0.0155	0.0103	0.0022	0.0095	0.0384
20 mph	0.0001	0.0000	0.0001	0.0001	0.0053	0.0035	0.0032	0.0130	0.0252
25 mph	0.0003	0.0000	0.0003	0.0001	0.0179	0.0120	0.0107	0.0457	0.0871
30 mph	0.0003	0.0000	0.0002	0.0001	0.0129	0.0087	0.0074	0.0316	0.0614
35 mph	0.0004	0.0000	0.0003	0.0001	0.0111	0.0074	0.0045	0.0192	0.0430
40 mph	0.0001	0.0000	0.0001	0.0000	0.0056	0.0038	0.0038	0.0161	0.0295
45 mph	0.0001	0.0000	0.0000	0.0000	0.0040	0.0027	0.0026	0.0111	0.0205
50 mph	0.0001	0.0000	0.0000	0.0000	0.0038	0.0026	0.0024	0.0101	0.0190
55 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0015	0.0008	0.0037	0.0083
60 mph	0.0000	0.0000	0.0000	0.0000	0.0026	0.0018	0.0384	0.1642	0.2071
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	-	-	0.0009
70 mph	0.0001	0.0000	0.0001	0.0001	0.0171	0.0112	-	-	0.0285
total	0.0026	0.0000	0.0021	0.0012	0.1471	0.0983	0.0880	0.4081	0.7473

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								3.9545	3.9545
15 mph								0.9149	0.9149
20 mph								1.3060	1.3060
25 mph								5.2682	5.2682
30 mph								3.5426	3.5426
35 mph								1.1800	1.1800
40 mph								0.9717	0.9717
45 mph								0.5773	0.5773
50 mph								0.6993	0.6993
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	18.4146	18.4146

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								2.3544	2.3544
25 mph								3.0218	3.0218
30 mph								3.8319	3.8319
35 mph								2.8364	2.8364
40 mph								1.9270	1.9270
45 mph								1.0408	1.0408
50 mph								0.3879	0.3879
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	12.0445	12.0445

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0759	0.0759
15 mph								1.4620	1.4620
25 mph								3.3489	3.3489
35 mph								-	-
total	-	-	-	-	-	-	-	4.8869	4.8869

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0759	0.0759
10 mph								3.9545	3.9545
15 mph								2.3770	2.3770
20 mph								3.6604	3.6604
25 mph								11.6389	11.6389
30 mph								7.3745	7.3745
35 mph								4.0165	4.0165
40 mph								2.8987	2.8987
45 mph								1.6181	1.6181
50 mph								1.0872	1.0872
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	38.7017	38.7017

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2252	0.0729	0.1881	0.1413	0.6275
10 mph	0.0731	0.0094	0.0457	0.0187	0.0391	0.0228	0.0113	3.9758	4.1960
15 mph	0.0514	0.0067	0.0323	0.0122	0.0209	0.0117	0.0061	2.3873	2.5287
20 mph	0.0276	0.0037	0.0174	0.0072	0.0085	0.0043	0.0091	3.6745	3.7523
25 mph	0.0960	0.0128	0.0607	0.0239	0.0309	0.0153	0.0297	11.6883	11.9578
30 mph	0.0848	0.0114	0.0536	0.0219	0.0225	0.0111	0.0201	7.4086	7.6340
35 mph	0.1062	0.0143	0.0669	0.0263	0.0194	0.0095	0.0121	4.0372	4.2919
40 mph	0.0259	0.0035	0.0163	0.0090	0.0101	0.0049	0.0102	2.9160	2.9959
45 mph	0.0195	0.0026	0.0123	0.0067	0.0073	0.0035	0.0070	1.6302	1.6891
50 mph	0.0198	0.0027	0.0124	0.0069	0.0073	0.0035	0.0062	1.0980	1.1568
55 mph	0.0140	0.0019	0.0087	0.0046	0.0045	0.0021	0.0021	0.0039	0.0417
60 mph	0.0224	0.0030	0.0140	0.0061	0.0055	0.0025	0.0913	0.1746	0.3194
65 mph	0.0038	0.0005	0.0024	0.0012	0.0011	0.0005	-	-	0.0095
70 mph	0.0571	0.0078	0.0339	0.0282	0.0329	0.0149	-	-	0.1748
STREX	0.2345	0.0215	0.1205	0.1960	0.0217	0.0063	0.0266	0.0000	0.6272
total	0.8362	0.1019	0.4970	0.3691	0.4570	0.1859	0.4199	39.1356	**42.0027**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0248	0.0298	0.0339	0.0371	0.0129	0.0128	0.0317	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2345	0.0215	0.1205	0.1960	0.0217	0.0063	0.0266	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.2345	0.0215	0.1205	0.1960	0.0217	0.0063	0.0266	0.0000

World Logistics Center
Mobile Emissions - 2034 (Net) - Mitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,014.20	4,695.68	11,857.67	19,303.13
10 mph	399.59	469.77	469.76	576.48	1,314.55	1,515.65	2,690.01	3,140.96
15 mph	326.66	384.10	384.02	471.12	1,074.35	1,237.81	2,202.48	2,576.96
20 mph	271.67	319.41	319.36	391.81	893.35	1,029.61	1,830.28	2,147.09
25 mph	232.24	273.08	273.06	335.14	763.50	879.72	1,565.40	1,839.11
30 mph	206.13	242.36	242.38	297.66	677.73	780.99	1,390.34	1,633.04
35 mph	191.18	224.73	224.79	276.29	628.55	724.52	1,290.09	1,512.67
40 mph	185.19	217.70	217.74	267.64	608.48	701.43	1,248.25	1,462.17
45 mph	186.24	218.83	218.82	268.91	610.70	703.96	1,253.62	1,463.39
50 mph	191.79	225.32	225.28	276.98	628.64	724.41	1,289.70	1,502.14
55 mph	199.22	234.00	234.04	287.85	654.27	753.88	1,340.64	1,559.67
60 mph	205.04	241.23	241.44	297.36	680.78	784.44	1,394.50	1,619.16
65 mph	210.12	247.55	247.84	305.67	701.39	807.90		
70 mph	213.14	250.72	250.69	311.44	709.81	815.35		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,249.28	5,259.33	5,417.94	4,961.84
10 mph	340.85	699.78	455.43	566.50	850.62	952.19	1,647.17	2,360.47
15 mph	280.35	581.81	377.70	480.36	554.18	632.26	1,295.23	1,835.03
20 mph	229.98	477.64	310.29	398.96	472.84	539.84	1,106.42	1,584.42
25 mph	192.79	398.92	260.15	337.60	419.20	480.89	965.43	1,317.74
30 mph	167.01	343.03	224.93	291.82	380.98	434.06	847.70	1,157.91
35 mph	151.00	307.24	202.96	265.07	381.53	434.71	757.26	1,036.53
40 mph	141.31	286.32	189.41	248.00	371.35	419.16	694.03	952.52
45 mph	136.51	276.20	182.62	238.68	362.40	403.14	657.90	905.70
50 mph	136.90	276.00	182.88	240.01	380.15	418.30	649.30	890.41
55 mph	143.24	288.92	191.21	253.22	396.74	432.36	668.18	926.67
60 mph	155.29	313.34	207.14	274.18	400.66	433.84	713.88	983.17
65 mph	174.62	349.20	232.60	308.23	406.42	435.71		
70 mph	189.44	363.76	249.83	334.37	411.70	442.40		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								4,981.70
10 mph								4,059.48
15 mph								3,406.10
20 mph								2,974.18
25 mph								2,742.55
30 mph								2,594.73
35 mph								2,477.72
40 mph								2,381.73
45 mph								2,300.97
50 mph								2,231.71
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	6,843.95	614.54	3,026.29	1,252.53	1,252.40	420.50	1,319.41	13.88	14,743.51
15 mph	2,237.96	200.99	989.57	409.44	409.42	137.37	360.09	3.80	4,748.64
20 mph	3,722.38	334.27	1,645.89	681.02	680.89	228.52	598.48	6.33	7,897.79
25 mph	15,910.89	1,428.96	7,036.45	2,912.64	2,909.63	976.28	2,815.29	29.81	34,019.94
30 mph	15,534.18	1,395.00	6,870.38	2,845.60	2,841.02	953.38	2,273.13	24.06	32,736.76
35 mph	11,787.78	1,058.35	5,213.31	2,161.03	2,155.80	723.64	949.16	10.03	24,059.09
40 mph	3,806.22	341.75	1,683.30	697.80	695.66	233.52	1,020.42	10.77	8,489.44
45 mph	3,189.76	286.27	1,409.69	584.27	581.83	195.31	819.84	8.63	7,075.60
50 mph	3,284.83	294.76	1,451.29	601.80	598.92	200.98	1,370.58	14.39	7,817.54
55 mph	2,729.76	244.89	1,206.17	500.34	498.67	167.32	328.78	3.45	5,679.37
60 mph	5,619.01	504.91	2,488.68	1,033.72	1,037.75	348.21	341.99	3.58	11,377.84
65 mph	719.77	64.77	319.33	132.83	133.65	44.83	-	-	1,415.17
70 mph	-	-	-	-	-	-	-	-	-
total	75,386.49	6,769.46	33,340.35	13,813.02	13,795.63	4,629.85	12,197.18	128.73	160,060.71

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	566.03	50.83	250.29	216.35	268.56	90.17	-	-	1,442.23
15 mph	462.73	41.56	204.61	176.81	219.49	73.64	-	-	1,178.83
20 mph	384.83	34.56	170.16	147.04	182.51	61.25	1,078.92	11.41	2,070.67
25 mph	657.96	59.09	290.98	251.55	311.96	104.67	1,614.86	17.10	3,308.17
30 mph	1,167.97	104.89	516.56	446.84	553.83	185.85	2,458.74	26.03	5,460.70
35 mph	2,437.29	218.83	1,077.92	933.19	1,155.69	387.93	2,281.46	24.11	8,516.42
40 mph	2,623.29	235.54	1,160.15	1,004.42	1,243.11	417.29	2,023.51	21.36	8,728.69
45 mph	2,110.49	189.41	932.72	807.36	998.12	335.04	1,477.97	15.55	6,866.65
50 mph	2,445.06	219.40	1,080.27	935.54	1,155.86	387.87	760.25	7.98	6,992.24
55 mph	1,411.04	126.59	623.48	540.15	668.32	224.25	395.14	4.14	3,993.11
60 mph	871.36	78.30	385.93	334.79	417.24	140.00	28,771.23	301.08	31,299.93
65 mph	297.65	26.78	132.05	114.72	143.29	48.06	-	-	762.55
70 mph	13,888.62	1,247.80	6,144.20	5,376.55	6,670.57	2,231.34	-	-	35,559.08
total	29,324.31	2,633.57	12,969.31	11,285.29	13,988.55	4,687.38	40,862.08	428.76	116,179.26

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	464.25	158.14	635.51	12.51	1,270.41
15 mph	3,729.44	334.94	1,649.06	592.77	623.83	209.30	575.42	6.07	7,720.83
25 mph	-	-	-	-	841.98	282.51	1,789.66	18.95	2,933.11
35 mph	9,391.06	843.16	4,153.33	1,374.45	-	-	-	-	15,762.00
total	13,120.50	1,178.10	5,802.39	1,967.23	1,930.06	649.96	3,000.59	37.52	27,686.35

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	464.25	158.14	635.51	12.51	1,270.41
10 mph	7,409.98	665.37	3,276.59	1,468.87	1,520.96	510.67	1,319.41	13.88	16,185.74
15 mph	6,430.13	577.48	2,843.24	1,179.03	1,252.74	420.31	935.51	9.87	13,648.30
20 mph	4,107.21	368.83	1,816.05	828.06	863.40	289.78	1,677.40	17.73	9,968.46
25 mph	16,568.85	1,488.05	7,327.42	3,164.19	4,063.57	1,363.46	6,219.81	65.86	40,261.22
30 mph	16,702.15	1,499.89	7,386.94	3,292.44	3,394.85	1,139.23	4,731.87	50.09	38,197.46
35 mph	23,616.12	2,120.34	10,444.56	4,468.67	3,311.49	1,111.57	3,230.61	34.14	48,337.51
40 mph	6,429.51	577.29	2,843.45	1,702.22	1,938.77	650.82	3,043.93	32.14	17,218.13
45 mph	5,300.25	475.68	2,342.41	1,391.63	1,579.95	530.35	2,297.81	24.17	13,942.25
50 mph	5,729.89	514.16	2,531.56	1,537.34	1,754.78	588.85	2,130.84	22.37	14,809.78
55 mph	4,140.79	371.48	1,829.65	1,040.49	1,166.99	391.57	723.93	7.59	9,672.48
60 mph	6,490.36	583.21	2,874.60	1,368.50	1,454.99	488.22	29,113.22	304.66	42,677.77
65 mph	1,017.42	91.55	451.38	247.54	276.94	92.89	-	-	2,177.73
70 mph	13,888.62	1,247.80	6,144.20	5,376.55	6,670.57	2,231.34	-	-	35,559.08
total	117,831.29	10,581.13	52,112.06	27,065.54	29,714.24	9,967.19	56,059.85	595.01	303,926.31

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	68.45	0.14	28.28	40.92	838.22	623.10	4,811.19	12,542.01	18,952.29
15 mph	22.52	0.05	9.38	13.88	218.44	165.49	1,261.07	3,250.04	4,940.87
20 mph	36.95	0.08	15.41	23.05	372.76	282.61	2,154.48	5,612.40	8,497.72
25 mph	154.86	0.31	64.61	97.54	1,652.34	1,258.74	10,339.66	25,672.62	39,240.69
30 mph	147.57	0.30	61.44	92.74	1,651.85	1,249.77	8,253.49	20,507.84	31,965.00
35 mph	109.16	0.22	45.36	68.92	1,353.47	1,024.09	3,317.80	8,261.14	14,180.17
40 mph	34.05	0.07	14.11	21.50	439.13	329.15	3,378.63	8,435.09	12,651.72
45 mph	27.41	0.05	11.34	17.24	357.12	263.81	2,562.21	6,416.38	9,655.56
50 mph	27.49	0.05	11.35	17.34	374.61	273.73	4,109.12	10,250.67	15,064.36
55 mph	23.01	0.05	9.50	14.63	312.77	226.34	975.83	2,461.87	4,023.99
60 mph	49.89	0.10	20.58	31.69	631.70	454.23	1,042.57	2,611.97	4,842.74
65 mph	7.01	0.01	2.89	4.45	80.10	57.02	-	-	151.49
70 mph	-	-	-	-	-	-	-	-	-
total	708.38	1.42	294.25	443.89	8,282.51	6,208.08	42,206.07	106,022.01	164,166.61

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	5.66	0.01	2.34	7.07	179.74	133.61	-	-	328.43
15 mph	4.66	0.01	1.94	5.99	117.10	88.72	-	-	218.42
20 mph	3.82	0.01	1.59	4.98	99.92	75.75	3,883.99	10,117.76	14,187.82
25 mph	6.40	0.01	2.67	8.42	177.16	134.96	5,930.87	14,725.90	20,986.40
30 mph	11.10	0.02	4.62	14.56	322.01	243.63	8,927.41	22,182.34	31,705.69
35 mph	22.57	0.05	9.38	29.76	725.58	549.00	7,974.91	19,857.06	29,168.31
40 mph	23.47	0.05	9.73	30.94	784.70	588.18	6,699.92	16,727.02	24,863.99
45 mph	18.14	0.04	7.50	23.82	612.63	452.56	4,619.03	11,567.15	17,300.86
50 mph	20.46	0.04	8.45	26.95	722.96	528.28	2,279.30	5,685.98	9,272.42
55 mph	11.90	0.02	4.91	15.80	419.17	303.35	1,172.79	2,958.76	4,886.69
60 mph	7.74	0.02	3.19	10.26	253.99	182.63	87,710.24	219,740.72	307,908.79
65 mph	2.90	0.01	1.19	3.85	85.88	61.14	-	-	154.96
70 mph	144.73	0.27	59.01	191.89	4,001.81	2,855.61	-	-	7,253.32
total	283.54	0.55	116.52	374.29	8,502.65	6,197.41	129,198.45	323,562.69	468,236.11

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	388.68	417.78	1,729.20	2,880.76	5,416.42
15 mph	37.53	0.08	15.63	20.09	332.84	252.16	2,015.14	5,193.46	7,866.93
25 mph	-	-	-	-	478.15	364.25	6,572.86	16,319.93	23,735.19
35 mph	86.97	0.17	36.14	43.84	-	-	-	-	167.12
total	124.49	0.25	51.77	63.93	1,199.67	1,034.19	10,317.21	24,394.14	37,185.65

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	388.68	417.78	1,729.20	2,880.76	5,416.42
10 mph	74.11	0.15	30.61	47.99	1,017.96	756.71	4,811.19	12,542.01	19,280.73
15 mph	64.70	0.13	26.95	39.96	668.38	506.38	3,276.21	8,443.50	13,026.22
20 mph	40.77	0.08	17.00	28.03	472.67	358.36	6,038.46	15,730.16	22,685.54
25 mph	161.27	0.33	67.28	105.96	2,307.66	1,757.95	22,843.39	56,718.45	83,962.28
30 mph	158.66	0.32	66.06	107.31	1,973.87	1,493.40	17,180.90	42,690.18	63,670.69
35 mph	218.70	0.44	90.88	142.52	2,079.05	1,573.09	11,292.72	28,118.20	43,515.60
40 mph	57.52	0.11	23.84	52.44	1,223.82	917.32	10,078.55	25,162.11	37,515.71
45 mph	45.55	0.09	18.84	41.06	969.75	716.37	7,181.24	17,983.53	26,956.42
50 mph	47.95	0.09	19.81	44.29	1,097.57	802.01	6,388.43	15,936.64	24,336.78
55 mph	34.91	0.07	14.41	30.43	731.94	529.69	2,148.62	5,420.62	8,910.68
60 mph	57.63	0.11	23.77	41.95	885.69	636.86	88,752.82	222,352.69	312,751.52
65 mph	9.91	0.02	4.08	8.30	165.98	118.16	-	-	306.45
70 mph	144.73	0.27	59.01	191.89	4,001.81	2,855.61	-	-	7,253.32
total	1,116.41	2.22	462.54	882.11	17,984.83	13,439.68	181,721.73	453,978.85	669,588.38

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1,504.14	1,504.14
15 mph								420.68	420.68
20 mph								734.67	734.67
25 mph								3,725.99	3,725.99
30 mph								3,204.71	3,204.71
35 mph								1,377.08	1,377.08
40 mph								1,470.82	1,470.82
45 mph								1,136.75	1,136.75
50 mph								1,791.62	1,791.62
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	15,366.46	15,366.46

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1,324.43	1,324.43
25 mph								2,137.24	2,137.24
30 mph								3,466.38	3,466.38
35 mph								3,310.05	3,310.05
40 mph								2,916.67	2,916.67
45 mph								2,049.29	2,049.29
50 mph								993.80	993.80
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	10,238.10	10,238.10

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								201.69	201.69
15 mph								672.23	672.23
25 mph								2,368.59	2,368.59
35 mph								-	-
total	-	-	-	-	-	-	-	3,242.52	3,242.52

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								201.69	201.69
10 mph								1,504.14	1,504.14
15 mph								1,092.92	1,092.92
20 mph								2,059.10	2,059.10
25 mph								8,231.83	8,231.83
30 mph								6,671.08	6,671.08
35 mph								4,687.13	4,687.13
40 mph								4,387.49	4,387.49
45 mph								3,186.04	3,186.04
50 mph								2,785.42	2,785.42
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	34,806.84	34,806.84

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	852.93	575.92	2,364.71	3,094.96	6,888.52
10 mph	7,484.09	665.52	3,307.20	1,516.86	2,538.92	1,267.38	6,130.61	14,060.03	36,970.60
15 mph	6,494.83	577.61	2,870.19	1,218.99	1,921.12	926.68	4,211.73	9,546.28	27,767.43
20 mph	4,147.98	368.91	1,833.05	856.09	1,336.07	648.14	7,715.86	17,806.99	34,713.10
25 mph	16,730.12	1,488.38	7,394.70	3,270.15	6,371.23	3,121.41	29,063.21	65,016.14	132,455.33
30 mph	16,860.81	1,500.21	7,453.01	3,399.74	5,368.71	2,632.63	21,912.77	49,411.36	108,539.24
35 mph	23,834.82	2,120.78	10,535.44	4,611.20	5,390.55	2,684.65	14,523.33	32,839.48	96,540.24
40 mph	6,487.03	577.41	2,867.29	1,754.66	3,162.60	1,568.14	13,122.47	29,581.73	59,121.33
45 mph	5,345.80	475.77	2,361.25	1,432.69	2,549.70	1,246.72	9,479.05	21,193.74	44,084.71
50 mph	5,777.85	514.25	2,551.37	1,581.62	2,852.34	1,390.86	8,519.26	18,744.43	41,931.99
55 mph	4,175.70	371.54	1,844.06	1,070.91	1,898.93	921.26	2,872.55	5,428.21	18,583.16
60 mph	6,548.00	583.32	2,898.37	1,410.45	2,340.68	1,125.08	117,866.04	222,657.35	355,429.29
65 mph	1,027.33	91.57	455.47	255.84	442.92	211.05	-	-	2,484.18
70 mph	14,033.35	1,248.08	6,203.21	5,568.44	10,672.38	5,086.95	-	-	42,812.40
STREX	399.28	35.99	181.13	330.90	27.99	9.31	26.89	0.29	1,011.78
total	119,346.99	10,619.34	52,755.73	28,278.55	47,727.05	23,416.18	237,808.47	489,380.99	##########

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	42.19	49.79	50.88	62.60	16.63	19.00	32.13	38.22
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	399.28	35.99	181.13	330.90	27.99	9.31	26.89	0.29
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	399.28	35.99	181.13	330.90	27.99	9.31	26.89	0.29

World Logistics Center
Mobile Emissions - 2035 Buildout (Net) - Mitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
44.51	1,341.38	867.49	9.60	12.74	232.45	142.30	387.50	12.15	57.06	55.72	124.93	9.24	118.03	43.69	1,036,666.68

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
8.12	244.80	158.32	1.75	2.33	42.42	25.97	70.72	2.22	10.41	10.17	22.80	1.69	21.54	7.97	189,191.67

World Logistics Center
Mobile Emissions - 2040 Buildout (Net Regional) - Mitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec/NG
LDA	4,601.62	54.48	258.79	239,389.66	2,834.22	13,463.09
LDT1	351.67	0.05	10.90	18,294.94	2.70	567.11
LDT2	1,731.37	16.85	66.53	90,070.71	876.68	3,461.24
MDT	2,478.94	83.41	104.44	37,981.13	1,277.95	1,600.15
LHDT1	783.52	825.23	-	18,432.26	19,413.42	-
LHDT2	227.63	545.82	-	5,354.90	12,840.52	-
MHDT	392.44	2,348.21	-	17,679.65	105,789.29	-
HHDT	3.64	4,263.89	302.36	163.94	192,092.46	13,621.78

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	169,356.18	2,005.07	9,524.46	70,033.48	829.15	3,938.63
LDT1	12,942.76	1.91	401.20	5,352.19	0.79	165.91
LDT2	63,720.51	620.20	2,448.66	26,350.20	256.47	1,012.59
MDT	20,379.98	685.72	858.61	17,601.15	592.23	741.54
LHDT1	8,895.13	9,368.63	-	9,537.12	10,044.79	-
LHDT2	2,584.20	6,196.65	-	2,770.70	6,643.88	-
MHDT	3,838.81	22,970.18	-	13,840.84	82,819.12	-
HHDT	35.60	41,709.30	2,957.72	128.35	150,383.16	10,664.06

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	8,467.81	647.14	3,186.03	1,019.00	444.76	129.21	230.33	2.14	14,126.40
15 mph	3,387.12	258.86	1,274.41	407.60	177.90	51.68	76.78	0.71	5,635.06
20 mph	6,774.25	517.71	2,548.82	815.20	355.81	103.37	153.55	1.42	11,270.13
25 mph	33,871.24	2,588.55	12,744.10	4,076.00	1,779.03	516.84	844.54	7.83	56,428.12
30 mph	37,258.36	2,847.41	14,018.51	4,483.60	1,956.93	568.52	767.76	7.12	61,908.21
35 mph	30,484.11	2,329.70	11,469.69	3,668.40	1,601.12	465.16	345.49	3.20	50,366.87
40 mph	10,161.37	776.57	3,823.23	1,222.80	533.71	155.05	383.88	3.56	17,060.17
45 mph	8,467.81	647.14	3,186.03	1,019.00	444.76	129.21	307.10	2.85	14,203.89
50 mph	8,467.81	647.14	3,186.03	1,019.00	444.76	129.21	499.04	4.63	14,397.61
55 mph	6,774.25	517.71	2,548.82	815.20	355.81	103.37	115.16	1.07	11,231.38
60 mph	13,548.49	1,035.42	5,097.64	1,630.40	711.61	206.74	115.16	1.07	22,346.53
65 mph	1,693.56	129.43	637.21	203.80	88.95	25.84	-	-	2,778.79
70 mph	-	-	-	-	-	-	-	-	-
total	169,356.18	12,942.76	63,720.51	20,379.98	8,895.13	2,584.20	3,838.81	35.60	281,753.17

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	700.33	53.52	263.50	176.01	95.37	27.71	-	-	1,316.45
15 mph	700.33	53.52	263.50	176.01	95.37	27.71	-	-	1,316.45
20 mph	700.33	53.52	263.50	176.01	95.37	27.71	276.82	2.57	1,595.83
25 mph	1,400.67	107.04	527.00	352.02	190.74	55.41	484.43	4.49	3,121.82
30 mph	2,801.34	214.09	1,054.01	704.05	381.48	110.83	830.45	7.70	6,103.95
35 mph	6,303.01	481.70	2,371.52	1,584.10	858.34	249.36	830.45	7.70	12,686.19
40 mph	7,003.35	535.22	2,635.02	1,760.11	953.71	277.07	761.25	7.06	13,932.79
45 mph	5,602.68	428.18	2,108.02	1,408.09	762.97	221.66	553.63	5.13	11,090.36
50 mph	6,303.01	481.70	2,371.52	1,584.10	858.34	249.36	276.82	2.57	12,127.42
55 mph	3,501.67	267.61	1,317.51	880.06	476.86	138.54	138.41	1.28	6,721.93
60 mph	2,101.00	160.57	790.51	528.03	286.11	83.12	9,688.59	89.84	13,727.78
65 mph	700.33	53.52	263.50	176.01	95.37	27.71	-	-	1,316.45
70 mph	32,215.40	2,462.01	12,121.09	8,096.53	4,387.08	1,274.52	-	-	60,556.63
total	70,033.48	5,352.19	26,350.20	17,601.15	9,537.12	2,770.70	13,840.84	128.35	145,614.04

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	53.83	15.64	25.07	0.31	94.85
15 mph	5,353.94	409.17	2,014.43	589.88	270.26	78.52	122.23	1.13	8,839.56
25 mph	-	-	-	-	513.28	149.12	534.87	4.96	1,202.22
35 mph	23,036.03	1,760.49	8,667.34	2,332.27	-	-	-	-	35,796.12
total	28,389.97	2,169.65	10,681.77	2,922.15	783.54	227.63	657.10	6.09	45,837.90

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	53.83	15.64	25.07	0.31	94.85
10 mph	9,168.14	700.66	3,449.53	1,195.01	540.13	156.92	230.33	2.14	15,442.85
15 mph	9,441.40	721.54	3,552.34	1,173.49	543.54	157.91	199.00	1.85	15,791.07
20 mph	7,474.58	571.23	2,812.32	991.21	451.18	131.07	430.37	3.99	12,865.96
25 mph	35,271.91	2,695.59	13,271.11	4,428.02	2,483.05	721.37	1,863.83	17.28	60,752.16
30 mph	40,059.70	3,061.49	15,072.52	5,187.64	2,338.41	679.35	1,598.21	14.82	68,012.15
35 mph	59,823.15	4,571.88	22,508.55	7,584.77	2,459.47	714.52	1,175.94	10.90	98,849.18
40 mph	17,164.72	1,311.78	6,458.25	2,982.91	1,487.42	432.12	1,145.13	10.62	30,992.96
45 mph	14,070.49	1,075.31	5,294.04	2,427.09	1,207.73	350.87	860.74	7.98	25,294.25
50 mph	14,770.82	1,128.83	5,557.54	2,603.10	1,303.10	378.57	775.86	7.19	26,525.03
55 mph	10,275.92	785.32	3,866.33	1,695.26	832.66	241.90	253.57	2.35	17,953.32
60 mph	15,649.50	1,195.99	5,888.15	2,158.43	997.72	289.86	9,803.76	90.91	36,074.31
65 mph	2,393.90	182.95	900.71	379.81	184.32	53.55	-	-	4,095.24
70 mph	32,215.40	2,462.01	12,121.09	8,096.53	4,387.08	1,274.52	-	-	60,556.63
total	267,779.63	20,464.60	100,752.48	40,903.28	19,215.80	5,582.53	18,336.75	170.04	473,205.10

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	100.25	0.10	31.01	34.29	468.43	309.83	1,378.21	2,502.56	4,824.68
15 mph	40.10	0.04	12.40	13.71	187.37	123.93	459.40	834.19	1,671.15
20 mph	80.20	0.08	24.81	27.43	374.75	247.87	918.81	1,668.37	3,342.31
25 mph	401.01	0.38	124.04	137.14	1,873.73	1,239.33	5,053.44	9,176.05	18,005.12
30 mph	441.12	0.42	136.45	150.86	2,061.10	1,363.26	4,594.04	8,341.86	17,089.10
35 mph	360.91	0.34	111.64	123.43	1,686.35	1,115.40	2,067.32	3,753.84	9,219.23
40 mph	120.30	0.11	37.21	41.14	562.12	371.80	2,297.02	4,170.93	7,600.64
45 mph	100.25	0.10	31.01	34.29	468.43	309.83	1,837.61	3,336.74	6,118.27
50 mph	100.25	0.10	31.01	34.29	468.43	309.83	2,986.12	5,422.21	9,352.24
55 mph	80.20	0.08	24.81	27.43	374.75	247.87	689.11	1,251.28	2,695.51
60 mph	160.41	0.15	49.62	54.86	749.49	495.73	689.11	1,251.28	3,450.64
65 mph	20.05	0.02	6.20	6.86	93.69	61.97	-	-	188.78
70 mph	-	-	-	-	-	-	-	-	-
total	2,005.07	1.91	620.20	685.72	9,368.63	6,196.65	22,970.18	41,709.30	83,557.66

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	8.29	0.01	2.56	5.92	100.45	66.44	-	-	183.67
15 mph	8.29	0.01	2.56	5.92	100.45	66.44	-	-	183.67
20 mph	8.29	0.01	2.56	5.92	100.45	66.44	1,656.38	3,007.66	4,847.72
25 mph	16.58	0.02	5.13	11.84	200.90	132.88	2,898.67	5,263.41	8,529.43
30 mph	33.17	0.03	10.26	23.69	401.79	265.76	4,969.15	9,022.99	14,726.83
35 mph	74.62	0.07	23.08	53.30	904.03	597.95	4,969.15	9,022.99	15,645.19
40 mph	82.92	0.08	25.65	59.22	1,004.48	664.39	4,555.05	8,271.07	14,662.86
45 mph	66.33	0.06	20.52	47.38	803.58	531.51	3,312.76	6,015.33	10,797.48
50 mph	74.62	0.07	23.08	53.30	904.03	597.95	1,656.38	3,007.66	6,317.10
55 mph	41.46	0.04	12.82	29.61	502.24	332.19	828.19	1,503.83	3,250.39
60 mph	24.87	0.02	7.69	17.77	301.34	199.32	57,973.38	105,268.21	163,792.61
65 mph	8.29	0.01	2.56	5.92	100.45	66.44	-	-	183.67
70 mph	381.41	0.36	117.98	272.42	4,620.60	3,056.18	-	-	8,448.96
total	829.15	0.79	256.47	592.23	10,044.79	6,643.88	82,819.12	150,383.16	251,569.58

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	56.69	37.50	150.03	272.43	516.66
15 mph	63.39	0.06	19.61	19.85	284.65	188.27	731.38	1,328.03	2,635.23
25 mph	-	-	-	-	540.60	357.57	3,200.47	5,811.42	9,910.06
35 mph	272.73	0.26	84.36	78.47	-	-	-	-	435.83
total	336.12	0.32	103.97	98.32	825.25	545.84	3,931.84	7,139.45	12,981.12

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	56.69	37.50	150.03	272.43	516.66
10 mph	108.55	0.10	33.57	40.21	568.88	376.27	1,378.21	2,502.56	5,008.35
15 mph	111.78	0.11	34.58	39.48	572.47	378.64	1,190.78	2,162.22	4,490.06
20 mph	88.49	0.08	27.37	33.35	475.19	314.30	2,575.19	4,676.04	8,190.03
25 mph	417.60	0.40	129.17	148.99	2,615.22	1,729.77	11,152.58	20,250.88	36,444.61
30 mph	474.28	0.45	146.70	174.55	2,462.89	1,629.02	9,563.18	17,364.85	31,815.93
35 mph	708.27	0.68	219.08	255.20	2,590.38	1,713.35	7,036.46	12,776.83	25,300.25
40 mph	203.22	0.19	62.86	100.37	1,566.60	1,036.19	6,852.07	12,442.00	22,263.49
45 mph	166.59	0.16	51.53	81.66	1,272.01	841.34	5,150.38	9,352.07	16,915.74
50 mph	174.88	0.17	54.09	87.59	1,372.46	907.78	4,642.51	8,429.87	15,669.34
55 mph	121.66	0.12	37.63	57.04	876.98	580.06	1,517.30	2,755.11	5,945.90
60 mph	185.28	0.18	57.31	72.62	1,050.83	695.05	58,662.49	106,519.49	167,243.25
65 mph	28.34	0.03	8.77	12.78	194.13	128.41	-	-	372.45
70 mph	381.41	0.36	117.98	272.42	4,620.60	3,056.18	-	-	8,448.96
total	3,170.34	3.02	980.64	1,376.27	20,238.67	13,386.36	109,721.14	199,231.91	348,108.36

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	476.22	20.06	122.43	42.93	-	-	-	177.46	839.11
15 mph	190.49	8.02	48.97	17.17	-	-	-	59.15	323.81
20 mph	380.98	16.05	97.95	34.34	-	-	-	118.31	647.63
25 mph	1,904.89	80.24	489.73	171.72	-	-	-	650.70	3,297.28
30 mph	2,095.38	88.26	538.70	188.89	-	-	-	591.54	3,502.79
35 mph	1,714.40	72.22	440.76	154.55	-	-	-	266.19	2,648.12
40 mph	571.47	24.07	146.92	51.52	-	-	-	295.77	1,089.75
45 mph	476.22	20.06	122.43	42.93	-	-	-	236.62	898.26
50 mph	476.22	20.06	122.43	42.93	-	-	-	384.50	1,046.15
55 mph	380.98	16.05	97.95	34.34	-	-	-	88.73	618.05
60 mph	761.96	32.10	195.89	68.69	-	-	-	88.73	1,147.37
65 mph	95.24	4.01	24.49	8.59	-	-	-	-	132.33
70 mph	-	-	-	-	-	-	-	-	-
total	9,524.46	401.20	2,448.66	858.61	-	-	-	2,957.72	16,190.64

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	39.39	1.66	10.13	7.42	-	-	-	-	58.59
15 mph	39.39	1.66	10.13	7.42	-	-	-	-	58.59
20 mph	39.39	1.66	10.13	7.42	-	-	-	213.28	271.87
25 mph	78.77	3.32	20.25	14.83	-	-	-	373.24	490.42
30 mph	157.55	6.64	40.50	29.66	-	-	-	639.84	874.19
35 mph	354.48	14.93	91.13	66.74	-	-	-	639.84	1,167.12
40 mph	393.86	16.59	101.26	74.15	-	-	-	586.52	1,172.39
45 mph	315.09	13.27	81.01	59.32	-	-	-	426.56	895.26
50 mph	354.48	14.93	91.13	66.74	-	-	-	213.28	740.56
55 mph	196.93	8.30	50.63	37.08	-	-	-	106.64	399.57
60 mph	118.16	4.98	30.38	22.25	-	-	-	7,464.84	7,640.60
65 mph	39.39	1.66	10.13	7.42	-	-	-	-	58.59
70 mph	1,811.77	76.32	465.79	341.11	-	-	-	-	2,694.98
total	3,938.63	165.91	1,012.59	741.54	-	-	-	10,664.06	16,522.72

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	19.32	19.32
15 mph	301.10	12.68	77.41	24.85	-	-	-	94.17	510.22
25 mph	-	-	-	-	-	-	-	412.10	412.10
35 mph	1,295.53	54.57	333.07	98.26	-	-	-	-	1,781.43
total	1,596.63	67.25	410.48	123.11	-	-	-	506.28	2,703.75

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	19.32	19.32
10 mph	515.61	21.72	132.56	50.35	-	-	-	177.46	897.70
15 mph	530.98	22.37	136.51	49.44	-	-	-	153.33	892.62
20 mph	420.36	17.71	108.07	41.76	-	-	-	331.59	919.49
25 mph	1,983.67	83.56	509.98	186.55	-	-	-	1,436.04	4,199.80
30 mph	2,252.93	94.90	579.21	218.56	-	-	-	1,231.39	4,376.98
35 mph	3,364.41	141.72	864.96	319.55	-	-	-	906.04	5,596.67
40 mph	965.33	40.66	248.18	125.67	-	-	-	882.29	2,262.14
45 mph	791.31	33.33	203.44	102.25	-	-	-	663.18	1,793.52
50 mph	830.70	34.99	213.57	109.67	-	-	-	597.78	1,786.71
55 mph	577.91	24.34	148.58	71.42	-	-	-	195.37	1,017.62
60 mph	880.12	37.07	226.27	90.94	-	-	-	7,553.57	8,787.97
65 mph	134.63	5.67	34.61	16.00	-	-	-	-	190.92
70 mph	1,811.77	76.32	465.79	341.11	-	-	-	-	2,694.98
total	9,067.95	381.97	2,331.29	866.20	-	-	-	4,235.85	35,417.12

World Logistics Center
Mobile Emissions - 2035 Buildout (Net) - Mitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	26957	330	0.21	5661.1	5300.2	62.8	298.1
	LDT1	15	1989	330	0.21	417.7	405.1	0.1	12.6
	LDT2	15	9954	330	0.21	2090.3	1994.2	19.4	76.6
	MDT	15	2999	330	0.21	629.8	585.4	19.7	24.7
	LHDT1	15	2635	330	0.21	553.3	269.5	283.8	0.0
	LHDT2	15	1267	330	0.21	266.0	78.3	187.7	0.0
	MHDT	15	4034	330	0.21	847.1	121.3	725.8	0.0
	HHDT	15	6726	330	0.21	1412.5	1.1	1317.9	93.5
Travel at Light Logistics	LDA	15	194	175	0.11	21.3	19.9	0.2	1.1
	LDT1	15	14	175	0.11	1.6	1.5	0.0	0.0
	LDT2	15	72	175	0.11	7.9	7.5	0.1	0.3
	MDT	15	18	175	0.11	2.0	1.9	0.1	0.1
	LHDT1	15	11	175	0.11	1.2	0.6	0.6	0.0
	LHDT2	15	5	175	0.11	0.6	0.2	0.4	0.0
	MHDT	15	13	175	0.11	1.4	0.2	1.2	0.0
	HHDT	15	22	175	0.11	2.4	0.0	2.2	0.2
Travel at Utility	LDA	15	219	100	0.06	13.1	12.3	0.1	0.7
	LDT1	15	16	100	0.06	1.0	0.9	0.0	0.0
	LDT2	15	81	100	0.06	4.9	4.6	0.0	0.2
	MDT	15	47	100	0.06	2.8	2.6	0.1	0.1
	LHDT1	15	7	100	0.06	0.4	0.2	0.2	0.0
	LHDT2	15	3	100	0.06	0.2	0.1	0.1	0.0
	MHDT	15	14	100	0.06	0.8	0.1	0.7	0.0
	HHDT	15	23	100	0.06	1.4	0.0	1.3	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	142	50	0.03	4.3	0.6	3.7	0.0
	HHDT	15	237	50	0.03	7.1	0.0	6.6	0.5
Travel at Convenience Store	LDA	15	669	50	0.03	20.1	18.8	0.2	1.1
	LDT1	15	49	50	0.03	1.5	1.4	0.0	0.0
	LDT2	15	247	50	0.03	7.4	7.1	0.1	0.3
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	95	50	0.03	2.8	2.7	0.0	0.1
	LDT1	15	7	50	0.03	0.2	0.2	0.0	0.0
	LDT2	15	35	50	0.03	1.1	1.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5353.9	409.2	2014.4	589.9	270.3	78.5	122.2	1.1
Diesel	63.4	0.1	19.6	19.8	284.6	188.3	731.4	1328.0
Electric/Natural Gas (HHDT Only)	301.1	12.7	77.4	24.9	0.0	0.0	0.0	94.2

World Logistics Center
Mobile Emissions - 2035 Buildout (Net) - Mitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	1317	642	676	0	3208.2	3378.9	0.0
	LHDT2	5	633	186	447	0	932.0	2234.9	0.0
	MHDT	5	2017	289	1728	0	1444.0	8640.4	0.0
	HHDT	5	3363	3	3138	223	13.4	15689.2	1112.6
Travel at Light Logistics	LHDT1	5	5	3	3	0	12.9	13.6	0.0
	LHDT2	5	3	1	2	0	3.7	9.0	0.0
	MHDT	5	7	1	6	0	4.7	27.9	0.0
	HHDT	5	11	0	10	1	0.0	50.7	3.6
Travel at Utility	LHDT1	5	4	2	2	0	8.7	9.1	0.0
	LHDT2	5	2	1	1	0	2.5	6.0	0.0
	MHDT	5	7	1	6	0	4.9	29.1	0.0
	HHDT	5	11	0	11	1	0.0	52.8	3.7
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	71	10	61	0	50.9	304.6	0.0
	HHDT	5	119	0	111	8	0.5	553.2	39.2
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	53.8	15.6	25.1	0.3
Diesel	56.7	37.5	150.0	272.4
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	19.3

World Logistics Center
Mobile Emissions - 2035 Buildout (Net) - Mitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					12.7986	12.9950	27.1841	10.4327
10 mph	0.0109	0.0198	0.0203	0.0225	0.0208	0.0183	0.0470	1.3118
15 mph	0.0072	0.0133	0.0136	0.0150	0.0136	0.0121	0.0313	0.8720
20 mph	0.0051	0.0094	0.0096	0.0106	0.0096	0.0085	0.0219	0.6104
25 mph	0.0037	0.0070	0.0071	0.0078	0.0071	0.0062	0.0162	0.4509
30 mph	0.0029	0.0054	0.0055	0.0061	0.0055	0.0049	0.0126	0.3512
35 mph	0.0024	0.0045	0.0045	0.0050	0.0045	0.0040	0.0103	0.2887
40 mph	0.0021	0.0039	0.0039	0.0044	0.0039	0.0035	0.0090	0.2507
45 mph	0.0019	0.0036	0.0036	0.0040	0.0036	0.0032	0.0082	0.2296
50 mph	0.0018	0.0034	0.0034	0.0038	0.0035	0.0031	0.0079	0.2216
55 mph	0.0019	0.0035	0.0035	0.0039	0.0035	0.0031	0.0080	0.2251
60 mph	0.0020	0.0036	0.0036	0.0041	0.0038	0.0033	0.0086	0.2405
65 mph	0.0022	0.0040	0.0040	0.0045	0.0043	0.0037		
70 mph	0.0024	0.0045	0.0042	0.0050	0.0048	0.0040		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5053	2.3680
10 mph	0.0681	0.2055	0.1974	0.0778	0.5591	0.5616	0.0330	0.0808
15 mph	0.0332	0.1062	0.0964	0.0381	0.2761	0.2780	0.0184	0.0444
20 mph	0.0130	0.0476	0.0375	0.0149	0.1114	0.1129	0.0125	0.0281
25 mph	0.0078	0.0307	0.0225	0.0090	0.0683	0.0695	0.0098	0.0228
30 mph	0.0059	0.0235	0.0170	0.0068	0.0522	0.0532	0.0079	0.0184
35 mph	0.0047	0.0187	0.0135	0.0054	0.0423	0.0431	0.0065	0.0152
40 mph	0.0039	0.0159	0.0111	0.0045	0.0354	0.0362	0.0056	0.0131
45 mph	0.0033	0.0141	0.0094	0.0038	0.0306	0.0313	0.0052	0.0121
50 mph	0.0029	0.0127	0.0082	0.0033	0.0272	0.0280	0.0052	0.0121
55 mph	0.0025	0.0121	0.0072	0.0029	0.0245	0.0253	0.0057	0.0134
60 mph	0.0024	0.0123	0.0068	0.0028	0.0238	0.0246	0.0067	0.0156
65 mph	0.0024	0.0124	0.0068	0.0028	0.0250	0.0260		
70 mph	0.0025	0.0089	0.0068	0.0029	0.0336	0.0343		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0407
10 mph								0.2888
15 mph								0.1877
20 mph								0.1254
25 mph								0.0923
30 mph								0.0696
35 mph								0.0526
40 mph								0.0401
45 mph								0.0308
50 mph								0.0241
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.2030	0.0283	0.1423	0.0505	0.0204	0.0052	0.0239	0.0062	0.4798
15 mph	0.0540	0.0076	0.0382	0.0135	0.0054	0.0014	0.0053	0.0014	0.1266
20 mph	0.0757	0.0107	0.0538	0.0190	0.0075	0.0019	0.0074	0.0019	0.1781
25 mph	0.2787	0.0398	0.1986	0.0705	0.0277	0.0071	0.0301	0.0078	0.6604
30 mph	0.2380	0.0342	0.1695	0.0604	0.0237	0.0061	0.0213	0.0055	0.5587
35 mph	0.1594	0.0229	0.1131	0.0406	0.0160	0.0041	0.0079	0.0020	0.3659
40 mph	0.0461	0.0066	0.0327	0.0117	0.0046	0.0012	0.0076	0.0020	0.1126
45 mph	0.0353	0.0051	0.0250	0.0090	0.0035	0.0009	0.0056	0.0014	0.0858
50 mph	0.0341	0.0049	0.0240	0.0086	0.0034	0.0009	0.0087	0.0023	0.0869
55 mph	0.0277	0.0039	0.0194	0.0070	0.0028	0.0007	0.0020	0.0005	0.0641
60 mph	0.0584	0.0083	0.0408	0.0147	0.0059	0.0015	0.0022	0.0006	0.1324
65 mph	0.0082	0.0011	0.0056	0.0020	0.0008	0.0002	-	-	0.0180
70 mph	-	-	-	-	-	-	-	-	-
total	1.2185	0.1735	0.8630	0.3076	0.1218	0.0313	0.1220	0.0316	2.8693

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0168	0.0023	0.0118	0.0087	0.0044	0.0011	-	-	0.0451
15 mph	0.0112	0.0016	0.0079	0.0058	0.0029	0.0007	-	-	0.0300
20 mph	0.0078	0.0011	0.0056	0.0041	0.0020	0.0005	0.0134	0.0035	0.0380
25 mph	0.0115	0.0016	0.0082	0.0061	0.0030	0.0008	0.0173	0.0045	0.0530
30 mph	0.0179	0.0026	0.0127	0.0095	0.0046	0.0012	0.0230	0.0060	0.0775
35 mph	0.0329	0.0047	0.0234	0.0175	0.0086	0.0022	0.0189	0.0049	0.1132
40 mph	0.0318	0.0046	0.0225	0.0169	0.0083	0.0021	0.0150	0.0039	0.1052
45 mph	0.0234	0.0034	0.0165	0.0124	0.0061	0.0016	0.0100	0.0026	0.0759
50 mph	0.0254	0.0036	0.0178	0.0134	0.0066	0.0017	0.0048	0.0013	0.0747
55 mph	0.0143	0.0020	0.0100	0.0076	0.0037	0.0010	0.0025	0.0006	0.0417
60 mph	0.0091	0.0013	0.0063	0.0048	0.0024	0.0006	0.1836	0.0477	0.2556
65 mph	0.0034	0.0005	0.0023	0.0018	0.0009	0.0002	-	-	0.0091
70 mph	0.1721	0.0246	0.1111	0.0892	0.0469	0.0111	-	-	0.4550
total	0.3775	0.0539	0.2563	0.1978	0.1003	0.0248	0.2885	0.0748	1.3739

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.5191	0.4481	1.5030	0.0071	3.4773
15 mph	0.0853	0.0120	0.0603	0.0195	0.0081	0.0021	0.0084	0.0022	0.1980
25 mph	-	-	-	-	0.0080	0.0021	0.0191	0.0049	0.0341
35 mph	0.1204	0.0173	0.0854	0.0258	-	-	-	-	0.2490
total	0.2057	0.0293	0.1458	0.0453	1.5352	0.4522	1.5305	0.0142	3.9583

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.5191	0.4481	1.5030	0.0071	3.4773
10 mph	0.2198	0.0306	0.1540	0.0593	0.0248	0.0063	0.0239	0.0062	0.5249
15 mph	0.1504	0.0211	0.1064	0.0388	0.0164	0.0042	0.0137	0.0035	0.3546
20 mph	0.0835	0.0118	0.0594	0.0232	0.0095	0.0025	0.0208	0.0054	0.2160
25 mph	0.2902	0.0415	0.2069	0.0766	0.0386	0.0099	0.0665	0.0172	0.7474
30 mph	0.2559	0.0367	0.1823	0.0699	0.0283	0.0073	0.0444	0.0115	0.6363
35 mph	0.3127	0.0450	0.2219	0.0839	0.0246	0.0063	0.0268	0.0069	0.7281
40 mph	0.0779	0.0112	0.0552	0.0287	0.0129	0.0033	0.0226	0.0059	0.2177
45 mph	0.0587	0.0084	0.0415	0.0214	0.0096	0.0025	0.0156	0.0040	0.1618
50 mph	0.0595	0.0085	0.0418	0.0221	0.0100	0.0026	0.0135	0.0035	0.1615
55 mph	0.0420	0.0060	0.0295	0.0146	0.0065	0.0017	0.0045	0.0012	0.1059
60 mph	0.0675	0.0095	0.0471	0.0194	0.0083	0.0021	0.1857	0.0482	0.3880
65 mph	0.0115	0.0016	0.0080	0.0038	0.0017	0.0004	-	-	0.0271
70 mph	0.1721	0.0246	0.1111	0.0892	0.0469	0.0111	-	-	0.4550
total	1.8017	0.2567	1.2650	0.5507	1.7574	0.5083	1.9410	0.1206	8.2015

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0150	0.0000	0.0135	0.0059	0.5775	0.3837	0.1004	0.4457	1.5419
15 mph	0.0029	0.0000	0.0026	0.0012	0.1141	0.0760	0.0186	0.0817	0.2970
20 mph	0.0023	0.0000	0.0021	0.0009	0.0920	0.0617	0.0253	0.1035	0.2877
25 mph	0.0069	0.0000	0.0062	0.0027	0.2821	0.1899	0.1091	0.4612	1.0581
30 mph	0.0058	0.0000	0.0051	0.0023	0.2375	0.1600	0.0803	0.3390	0.8299
35 mph	0.0038	0.0000	0.0033	0.0015	0.1571	0.1060	0.0297	0.1257	0.4271
40 mph	0.0010	0.0000	0.0009	0.0004	0.0439	0.0297	0.0284	0.1202	0.2245
45 mph	0.0007	0.0000	0.0006	0.0003	0.0316	0.0214	0.0209	0.0887	0.1643
50 mph	0.0006	0.0000	0.0006	0.0003	0.0281	0.0191	0.0341	0.1444	0.2272
55 mph	0.0004	0.0000	0.0004	0.0002	0.0202	0.0138	0.0086	0.0370	0.0807
60 mph	0.0008	0.0000	0.0007	0.0003	0.0393	0.0269	0.0101	0.0430	0.1212
65 mph	0.0001	0.0000	0.0001	0.0000	0.0052	0.0035	-	-	0.0089
70 mph	-	-	-	-	-	-	-	-	-
total	0.0405	0.0001	0.0361	0.0159	1.6286	1.0916	0.4656	1.9902	5.2686

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0012	0.0000	0.0011	0.0010	0.1238	0.0823	-	-	0.2095
15 mph	0.0006	0.0000	0.0005	0.0005	0.0611	0.0407	-	-	0.1035
20 mph	0.0002	0.0000	0.0002	0.0002	0.0247	0.0165	0.0456	0.1865	0.2739
25 mph	0.0003	0.0000	0.0003	0.0002	0.0302	0.0204	0.0626	0.2645	0.3785
30 mph	0.0004	0.0000	0.0004	0.0004	0.0463	0.0312	0.0868	0.3667	0.5322
35 mph	0.0008	0.0000	0.0007	0.0006	0.0842	0.0568	0.0715	0.3022	0.5168
40 mph	0.0007	0.0000	0.0006	0.0006	0.0785	0.0530	0.0563	0.2384	0.4281
45 mph	0.0005	0.0000	0.0004	0.0004	0.0543	0.0367	0.0377	0.1599	0.2899
50 mph	0.0005	0.0000	0.0004	0.0004	0.0543	0.0369	0.0189	0.0801	0.1914
55 mph	0.0002	0.0000	0.0002	0.0002	0.0271	0.0185	0.0104	0.0445	0.1011
60 mph	0.0001	0.0000	0.0001	0.0001	0.0158	0.0108	0.8521	3.6203	4.4994
65 mph	0.0000	0.0000	0.0000	0.0000	0.0055	0.0038	-	-	0.0095
70 mph	0.0021	0.0000	0.0018	0.0018	0.3420	0.2314	-	-	0.5790
total	0.0078	0.0000	0.0068	0.0064	0.9478	0.6389	1.2419	5.2632	8.1128

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3967	0.2624	0.1672	1.4225	2.2487
15 mph	0.0046	0.0000	0.0042	0.0017	0.1733	0.1154	0.0296	0.1300	0.4588
25 mph	-	-	-	-	0.0814	0.0548	0.0691	0.2921	0.4974
35 mph	0.0028	0.0000	0.0025	0.0009	-	-	-	-	0.0063
total	0.0075	0.0000	0.0067	0.0026	0.6513	0.4325	0.2659	1.8446	3.2112

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3967	0.2624	0.1672	1.4225	2.2487
10 mph	0.0163	0.0000	0.0146	0.0069	0.7013	0.4660	0.1004	0.4457	1.7514
15 mph	0.0082	0.0000	0.0073	0.0033	0.3485	0.2321	0.0482	0.2117	0.8594
20 mph	0.0025	0.0000	0.0023	0.0011	0.1167	0.0782	0.0708	0.2899	0.5616
25 mph	0.0072	0.0000	0.0064	0.0029	0.3937	0.2650	0.2408	1.0178	1.9340
30 mph	0.0062	0.0000	0.0055	0.0026	0.2837	0.1912	0.1671	0.7058	1.3621
35 mph	0.0074	0.0000	0.0065	0.0031	0.2413	0.1628	0.1013	0.4279	0.9502
40 mph	0.0017	0.0000	0.0015	0.0010	0.1224	0.0826	0.0847	0.3587	0.6526
45 mph	0.0012	0.0000	0.0011	0.0007	0.0859	0.0581	0.0585	0.2486	0.4542
50 mph	0.0011	0.0000	0.0010	0.0006	0.0824	0.0560	0.0531	0.2244	0.4186
55 mph	0.0007	0.0000	0.0006	0.0004	0.0473	0.0323	0.0190	0.0815	0.1818
60 mph	0.0010	0.0000	0.0009	0.0004	0.0550	0.0377	0.8623	3.6633	4.6206
65 mph	0.0002	0.0000	0.0001	0.0001	0.0107	0.0074	-	-	0.0184
70 mph	0.0021	0.0000	0.0018	0.0018	0.3420	0.2314	-	-	0.5790
total	0.0557	0.0002	0.0496	0.0249	3.2277	2.1631	1.9733	9.0979	16.5925

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1130	0.1130
15 mph								0.0245	0.0245
20 mph								0.0327	0.0327
25 mph								0.1325	0.1325
30 mph								0.0908	0.0908
35 mph								0.0309	0.0309
40 mph								0.0261	0.0261
45 mph								0.0161	0.0161
50 mph								0.0205	0.0205
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.4871	0.4871

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0590	0.0590
25 mph								0.0760	0.0760
30 mph								0.0982	0.0982
35 mph								0.0743	0.0743
40 mph								0.0518	0.0518
45 mph								0.0290	0.0290
50 mph								0.0114	0.0114
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.3074	0.3074

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0017	0.0017
15 mph								0.0390	0.0390
25 mph								0.0839	0.0839
35 mph								-	-
total	-	-	-	-	-	-	-	0.1246	0.1246

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0017	0.0017
10 mph								0.1130	0.1130
15 mph								0.0635	0.0635
20 mph								0.0917	0.0917
25 mph								0.2924	0.2924
30 mph								0.1889	0.1889
35 mph								0.1052	0.1052
40 mph								0.0779	0.0779
45 mph								0.0451	0.0451
50 mph								0.0318	0.0318
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.0113	1.0113

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3118	1.0760	0.5558	0.6031	1.0363	0.9837	0.5746	1.6235
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS + HOTSOAK Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	3.1632	0.8343	2.1217	3.2967	1.7904	0.4938	0.4972	0.0130
Electric/NG	-	-	-	-	-	-	-	-
Total	**3.1632**	**0.8343**	**2.1217**	**3.2967**	**1.7904**	**0.4938**	**0.4972**	**0.0130**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2366	0.4106	0.4414	0.6164	0.0551	0.0535	0.0484	0.0421
Electric/NG	0.0317	0.0314	0.0315	0.0315	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.2006	0.1592	0.8426	1.6847	0.0476	0.0134	0.0210	0.0002
Electric/NG	0.0090	0.0004	0.0023	0.0036	-	-	-	-
Total	1.2096	0.1596	0.8449	1.6883	0.0476	0.0134	0.0210	0.0002

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0893	0.1100	0.1284	0.1428	0.0540	0.0531	0.1521	0.0013
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.9060	0.0853	0.4902	0.7807	0.0933	0.0267	0.1316	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.9060	0.0853	0.4902	0.7807	0.0933	0.0267	0.1316	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.9158	0.7105	1.6701	1.4314	5.7277
10 mph	0.2361	0.0306	0.1686	0.0662	0.7261	0.4723	0.1243	0.5649	2.3893
15 mph	0.1586	0.0212	0.1137	0.0421	0.3648	0.2363	0.0619	0.2788	1.2775
20 mph	0.0860	0.0119	0.0616	0.0242	0.1263	0.0807	0.0916	0.3870	0.8694
25 mph	0.2974	0.0415	0.2133	0.0795	0.4324	0.2750	0.3073	1.3274	2.9738
30 mph	0.2621	0.0368	0.1878	0.0725	0.3121	0.1985	0.2114	0.9062	2.1873
35 mph	0.3201	0.0450	0.2284	0.0869	0.2659	0.1691	0.1280	0.5400	1.7835
40 mph	0.0796	0.0112	0.0568	0.0297	0.1353	0.0860	0.1073	0.4425	0.9483
45 mph	0.0599	0.0084	0.0426	0.0221	0.0955	0.0606	0.0741	0.2977	0.6610
50 mph	0.0606	0.0085	0.0428	0.0227	0.0925	0.0585	0.0666	0.2598	0.6119
55 mph	0.0427	0.0060	0.0300	0.0149	0.0538	0.0340	0.0235	0.0826	0.2876
60 mph	0.0685	0.0096	0.0480	0.0199	0.0633	0.0398	1.0480	3.7115	5.0086
65 mph	0.0117	0.0016	0.0081	0.0039	0.0124	0.0078	-	-	0.0455
70 mph	0.1742	0.0246	0.1129	0.0910	0.3889	0.2425	-	-	1.0340
RL+HS	3.1632	0.8343	2.1217	3.2967	1.7904	0.4938	0.4972	0.0130	12.2104
RL+DIURN	1.2096	0.1596	0.8449	1.6883	0.0476	0.0134	0.0210	0.0002	3.9845
STREX	0.9060	0.0853	0.4902	0.7807	0.0933	0.0267	0.1316	0.0000	2.5137
total	7.1362	1.3361	4.7714	6.3413	6.9164	3.2052	4.5641	10.2431	**44.5139**

World Logistics Center
Mobile Emissions - 2035 Buildout (Net) - Mitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.1149	1.1316	2.4126	26.9577
10 mph	0.0279	0.0402	0.0412	0.0453	0.0763	0.0818	0.1589	4.6871
15 mph	0.0245	0.0351	0.0360	0.0394	0.0662	0.0710	0.1405	4.1354
20 mph	0.0220	0.0314	0.0322	0.0352	0.0599	0.0643	0.1259	3.7102
25 mph	0.0201	0.0285	0.0291	0.0319	0.0544	0.0583	0.1149	3.3847
30 mph	0.0186	0.0264	0.0268	0.0295	0.0506	0.0543	0.1065	3.1388
35 mph	0.0176	0.0248	0.0251	0.0277	0.0480	0.0515	0.1000	2.9536
40 mph	0.0168	0.0237	0.0239	0.0265	0.0459	0.0493	0.0955	2.8195
45 mph	0.0162	0.0230	0.0232	0.0257	0.0445	0.0477	0.0925	2.7334
50 mph	0.0161	0.0228	0.0229	0.0255	0.0441	0.0471	0.0913	2.6999
55 mph	0.0162	0.0232	0.0234	0.0260	0.0446	0.0476	0.0920	2.7224
60 mph	0.0169	0.0243	0.0245	0.0272	0.0461	0.0494	0.0950	2.8093
65 mph	0.0177	0.0256	0.0256	0.0287	0.0486	0.0518		
70 mph	0.0187	0.0275	0.0256	0.0304	0.0541	0.0537		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					31.7626	32.4443	29.2505	27.9978
10 mph	0.0426	0.2174	0.1258	0.0483	0.3486	0.3772	5.3171	10.7463
15 mph	0.0288	0.1867	0.0842	0.0327	0.2640	0.2926	3.7199	7.4221
20 mph	0.0193	0.1647	0.0555	0.0219	0.2297	0.2579	2.9497	5.3011
25 mph	0.0149	0.1526	0.0422	0.0170	0.2083	0.2374	2.2972	4.3269
30 mph	0.0126	0.1436	0.0352	0.0145	0.2089	0.2384	1.7139	3.2272
35 mph	0.0111	0.1331	0.0305	0.0129	0.2190	0.2480	1.2475	2.3485
40 mph	0.0100	0.1322	0.0271	0.0117	0.2268	0.2563	0.8978	1.6953
45 mph	0.0092	0.1347	0.0246	0.0108	0.2349	0.2651	0.6661	1.2609
50 mph	0.0086	0.1330	0.0226	0.0102	0.2461	0.2780	0.5537	1.0385
55 mph	0.0081	0.1388	0.0211	0.0096	0.2394	0.2744	0.5601	1.0701
60 mph	0.0080	0.1451	0.0204	0.0094	0.2451	0.2797	0.6850	1.2921
65 mph	0.0080	0.1353	0.0205	0.0096	0.2715	0.3096		
70 mph	0.0087	0.0675	0.0208	0.0111	0.5731	0.5993		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								29.7310
10 mph								1.7921
15 mph								1.2992
20 mph								0.9835
25 mph								0.7999
30 mph								0.6903
35 mph								0.6149
40 mph								0.5604
45 mph								0.5201
50 mph								0.4903
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.5211	0.0573	0.2892	0.1018	0.0749	0.0233	0.0807	0.0221	1.1704
15 mph	0.1829	0.0200	0.1012	0.0354	0.0260	0.0081	0.0238	0.0065	0.4038
20 mph	0.3287	0.0358	0.1809	0.0633	0.0470	0.0146	0.0426	0.0116	0.7247
25 mph	1.4987	0.1627	0.8186	0.2867	0.2132	0.0665	0.2140	0.0584	3.3188
30 mph	1.5302	0.1656	0.8292	0.2914	0.2184	0.0681	0.1802	0.0493	3.3326
35 mph	1.1803	0.1275	0.6340	0.2241	0.1693	0.0528	0.0762	0.0209	2.4851
40 mph	0.3759	0.0406	0.2016	0.0714	0.0540	0.0168	0.0808	0.0221	0.8633
45 mph	0.3032	0.0328	0.1629	0.0577	0.0437	0.0136	0.0627	0.0172	0.6937
50 mph	0.2998	0.0325	0.1609	0.0572	0.0433	0.0134	0.1005	0.0275	0.7352
55 mph	0.2426	0.0265	0.1312	0.0467	0.0350	0.0108	0.0234	0.0064	0.5227
60 mph	0.5045	0.0555	0.2753	0.0979	0.0724	0.0225	0.0241	0.0066	1.0588
65 mph	0.0660	0.0073	0.0360	0.0129	0.0095	0.0029	-	-	0.1346
70 mph	-	-	-	-	-	-	-	-	-
total	7.0339	0.7643	3.8211	1.3464	1.0067	0.3136	0.9090	0.2487	15.4437

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0431	0.0047	0.0239	0.0176	0.0161	0.0050	-	-	0.1104
15 mph	0.0378	0.0041	0.0209	0.0153	0.0139	0.0043	-	-	0.0964
20 mph	0.0340	0.0037	0.0187	0.0137	0.0126	0.0039	0.0769	0.0210	0.1844
25 mph	0.0620	0.0067	0.0339	0.0248	0.0229	0.0071	0.1227	0.0335	0.3136
30 mph	0.1151	0.0125	0.0623	0.0458	0.0426	0.0133	0.1950	0.0533	0.5397
35 mph	0.2440	0.0264	0.1311	0.0968	0.0908	0.0283	0.1832	0.0502	0.8507
40 mph	0.2591	0.0280	0.1389	0.1027	0.0965	0.0301	0.1603	0.0439	0.8595
45 mph	0.2006	0.0217	0.1078	0.0797	0.0749	0.0233	0.1129	0.0309	0.6520
50 mph	0.2232	0.0242	0.1198	0.0890	0.0835	0.0259	0.0557	0.0153	0.6365
55 mph	0.1254	0.0137	0.0678	0.0504	0.0469	0.0145	0.0281	0.0077	0.3547
60 mph	0.0782	0.0086	0.0427	0.0317	0.0291	0.0091	2.0300	0.5565	2.7859
65 mph	0.0273	0.0030	0.0149	0.0111	0.0102	0.0032	-	-	0.0697
70 mph	1.3251	0.1491	0.6852	0.5427	0.5229	0.1510	-	-	3.3760
total	2.7749	0.3064	1.4679	1.1212	1.0628	0.3190	2.9648	0.8123	10.8295

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1323	0.0390	0.1334	0.0184	0.3231
15 mph	0.2890	0.0317	0.1600	0.0512	0.0395	0.0123	0.0379	0.0103	0.6318
25 mph	-	-	-	-	0.0615	0.0192	0.1355	0.0370	0.2532
35 mph	0.8919	0.0963	0.4791	0.1425	-	-	-	-	1.6098
total	1.1810	0.1280	0.6391	0.1937	0.2333	0.0705	0.3068	0.0658	2.8180

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1323	0.0390	0.1334	0.0184	0.3231
10 mph	0.5642	0.0621	0.3131	0.1194	0.0909	0.0283	0.0807	0.0221	1.2808
15 mph	0.5097	0.0558	0.2821	0.1019	0.0794	0.0247	0.0616	0.0168	1.1321
20 mph	0.3627	0.0395	0.1996	0.0769	0.0596	0.0186	0.1195	0.0326	0.9091
25 mph	1.5607	0.1695	0.8524	0.3114	0.2976	0.0927	0.4723	0.1290	3.8856
30 mph	1.6452	0.1781	0.8916	0.3372	0.2610	0.0814	0.3752	0.1026	3.8723
35 mph	2.3163	0.2501	1.2442	0.4633	0.2600	0.0812	0.2594	0.0710	4.9455
40 mph	0.6350	0.0686	0.3405	0.1741	0.1504	0.0469	0.2412	0.0660	1.7228
45 mph	0.5039	0.0545	0.2707	0.1375	0.1186	0.0369	0.1756	0.0481	1.3458
50 mph	0.5230	0.0568	0.2807	0.1462	0.1268	0.0393	0.1562	0.0428	1.3717
55 mph	0.3681	0.0402	0.1991	0.0971	0.0820	0.0254	0.0515	0.0141	0.8774
60 mph	0.5827	0.0641	0.3180	0.1296	0.1015	0.0316	2.0541	0.5631	3.8448
65 mph	0.0933	0.0103	0.0508	0.0240	0.0197	0.0061	-	-	0.2043
70 mph	1.3251	0.1491	0.6852	0.5427	0.5229	0.1510	-	-	3.3760
total	10.9898	1.1987	5.9280	2.6614	2.3028	0.7031	4.1806	1.1268	29.0912

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0094	0.0000	0.0086	0.0037	0.3601	0.2577	16.1584	59.2998	76.0977
15 mph	0.0025	0.0000	0.0023	0.0010	0.1091	0.0800	3.7682	13.6520	17.6150
20 mph	0.0034	0.0000	0.0030	0.0013	0.1898	0.1409	5.9760	19.5015	25.8160
25 mph	0.0132	0.0001	0.0115	0.0051	0.8605	0.6487	25.5974	87.5460	114.6825
30 mph	0.0122	0.0001	0.0106	0.0048	0.9492	0.7167	17.3615	59.3606	78.4159
35 mph	0.0088	0.0001	0.0075	0.0035	0.8144	0.6099	5.6869	19.4389	26.5699
40 mph	0.0026	0.0000	0.0022	0.0011	0.2811	0.2101	4.5473	15.5917	20.6362
45 mph	0.0020	0.0000	0.0017	0.0008	0.2426	0.1811	2.6991	9.2770	12.4044
50 mph	0.0019	0.0000	0.0015	0.0008	0.2542	0.1899	3.6460	12.4162	16.5106
55 mph	0.0014	0.0000	0.0012	0.0006	0.1978	0.1500	0.8510	2.9524	4.1544
60 mph	0.0028	0.0000	0.0022	0.0011	0.4050	0.3057	1.0409	3.5650	5.3228
65 mph	0.0004	0.0000	0.0003	0.0001	0.0561	0.0423	-	-	0.0992
70 mph	-	-	-	-	-	-	-	-	-
total	0.0608	0.0006	0.0527	0.0239	4.7198	3.5330	87.3327	302.6010	398.3244

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0008	0.0000	0.0007	0.0006	0.0772	0.0553	-	-	0.1346
15 mph	0.0005	0.0000	0.0005	0.0004	0.0585	0.0429	-	-	0.1028
20 mph	0.0004	0.0000	0.0003	0.0003	0.0509	0.0378	10.7732	35.1564	46.0192
25 mph	0.0005	0.0000	0.0005	0.0004	0.0923	0.0696	14.6827	50.2167	65.0627
30 mph	0.0009	0.0000	0.0008	0.0008	0.1850	0.1397	18.7791	64.2076	83.3139
35 mph	0.0018	0.0000	0.0016	0.0015	0.4366	0.3270	13.6693	46.7246	61.1624
40 mph	0.0018	0.0000	0.0015	0.0015	0.5023	0.3754	9.0174	30.9189	40.8189
45 mph	0.0013	0.0000	0.0011	0.0011	0.4162	0.3107	4.8658	16.7241	22.3204
50 mph	0.0014	0.0000	0.0012	0.0012	0.4906	0.3666	2.0224	6.8872	9.7705
55 mph	0.0007	0.0000	0.0006	0.0006	0.2651	0.2010	1.0228	3.5483	5.0391
60 mph	0.0004	0.0000	0.0003	0.0004	0.1628	0.1229	87.5700	299.9139	387.7708
65 mph	0.0001	0.0000	0.0001	0.0001	0.0601	0.0453	-	-	0.1059
70 mph	0.0073	0.0001	0.0054	0.0066	5.8388	4.0386	-	-	9.8968
total	0.0182	0.0002	0.0146	0.0157	8.6363	6.1327	162.4029	554.2975	731.5181

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.9707	2.6827	9.6768	16.8187	33.1488
15 mph	0.0040	0.0000	0.0036	0.0014	0.1657	0.1215	5.9989	21.7341	28.0293
25 mph	-	-	-	-	0.2483	0.1872	16.2115	55.4451	72.0920
35 mph	0.0067	0.0001	0.0057	0.0022	-	-	-	-	0.0146
total	0.0107	0.0001	0.0093	0.0037	4.3846	2.9913	31.8872	93.9978	133.2847

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.9707	2.6827	9.6768	16.8187	33.1488
10 mph	0.0102	0.0000	0.0093	0.0043	0.4373	0.3129	16.1584	59.2998	76.2323
15 mph	0.0071	0.0000	0.0064	0.0028	0.3332	0.2443	9.7671	35.3861	45.7471
20 mph	0.0038	0.0000	0.0033	0.0016	0.2406	0.1787	16.7492	54.6579	71.8352
25 mph	0.0137	0.0001	0.0120	0.0056	1.2010	0.9054	56.4916	193.2077	251.8372
30 mph	0.0132	0.0001	0.0114	0.0056	1.1342	0.8564	36.1407	123.5682	161.7298
35 mph	0.0173	0.0002	0.0147	0.0072	1.2510	0.9369	19.3562	66.1635	87.7469
40 mph	0.0045	0.0001	0.0038	0.0026	0.7833	0.5855	13.5648	46.5106	61.4551
45 mph	0.0034	0.0000	0.0028	0.0019	0.6588	0.4919	7.5649	26.0011	34.7247
50 mph	0.0033	0.0000	0.0027	0.0020	0.7448	0.5565	5.6684	19.3034	26.2811
55 mph	0.0022	0.0000	0.0017	0.0012	0.4629	0.3509	1.8738	6.5007	9.1935
60 mph	0.0033	0.0001	0.0026	0.0015	0.5679	0.4286	88.6110	303.4788	393.0936
65 mph	0.0005	0.0000	0.0004	0.0003	0.1162	0.0876	-	-	0.2050
70 mph	0.0073	0.0001	0.0054	0.0066	5.8388	4.0386	-	-	9.8968
total	0.0896	0.0009	0.0766	0.0433	17.7407	12.6571	281.6228	950.8964	1,263.1272

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.7013	0.7013
15 mph								0.1695	0.1695
20 mph								0.2566	0.2566
25 mph								1.1477	1.1477
30 mph								0.9004	0.9004
35 mph								0.3609	0.3609
40 mph								0.3655	0.3655
45 mph								0.2714	0.2714
50 mph								0.4157	0.4157
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	4.5889	4.5889

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.4625	0.4625
25 mph								0.6583	0.6583
30 mph								0.9740	0.9740
35 mph								0.8676	0.8676
40 mph								0.7248	0.7248
45 mph								0.4892	0.4892
50 mph								0.2306	0.2306
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.9624	2.9624

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.2665	1.2665
15 mph								0.2698	0.2698
25 mph								0.7269	0.7269
35 mph								-	-
total	-	-	-	-	-	-	-	2.2632	2.2632

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.2665	1.2665
10 mph								0.7013	0.7013
15 mph								0.4393	0.4393
20 mph								0.7191	0.7191
25 mph								2.5329	2.5329
30 mph								1.8744	1.8744
35 mph								1.2285	1.2285
40 mph								1.0903	1.0903
45 mph								0.7606	0.7606
50 mph								0.6462	0.6462
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	11.2590	11.2590

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	4.1030	2.7217	9.8102	18.1036	34.7384
10 mph	0.5744	0.0621	0.3224	0.1237	0.5282	0.3412	16.2391	60.0231	78.2143
15 mph	0.5168	0.0559	0.2885	0.1047	0.4126	0.2690	9.8287	35.8422	47.3184
20 mph	0.3665	0.0396	0.2030	0.0785	0.3002	0.1973	16.8687	55.4096	73.4634
25 mph	1.5744	0.1696	0.8644	0.3170	1.4986	0.9982	56.9639	195.8697	258.2557
30 mph	1.6584	0.1782	0.9029	0.3428	1.3953	0.9378	36.5159	125.5452	167.4765
35 mph	2.3335	0.2503	1.2589	0.4705	1.5110	1.0181	19.6156	67.4630	93.9210
40 mph	0.6395	0.0686	0.3443	0.1767	0.9337	0.6325	13.8059	47.6669	64.2681
45 mph	0.5073	0.0546	0.2735	0.1394	0.7774	0.5288	7.7405	26.8098	36.8311
50 mph	0.5263	0.0568	0.2834	0.1481	0.8716	0.5958	5.8246	19.9925	28.2991
55 mph	0.3702	0.0402	0.2008	0.0983	0.5448	0.3763	1.9253	6.5148	10.0709
60 mph	0.5859	0.0642	0.3206	0.1311	0.6694	0.4602	90.6651	304.0419	396.9384
65 mph	0.0938	0.0103	0.0512	0.0243	0.1359	0.0938	-	-	0.4093
70 mph	1.3324	0.1491	0.6906	0.5494	6.3617	4.1896	-	-	13.2728
STREX	1.1709	0.1029	0.5135	0.8070	0.5604	0.1690	11.4640	23.1192	37.9069
total	12.2503	1.3025	6.5181	3.5117	20.6038	13.5293	297.2675	986.4013	**1,341.3844**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1154	0.1326	0.1345	0.1476	0.3243	0.3368	0.3223	0.0062
Diesel	-	-	-	-	-	-	2.1602	2.4590
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.1709	0.1029	0.5135	0.8070	0.5604	0.1690	0.2789	0.0000
Diesel	-	-	-	-	-	-	11.1852	23.1191
Electric/NG	-	-	-	-	-	-	-	-
Total	1.1709	0.1029	0.5135	0.8070	0.5604	0.1690	11.4640	23.1192

World Logistics Center
Mobile Emissions - 2035 Buildout (Net) - Mitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					155.0597	155.1653	388.1149	271.5252
10 mph	0.6890	0.8196	0.8726	0.8904	0.2686	0.2354	0.4073	49.4286
15 mph	0.6280	0.7450	0.7947	0.8095	0.2427	0.2142	0.3735	45.1999
20 mph	0.5753	0.6809	0.7268	0.7407	0.2231	0.1963	0.3414	41.3728
25 mph	0.5280	0.6235	0.6656	0.6788	0.2039	0.1798	0.3137	37.9859
30 mph	0.4862	0.5729	0.6113	0.6244	0.1876	0.1653	0.2882	34.9459
35 mph	0.4494	0.5283	0.5632	0.5765	0.1735	0.1525	0.2654	32.2441
40 mph	0.4166	0.4899	0.5221	0.5346	0.1609	0.1413	0.2459	29.8775
45 mph	0.3887	0.4572	0.4870	0.4986	0.1497	0.1313	0.2282	27.7545
50 mph	0.3623	0.4266	0.4536	0.4649	0.1394	0.1219	0.2120	25.8237
55 mph	0.3369	0.3968	0.4219	0.4327	0.1298	0.1134	0.1973	24.0431
60 mph	0.3081	0.3638	0.3866	0.3962	0.1202	0.1052	0.1837	22.3750
65 mph	0.2856	0.3383	0.3584	0.3678	0.1122	0.0979		
70 mph	0.2809	0.3373	0.3473	0.3627	0.1133	0.0926		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	21.3928	34.9681
10 mph	2.0310	2.0751	2.0064	2.2741	2.5048	2.5323	0.4923	1.3481
15 mph	0.9903	1.0634	0.9792	1.1107	1.2371	1.2526	0.2664	0.7225
20 mph	0.3856	0.4685	0.3809	0.4324	0.5019	0.5108	0.1780	0.4498
25 mph	0.2319	0.3026	0.2286	0.2601	0.3094	0.3160	0.1360	0.3545
30 mph	0.1755	0.2341	0.1727	0.1969	0.2386	0.2441	0.1044	0.2720
35 mph	0.1398	0.1891	0.1373	0.1570	0.1952	0.1998	0.0787	0.2052
40 mph	0.1154	0.1632	0.1132	0.1296	0.1659	0.1702	0.0590	0.1542
45 mph	0.0979	0.1480	0.0959	0.1099	0.1462	0.1503	0.0452	0.1186
50 mph	0.0848	0.1376	0.0829	0.0953	0.1336	0.1379	0.0375	0.0979
55 mph	0.0746	0.1371	0.0729	0.0838	0.1236	0.1285	0.0357	0.0944
60 mph	0.0704	0.1476	0.0687	0.0792	0.1250	0.1304	0.0399	0.1048
65 mph	0.0708	0.1571	0.0687	0.0798	0.1397	0.1468		
70 mph	0.0729	0.1065	0.0688	0.0824	0.2247	0.2291		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								34.3791
10 mph								36.1157
15 mph								25.4330
20 mph								18.3972
25 mph								13.4834
30 mph								9.9379
35 mph								7.3251
40 mph								5.3997
45 mph								3.9810
50 mph								2.9356
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	12.8647	1.1695	6.1304	2.0007	0.2634	0.0671	0.2068	0.2328	22.9354
15 mph	4.6902	0.4252	2.2333	0.7276	0.0952	0.0244	0.0632	0.0710	8.3301
20 mph	8.5931	0.7773	4.0848	1.3314	0.1750	0.0448	0.1156	0.1299	15.2519
25 mph	39.4319	3.5591	18.7036	6.1009	0.7997	0.2049	0.5841	0.6560	70.0400
30 mph	39.9456	3.5971	18.8964	6.1732	0.8093	0.2072	0.4879	0.5486	70.6653
35 mph	30.2047	2.7141	14.2437	4.6634	0.6126	0.1564	0.2022	0.2278	53.0248
40 mph	9.3345	0.8389	4.4011	1.4413	0.1894	0.0483	0.2082	0.2345	16.6962
45 mph	7.2573	0.6524	3.4209	1.1204	0.1468	0.0374	0.1545	0.1743	12.9641
50 mph	6.7651	0.6087	3.1867	1.0446	0.1367	0.0347	0.2333	0.2635	12.2734
55 mph	5.0327	0.4530	2.3712	0.7777	0.1018	0.0258	0.0501	0.0566	8.8690
60 mph	9.2035	0.8306	4.3458	1.4242	0.1886	0.0479	0.0466	0.0527	16.1399
65 mph	1.0664	0.0966	0.5036	0.1653	0.0220	0.0056	-	-	1.8594
70 mph	-	-	-	-	-	-	-	-	-
total	174.3897	15.7225	82.5213	26.9706	3.5405	0.9046	2.3526	2.6476	309.0494

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	1.0640	0.0967	0.5070	0.3456	0.0565	0.0144	-	-	2.0842
15 mph	0.9698	0.0879	0.4618	0.3142	0.0510	0.0131	-	-	1.8977
20 mph	0.8884	0.0804	0.4223	0.2875	0.0469	0.0120	0.2084	0.2342	2.1800
25 mph	1.6306	0.1472	0.7734	0.5269	0.0857	0.0220	0.3350	0.3763	3.8971
30 mph	3.0034	0.2705	1.4208	0.9694	0.1578	0.0404	0.5277	0.5934	6.9832
35 mph	6.2452	0.5612	2.9451	2.0138	0.3284	0.0839	0.4860	0.5475	13.2110
40 mph	6.4335	0.5782	3.0333	2.0747	0.3384	0.0863	0.4128	0.4651	13.4221
45 mph	4.8018	0.4317	2.2634	1.5482	0.2518	0.0642	0.2786	0.3142	9.9538
50 mph	5.0356	0.4531	2.3720	1.6239	0.2639	0.0670	0.1294	0.1462	10.0911
55 mph	2.6015	0.2342	1.2257	0.8396	0.1365	0.0346	0.0602	0.0680	5.2003
60 mph	1.4272	0.1288	0.6739	0.4613	0.0758	0.0193	3.9234	4.4326	11.1423
65 mph	0.4410	0.0399	0.2082	0.1428	0.0236	0.0060	-	-	0.8615
70 mph	19.9517	1.8311	9.2819	6.4757	1.0961	0.2603	-	-	38.8967
total	54.4936	4.9408	25.5887	17.6233	2.9124	0.7234	6.3616	7.1773	119.8211

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	18.4044	5.3504	21.4581	0.1854	45.3983
15 mph	7.4136	0.6722	3.5301	1.0529	0.1446	0.0371	0.1007	0.1130	13.0642
25 mph	-	-	-	-	0.2307	0.0591	0.3699	0.4154	1.0752
35 mph	22.8249	2.0510	10.7636	2.9649	-	-	-	-	38.6042
total	30.2385	2.7231	14.2937	4.0178	18.7797	5.4467	21.9287	0.7138	98.1420

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	18.4044	5.3504	21.4581	0.1854	45.3983
10 mph	13.9286	1.2662	6.6374	2.3463	0.3199	0.0815	0.2068	0.2328	25.0195
15 mph	13.0736	1.1853	6.2252	2.0947	0.2908	0.0746	0.1639	0.1839	23.2920
20 mph	9.4815	0.8577	4.5071	1.6189	0.2219	0.0567	0.3240	0.3641	17.4318
25 mph	41.0625	3.7062	19.4770	6.6277	1.1161	0.2860	1.2890	1.4476	75.0123
30 mph	42.9490	3.8676	20.3172	7.1426	0.9671	0.2476	1.0156	1.1420	77.6485
35 mph	59.2748	5.3262	27.9523	9.6421	0.9410	0.2403	0.6882	0.7753	104.8401
40 mph	15.7680	1.4171	7.4343	3.5160	0.5277	0.1347	0.6210	0.6996	30.1183
45 mph	12.0591	1.0841	5.6844	2.6686	0.3986	0.1016	0.4332	0.4885	22.9179
50 mph	11.8008	1.0619	5.5586	2.6685	0.4006	0.1018	0.3628	0.4097	22.3646
55 mph	7.6342	0.6872	3.5968	1.6173	0.2383	0.0605	0.1103	0.1247	14.0693
60 mph	10.6307	0.9593	5.0197	1.8855	0.2645	0.0672	3.9700	4.4852	27.2822
65 mph	1.5073	0.1365	0.7118	0.3081	0.0456	0.0116	-	-	2.7209
70 mph	19.9517	1.8311	9.2819	6.4757	1.0961	0.2603	-	-	38.8967
total	259.1218	23.3864	122.4037	48.6117	25.2327	7.0747	30.6429	10.5387	527.0125

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.4490	0.0004	0.1372	0.1719	2.5871	1.7300	1.4960	7.4392	14.0108
15 mph	0.0876	0.0001	0.0268	0.0336	0.5111	0.3423	0.2699	1.3289	2.6003
20 mph	0.0682	0.0001	0.0208	0.0262	0.4148	0.2792	0.3606	1.6548	2.8247
25 mph	0.2050	0.0003	0.0625	0.0787	1.2783	0.8636	1.5157	7.1736	11.1777
30 mph	0.1707	0.0002	0.0520	0.0655	1.0842	0.7337	1.0573	5.0036	8.1671
35 mph	0.1113	0.0001	0.0338	0.0427	0.7257	0.4914	0.3588	1.6983	3.4621
40 mph	0.0306	0.0000	0.0093	0.0118	0.2057	0.1395	0.2987	1.4182	2.1138
45 mph	0.0216	0.0000	0.0066	0.0083	0.1510	0.1027	0.1833	0.8725	1.3460
50 mph	0.0187	0.0000	0.0057	0.0072	0.1380	0.0942	0.2469	1.1704	1.6811
55 mph	0.0132	0.0000	0.0040	0.0051	0.1021	0.0702	0.0543	0.2606	0.5094
60 mph	0.0249	0.0000	0.0075	0.0096	0.2066	0.1425	0.0607	0.2891	0.7408
65 mph	0.0031	0.0000	0.0009	0.0012	0.0289	0.0201	-	-	0.0542
70 mph	-	-	-	-	-	-	-	-	-
total	1.2039	0.0014	0.3671	0.4617	7.4333	5.0094	5.9021	28.3092	48.6880

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0371	0.0000	0.0113	0.0297	0.5548	0.3710	-	-	1.0040
15 mph	0.0181	0.0000	0.0055	0.0145	0.2740	0.1835	-	-	0.4957
20 mph	0.0071	0.0000	0.0022	0.0056	0.1112	0.0748	0.6502	2.9832	3.8343
25 mph	0.0085	0.0000	0.0026	0.0068	0.1371	0.0926	0.8694	4.1148	5.2317
30 mph	0.0128	0.0000	0.0039	0.0103	0.2114	0.1430	1.1436	5.4122	6.9372
35 mph	0.0230	0.0000	0.0070	0.0185	0.3890	0.2635	0.8623	4.0821	5.6454
40 mph	0.0211	0.0000	0.0064	0.0169	0.3675	0.2493	0.5924	2.8123	4.0660
45 mph	0.0143	0.0000	0.0043	0.0115	0.2590	0.1761	0.3305	1.5730	2.3687
50 mph	0.0140	0.0000	0.0042	0.0112	0.2663	0.1818	0.1369	0.6492	1.2636
55 mph	0.0068	0.0000	0.0021	0.0055	0.1368	0.0941	0.0652	0.3132	0.6237
60 mph	0.0039	0.0000	0.0012	0.0031	0.0830	0.0573	5.1047	24.3183	29.5715
65 mph	0.0013	0.0000	0.0004	0.0010	0.0310	0.0215	-	-	0.0552
70 mph	0.0613	0.0001	0.0179	0.0495	2.2896	1.5442	-	-	3.9626
total	0.2293	0.0003	0.0690	0.1841	5.1105	3.4527	9.7553	46.2583	65.0595

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.2878	2.1746	7.0773	21.0058	33.5455
15 mph	0.1384	0.0001	0.0423	0.0486	0.7765	0.5200	0.4296	2.1157	4.0713
25 mph	-	-	-	-	0.3688	0.2492	0.9599	4.5432	6.1211
35 mph	0.0841	0.0001	0.0255	0.0272	-	-	-	-	0.1369
total	0.2225	0.0003	0.0679	0.0758	4.4330	2.9438	8.4669	27.6648	43.8748

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.2878	2.1746	7.0773	21.0058	33.5455
10 mph	0.4861	0.0005	0.1485	0.2016	3.1419	2.1010	1.4960	7.4392	15.0148
15 mph	0.2441	0.0003	0.0747	0.0967	1.5616	1.0458	0.6995	3.4446	7.1672
20 mph	0.0752	0.0001	0.0230	0.0318	0.5259	0.3540	1.0108	4.6381	6.6589
25 mph	0.2135	0.0003	0.0651	0.0855	1.7842	1.2054	3.3450	15.8316	22.5305
30 mph	0.1835	0.0002	0.0559	0.0758	1.2956	0.8767	2.2009	10.4158	15.1043
35 mph	0.2184	0.0003	0.0663	0.0884	1.1147	0.7549	1.2211	5.7804	9.2445
40 mph	0.0517	0.0001	0.0157	0.0287	0.5731	0.3888	0.8911	4.2305	6.1798
45 mph	0.0359	0.0001	0.0109	0.0198	0.4100	0.2788	0.5138	2.4455	3.7147
50 mph	0.0327	0.0001	0.0099	0.0184	0.4043	0.2760	0.3838	1.8195	2.9447
55 mph	0.0200	0.0000	0.0060	0.0105	0.2389	0.1643	0.1195	0.5737	1.1331
60 mph	0.0288	0.0001	0.0087	0.0127	0.2896	0.1998	5.1654	24.6074	30.3124
65 mph	0.0044	0.0000	0.0013	0.0022	0.0598	0.0416	-	-	0.1094
70 mph	0.0613	0.0001	0.0179	0.0495	2.2896	1.5442	-	-	3.9626
total	1.6557	0.0020	0.5039	0.7216	16.9769	11.4058	24.1242	102.2322	157.6224

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								14.1323	14.1323
15 mph								3.3174	3.3174
20 mph								4.7993	4.7993
25 mph								19.3458	19.3458
30 mph								12.9625	12.9625
35 mph								4.2995	4.2995
40 mph								3.5216	3.5216
45 mph								2.0770	2.0770
50 mph								2.4889	2.4889
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	66.9442	66.9442

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								8.6519	8.6519
25 mph								11.0968	11.0968
30 mph								14.0209	14.0209
35 mph								10.3347	10.3347
40 mph								6.9834	6.9834
45 mph								3.7444	3.7444
50 mph								1.3806	1.3806
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	44.1043	44.1043

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.4645	1.4645
15 mph								5.2813	5.2813
25 mph								12.2522	12.2522
35 mph								-	-
total	-	-	-	-	-	-	-	18.9979	18.9979

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.4645	1.4645
10 mph								14.1323	14.1323
15 mph								8.5986	8.5986
20 mph								13.4512	13.4512
25 mph								42.6948	42.6948
30 mph								26.9834	26.9834
35 mph								14.6342	14.6342
40 mph								10.5049	10.5049
45 mph								5.8214	5.8214
50 mph								3.8694	3.8694
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	142.1548	142.1548

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	21.6922	7.5251	28.5354	22.6557	80.4083
10 mph	14.4147	1.2667	6.7860	2.5479	3.4618	2.1824	1.7028	21.8043	54.1666
15 mph	13.3177	1.1856	6.2998	2.1914	1.8524	1.1204	0.8634	12.2272	39.0579
20 mph	9.5567	0.8578	4.5301	1.6507	0.7478	0.4107	1.3348	18.4534	37.5420
25 mph	41.2760	3.7065	19.5421	6.7132	2.9003	1.4914	4.6340	59.9741	140.2376
30 mph	43.1325	3.8678	20.3730	7.2184	2.2626	1.1242	3.2165	38.5412	119.7363
35 mph	59.4932	5.3265	28.0186	9.7304	2.0557	0.9952	1.9093	21.1899	128.7187
40 mph	15.8197	1.4172	7.4500	3.5447	1.1009	0.5235	1.5121	15.4350	46.8030
45 mph	12.0951	1.0842	5.6953	2.6884	0.8085	0.3804	0.9469	8.7554	32.4541
50 mph	11.8335	1.0619	5.5685	2.6869	0.8049	0.3778	0.7466	6.0986	29.1787
55 mph	7.6542	0.6872	3.6029	1.6278	0.4772	0.2248	0.2299	0.6984	15.2024
60 mph	10.6594	0.9594	5.0284	1.8981	0.5541	0.2670	9.1354	29.0926	57.5945
65 mph	1.5118	0.1365	0.7131	0.3103	0.1054	0.0531	-	-	2.8303
70 mph	20.0131	1.8312	9.2998	6.5252	3.3857	1.8044	-	-	42.8593
STREX	15.1723	1.2192	7.4653	11.0849	2.4455	0.6909	2.5832	0.0383	40.6995
total	275.9498	24.6076	130.3729	60.4182	44.6551	19.1714	57.3503	254.9639	**867.4892**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.4953	1.5723	1.9555	2.0280	1.4155	1.3765	2.9853	4.7701
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	15.1723	1.2192	7.4653	11.0849	2.4455	0.6909	2.5832	0.0383
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	15.1723	1.2192	7.4653	11.0849	2.4455	0.6909	2.5832	0.0383

World Logistics Center
Mobile Emissions - 2035 Buildout (Net) - Mitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0493	0.0493	0.1240	0.1877
10 mph	0.0039	0.0046	0.0045	0.0056	0.0128	0.0148	0.0262	0.0305
15 mph	0.0032	0.0037	0.0037	0.0045	0.0105	0.0121	0.0215	0.0251
20 mph	0.0026	0.0031	0.0031	0.0038	0.0087	0.0101	0.0178	0.0209
25 mph	0.0023	0.0027	0.0026	0.0032	0.0075	0.0086	0.0153	0.0179
30 mph	0.0020	0.0024	0.0023	0.0029	0.0066	0.0076	0.0136	0.0159
35 mph	0.0019	0.0022	0.0022	0.0027	0.0061	0.0071	0.0126	0.0147
40 mph	0.0018	0.0021	0.0021	0.0026	0.0059	0.0069	0.0122	0.0142
45 mph	0.0018	0.0021	0.0021	0.0026	0.0060	0.0069	0.0122	0.0142
50 mph	0.0019	0.0022	0.0022	0.0027	0.0061	0.0071	0.0126	0.0146
55 mph	0.0019	0.0023	0.0023	0.0028	0.0064	0.0074	0.0131	0.0152
60 mph	0.0020	0.0023	0.0023	0.0029	0.0066	0.0077	0.0136	0.0157
65 mph	0.0020	0.0024	0.0024	0.0029	0.0068	0.0079		
70 mph	0.0021	0.0024	0.0024	0.0030	0.0069	0.0080		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0306	0.0496	0.0511	0.0466
10 mph	0.0032	0.0064	0.0042	0.0053	0.0079	0.0089	0.0153	0.0218
15 mph	0.0026	0.0054	0.0035	0.0045	0.0052	0.0059	0.0121	0.0170
20 mph	0.0021	0.0044	0.0029	0.0037	0.0044	0.0050	0.0103	0.0147
25 mph	0.0018	0.0037	0.0024	0.0031	0.0039	0.0045	0.0090	0.0122
30 mph	0.0016	0.0032	0.0021	0.0027	0.0036	0.0041	0.0079	0.0107
35 mph	0.0014	0.0028	0.0019	0.0025	0.0036	0.0041	0.0071	0.0096
40 mph	0.0013	0.0026	0.0018	0.0023	0.0035	0.0039	0.0065	0.0088
45 mph	0.0013	0.0025	0.0017	0.0022	0.0034	0.0038	0.0061	0.0084
50 mph	0.0013	0.0025	0.0017	0.0022	0.0035	0.0039	0.0060	0.0082
55 mph	0.0013	0.0027	0.0018	0.0024	0.0037	0.0040	0.0062	0.0086
60 mph	0.0014	0.0029	0.0019	0.0025	0.0037	0.0040	0.0066	0.0091
65 mph	0.0016	0.0032	0.0022	0.0029	0.0038	0.0041		
70 mph	0.0018	0.0033	0.0023	0.0031	0.0038	0.0041		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0724	0.0065	0.0319	0.0125	0.0126	0.0042	0.0133	0.0001	0.1535
15 mph	0.0237	0.0021	0.0104	0.0041	0.0041	0.0014	0.0036	0.0000	0.0495
20 mph	0.0394	0.0035	0.0173	0.0068	0.0068	0.0023	0.0060	0.0001	0.0823
25 mph	0.1683	0.0151	0.0741	0.0291	0.0292	0.0098	0.0284	0.0003	0.3544
30 mph	0.1643	0.0148	0.0723	0.0284	0.0286	0.0096	0.0229	0.0002	0.3412
35 mph	0.1247	0.0112	0.0549	0.0215	0.0217	0.0073	0.0096	0.0001	0.2510
40 mph	0.0403	0.0036	0.0177	0.0070	0.0070	0.0023	0.0103	0.0001	0.0883
45 mph	0.0337	0.0030	0.0148	0.0058	0.0058	0.0020	0.0083	0.0001	0.0736
50 mph	0.0348	0.0031	0.0153	0.0060	0.0060	0.0020	0.0138	0.0001	0.0812
55 mph	0.0289	0.0026	0.0127	0.0050	0.0050	0.0017	0.0033	0.0000	0.0592
60 mph	0.0594	0.0053	0.0262	0.0103	0.0104	0.0035	0.0035	0.0000	0.1187
65 mph	0.0076	0.0007	0.0034	0.0013	0.0013	0.0004	-	-	0.0148
70 mph	-	-	-	-	-	-	-	-	-
total	0.7975	0.0717	0.3510	0.1378	0.1387	0.0464	0.1231	0.0013	1.6676

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0060	0.0005	0.0026	0.0022	0.0027	0.0009	-	-	0.0149
15 mph	0.0049	0.0004	0.0022	0.0018	0.0022	0.0007	-	-	0.0122
20 mph	0.0041	0.0004	0.0018	0.0015	0.0018	0.0006	0.0109	0.0001	0.0212
25 mph	0.0070	0.0006	0.0031	0.0025	0.0031	0.0010	0.0163	0.0002	0.0338
30 mph	0.0124	0.0011	0.0054	0.0045	0.0056	0.0019	0.0248	0.0003	0.0559
35 mph	0.0258	0.0023	0.0113	0.0093	0.0116	0.0039	0.0230	0.0002	0.0875
40 mph	0.0278	0.0025	0.0122	0.0100	0.0125	0.0042	0.0204	0.0002	0.0898
45 mph	0.0223	0.0020	0.0098	0.0081	0.0100	0.0034	0.0149	0.0002	0.0707
50 mph	0.0259	0.0023	0.0114	0.0093	0.0116	0.0039	0.0077	0.0001	0.0722
55 mph	0.0149	0.0013	0.0066	0.0054	0.0067	0.0022	0.0040	0.0000	0.0412
60 mph	0.0092	0.0008	0.0041	0.0033	0.0042	0.0014	0.2905	0.0031	0.3166
65 mph	0.0031	0.0003	0.0014	0.0011	0.0014	0.0005	-	-	0.0079
70 mph	0.1470	0.0132	0.0647	0.0535	0.0670	0.0224	-	-	0.3678
total	0.3103	0.0279	0.1366	0.1124	0.1406	0.0470	0.4125	0.0044	1.1917

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0058	0.0017	0.0069	0.0001	0.0145
15 mph	0.0374	0.0034	0.0165	0.0059	0.0063	0.0021	0.0058	0.0001	0.0774
25 mph	-	-	-	-	0.0084	0.0028	0.0180	0.0002	0.0295
35 mph	0.0942	0.0085	0.0415	0.0137	-	-	-	-	0.1579
total	0.1317	0.0118	0.0579	0.0196	0.0205	0.0066	0.0306	0.0004	0.2792

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0058	0.0017	0.0069	0.0001	0.0145
10 mph	0.0784	0.0071	0.0345	0.0147	0.0153	0.0051	0.0133	0.0001	0.1685
15 mph	0.0660	0.0059	0.0290	0.0118	0.0126	0.0042	0.0094	0.0001	0.1391
20 mph	0.0435	0.0039	0.0191	0.0083	0.0087	0.0029	0.0169	0.0002	0.1035
25 mph	0.1753	0.0158	0.0771	0.0316	0.0408	0.0137	0.0627	0.0007	0.4177
30 mph	0.1767	0.0159	0.0778	0.0328	0.0341	0.0114	0.0478	0.0005	0.3970
35 mph	0.2447	0.0220	0.1077	0.0446	0.0333	0.0111	0.0326	0.0004	0.4964
40 mph	0.0680	0.0061	0.0299	0.0170	0.0195	0.0065	0.0307	0.0003	0.1781
45 mph	0.0561	0.0050	0.0247	0.0139	0.0159	0.0053	0.0232	0.0003	0.1443
50 mph	0.0606	0.0054	0.0267	0.0153	0.0176	0.0059	0.0215	0.0002	0.1533
55 mph	0.0438	0.0039	0.0193	0.0104	0.0117	0.0039	0.0073	0.0001	0.1004
60 mph	0.0687	0.0062	0.0303	0.0136	0.0146	0.0049	0.2939	0.0032	0.4353
65 mph	0.0108	0.0010	0.0048	0.0025	0.0028	0.0009	-	-	0.0227
70 mph	0.1470	0.0132	0.0647	0.0535	0.0670	0.0224	-	-	0.3678
total	1.2395	0.1115	0.5455	0.2698	0.2998	0.1001	0.5663	0.0062	3.1385

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0003	0.0004	0.0082	0.0061	0.0466	0.1205	0.1827
15 mph	0.0002	0.0000	0.0001	0.0001	0.0021	0.0016	0.0122	0.0312	0.0476
20 mph	0.0004	0.0000	0.0002	0.0002	0.0036	0.0028	0.0209	0.0541	0.0821
25 mph	0.0016	0.0000	0.0007	0.0009	0.0162	0.0123	0.1002	0.2465	0.3783
30 mph	0.0015	0.0000	0.0006	0.0009	0.0162	0.0122	0.0800	0.1970	0.3083
35 mph	0.0011	0.0000	0.0005	0.0007	0.0132	0.0100	0.0321	0.0794	0.1370
40 mph	0.0003	0.0000	0.0001	0.0002	0.0043	0.0032	0.0327	0.0810	0.1220
45 mph	0.0003	0.0000	0.0001	0.0002	0.0035	0.0026	0.0248	0.0617	0.0931
50 mph	0.0003	0.0000	0.0001	0.0002	0.0037	0.0027	0.0398	0.0985	0.1453
55 mph	0.0002	0.0000	0.0001	0.0001	0.0031	0.0022	0.0095	0.0237	0.0389
60 mph	0.0005	0.0000	0.0002	0.0003	0.0062	0.0044	0.0101	0.0251	0.0468
65 mph	0.0001	0.0000	0.0000	0.0000	0.0008	0.0006	-	-	0.0015
70 mph	-	-	-	-	-	-	-	-	-
total	0.0073	0.0000	0.0030	0.0043	0.0810	0.0605	0.4089	1.0186	1.5836

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0001	0.0018	0.0013	-	-	0.0032
15 mph	0.0000	0.0000	0.0000	0.0001	0.0011	0.0009	-	-	0.0021
20 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0376	0.0975	0.1369
25 mph	0.0001	0.0000	0.0000	0.0001	0.0017	0.0013	0.0575	0.1414	0.2021
30 mph	0.0001	0.0000	0.0000	0.0001	0.0032	0.0024	0.0865	0.2130	0.3054
35 mph	0.0002	0.0000	0.0001	0.0003	0.0071	0.0053	0.0773	0.1908	0.2811
40 mph	0.0002	0.0000	0.0001	0.0003	0.0077	0.0057	0.0649	0.1607	0.2397
45 mph	0.0002	0.0000	0.0001	0.0002	0.0060	0.0044	0.0448	0.1112	0.1668
50 mph	0.0002	0.0000	0.0001	0.0003	0.0071	0.0051	0.0221	0.0547	0.0895
55 mph	0.0001	0.0000	0.0001	0.0002	0.0041	0.0030	0.0114	0.0284	0.0472
60 mph	0.0001	0.0000	0.0000	0.0001	0.0025	0.0018	0.8499	2.1123	2.9667
65 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	-	-	0.0015
70 mph	0.0015	0.0000	0.0006	0.0019	0.0391	0.0278	-	-	0.0708
total	0.0029	0.0000	0.0012	0.0036	0.0831	0.0603	1.2519	3.1100	4.5130

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0038	0.0041	0.0169	0.0280	0.0528
15 mph	0.0004	0.0000	0.0002	0.0002	0.0032	0.0025	0.0194	0.0497	0.0756
25 mph	-	-	-	-	0.0047	0.0035	0.0634	0.1561	0.2278
35 mph	0.0008	0.0000	0.0004	0.0004	-	-	-	-	0.0016
total	0.0012	0.0000	0.0005	0.0006	0.0117	0.0101	0.0998	0.2338	0.3577

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0038	0.0041	0.0169	0.0280	0.0528
10 mph	0.0008	0.0000	0.0003	0.0005	0.0100	0.0074	0.0466	0.1205	0.1859
15 mph	0.0006	0.0000	0.0003	0.0004	0.0065	0.0049	0.0317	0.0809	0.1253
20 mph	0.0004	0.0000	0.0002	0.0003	0.0046	0.0035	0.0585	0.1516	0.2190
25 mph	0.0017	0.0000	0.0007	0.0010	0.0226	0.0171	0.2211	0.5440	0.8081
30 mph	0.0016	0.0000	0.0007	0.0010	0.0193	0.0146	0.1664	0.4100	0.6137
35 mph	0.0022	0.0000	0.0009	0.0014	0.0203	0.0153	0.1094	0.2701	0.4197
40 mph	0.0006	0.0000	0.0002	0.0005	0.0120	0.0089	0.0977	0.2418	0.3617
45 mph	0.0005	0.0000	0.0002	0.0004	0.0095	0.0070	0.0696	0.1728	0.2599
50 mph	0.0005	0.0000	0.0002	0.0004	0.0107	0.0078	0.0619	0.1532	0.2348
55 mph	0.0004	0.0000	0.0001	0.0003	0.0072	0.0052	0.0208	0.0521	0.0860
60 mph	0.0006	0.0000	0.0002	0.0004	0.0087	0.0062	0.8600	2.1375	3.0136
65 mph	0.0001	0.0000	0.0000	0.0001	0.0016	0.0012	-	-	0.0030
70 mph	0.0015	0.0000	0.0006	0.0019	0.0391	0.0278	-	-	0.0708
total	0.0114	0.0000	0.0047	0.0086	0.1758	0.1309	1.7606	4.3624	6.4544

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
15 mph									-	-
25 mph									-	-
35 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0097	0.0058	0.0238	0.0281	0.0673
10 mph	0.0792	0.0071	0.0348	0.0151	0.0252	0.0125	0.0599	0.1206	0.3544
15 mph	0.0666	0.0059	0.0293	0.0121	0.0191	0.0091	0.0411	0.0810	0.2644
20 mph	0.0439	0.0039	0.0193	0.0085	0.0133	0.0064	0.0754	0.1517	0.3225
25 mph	0.1769	0.0158	0.0778	0.0326	0.0634	0.0308	0.2838	0.5447	1.2258
30 mph	0.1783	0.0159	0.0784	0.0339	0.0534	0.0260	0.2142	0.4105	1.0107
35 mph	0.2469	0.0220	0.1086	0.0459	0.0536	0.0265	0.1420	0.2705	0.9161
40 mph	0.0686	0.0061	0.0302	0.0175	0.0315	0.0155	0.1284	0.2421	0.5398
45 mph	0.0565	0.0050	0.0249	0.0143	0.0254	0.0123	0.0928	0.1731	0.4042
50 mph	0.0611	0.0054	0.0269	0.0158	0.0284	0.0137	0.0834	0.1534	0.3881
55 mph	0.0442	0.0039	0.0194	0.0107	0.0189	0.0091	0.0281	0.0522	0.1865
60 mph	0.0692	0.0062	0.0305	0.0140	0.0233	0.0111	1.1539	2.1406	3.4489
65 mph	0.0109	0.0010	0.0048	0.0025	0.0044	0.0021	-	-	0.0257
70 mph	0.1485	0.0132	0.0653	0.0554	0.1061	0.0501	-	-	0.4386
STREX	0.0041	0.0004	0.0019	0.0033	0.0003	0.0001	0.0003	0.0000	0.0103
total	1.2550	0.1119	0.5521	0.2817	0.4759	0.2311	2.3271	4.3685	**9.6033**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0004	0.0005	0.0005	0.0006	0.0002	0.0002	0.0003	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0041	0.0004	0.0019	0.0033	0.0003	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0041	0.0004	0.0019	0.0033	0.0003	0.0001	0.0003	0.0000

World Logistics Center
Mobile Emissions - 2035 Buildout (Net) - Mitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0383	0.0372	0.0379	0.0387
10 mph	0.0031	0.0036	0.0033	0.0034	0.0048	0.0047	0.0048	0.0049
15 mph	0.0021	0.0024	0.0022	0.0023	0.0032	0.0031	0.0032	0.0032
20 mph	0.0014	0.0017	0.0015	0.0016	0.0022	0.0022	0.0022	0.0023
25 mph	0.0011	0.0012	0.0011	0.0012	0.0017	0.0016	0.0016	0.0017
30 mph	0.0008	0.0010	0.0009	0.0009	0.0013	0.0013	0.0013	0.0013
35 mph	0.0007	0.0008	0.0007	0.0007	0.0011	0.0010	0.0010	0.0011
40 mph	0.0006	0.0007	0.0006	0.0007	0.0009	0.0009	0.0009	0.0009
45 mph	0.0005	0.0006	0.0006	0.0006	0.0008	0.0008	0.0008	0.0009
50 mph	0.0005	0.0006	0.0006	0.0006	0.0008	0.0008	0.0008	0.0008
55 mph	0.0005	0.0006	0.0006	0.0006	0.0008	0.0008	0.0008	0.0008
60 mph	0.0006	0.0007	0.0006	0.0006	0.0009	0.0009	0.0009	0.0009
65 mph	0.0006	0.0007	0.0007	0.0006	0.0010	0.0010		
70 mph	0.0007	0.0008	0.0007	0.0008	0.0011	0.0011		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7943	0.7957	0.0073	0.0101
10 mph	0.0024	0.0223	0.0087	0.0029	0.0159	0.0283	0.0043	0.0106
15 mph	0.0021	0.0177	0.0076	0.0025	0.0130	0.0239	0.0034	0.0082
20 mph	0.0017	0.0140	0.0065	0.0021	0.0111	0.0202	0.0029	0.0060
25 mph	0.0015	0.0113	0.0055	0.0018	0.0093	0.0172	0.0028	0.0062
30 mph	0.0013	0.0094	0.0049	0.0016	0.0083	0.0152	0.0030	0.0067
35 mph	0.0012	0.0079	0.0044	0.0015	0.0075	0.0138	0.0036	0.0081
40 mph	0.0011	0.0072	0.0041	0.0014	0.0070	0.0127	0.0047	0.0105
45 mph	0.0010	0.0068	0.0038	0.0013	0.0065	0.0118	0.0061	0.0137
50 mph	0.0010	0.0064	0.0035	0.0012	0.0062	0.0111	0.0078	0.0175
55 mph	0.0009	0.0064	0.0033	0.0011	0.0059	0.0105	0.0100	0.0230
60 mph	0.0009	0.0067	0.0032	0.0011	0.0058	0.0104	0.0125	0.0284
65 mph	0.0009	0.0068	0.0032	0.0011	0.0061	0.0107		
70 mph	0.0010	0.0046	0.0032	0.0012	0.0082	0.0125		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0213
10 mph								0.0054
15 mph								0.0045
20 mph								0.0039
25 mph								0.0036
30 mph								0.0033
35 mph								0.0031
40 mph								0.0029
45 mph								0.0028
50 mph								0.0027
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0578	0.0051	0.0232	0.0076	0.0047	0.0013	0.0024	0.0000	0.1023
15 mph	0.0153	0.0014	0.0062	0.0020	0.0013	0.0004	0.0005	0.0000	0.0270
20 mph	0.0215	0.0019	0.0087	0.0028	0.0018	0.0005	0.0008	0.0000	0.0379
25 mph	0.0792	0.0070	0.0319	0.0105	0.0065	0.0018	0.0031	0.0000	0.1402
30 mph	0.0679	0.0060	0.0273	0.0090	0.0056	0.0016	0.0022	0.0000	0.1196
35 mph	0.0457	0.0041	0.0184	0.0061	0.0037	0.0011	0.0008	0.0000	0.0797
40 mph	0.0132	0.0012	0.0053	0.0018	0.0011	0.0003	0.0008	0.0000	0.0236
45 mph	0.0101	0.0009	0.0040	0.0013	0.0008	0.0002	0.0006	0.0000	0.0180
50 mph	0.0097	0.0009	0.0039	0.0013	0.0008	0.0002	0.0009	0.0000	0.0177
55 mph	0.0079	0.0007	0.0032	0.0011	0.0007	0.0002	0.0002	0.0000	0.0139
60 mph	0.0170	0.0015	0.0068	0.0023	0.0014	0.0004	0.0002	0.0000	0.0296
65 mph	0.0024	0.0002	0.0010	0.0003	0.0002	0.0001	-	-	0.0041
70 mph	-	-	-	-	-	-	-	-	-
total	0.3477	0.0309	0.1399	0.0461	0.0285	0.0080	0.0124	0.0001	0.6137

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0048	0.0004	0.0019	0.0013	0.0010	0.0003	-	-	0.0097
15 mph	0.0032	0.0003	0.0013	0.0009	0.0007	0.0002	-	-	0.0065
20 mph	0.0022	0.0002	0.0009	0.0006	0.0005	0.0001	0.0014	0.0000	0.0059
25 mph	0.0033	0.0003	0.0013	0.0009	0.0007	0.0002	0.0018	0.0000	0.0085
30 mph	0.0051	0.0005	0.0021	0.0014	0.0011	0.0003	0.0023	0.0000	0.0128
35 mph	0.0094	0.0008	0.0038	0.0026	0.0020	0.0006	0.0019	0.0000	0.0212
40 mph	0.0091	0.0008	0.0037	0.0025	0.0019	0.0005	0.0015	0.0000	0.0201
45 mph	0.0067	0.0006	0.0027	0.0018	0.0014	0.0004	0.0010	0.0000	0.0146
50 mph	0.0072	0.0006	0.0029	0.0020	0.0015	0.0004	0.0005	0.0000	0.0153
55 mph	0.0041	0.0004	0.0016	0.0011	0.0009	0.0002	0.0003	0.0000	0.0086
60 mph	0.0026	0.0002	0.0011	0.0007	0.0006	0.0002	0.0188	0.0002	0.0244
65 mph	0.0010	0.0001	0.0004	0.0002	0.0002	0.0001	-	-	0.0020
70 mph	0.0505	0.0044	0.0197	0.0138	0.0106	0.0030	-	-	0.1020
total	0.1092	0.0096	0.0433	0.0300	0.0231	0.0065	0.0295	0.0003	0.2515

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0046	0.0013	0.0021	0.0000	0.0080
15 mph	0.0242	0.0022	0.0098	0.0029	0.0019	0.0005	0.0009	0.0000	0.0424
25 mph	-	-	-	-	0.0019	0.0005	0.0019	0.0000	0.0044
35 mph	0.0345	0.0031	0.0139	0.0039	-	-	-	-	0.0553
total	0.0587	0.0052	0.0236	0.0068	0.0083	0.0023	0.0049	0.0001	0.1100

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0046	0.0013	0.0021	0.0000	0.0080
10 mph	0.0626	0.0055	0.0252	0.0090	0.0058	0.0016	0.0024	0.0000	0.1121
15 mph	0.0427	0.0038	0.0172	0.0058	0.0038	0.0011	0.0014	0.0000	0.0759
20 mph	0.0237	0.0021	0.0095	0.0035	0.0022	0.0006	0.0021	0.0000	0.0438
25 mph	0.0825	0.0073	0.0332	0.0114	0.0091	0.0026	0.0067	0.0001	0.1530
30 mph	0.0730	0.0065	0.0294	0.0104	0.0067	0.0019	0.0045	0.0000	0.1324
35 mph	0.0896	0.0080	0.0360	0.0125	0.0058	0.0016	0.0027	0.0000	0.1562
40 mph	0.0223	0.0020	0.0090	0.0043	0.0030	0.0008	0.0023	0.0000	0.0437
45 mph	0.0167	0.0015	0.0067	0.0032	0.0022	0.0006	0.0016	0.0000	0.0326
50 mph	0.0170	0.0015	0.0068	0.0033	0.0023	0.0007	0.0014	0.0000	0.0329
55 mph	0.0120	0.0011	0.0048	0.0022	0.0015	0.0004	0.0005	0.0000	0.0225
60 mph	0.0197	0.0017	0.0079	0.0030	0.0020	0.0006	0.0191	0.0002	0.0540
65 mph	0.0034	0.0003	0.0014	0.0005	0.0004	0.0001	-	-	0.0061
70 mph	0.0505	0.0044	0.0197	0.0138	0.0106	0.0030	-	-	0.1020
total	0.5157	0.0457	0.2069	0.0829	0.0600	0.0169	0.0468	0.0004	0.9752

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0005	0.0000	0.0006	0.0002	0.0164	0.0193	0.0131	0.0584	0.1086
15 mph	0.0002	0.0000	0.0002	0.0001	0.0054	0.0065	0.0034	0.0151	0.0309
20 mph	0.0003	0.0000	0.0004	0.0001	0.0091	0.0111	0.0059	0.0223	0.0491
25 mph	0.0013	0.0000	0.0015	0.0006	0.0386	0.0470	0.0308	0.1246	0.2443
30 mph	0.0013	0.0000	0.0015	0.0005	0.0376	0.0457	0.0305	0.1236	0.2407
35 mph	0.0010	0.0000	0.0011	0.0004	0.0280	0.0339	0.0166	0.0673	0.1483
40 mph	0.0003	0.0000	0.0003	0.0001	0.0086	0.0104	0.0236	0.0962	0.1395
45 mph	0.0002	0.0000	0.0003	0.0001	0.0067	0.0081	0.0245	0.1005	0.1404
50 mph	0.0002	0.0000	0.0002	0.0001	0.0064	0.0076	0.0516	0.2097	0.2759
55 mph	0.0002	0.0000	0.0002	0.0001	0.0048	0.0058	0.0152	0.0633	0.0896
60 mph	0.0003	0.0000	0.0004	0.0001	0.0096	0.0114	0.0191	0.0782	0.1191
65 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0015	-	-	0.0028
70 mph	-	-	-	-	-	-	-	-	-
total	0.0058	0.0000	0.0066	0.0024	0.1726	0.2082	0.2343	0.9592	1.5892

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0035	0.0041	-	-	0.0078
15 mph	0.0000	0.0000	0.0000	0.0000	0.0029	0.0035	-	-	0.0065
20 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0030	0.0106	0.0401	0.0562
25 mph	0.0001	0.0000	0.0001	0.0000	0.0041	0.0050	0.0176	0.0715	0.0984
30 mph	0.0001	0.0000	0.0001	0.0001	0.0073	0.0089	0.0330	0.1337	0.1832
35 mph	0.0002	0.0000	0.0002	0.0002	0.0150	0.0182	0.0399	0.1619	0.2356
40 mph	0.0002	0.0000	0.0002	0.0002	0.0154	0.0186	0.0468	0.1907	0.2721
45 mph	0.0001	0.0000	0.0002	0.0001	0.0115	0.0138	0.0442	0.1812	0.2513
50 mph	0.0002	0.0000	0.0002	0.0001	0.0123	0.0147	0.0286	0.1163	0.1725
55 mph	0.0001	0.0000	0.0001	0.0001	0.0065	0.0077	0.0183	0.0761	0.1089
60 mph	0.0000	0.0000	0.0001	0.0000	0.0039	0.0046	1.6040	6.5821	8.1947
65 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0016	-	-	0.0030
70 mph	0.0008	0.0000	0.0008	0.0007	0.0839	0.0839	-	-	0.1702
total	0.0019	0.0000	0.0021	0.0017	0.1702	0.1876	1.8431	7.5536	9.7603

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0993	0.0658	0.0024	0.0061	0.1735
15 mph	0.0003	0.0000	0.0003	0.0001	0.0082	0.0099	0.0055	0.0240	0.0483
25 mph	-	-	-	-	0.0111	0.0136	0.0195	0.0789	0.1231
35 mph	0.0007	0.0000	0.0008	0.0003	-	-	-	-	0.0018
total	0.0010	0.0000	0.0012	0.0004	0.1186	0.0893	0.0274	0.1090	0.3468

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0993	0.0658	0.0024	0.0061	0.1735
10 mph	0.0006	0.0000	0.0006	0.0003	0.0200	0.0235	0.0131	0.0584	0.1164
15 mph	0.0005	0.0000	0.0006	0.0002	0.0165	0.0199	0.0089	0.0391	0.0858
20 mph	0.0003	0.0000	0.0004	0.0002	0.0116	0.0140	0.0164	0.0624	0.1053
25 mph	0.0014	0.0000	0.0016	0.0006	0.0538	0.0656	0.0679	0.2750	0.4658
30 mph	0.0014	0.0000	0.0016	0.0006	0.0449	0.0546	0.0635	0.2572	0.4238
35 mph	0.0019	0.0000	0.0021	0.0008	0.0430	0.0521	0.0566	0.2292	0.3857
40 mph	0.0005	0.0000	0.0006	0.0003	0.0240	0.0289	0.0704	0.2869	0.4116
45 mph	0.0004	0.0000	0.0004	0.0002	0.0183	0.0219	0.0688	0.2817	0.3917
50 mph	0.0004	0.0000	0.0004	0.0002	0.0187	0.0223	0.0802	0.3260	0.4483
55 mph	0.0002	0.0000	0.0003	0.0001	0.0113	0.0135	0.0335	0.1394	0.1984
60 mph	0.0004	0.0000	0.0004	0.0002	0.0135	0.0159	1.6231	6.6604	8.3138
65 mph	0.0001	0.0000	0.0001	0.0000	0.0026	0.0030	-	-	0.0058
70 mph	0.0008	0.0000	0.0008	0.0007	0.0839	0.0839	-	-	0.1702
total	0.0087	0.0001	0.0099	0.0045	0.4614	0.4850	2.1047	8.6218	11.6962

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0021	0.0021
15 mph								0.0006	0.0006
20 mph								0.0010	0.0010
25 mph								0.0051	0.0051
30 mph								0.0043	0.0043
35 mph								0.0018	0.0018
40 mph								0.0019	0.0019
45 mph								0.0015	0.0015
50 mph								0.0023	0.0023
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0206	0.0206

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0018	0.0018
25 mph								0.0029	0.0029
30 mph								0.0046	0.0046
35 mph								0.0043	0.0043
40 mph								0.0038	0.0038
45 mph								0.0026	0.0026
50 mph								0.0013	0.0013
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0137	0.0137

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
15 mph								0.0009	0.0009
25 mph								0.0032	0.0032
35 mph								-	-
total	-	-	-	-	-	-	-	0.0051	0.0051

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
10 mph								0.0021	0.0021
15 mph								0.0015	0.0015
20 mph								0.0029	0.0029
25 mph								0.0113	0.0113
30 mph								0.0089	0.0089
35 mph								0.0061	0.0061
40 mph								0.0057	0.0057
45 mph								0.0041	0.0041
50 mph								0.0036	0.0036
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0471	0.0471

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1038	0.0671	0.0045	0.0070	0.1824
10 mph	0.0632	0.0056	0.0258	0.0092	0.0257	0.0251	0.0155	0.0605	0.2306
15 mph	0.0432	0.0038	0.0178	0.0061	0.0203	0.0210	0.0103	0.0407	0.1632
20 mph	0.0240	0.0021	0.0099	0.0036	0.0138	0.0147	0.0185	0.0653	0.1520
25 mph	0.0839	0.0073	0.0348	0.0120	0.0629	0.0682	0.0746	0.2863	0.6301
30 mph	0.0744	0.0065	0.0310	0.0111	0.0515	0.0565	0.0680	0.2662	0.5651
35 mph	0.0915	0.0080	0.0382	0.0134	0.0488	0.0537	0.0593	0.2354	0.5481
40 mph	0.0228	0.0020	0.0095	0.0046	0.0270	0.0298	0.0727	0.2926	0.4610
45 mph	0.0171	0.0015	0.0071	0.0034	0.0205	0.0225	0.0703	0.2858	0.4284
50 mph	0.0173	0.0015	0.0072	0.0035	0.0211	0.0230	0.0816	0.3297	0.4849
55 mph	0.0123	0.0011	0.0051	0.0023	0.0128	0.0139	0.0339	0.1395	0.2209
60 mph	0.0200	0.0017	0.0083	0.0032	0.0154	0.0165	1.6421	6.6605	8.3678
65 mph	0.0035	0.0003	0.0014	0.0006	0.0030	0.0031	-	-	0.0119
70 mph	0.0513	0.0044	0.0206	0.0145	0.0945	0.0869	-	-	0.2722
STREX	0.0102	0.0009	0.0040	0.0059	0.0006	0.0002	0.0004	0.0000	0.0220
total	0.5346	0.0466	0.2208	0.0933	0.5219	0.5020	2.1519	8.6693	**12.7405**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0010	0.0011	0.0010	0.0011	0.0003	0.0003	0.0004	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0102	0.0009	0.0040	0.0059	0.0006	0.0002	0.0004	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0102	0.0009	0.0040	0.0059	0.0006	0.0002	0.0004	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	16.7110	1.2771	6.2875	2.0110	1.6562	0.5537	1.2048	0.0064
Diesel	0.1978	0.0002	0.0612	0.0677	1.8270	1.3825	7.2094	8.8473
Electric/NG	0.9398	0.0396	0.2416	0.0847	-	-	-	0.6374
Total	17.8487	1.3169	6.5904	2.1634	3.4832	1.9362	8.4143	9.4911

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	6.9105	0.5281	2.6001	1.7368	1.7757	0.5937	4.3441	0.0231
Diesel	0.0818	0.0001	0.0253	0.0584	1.9588	1.4823	25.9936	31.8990
Electric/NG	0.3886	0.0164	0.0999	0.0732	-	-	-	2.2983
Total	7.3809	0.5446	2.7253	1.8684	3.7346	2.0760	30.3377	34.2204

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.8013	0.2141	1.0540	0.2883	0.1459	0.0488	0.2062	0.0011
Diesel	0.0332	0.0000	0.0103	0.0097	0.1609	0.1218	1.2340	1.5144
Electric/NG	0.1575	0.0066	0.0405	0.0121	-	-	-	0.1091
Total	2.9921	0.2208	1.1048	0.3102	0.3068	0.1706	1.4403	1.6246

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	26.4228	2.0193	9.9416	4.0361	3.5778	1.1962	5.7552	0.0306	52.9797
Diesel	0.3128	0.0003	0.0968	0.1358	3.9467	2.9865	34.4371	42.2607	84.1767
Electric/NG	1.4860	0.0626	0.3820	0.1700	-	-	-	3.0448	5.1455
Total	28.2217	2.0822	10.4204	4.3419	7.5245	4.1828	40.1922	45.3362	**142.3019**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	138.0773
Internal	94.3759
Total	**232.4532**

World Logistics Center
Mobile Emissions - 2035 Buildout (Net) - Mitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0353	0.0342	0.0348	0.0356
10 mph	0.0028	0.0033	0.0030	0.0031	0.0044	0.0043	0.0044	0.0045
15 mph	0.0019	0.0022	0.0020	0.0021	0.0029	0.0029	0.0029	0.0030
20 mph	0.0013	0.0015	0.0014	0.0015	0.0021	0.0020	0.0020	0.0021
25 mph	0.0010	0.0011	0.0010	0.0011	0.0015	0.0015	0.0015	0.0015
30 mph	0.0008	0.0009	0.0008	0.0008	0.0012	0.0012	0.0012	0.0012
35 mph	0.0006	0.0007	0.0007	0.0007	0.0010	0.0009	0.0010	0.0010
40 mph	0.0005	0.0006	0.0006	0.0006	0.0008	0.0008	0.0008	0.0009
45 mph	0.0005	0.0006	0.0005	0.0005	0.0008	0.0007	0.0008	0.0008
50 mph	0.0005	0.0006	0.0005	0.0005	0.0007	0.0007	0.0007	0.0008
55 mph	0.0005	0.0006	0.0005	0.0005	0.0008	0.0007	0.0008	0.0008
60 mph	0.0005	0.0006	0.0006	0.0006	0.0008	0.0008	0.0008	0.0008
65 mph	0.0006	0.0007	0.0006	0.0007	0.0009	0.0009		
70 mph	0.0007	0.0007	0.0007	0.0007	0.0010	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7599	0.7612	0.0070	0.0096
10 mph	0.0023	0.0213	0.0083	0.0028	0.0152	0.0271	0.0041	0.0101
15 mph	0.0020	0.0169	0.0072	0.0024	0.0125	0.0228	0.0033	0.0079
20 mph	0.0017	0.0134	0.0062	0.0020	0.0106	0.0194	0.0028	0.0058
25 mph	0.0014	0.0108	0.0053	0.0017	0.0089	0.0165	0.0026	0.0059
30 mph	0.0013	0.0090	0.0047	0.0016	0.0079	0.0146	0.0029	0.0064
35 mph	0.0011	0.0076	0.0042	0.0014	0.0072	0.0132	0.0035	0.0078
40 mph	0.0010	0.0069	0.0039	0.0013	0.0067	0.0121	0.0045	0.0100
45 mph	0.0010	0.0065	0.0036	0.0012	0.0062	0.0113	0.0058	0.0131
50 mph	0.0009	0.0061	0.0034	0.0011	0.0059	0.0107	0.0075	0.0168
55 mph	0.0009	0.0062	0.0032	0.0011	0.0056	0.0101	0.0096	0.0220
60 mph	0.0008	0.0065	0.0031	0.0010	0.0056	0.0099	0.0120	0.0271
65 mph	0.0009	0.0065	0.0031	0.0011	0.0058	0.0102		
70 mph	0.0009	0.0044	0.0031	0.0012	0.0079	0.0119		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0203
10 mph								0.0051
15 mph								0.0043
20 mph								0.0038
25 mph								0.0034
30 mph								0.0031
35 mph								0.0029
40 mph								0.0028
45 mph								0.0027
50 mph								0.0026
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0531	0.0047	0.0214	0.0070	0.0044	0.0012	0.0022	0.0000	0.0941
15 mph	0.0141	0.0013	0.0057	0.0019	0.0012	0.0003	0.0005	0.0000	0.0249
20 mph	0.0197	0.0018	0.0080	0.0026	0.0016	0.0005	0.0007	0.0000	0.0348
25 mph	0.0729	0.0065	0.0294	0.0097	0.0060	0.0017	0.0028	0.0000	0.1289
30 mph	0.0624	0.0055	0.0251	0.0083	0.0051	0.0014	0.0020	0.0000	0.1100
35 mph	0.0420	0.0037	0.0169	0.0056	0.0034	0.0010	0.0007	0.0000	0.0733
40 mph	0.0121	0.0011	0.0049	0.0016	0.0010	0.0003	0.0007	0.0000	0.0217
45 mph	0.0093	0.0008	0.0037	0.0012	0.0008	0.0002	0.0005	0.0000	0.0165
50 mph	0.0089	0.0008	0.0036	0.0012	0.0007	0.0002	0.0008	0.0000	0.0163
55 mph	0.0073	0.0006	0.0029	0.0010	0.0006	0.0002	0.0002	0.0000	0.0128
60 mph	0.0156	0.0014	0.0063	0.0021	0.0013	0.0004	0.0002	0.0000	0.0272
65 mph	0.0022	0.0002	0.0009	0.0003	0.0002	0.0001	-	-	0.0038
70 mph	-	-	-	-	-	-	-	-	-
total	0.3197	0.0284	0.1286	0.0424	0.0262	0.0074	0.0114	0.0001	0.5643

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0044	0.0004	0.0018	0.0012	0.0009	0.0003	-	-	0.0090
15 mph	0.0029	0.0003	0.0012	0.0008	0.0006	0.0002	-	-	0.0059
20 mph	0.0020	0.0002	0.0008	0.0006	0.0004	0.0001	0.0012	0.0000	0.0054
25 mph	0.0030	0.0003	0.0012	0.0008	0.0006	0.0002	0.0016	0.0000	0.0078
30 mph	0.0047	0.0004	0.0019	0.0013	0.0010	0.0003	0.0022	0.0000	0.0118
35 mph	0.0087	0.0008	0.0035	0.0024	0.0018	0.0005	0.0018	0.0000	0.0195
40 mph	0.0084	0.0007	0.0034	0.0023	0.0018	0.0005	0.0014	0.0000	0.0185
45 mph	0.0061	0.0005	0.0025	0.0017	0.0013	0.0004	0.0009	0.0000	0.0134
50 mph	0.0067	0.0006	0.0027	0.0018	0.0014	0.0004	0.0005	0.0000	0.0140
55 mph	0.0038	0.0003	0.0015	0.0010	0.0008	0.0002	0.0002	0.0000	0.0079
60 mph	0.0024	0.0002	0.0010	0.0007	0.0005	0.0001	0.0173	0.0002	0.0224
65 mph	0.0009	0.0001	0.0004	0.0003	0.0002	0.0001	-	-	0.0019
70 mph	0.0464	0.0040	0.0181	0.0127	0.0098	0.0027	-	-	0.0938
total	0.1004	0.0088	0.0398	0.0277	0.0212	0.0060	0.0271	0.0003	0.2313

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0042	0.0012	0.0019	0.0000	0.0073
15 mph	0.0223	0.0020	0.0090	0.0027	0.0018	0.0005	0.0008	0.0000	0.0390
25 mph	-	-	-	-	0.0017	0.0005	0.0018	0.0000	0.0040
35 mph	0.0317	0.0028	0.0128	0.0035	-	-	-	-	0.0508
total	0.0540	0.0048	0.0217	0.0062	0.0077	0.0022	0.0045	0.0000	0.1011

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0042	0.0012	0.0019	0.0000	0.0073
10 mph	0.0575	0.0051	0.0231	0.0082	0.0053	0.0015	0.0022	0.0000	0.1031
15 mph	0.0393	0.0035	0.0158	0.0054	0.0035	0.0010	0.0013	0.0000	0.0698
20 mph	0.0218	0.0019	0.0088	0.0032	0.0021	0.0006	0.0019	0.0000	0.0403
25 mph	0.0759	0.0067	0.0306	0.0105	0.0083	0.0024	0.0062	0.0001	0.1407
30 mph	0.0671	0.0060	0.0270	0.0096	0.0061	0.0017	0.0041	0.0000	0.1217
35 mph	0.0824	0.0073	0.0331	0.0115	0.0053	0.0015	0.0025	0.0000	0.1437
40 mph	0.0205	0.0018	0.0082	0.0039	0.0028	0.0008	0.0021	0.0000	0.0402
45 mph	0.0154	0.0014	0.0062	0.0029	0.0021	0.0006	0.0015	0.0000	0.0300
50 mph	0.0156	0.0014	0.0063	0.0030	0.0021	0.0006	0.0013	0.0000	0.0303
55 mph	0.0111	0.0010	0.0044	0.0020	0.0014	0.0004	0.0004	0.0000	0.0207
60 mph	0.0181	0.0016	0.0072	0.0027	0.0018	0.0005	0.0175	0.0002	0.0497
65 mph	0.0031	0.0003	0.0013	0.0005	0.0004	0.0001	-	-	0.0057
70 mph	0.0464	0.0040	0.0181	0.0127	0.0098	0.0027	-	-	0.0938
total	0.4741	0.0420	0.1902	0.0763	0.0551	0.0155	0.0430	0.0004	0.8967

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0005	0.0000	0.0006	0.0002	0.0157	0.0185	0.0125	0.0559	0.1039
15 mph	0.0002	0.0000	0.0002	0.0001	0.0052	0.0062	0.0033	0.0144	0.0296
20 mph	0.0003	0.0000	0.0003	0.0001	0.0087	0.0106	0.0056	0.0213	0.0470
25 mph	0.0013	0.0000	0.0014	0.0005	0.0369	0.0450	0.0294	0.1192	0.2337
30 mph	0.0012	0.0000	0.0014	0.0005	0.0359	0.0437	0.0292	0.1182	0.2302
35 mph	0.0009	0.0000	0.0010	0.0004	0.0268	0.0324	0.0159	0.0644	0.1419
40 mph	0.0003	0.0000	0.0003	0.0001	0.0082	0.0099	0.0226	0.0920	0.1335
45 mph	0.0002	0.0000	0.0002	0.0001	0.0064	0.0077	0.0235	0.0962	0.1343
50 mph	0.0002	0.0000	0.0002	0.0001	0.0061	0.0073	0.0494	0.2006	0.2639
55 mph	0.0002	0.0000	0.0002	0.0001	0.0046	0.0055	0.0145	0.0606	0.0857
60 mph	0.0003	0.0000	0.0003	0.0001	0.0092	0.0109	0.0182	0.0749	0.1139
65 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0014	-	-	0.0027
70 mph	-	-	-	-	-	-	-	-	-
total	0.0056	0.0000	0.0064	0.0023	0.1651	0.1992	0.2241	0.9177	1.5204

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0034	0.0040	-	-	0.0075
15 mph	0.0000	0.0000	0.0000	0.0000	0.0028	0.0033	-	-	0.0062
20 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0028	0.0101	0.0384	0.0538
25 mph	0.0001	0.0000	0.0001	0.0000	0.0040	0.0048	0.0169	0.0684	0.0942
30 mph	0.0001	0.0000	0.0001	0.0001	0.0070	0.0085	0.0316	0.1279	0.1753
35 mph	0.0002	0.0000	0.0002	0.0002	0.0144	0.0174	0.0382	0.1549	0.2254
40 mph	0.0002	0.0000	0.0002	0.0002	0.0147	0.0178	0.0448	0.1825	0.2603
45 mph	0.0001	0.0000	0.0002	0.0001	0.0110	0.0132	0.0423	0.1734	0.2404
50 mph	0.0002	0.0000	0.0002	0.0001	0.0118	0.0141	0.0274	0.1113	0.1650
55 mph	0.0001	0.0000	0.0001	0.0001	0.0062	0.0074	0.0175	0.0728	0.1041
60 mph	0.0000	0.0000	0.0001	0.0000	0.0037	0.0044	1.5346	6.2974	7.8402
65 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0015	-	-	0.0028
70 mph	0.0008	0.0000	0.0008	0.0007	0.0803	0.0803	-	-	0.1629
total	0.0018	0.0000	0.0020	0.0016	0.1629	0.1795	1.7634	7.2268	9.3380

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0950	0.0629	0.0023	0.0058	0.1660
15 mph	0.0003	0.0000	0.0003	0.0001	0.0078	0.0095	0.0052	0.0230	0.0462
25 mph	-	-	-	-	0.0106	0.0130	0.0186	0.0755	0.1178
35 mph	0.0007	0.0000	0.0008	0.0002	-	-	-	-	0.0017
total	0.0010	0.0000	0.0011	0.0003	0.1135	0.0854	0.0262	0.1043	0.3318

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0950	0.0629	0.0023	0.0058	0.1660
10 mph	0.0005	0.0000	0.0006	0.0002	0.0191	0.0225	0.0125	0.0559	0.1114
15 mph	0.0005	0.0000	0.0006	0.0002	0.0157	0.0191	0.0085	0.0374	0.0820
20 mph	0.0003	0.0000	0.0004	0.0001	0.0111	0.0134	0.0157	0.0597	0.1008
25 mph	0.0013	0.0000	0.0015	0.0006	0.0515	0.0628	0.0649	0.2631	0.4457
30 mph	0.0013	0.0000	0.0015	0.0006	0.0429	0.0523	0.0608	0.2461	0.4055
35 mph	0.0018	0.0000	0.0020	0.0008	0.0412	0.0498	0.0541	0.2193	0.3690
40 mph	0.0005	0.0000	0.0005	0.0003	0.0230	0.0277	0.0674	0.2745	0.3938
45 mph	0.0004	0.0000	0.0004	0.0002	0.0175	0.0209	0.0658	0.2695	0.3747
50 mph	0.0004	0.0000	0.0004	0.0002	0.0179	0.0213	0.0768	0.3119	0.4289
55 mph	0.0002	0.0000	0.0003	0.0001	0.0108	0.0129	0.0320	0.1334	0.1898
60 mph	0.0003	0.0000	0.0004	0.0002	0.0129	0.0152	1.5529	6.3722	7.9541
65 mph	0.0001	0.0000	0.0001	0.0000	0.0025	0.0029	-	-	0.0055
70 mph	0.0008	0.0000	0.0008	0.0007	0.0803	0.0803	-	-	0.1629
total	0.0084	0.0001	0.0095	0.0043	0.4414	0.4640	2.0137	8.2488	11.1902

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0020	0.0020
15 mph								0.0006	0.0006
20 mph								0.0010	0.0010
25 mph								0.0049	0.0049
30 mph								0.0041	0.0041
35 mph								0.0017	0.0017
40 mph								0.0018	0.0018
45 mph								0.0014	0.0014
50 mph								0.0022	0.0022
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0197	0.0197

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0018	0.0018
25 mph								0.0028	0.0028
30 mph								0.0044	0.0044
35 mph								0.0041	0.0041
40 mph								0.0036	0.0036
45 mph								0.0025	0.0025
50 mph								0.0012	0.0012
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0131	0.0131

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
15 mph								0.0009	0.0009
25 mph								0.0031	0.0031
35 mph								-	-
total	-	-	-	-	-	-	-	0.0049	0.0049

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
10 mph								0.0020	0.0020
15 mph								0.0015	0.0015
20 mph								0.0027	0.0027
25 mph								0.0108	0.0108
30 mph								0.0085	0.0085
35 mph								0.0059	0.0059
40 mph								0.0054	0.0054
45 mph								0.0039	0.0039
50 mph								0.0034	0.0034
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0450	0.0450

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0992	0.0641	0.0042	0.0067	0.1742
10 mph	0.0581	0.0051	0.0238	0.0085	0.0244	0.0239	0.0147	0.0579	0.2164
15 mph	0.0398	0.0035	0.0164	0.0056	0.0193	0.0201	0.0098	0.0389	0.1533
20 mph	0.0221	0.0019	0.0091	0.0033	0.0131	0.0140	0.0177	0.0624	0.1438
25 mph	0.0772	0.0068	0.0321	0.0111	0.0598	0.0651	0.0711	0.2739	0.5971
30 mph	0.0685	0.0060	0.0285	0.0102	0.0491	0.0540	0.0649	0.2547	0.5358
35 mph	0.0842	0.0073	0.0352	0.0123	0.0465	0.0513	0.0566	0.2252	0.5186
40 mph	0.0210	0.0018	0.0088	0.0042	0.0258	0.0285	0.0695	0.2799	0.4394
45 mph	0.0157	0.0014	0.0066	0.0031	0.0195	0.0215	0.0672	0.2735	0.4086
50 mph	0.0159	0.0014	0.0067	0.0032	0.0201	0.0219	0.0780	0.3154	0.4627
55 mph	0.0113	0.0010	0.0047	0.0021	0.0122	0.0133	0.0325	0.1334	0.2105
60 mph	0.0184	0.0016	0.0076	0.0029	0.0147	0.0157	1.5704	6.3724	8.0038
65 mph	0.0032	0.0003	0.0013	0.0006	0.0029	0.0030	-	-	0.0112
70 mph	0.0472	0.0040	0.0189	0.0134	0.0900	0.0830	-	-	0.2566
STREX	0.0094	0.0008	0.0037	0.0054	0.0005	0.0001	0.0003	0.0000	0.0203
total	0.4919	0.0429	0.2033	0.0861	0.4971	0.4797	2.0570	8.2943	**12.1522**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0009	0.0010	0.0010	0.0010	0.0003	0.0003	0.0004	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0094	0.0008	0.0037	0.0054	0.0005	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0094	0.0008	0.0037	0.0054	0.0005	0.0001	0.0003	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	6.6284	0.5066	2.4939	0.7976	0.6818	0.2292	0.4982	0.0025
Diesel	0.0785	0.0001	0.0243	0.0268	0.7387	0.5632	2.9812	3.2098
Electric/NG	0.3728	0.0157	0.0958	0.0336	-	-	-	0.2313
Total	7.0796	0.5223	2.6141	0.8581	1.4205	0.7924	3.4794	3.4435

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.7410	0.2095	1.0313	0.6889	0.7310	0.2457	1.7964	0.0089
Diesel	0.0325	0.0000	0.0100	0.0232	0.7920	0.6039	10.7488	11.5729
Electric/NG	0.1542	0.0065	0.0396	0.0290	-	-	-	0.8338
Total	2.9276	0.2160	1.0810	0.7411	1.5230	0.8496	12.5451	12.4156

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.1111	0.0849	0.4181	0.1144	0.0601	0.0202	0.0853	0.0004
Diesel	0.0132	0.0000	0.0041	0.0038	0.0651	0.0496	0.5103	0.5494
Electric/NG	0.0625	0.0026	0.0161	0.0048	-	-	-	0.0396
Total	1.1868	0.0876	0.4382	0.1230	0.1251	0.0698	0.5956	0.5894

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	10.4806	0.8010	3.9433	1.6009	1.4728	0.4951	2.3799	0.0118	21.1853
Diesel	0.1241	0.0001	0.0384	0.0539	1.5958	1.2167	14.2403	15.3321	32.6014
Electric/NG	0.5894	0.0248	0.1515	0.0674	-	-	-	1.1047	1.9379
Total	11.1941	0.8259	4.1332	1.7222	3.0686	1.7118	16.6202	16.4486	**55.7246**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	33.8917
Internal	23.1650
Total	**57.0567**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0764	0.0494	0.0033	0.0051	0.1341
10 mph	0.0372	0.0033	0.0152	0.0054	0.0188	0.0184	0.0114	0.0446	0.1542
15 mph	0.0254	0.0022	0.0105	0.0036	0.0148	0.0154	0.0076	0.0300	0.1096
20 mph	0.0141	0.0012	0.0059	0.0021	0.0101	0.0108	0.0136	0.0481	0.1060
25 mph	0.0494	0.0043	0.0205	0.0071	0.0461	0.0501	0.0548	0.2109	0.4433
30 mph	0.0438	0.0038	0.0183	0.0065	0.0378	0.0416	0.0500	0.1961	0.3978
35 mph	0.0539	0.0047	0.0225	0.0079	0.0358	0.0395	0.0436	0.1734	0.3812
40 mph	0.0134	0.0012	0.0056	0.0027	0.0198	0.0219	0.0535	0.2155	0.3337
45 mph	0.0101	0.0009	0.0042	0.0020	0.0150	0.0166	0.0518	0.2106	0.3111
50 mph	0.0102	0.0009	0.0043	0.0021	0.0155	0.0169	0.0601	0.2429	0.3527
55 mph	0.0072	0.0006	0.0030	0.0014	0.0094	0.0102	0.0250	0.1027	0.1596
60 mph	0.0118	0.0010	0.0049	0.0019	0.0113	0.0121	1.2092	4.9067	6.1589
65 mph	0.0020	0.0002	0.0008	0.0004	0.0022	0.0023	-	-	0.0079
70 mph	0.0302	0.0026	0.0121	0.0086	0.0693	0.0639	-	-	0.1867
total	0.3088	0.0269	0.1278	0.0516	0.3824	0.3692	1.5836	6.3866	9.2370

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2035 Buildout (Net) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	2,870	2.40	0.32	0.0005	1.3	0.0019	5.5
2	L	4,033	2.40	0.32	0.0005	1.9	0.0019	7.7
3	L	3,825	2.40	0.32	0.0005	1.8	0.0019	7.3
5	L	6,185	2.40	0.32	0.0005	2.9	0.0019	11.8
6	L	12,398	2.40	0.32	0.0005	5.8	0.0019	23.6
8	L	9,241	2.40	0.32	0.0005	4.3	0.0019	17.6
11	L	(1,862)	2.40	0.32	0.0005	-0.9	0.0019	-3.5
12	L	(2,839)	2.40	0.32	0.0005	-1.3	0.0019	-5.4
14	L	(1,521)	2.40	0.32	0.0005	-0.7	0.0019	-2.9
18	L	1,606	2.40	0.32	0.0005	0.8	0.0019	3.1
19	L	7,654	2.40	0.32	0.0005	3.6	0.0019	14.6
21	L	3,932	2.40	0.32	0.0005	1.8	0.0019	7.5
24	L	8,845	2.40	0.32	0.0005	4.1	0.0019	16.9
30	L	(8,688)	2.40	0.32	0.0005	-4.1	0.0019	-16.6
29	L	4,159	2.40	0.32	0.0005	1.9	0.0019	7.9
31	L	(299)	2.40	0.32	0.0005	-0.1	0.0019	-0.6
TOTAL						23.2		94.4

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2035 Buildout (Net) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	381,501	2.40	0.032	0.0001	21.95	0.0002	89.42
Freeway	F	413,706	2.40	0.015	0.0000	11.94	0.0001	48.66
TOTAL		795,208				33.89		138.08

World Logistics Center
Mobile Emissions - 2035 Buildout (Net) - Mitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0045	0.0054	0.0052	0.0055	0.0064	0.0072	0.0139	0.2046
15 mph	0.0040	0.0047	0.0046	0.0048	0.0056	0.0063	0.0123	0.1805
20 mph	0.0036	0.0042	0.0041	0.0043	0.0051	0.0057	0.0110	0.1619
25 mph	0.0033	0.0039	0.0037	0.0039	0.0046	0.0052	0.0100	0.1478
30 mph	0.0030	0.0036	0.0035	0.0037	0.0043	0.0048	0.0093	0.1371
35 mph	0.0029	0.0034	0.0033	0.0035	0.0041	0.0046	0.0087	0.1291
40 mph	0.0028	0.0032	0.0031	0.0033	0.0039	0.0043	0.0083	0.1232
45 mph	0.0027	0.0031	0.0030	0.0032	0.0038	0.0042	0.0081	0.1195
50 mph	0.0026	0.0031	0.0030	0.0032	0.0037	0.0042	0.0079	0.1181
55 mph	0.0027	0.0031	0.0030	0.0032	0.0038	0.0042	0.0080	0.1191
60 mph	0.0028	0.0033	0.0031	0.0034	0.0039	0.0044	0.0083	0.1229
65 mph	0.0029	0.0034	0.0033	0.0035	0.0041	0.0046	0.0087	0.1293
70 mph	0.0031	0.0037	0.0034	0.0037	0.0044	0.0047	0.0085	0.1347

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0527	0.1072	0.0703	0.0875	0.1320	0.1478	0.2552	0.3632
15 mph	0.0434	0.0891	0.0583	0.0742	0.0860	0.0981	0.2007	0.2824
20 mph	0.0356	0.0731	0.0479	0.0616	0.0734	0.0838	0.1714	0.2446
25 mph	0.0298	0.0611	0.0402	0.0521	0.0651	0.0746	0.1496	0.2027
30 mph	0.0258	0.0525	0.0347	0.0451	0.0591	0.0674	0.1313	0.1782
35 mph	0.0233	0.0470	0.0313	0.0409	0.0592	0.0675	0.1173	0.1595
40 mph	0.0219	0.0438	0.0293	0.0383	0.0576	0.0650	0.1075	0.1466
45 mph	0.0211	0.0423	0.0282	0.0368	0.0562	0.0626	0.1019	0.1394
50 mph	0.0212	0.0422	0.0282	0.0370	0.0590	0.0649	0.1006	0.1371
55 mph	0.0221	0.0442	0.0295	0.0391	0.0615	0.0671	0.1035	0.1427
60 mph	0.0240	0.0480	0.0320	0.0423	0.0622	0.0673	0.1106	0.1514
65 mph	0.0270	0.0535	0.0359	0.0476	0.0630	0.0676	0.1220	0.1640
70 mph	0.0293	0.0557	0.0386	0.0515	0.0637	0.0685	0.1232	0.1669

*US EPA Emission Factors for Greenhouse Gas Inventories. (Idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.8140
15 mph								0.6830
20 mph								0.5964
25 mph								0.5501
30 mph								0.5205
35 mph								0.4971
40 mph								0.4779
45 mph								0.4617
50 mph								0.4479
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0847	0.0077	0.0365	0.0124	0.0063	0.0021	0.0071	0.0010	0.1578
15 mph	0.0297	0.0027	0.0128	0.0043	0.0022	0.0007	0.0021	0.0003	0.0548
20 mph	0.0534	0.0048	0.0230	0.0078	0.0040	0.0013	0.0037	0.0005	0.0986
25 mph	0.2441	0.0220	0.1047	0.0355	0.0181	0.0059	0.0187	0.0026	0.4516
30 mph	0.2500	0.0225	0.1068	0.0362	0.0185	0.0060	0.0157	0.0022	0.4580
35 mph	0.1935	0.0174	0.0823	0.0280	0.0143	0.0047	0.0066	0.0009	0.3477
40 mph	0.0617	0.0055	0.0262	0.0089	0.0046	0.0015	0.0070	0.0010	0.1164
45 mph	0.0497	0.0045	0.0211	0.0072	0.0037	0.0012	0.0055	0.0008	0.0936
50 mph	0.0492	0.0044	0.0209	0.0071	0.0037	0.0012	0.0087	0.0012	0.0964
55 mph	0.0398	0.0036	0.0170	0.0058	0.0030	0.0010	0.0020	0.0003	0.0723
60 mph	0.0826	0.0075	0.0354	0.0121	0.0061	0.0020	0.0021	0.0003	0.1480
65 mph	0.0108	0.0010	0.0046	0.0016	0.0008	0.0003	-	-	0.0191
70 mph	-	-	-	-	-	-	-	-	-
total	1.1490	0.1036	0.4914	0.1670	0.0853	0.0277	0.0793	0.0109	2.1141

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0070	0.0006	0.0030	0.0021	0.0014	0.0004	-	-	0.0146
15 mph	0.0061	0.0006	0.0027	0.0019	0.0012	0.0004	-	-	0.0128
20 mph	0.0055	0.0005	0.0024	0.0017	0.0011	0.0003	0.0067	0.0009	0.0191
25 mph	0.0101	0.0009	0.0043	0.0031	0.0019	0.0006	0.0107	0.0015	0.0331
30 mph	0.0188	0.0017	0.0080	0.0057	0.0036	0.0012	0.0170	0.0023	0.0583
35 mph	0.0400	0.0036	0.0170	0.0121	0.0077	0.0025	0.0160	0.0022	0.1010
40 mph	0.0425	0.0038	0.0181	0.0128	0.0082	0.0027	0.0140	0.0019	0.1039
45 mph	0.0329	0.0030	0.0140	0.0100	0.0063	0.0021	0.0098	0.0014	0.0794
50 mph	0.0366	0.0033	0.0156	0.0111	0.0071	0.0023	0.0049	0.0007	0.0814
55 mph	0.0205	0.0019	0.0088	0.0062	0.0040	0.0013	0.0024	0.0003	0.0454
60 mph	0.0128	0.0012	0.0055	0.0039	0.0025	0.0008	0.1768	0.0243	0.2278
65 mph	0.0045	0.0004	0.0019	0.0014	0.0009	0.0003	-	-	0.0093
70 mph	0.2180	0.0199	0.0912	0.0669	0.0424	0.0133	-	-	0.4517
total	0.4554	0.0413	0.1924	0.1388	0.0881	0.0281	0.2583	0.0355	1.2379

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0016	0.0005	0.0007	0.0000	0.0028
15 mph	0.0469	0.0043	0.0203	0.0063	0.0034	0.0011	0.0033	0.0005	0.0859
25 mph	-	-	-	-	0.0052	0.0017	0.0118	0.0016	0.0204
35 mph	0.1462	0.0131	0.0622	0.0178	-	-	-	-	0.2393
total	0.1931	0.0174	0.0825	0.0241	0.0102	0.0032	0.0159	0.0021	0.3484

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0016	0.0005	0.0007	0.0000	0.0028
10 mph	0.0917	0.0083	0.0396	0.0146	0.0077	0.0025	0.0071	0.0010	0.1724
15 mph	0.0828	0.0075	0.0357	0.0125	0.0067	0.0022	0.0054	0.0007	0.1535
20 mph	0.0589	0.0053	0.0254	0.0095	0.0051	0.0016	0.0104	0.0014	0.1177
25 mph	0.2542	0.0229	0.1091	0.0385	0.0253	0.0082	0.0412	0.0056	0.5051
30 mph	0.2687	0.0242	0.1149	0.0419	0.0222	0.0072	0.0327	0.0045	0.5163
35 mph	0.3797	0.0341	0.1615	0.0579	0.0220	0.0072	0.0226	0.0031	0.6881
40 mph	0.1042	0.0093	0.0443	0.0218	0.0127	0.0041	0.0210	0.0029	0.2203
45 mph	0.0826	0.0074	0.0351	0.0172	0.0100	0.0033	0.0153	0.0021	0.1730
50 mph	0.0858	0.0077	0.0365	0.0182	0.0107	0.0035	0.0136	0.0019	0.1778
55 mph	0.0603	0.0054	0.0257	0.0120	0.0069	0.0022	0.0045	0.0006	0.1178
60 mph	0.0954	0.0086	0.0409	0.0160	0.0086	0.0028	0.1789	0.0246	0.3757
65 mph	0.0153	0.0014	0.0065	0.0030	0.0017	0.0005	-	-	0.0284
70 mph	0.2180	0.0199	0.0912	0.0669	0.0424	0.0133	-	-	0.4517
total	1.7975	0.1622	0.7663	0.3299	0.1836	0.0591	0.3535	0.0485	3.7005

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0117	0.0000	0.0048	0.0066	0.1363	0.1010	0.7755	2.0040	3.0400
15 mph	0.0038	0.0000	0.0016	0.0022	0.0355	0.0268	0.2033	0.5194	0.7927
20 mph	0.0063	0.0000	0.0026	0.0037	0.0606	0.0458	0.3473	0.8997	1.3660
25 mph	0.0264	0.0001	0.0110	0.0158	0.2688	0.2040	1.6666	4.1013	6.2937
30 mph	0.0251	0.0000	0.0105	0.0150	0.2687	0.2025	1.3304	3.2769	5.1291
35 mph	0.0186	0.0000	0.0077	0.0111	0.2201	0.1659	0.5348	1.3204	2.2787
40 mph	0.0058	0.0000	0.0024	0.0035	0.0714	0.0533	0.5447	1.3484	2.0295
45 mph	0.0047	0.0000	0.0019	0.0028	0.0581	0.0427	0.4131	1.0260	1.5493
50 mph	0.0047	0.0000	0.0019	0.0028	0.0609	0.0443	0.6625	1.6395	2.4167
55 mph	0.0039	0.0000	0.0016	0.0024	0.0509	0.0367	0.1573	0.3937	0.6465
60 mph	0.0085	0.0000	0.0035	0.0051	0.1027	0.0736	0.1681	0.4178	0.7793
65 mph	0.0012	0.0000	0.0005	0.0007	0.0130	0.0092	-	-	0.0247
70 mph	-	-	-	-	-	-	-	-	-
total	0.1206	0.0002	0.0501	0.0717	1.3471	1.0058	6.8034	16.9471	26.3460

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0010	0.0000	0.0004	0.0011	0.0292	0.0216	-	-	0.0534
15 mph	0.0008	0.0000	0.0003	0.0010	0.0191	0.0144	-	-	0.0355
20 mph	0.0007	0.0000	0.0003	0.0008	0.0163	0.0123	0.6260	1.6219	2.2782
25 mph	0.0011	0.0000	0.0005	0.0014	0.0288	0.0219	0.9559	2.3525	3.3620
30 mph	0.0019	0.0000	0.0008	0.0024	0.0524	0.0395	1.4390	3.5445	5.0804
35 mph	0.0038	0.0000	0.0016	0.0048	0.1180	0.0889	1.2855	3.1737	4.6764
40 mph	0.0040	0.0000	0.0017	0.0050	0.1276	0.0953	1.0801	2.6740	3.9876
45 mph	0.0031	0.0000	0.0013	0.0038	0.0996	0.0733	0.7446	1.8496	2.7754
50 mph	0.0035	0.0000	0.0014	0.0044	0.1176	0.0856	0.3675	0.9094	1.4893
55 mph	0.0020	0.0000	0.0008	0.0026	0.0682	0.0491	0.1891	0.4732	0.7850
60 mph	0.0013	0.0000	0.0005	0.0017	0.0413	0.0296	14.1408	35.1448	49.3600
65 mph	0.0005	0.0000	0.0002	0.0006	0.0140	0.0099	-	-	0.0252
70 mph	0.0246	0.0000	0.0100	0.0309	0.6494	0.4618	-	-	1.1769
total	0.0482	0.0001	0.0198	0.0604	1.3814	1.0032	20.8286	51.7436	75.0854

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0006	0.0004	0.0016	0.0029	0.0055
15 mph	0.0061	0.0000	0.0025	0.0032	0.0540	0.0407	0.3236	0.8269	1.2571
25 mph	-	-	-	-	0.0776	0.0588	1.0555	2.5974	3.7893
35 mph	0.0140	0.0000	0.0058	0.0071	-	-	-	-	0.0270
total	0.0201	0.0000	0.0084	0.0103	0.1321	0.1000	1.3807	3.4272	5.0788

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0006	0.0004	0.0016	0.0029	0.0055
10 mph	0.0126	0.0000	0.0052	0.0078	0.1656	0.1226	0.7755	2.0040	3.0933
15 mph	0.0107	0.0000	0.0044	0.0065	0.1086	0.0819	0.5269	1.3463	2.0853
20 mph	0.0069	0.0000	0.0029	0.0045	0.0769	0.0581	0.9733	2.5215	3.6442
25 mph	0.0275	0.0001	0.0114	0.0171	0.3752	0.2847	3.6780	9.0512	13.4451
30 mph	0.0270	0.0001	0.0112	0.0173	0.3211	0.2420	2.7694	6.8214	10.2094
35 mph	0.0365	0.0001	0.0151	0.0230	0.3381	0.2549	1.8203	4.4941	6.9821
40 mph	0.0098	0.0000	0.0041	0.0085	0.1990	0.1486	1.6247	4.0224	6.0171
45 mph	0.0078	0.0000	0.0032	0.0066	0.1577	0.1160	1.1577	2.8756	4.3247
50 mph	0.0082	0.0000	0.0034	0.0072	0.1785	0.1299	1.0299	2.5489	3.9060
55 mph	0.0059	0.0000	0.0025	0.0049	0.1190	0.0858	0.3464	0.8669	1.4314
60 mph	0.0098	0.0000	0.0040	0.0068	0.1440	0.1032	14.3089	35.5626	50.1393
65 mph	0.0017	0.0000	0.0007	0.0013	0.0270	0.0191	-	-	0.0498
70 mph	0.0246	0.0000	0.0100	0.0309	0.6494	0.4618	-	-	1.1769
total	0.1889	0.0004	0.0782	0.1425	2.8607	2.1090	29.0126	72.1179	106.5102

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.3185	0.3185
15 mph								0.0891	0.0891
20 mph								0.1556	0.1556
25 mph								0.7893	0.7893
30 mph								0.6789	0.6789
35 mph								0.2918	0.2918
40 mph								0.3117	0.3117
45 mph								0.2409	0.2409
50 mph								0.3797	0.3797
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.2555	3.2555

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.2805	0.2805
25 mph								0.4527	0.4527
30 mph								0.7344	0.7344
35 mph								0.7013	0.7013
40 mph								0.6181	0.6181
45 mph								0.4343	0.4343
50 mph								0.2106	0.2106
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.1689	2.1689

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0006	0.0006
15 mph								0.1418	0.1418
25 mph								0.4999	0.4999
35 mph								-	-
total	-	-	-	-	-	-	-	0.6423	0.6423

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0006	0.0006
10 mph								0.3185	0.3185
15 mph								0.2309	0.2309
20 mph								0.4361	0.4361
25 mph								1.7418	1.7418
30 mph								1.4133	1.4133
35 mph								0.9931	0.9931
40 mph								0.9297	0.9297
45 mph								0.6752	0.6752
50 mph								0.5903	0.5903
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	7.3297	7.3297

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0022	0.0009	0.0023	0.0035	0.0088
10 mph	0.1043	0.0083	0.0448	0.0223	0.1732	0.1251	0.7826	2.3235	3.5843
15 mph	0.0934	0.0075	0.0402	0.0190	0.1153	0.0841	0.5322	1.5779	2.4697
20 mph	0.0659	0.0053	0.0283	0.0140	0.0819	0.0597	0.9837	2.9591	4.1980
25 mph	0.2816	0.0230	0.1205	0.0557	0.4004	0.2929	3.7192	10.7986	15.6920
30 mph	0.2958	0.0242	0.1261	0.0593	0.3432	0.2492	2.8021	8.2392	12.1390
35 mph	0.4161	0.0342	0.1767	0.0809	0.3602	0.2620	1.8429	5.4903	8.6633
40 mph	0.1139	0.0094	0.0483	0.0302	0.2118	0.1527	1.6457	4.9550	7.1671
45 mph	0.0904	0.0074	0.0383	0.0238	0.1677	0.1193	1.1730	3.5529	5.1729
50 mph	0.0939	0.0077	0.0398	0.0254	0.1892	0.1334	1.0435	3.1412	4.6741
55 mph	0.0662	0.0055	0.0282	0.0170	0.1259	0.0880	0.3509	0.8675	1.5492
60 mph	0.1052	0.0087	0.0449	0.0228	0.1526	0.1060	14.4878	35.5872	50.5150
65 mph	0.0170	0.0014	0.0072	0.0043	0.0286	0.0197	-	-	0.0782
70 mph	0.2426	0.0199	0.1012	0.0978	0.6919	0.4751	-	-	1.6286
STREX	0.1891	0.0157	0.0776	0.1162	0.0536	0.0157	0.0259	0.0000	0.4938
total	2.1756	0.1783	0.9222	0.5886	3.0979	2.1837	29.3920	79.4960	**118.0342**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0186	0.0202	0.0203	0.0213	0.0310	0.0312	0.0299	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1891	0.0157	0.0776	0.1162	0.0536	0.0157	0.0259	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1891	0.0157	0.0776	0.1162	0.0536	0.0157	0.0259	0.0000

World Logistics Center
Mobile Emissions - 2035 Buildout (Net) - Mitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.7508	1.7736	3.3724	2.3482
10 mph	0.0035	0.0055	0.0058	0.0064	0.0059	0.0054	0.0122	0.2946
15 mph	0.0023	0.0037	0.0039	0.0042	0.0039	0.0036	0.0081	0.1958
20 mph	0.0016	0.0026	0.0027	0.0030	0.0027	0.0025	0.0057	0.1371
25 mph	0.0012	0.0019	0.0020	0.0022	0.0020	0.0019	0.0042	0.1013
30 mph	0.0009	0.0015	0.0016	0.0017	0.0016	0.0014	0.0033	0.0790
35 mph	0.0008	0.0012	0.0013	0.0014	0.0013	0.0012	0.0027	0.0649
40 mph	0.0007	0.0011	0.0011	0.0012	0.0011	0.0010	0.0023	0.0564
45 mph	0.0006	0.0010	0.0010	0.0011	0.0010	0.0009	0.0021	0.0517
50 mph	0.0006	0.0010	0.0010	0.0011	0.0010	0.0009	0.0020	0.0499
55 mph	0.0006	0.0010	0.0010	0.0011	0.0010	0.0009	0.0021	0.0507
60 mph	0.0006	0.0010	0.0011	0.0012	0.0011	0.0010	0.0022	0.0542
65 mph	0.0007	0.0011	0.0012	0.0013	0.0012	0.0011		
70 mph	0.0008	0.0013	0.0012	0.0014	0.0014	0.0012		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0235	0.1100
10 mph	0.0032	0.0095	0.0092	0.0036	0.0260	0.0261	0.0015	0.0038
15 mph	0.0015	0.0049	0.0045	0.0018	0.0128	0.0129	0.0009	0.0021
20 mph	0.0006	0.0022	0.0017	0.0007	0.0052	0.0052	0.0006	0.0013
25 mph	0.0004	0.0014	0.0010	0.0004	0.0032	0.0032	0.0005	0.0011
30 mph	0.0003	0.0011	0.0008	0.0003	0.0024	0.0025	0.0004	0.0009
35 mph	0.0002	0.0009	0.0006	0.0003	0.0020	0.0020	0.0003	0.0007
40 mph	0.0002	0.0007	0.0005	0.0002	0.0016	0.0017	0.0003	0.0006
45 mph	0.0002	0.0007	0.0004	0.0002	0.0014	0.0015	0.0002	0.0006
50 mph	0.0001	0.0006	0.0004	0.0002	0.0013	0.0013	0.0002	0.0006
55 mph	0.0001	0.0006	0.0003	0.0001	0.0011	0.0012	0.0003	0.0006
60 mph	0.0001	0.0006	0.0003	0.0001	0.0011	0.0011	0.0003	0.0007
65 mph	0.0001	0.0006	0.0003	0.0001	0.0012	0.0012		
70 mph	0.0001	0.0004	0.0003	0.0001	0.0016	0.0016		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.8656
10 mph								10.5313
15 mph								7.3288
20 mph								5.2433
25 mph								3.8449
30 mph								2.8421
35 mph								2.1020
40 mph								1.5562
45 mph								1.1541
50 mph								0.8585
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0657	0.0079	0.0409	0.0143	0.0058	0.0016	0.0062	0.0014	0.1437
15 mph	0.0174	0.0021	0.0109	0.0038	0.0015	0.0004	0.0014	0.0003	0.0379
20 mph	0.0244	0.0030	0.0154	0.0054	0.0022	0.0006	0.0019	0.0004	0.0532
25 mph	0.0901	0.0110	0.0568	0.0198	0.0079	0.0021	0.0078	0.0017	0.1974
30 mph	0.0771	0.0095	0.0486	0.0170	0.0068	0.0018	0.0055	0.0012	0.1676
35 mph	0.0519	0.0064	0.0325	0.0115	0.0046	0.0012	0.0020	0.0005	0.1105
40 mph	0.0150	0.0018	0.0094	0.0033	0.0013	0.0004	0.0020	0.0004	0.0337
45 mph	0.0115	0.0014	0.0072	0.0025	0.0010	0.0003	0.0014	0.0003	0.0257
50 mph	0.0111	0.0014	0.0069	0.0024	0.0010	0.0003	0.0022	0.0005	0.0258
55 mph	0.0090	0.0011	0.0056	0.0020	0.0008	0.0002	0.0005	0.0001	0.0194
60 mph	0.0190	0.0023	0.0118	0.0042	0.0017	0.0004	0.0006	0.0001	0.0401
65 mph	0.0027	0.0003	0.0016	0.0006	0.0002	0.0001	-	-	0.0055
70 mph	-	-	-	-	-	-	-	-	-
total	0.3950	0.0481	0.2478	0.0868	0.0349	0.0093	0.0316	0.0071	0.8606

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0054	0.0007	0.0034	0.0025	0.0013	0.0003	-	-	0.0135
15 mph	0.0036	0.0004	0.0023	0.0016	0.0008	0.0002	-	-	0.0090
20 mph	0.0025	0.0003	0.0016	0.0012	0.0006	0.0002	0.0035	0.0008	0.0106
25 mph	0.0037	0.0005	0.0024	0.0017	0.0009	0.0002	0.0045	0.0010	0.0148
30 mph	0.0058	0.0007	0.0037	0.0027	0.0013	0.0004	0.0060	0.0013	0.0218
35 mph	0.0107	0.0013	0.0067	0.0049	0.0025	0.0007	0.0049	0.0011	0.0328
40 mph	0.0103	0.0013	0.0065	0.0048	0.0024	0.0006	0.0039	0.0009	0.0307
45 mph	0.0076	0.0009	0.0048	0.0035	0.0017	0.0005	0.0026	0.0006	0.0222
50 mph	0.0083	0.0010	0.0052	0.0038	0.0019	0.0005	0.0012	0.0003	0.0222
55 mph	0.0047	0.0006	0.0029	0.0021	0.0011	0.0003	0.0006	0.0001	0.0124
60 mph	0.0030	0.0004	0.0018	0.0013	0.0007	0.0002	0.0475	0.0107	0.0655
65 mph	0.0011	0.0001	0.0007	0.0005	0.0003	0.0001	-	-	0.0027
70 mph	0.0566	0.0069	0.0331	0.0256	0.0132	0.0033	-	-	0.1387
total	0.1233	0.0150	0.0749	0.0562	0.0285	0.0074	0.0746	0.0168	0.3969

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2078	0.0612	0.1865	0.0016	0.4570
15 mph	0.0275	0.0033	0.0173	0.0055	0.0023	0.0006	0.0022	0.0005	0.0593
25 mph	-	-	-	-	0.0023	0.0006	0.0049	0.0011	0.0089
35 mph	0.0392	0.0048	0.0246	0.0073	-	-	-	-	0.0758
total	0.0667	0.0081	0.0419	0.0128	0.2124	0.0624	0.1936	0.0032	0.6011

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2078	0.0612	0.1865	0.0016	0.4570
10 mph	0.0711	0.0085	0.0443	0.0168	0.0071	0.0019	0.0062	0.0014	0.1573
15 mph	0.0486	0.0059	0.0305	0.0110	0.0047	0.0013	0.0036	0.0008	0.1062
20 mph	0.0270	0.0033	0.0170	0.0065	0.0027	0.0007	0.0054	0.0012	0.0638
25 mph	0.0938	0.0115	0.0592	0.0216	0.0111	0.0030	0.0172	0.0039	0.2212
30 mph	0.0829	0.0102	0.0523	0.0197	0.0081	0.0022	0.0115	0.0026	0.1894
35 mph	0.1018	0.0125	0.0638	0.0237	0.0070	0.0019	0.0069	0.0016	0.2191
40 mph	0.0254	0.0031	0.0159	0.0081	0.0037	0.0010	0.0059	0.0013	0.0643
45 mph	0.0191	0.0023	0.0120	0.0060	0.0028	0.0007	0.0040	0.0009	0.0479
50 mph	0.0194	0.0024	0.0121	0.0062	0.0029	0.0008	0.0035	0.0008	0.0480
55 mph	0.0137	0.0017	0.0085	0.0041	0.0019	0.0005	0.0012	0.0003	0.0318
60 mph	0.0220	0.0027	0.0136	0.0055	0.0024	0.0006	0.0480	0.0109	0.1057
65 mph	0.0038	0.0005	0.0023	0.0011	0.0005	0.0001	-	-	0.0082
70 mph	0.0566	0.0069	0.0331	0.0256	0.0132	0.0033	-	-	0.1387
total	0.5850	0.0713	0.3645	0.1558	0.2758	0.0791	0.2998	0.0271	1.8585

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0006	0.0003	0.0268	0.0178	0.0047	0.0207	0.0716
15 mph	0.0001	0.0000	0.0001	0.0001	0.0053	0.0035	0.0009	0.0038	0.0138
20 mph	0.0001	0.0000	0.0001	0.0000	0.0043	0.0029	0.0012	0.0048	0.0134
25 mph	0.0003	0.0000	0.0003	0.0001	0.0131	0.0088	0.0051	0.0214	0.0491
30 mph	0.0003	0.0000	0.0002	0.0001	0.0110	0.0074	0.0037	0.0157	0.0385
35 mph	0.0002	0.0000	0.0002	0.0001	0.0073	0.0049	0.0014	0.0058	0.0198
40 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0014	0.0013	0.0056	0.0104
45 mph	0.0000	0.0000	0.0000	0.0000	0.0015	0.0010	0.0010	0.0041	0.0076
50 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0009	0.0016	0.0067	0.0106
55 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0006	0.0004	0.0017	0.0037
60 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0012	0.0005	0.0020	0.0056
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0019	0.0000	0.0017	0.0007	0.0756	0.0507	0.0216	0.0924	0.2447

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0001	0.0000	0.0058	0.0038	-	-	0.0097
15 mph	0.0000	0.0000	0.0000	0.0000	0.0028	0.0019	-	-	0.0048
20 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0008	0.0021	0.0087	0.0127
25 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0009	0.0029	0.0123	0.0176
30 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0014	0.0040	0.0170	0.0247
35 mph	0.0000	0.0000	0.0000	0.0000	0.0039	0.0026	0.0033	0.0140	0.0240
40 mph	0.0000	0.0000	0.0000	0.0000	0.0036	0.0025	0.0026	0.0111	0.0199
45 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0017	0.0017	0.0074	0.0135
50 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0017	0.0009	0.0037	0.0089
55 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0009	0.0005	0.0021	0.0047
60 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0396	0.1682	0.2090
65 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	-	-	0.0004
70 mph	0.0001	0.0000	0.0001	0.0001	0.0159	0.0107	-	-	0.0269
total	0.0004	0.0000	0.0003	0.0003	0.0440	0.0297	0.0577	0.2445	0.3768

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0184	0.0122	0.0078	0.0661	0.1044
15 mph	0.0002	0.0000	0.0002	0.0001	0.0080	0.0054	0.0014	0.0060	0.0213
25 mph	-	-	-	-	0.0038	0.0025	0.0032	0.0136	0.0231
35 mph	0.0001	0.0000	0.0001	0.0000	-	-	-	-	0.0003
total	0.0003	0.0000	0.0003	0.0001	0.0303	0.0201	0.0123	0.0857	0.1492

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0184	0.0122	0.0078	0.0661	0.1044
10 mph	0.0008	0.0000	0.0007	0.0003	0.0326	0.0216	0.0047	0.0207	0.0813
15 mph	0.0004	0.0000	0.0003	0.0002	0.0162	0.0108	0.0022	0.0098	0.0399
20 mph	0.0001	0.0000	0.0001	0.0001	0.0054	0.0036	0.0033	0.0135	0.0261
25 mph	0.0003	0.0000	0.0003	0.0001	0.0183	0.0123	0.0112	0.0473	0.0898
30 mph	0.0003	0.0000	0.0003	0.0001	0.0132	0.0089	0.0078	0.0328	0.0633
35 mph	0.0003	0.0000	0.0003	0.0001	0.0112	0.0076	0.0047	0.0199	0.0441
40 mph	0.0001	0.0000	0.0001	0.0000	0.0057	0.0038	0.0039	0.0167	0.0303
45 mph	0.0001	0.0000	0.0000	0.0000	0.0040	0.0027	0.0027	0.0115	0.0211
50 mph	0.0001	0.0000	0.0000	0.0000	0.0038	0.0026	0.0025	0.0104	0.0194
55 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0015	0.0009	0.0038	0.0084
60 mph	0.0000	0.0000	0.0000	0.0000	0.0026	0.0017	0.0400	0.1702	0.2146
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	-	-	0.0009
70 mph	0.0001	0.0000	0.0001	0.0001	0.0159	0.0107	-	-	0.0269
total	0.0026	0.0000	0.0023	0.0012	0.1499	0.1005	0.0917	0.4226	0.7707

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								4.1210	4.1210
15 mph								0.9559	0.9559
20 mph								1.3678	1.3678
25 mph								5.5166	5.5166
30 mph								3.7071	3.7071
35 mph								1.2338	1.2338
40 mph								1.0149	1.0149
45 mph								0.6021	0.6021
50 mph								0.7279	0.7279
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	19.2472	19.2472

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								2.4658	2.4658
25 mph								3.1644	3.1644
30 mph								4.0098	4.0098
35 mph								2.9656	2.9656
40 mph								2.0126	2.0126
45 mph								1.0855	1.0855
50 mph								0.4038	0.4038
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	12.6056	12.6056

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0795	0.0795
15 mph								1.5219	1.5219
25 mph								3.4938	3.4938
35 mph								-	-
total	-	-	-	-	-	-	-	5.0951	5.0951

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0795	0.0795
10 mph								4.1210	4.1210
15 mph								2.4778	2.4778
20 mph								3.8337	3.8337
25 mph								12.1748	12.1748
30 mph								7.7168	7.7168
35 mph								4.1994	4.1994
40 mph								3.0275	3.0275
45 mph								1.6877	1.6877
50 mph								1.1317	1.1317
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	40.4498	40.4498

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2262	0.0733	0.1942	0.1471	0.6409
10 mph	0.0719	0.0085	0.0450	0.0171	0.0397	0.0235	0.0109	4.1431	4.3596
15 mph	0.0489	0.0059	0.0308	0.0111	0.0209	0.0120	0.0058	2.4884	2.6239
20 mph	0.0271	0.0033	0.0171	0.0066	0.0082	0.0044	0.0087	3.8483	3.9235
25 mph	0.0942	0.0115	0.0595	0.0217	0.0294	0.0153	0.0284	12.2259	12.4858
30 mph	0.0832	0.0102	0.0525	0.0198	0.0213	0.0110	0.0192	7.7522	7.9695
35 mph	0.1021	0.0125	0.0641	0.0238	0.0183	0.0094	0.0116	4.2209	4.4627
40 mph	0.0254	0.0031	0.0160	0.0081	0.0094	0.0048	0.0098	3.0455	3.1222
45 mph	0.0192	0.0023	0.0120	0.0061	0.0067	0.0034	0.0067	1.7001	1.7566
50 mph	0.0194	0.0024	0.0121	0.0063	0.0067	0.0034	0.0060	1.1429	1.1991
55 mph	0.0137	0.0017	0.0085	0.0041	0.0041	0.0020	0.0020	0.0040	0.0402
60 mph	0.0220	0.0027	0.0137	0.0055	0.0049	0.0024	0.0881	0.1810	0.3203
65 mph	0.0038	0.0005	0.0023	0.0011	0.0010	0.0005	-	-	0.0091
70 mph	0.0567	0.0069	0.0332	0.0256	0.0291	0.0141	-	-	0.1656
STREX	0.2338	0.0209	0.1204	0.1859	0.0208	0.0060	0.0271	0.0000	0.6150
total	0.8215	0.0922	0.4872	0.3429	0.4466	0.1855	0.4186	40.8995	**43.6940**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0230	0.0270	0.0315	0.0340	0.0120	0.0119	0.0314	0.0002
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2338	0.0209	0.1204	0.1859	0.0208	0.0060	0.0271	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.2338	0.0209	0.1204	0.1859	0.0208	0.0060	0.0271	0.0000

World Logistics Center
Mobile Emissions - 2035 Buildout (Net) - Mitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,963.68	4,638.03	11,699.90	18,964.94
10 mph	391.87	461.13	458.33	561.90	1,297.09	1,495.95	2,649.86	3,085.79
15 mph	320.36	377.07	374.72	459.32	1,060.18	1,221.83	2,169.91	2,531.59
20 mph	266.42	313.55	311.62	381.97	881.58	1,016.36	1,803.47	2,109.28
25 mph	227.75	268.06	266.42	326.67	753.42	868.35	1,542.32	1,806.99
30 mph	202.15	237.89	236.47	290.09	668.77	770.89	1,369.73	1,604.76
35 mph	187.49	220.57	219.29	269.19	620.23	715.15	1,270.99	1,486.59
40 mph	181.61	213.66	212.41	260.74	600.43	692.34	1,229.76	1,436.90
45 mph	182.65	214.79	213.47	262.01	602.61	694.84	1,235.03	1,438.10
50 mph	188.08	221.15	219.77	269.84	620.30	715.03	1,270.61	1,475.93
55 mph	195.37	229.66	228.30	280.41	645.56	744.08	1,320.82	1,532.19
60 mph	201.05	236.74	235.51	289.65	671.73	774.26	1,373.93	1,590.39
65 mph	206.05	242.94	241.75	297.71	692.05	797.41		
70 mph	209.08	245.96	244.62	302.99	699.98	804.48		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,206.55	5,193.70	5,355.52	4,882.73
10 mph	335.38	681.91	447.50	556.56	839.71	940.07	1,623.54	2,310.47
15 mph	275.84	566.89	371.11	472.01	547.23	624.35	1,276.55	1,796.46
20 mph	226.28	465.37	304.89	392.02	466.89	533.07	1,090.48	1,555.84
25 mph	189.68	388.66	255.61	331.67	413.89	474.83	951.51	1,289.55
30 mph	164.31	334.16	221.00	286.64	376.13	428.56	835.52	1,133.39
35 mph	148.55	299.26	199.42	260.29	376.62	429.16	746.40	1,014.84
40 mph	139.01	278.89	186.11	243.51	366.54	413.77	684.12	932.77
45 mph	134.29	269.01	179.43	234.37	357.71	397.97	648.54	887.16
50 mph	134.66	268.78	179.70	235.66	375.21	412.92	640.09	872.40
55 mph	140.91	281.41	187.89	248.63	391.57	426.77	658.72	907.81
60 mph	152.75	305.24	203.54	269.20	395.47	428.26	703.76	963.25
65 mph	171.76	340.16	228.56	302.55	401.05	430.01		
70 mph	186.19	354.29	245.73	327.75	405.53	436.00		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								4,895.72
10 mph								3,993.23
15 mph								3,350.45
20 mph								2,925.80
25 mph								2,698.39
30 mph								2,553.34
35 mph								2,438.51
40 mph								2,344.30
45 mph								2,265.00
50 mph								2,196.95
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	7,316.80	658.01	3,219.84	1,262.53	1,272.04	426.21	1,345.80	14.53	15,515.75
15 mph	2,392.67	215.22	1,052.99	412.81	415.88	139.24	367.35	3.97	5,000.15
20 mph	3,979.63	357.93	1,751.33	686.60	691.65	231.65	610.62	6.62	8,316.04
25 mph	17,010.07	1,530.01	7,486.62	2,936.01	2,955.50	989.60	2,872.13	31.20	35,811.13
30 mph	16,607.60	1,493.58	7,309.46	2,867.91	2,885.77	966.38	2,318.83	25.19	34,474.73
35 mph	12,602.48	1,133.06	5,546.05	2,177.43	2,189.71	733.50	968.26	10.50	25,360.99
40 mph	4,069.05	365.86	1,790.64	703.03	706.60	236.70	1,040.94	11.28	8,924.09
45 mph	3,410.27	306.49	1,499.68	588.71	590.98	197.96	836.32	9.03	7,439.43
50 mph	3,511.77	315.56	1,543.93	606.31	608.32	203.72	1,398.17	15.06	8,202.85
55 mph	2,918.27	262.16	1,283.10	504.05	506.47	169.59	335.41	3.61	5,982.65
60 mph	6,006.17	540.49	2,647.20	1,041.31	1,054.01	352.95	348.89	3.74	11,994.77
65 mph	769.44	69.33	339.67	133.79	135.74	45.44	-	-	1,493.40
70 mph	-	-	-	-	-	-	-	-	-
total	80,594.22	7,247.72	35,470.49	13,920.48	14,012.65	4,692.95	12,442.71	134.75	168,515.98

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	605.14	54.42	266.30	218.08	272.77	91.39	-	-	1,508.10
15 mph	494.72	44.50	217.72	178.26	222.95	74.65	-	-	1,232.80
20 mph	411.42	37.00	181.06	148.24	185.39	62.09	1,100.80	11.94	2,137.95
25 mph	703.41	63.27	309.59	253.57	316.88	106.10	1,647.46	17.90	3,418.19
30 mph	1,248.67	112.30	549.58	450.34	562.55	188.39	2,508.17	27.25	5,647.25
35 mph	2,605.74	234.28	1,146.72	940.27	1,173.87	393.22	2,327.37	25.24	8,846.71
40 mph	2,804.44	252.16	1,234.13	1,011.95	1,262.66	422.98	2,064.21	22.37	9,074.88
45 mph	2,256.38	202.79	992.26	813.50	1,013.80	339.60	1,507.68	16.28	7,142.29
50 mph	2,613.99	234.89	1,149.23	942.55	1,174.00	393.15	775.56	8.35	7,291.72
55 mph	1,508.48	135.51	663.25	544.15	678.78	227.29	403.10	4.34	4,164.90
60 mph	931.39	83.82	410.51	337.25	423.78	141.91	29,351.69	315.06	31,995.41
65 mph	318.18	28.67	140.46	115.54	145.53	48.72	-	-	797.11
70 mph	14,852.02	1,335.24	6,538.02	5,409.32	6,771.25	2,260.85	-	-	37,166.71
total	31,354.00	2,818.84	13,798.81	11,363.02	14,204.22	4,750.35	41,686.04	448.73	120,424.01

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	470.46	159.93	646.86	12.95	1,290.20
15 mph	3,782.04	340.20	1,664.43	597.43	631.79	211.53	584.82	6.33	7,818.56
25 mph	-	-	-	-	852.71	285.52	1,818.99	19.76	2,976.98
35 mph	9,523.35	856.22	4,191.00	1,384.35	-	-	-	-	15,954.93
total	13,305.39	1,196.42	5,855.43	1,981.78	1,954.96	656.98	3,050.68	39.04	28,040.68

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	470.46	159.93	646.86	12.95	1,290.20
10 mph	7,921.94	712.43	3,486.14	1,480.61	1,544.81	517.60	1,345.80	14.53	17,023.85
15 mph	6,669.43	599.92	2,935.14	1,188.50	1,270.62	425.42	952.17	10.30	14,051.51
20 mph	4,391.05	394.94	1,932.38	834.84	877.04	293.75	1,711.43	18.56	10,453.99
25 mph	17,713.48	1,593.28	7,796.21	3,189.57	4,125.09	1,381.21	6,338.58	68.86	42,206.30
30 mph	17,856.27	1,605.88	7,859.03	3,318.25	3,448.32	1,154.77	4,827.01	52.44	40,121.97
35 mph	24,731.57	2,223.56	10,883.77	4,502.05	3,363.58	1,126.72	3,295.62	35.74	50,162.63
40 mph	6,873.49	618.02	3,024.77	1,714.98	1,969.25	659.68	3,105.14	33.64	17,998.97
45 mph	5,666.65	509.28	2,491.94	1,402.20	1,604.78	537.57	2,344.00	25.31	14,581.72
50 mph	6,125.76	550.45	2,693.16	1,548.86	1,782.31	596.87	2,173.73	23.41	15,494.57
55 mph	4,426.75	397.68	1,946.34	1,048.20	1,185.25	396.89	738.51	7.94	10,147.56
60 mph	6,937.57	624.31	3,057.71	1,378.56	1,477.79	494.85	29,700.58	318.81	43,990.18
65 mph	1,087.62	98.00	480.13	249.33	281.27	94.15	-	-	2,290.51
70 mph	14,852.02	1,335.24	6,538.02	5,409.32	6,771.25	2,260.85	-	-	37,166.71
total	125,253.61	11,262.99	55,124.74	27,265.28	30,171.84	10,100.27	57,179.43	622.51	316,980.66

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	74.14	0.14	30.60	42.08	867.33	642.24	4,933.86	12,749.50	19,339.89
15 mph	24.39	0.05	10.15	14.27	226.09	170.62	1,293.12	3,304.37	5,043.07
20 mph	40.02	0.08	16.68	23.71	385.80	291.35	2,209.29	5,723.57	8,690.48
25 mph	167.73	0.33	69.91	100.30	1,710.03	1,297.57	10,602.48	26,091.74	40,040.09
30 mph	159.82	0.31	66.49	95.35	1,709.39	1,288.24	8,463.65	20,847.39	32,630.64
35 mph	118.21	0.23	49.09	70.84	1,400.43	1,055.50	3,402.42	8,400.02	14,496.74
40 mph	36.88	0.07	15.27	22.09	454.32	339.22	3,465.02	8,578.57	12,911.43
45 mph	29.69	0.06	12.27	17.72	369.48	271.88	2,627.85	6,527.31	9,856.26
50 mph	29.77	0.06	12.29	17.82	387.55	282.10	4,214.61	10,430.43	15,374.62
55 mph	24.92	0.05	10.28	15.04	323.56	233.25	1,000.91	2,504.70	4,112.70
60 mph	54.03	0.10	22.27	32.56	653.56	468.13	1,069.34	2,657.69	4,957.69
65 mph	7.59	0.01	3.13	4.57	82.85	58.75	-	-	156.91
70 mph	-	-	-	-	-	-	-	-	-
total	767.17	1.48	318.42	456.35	8,570.40	6,398.85	43,282.55	107,815.29	167,610.51

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	6.13	0.01	2.53	7.27	185.99	137.72	-	-	339.65
15 mph	5.04	0.01	2.10	6.16	121.20	91.47	-	-	225.99
20 mph	4.14	0.01	1.72	5.12	103.41	78.09	3,982.80	10,318.18	14,493.48
25 mph	6.94	0.01	2.89	8.66	183.34	139.12	6,081.62	14,966.31	21,388.90
30 mph	12.02	0.02	5.00	14.97	333.23	251.13	9,154.72	22,549.62	32,320.71
35 mph	24.44	0.05	10.15	30.59	750.75	565.84	8,178.29	20,190.88	29,750.99
40 mph	25.42	0.05	10.52	31.80	811.84	606.17	6,871.23	17,011.54	25,368.57
45 mph	19.64	0.04	8.12	24.48	633.83	466.41	4,737.37	11,767.13	17,657.02
50 mph	22.16	0.04	9.15	27.70	747.94	544.42	2,337.81	5,785.69	9,474.91
55 mph	12.88	0.02	5.31	16.23	433.64	312.60	1,202.93	3,010.24	4,993.86
60 mph	8.38	0.02	3.45	10.55	262.77	188.22	89,962.23	223,587.25	314,022.87
65 mph	3.14	0.01	1.29	3.95	88.83	62.99	-	-	160.21
70 mph	156.59	0.28	63.92	196.88	4,131.67	2,938.13	-	-	7,487.48
total	306.91	0.57	126.16	384.37	8,788.46	6,382.31	132,509.00	329,186.85	477,684.63

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	400.85	429.44	1,771.74	2,933.12	5,535.16
15 mph	38.55	0.08	16.04	20.66	343.47	259.19	2,058.66	5,260.60	7,997.25
25 mph	-	-	-	-	493.37	374.37	6,714.82	16,524.55	24,107.12
35 mph	89.33	0.17	37.09	45.04	-	-	-	-	171.64
total	127.89	0.25	53.14	65.70	1,237.69	1,063.01	10,545.22	24,718.27	37,811.17

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	400.85	429.44	1,771.74	2,933.12	5,535.16
10 mph	80.27	0.16	33.13	49.34	1,053.32	779.96	4,933.86	12,749.50	19,679.54
15 mph	67.99	0.13	28.29	41.09	690.77	521.28	3,351.79	8,564.97	13,266.30
20 mph	44.15	0.09	18.40	28.83	489.21	369.44	6,192.09	16,041.75	23,183.96
25 mph	174.66	0.34	72.80	108.96	2,386.75	1,811.07	23,398.91	57,582.61	85,536.10
30 mph	171.83	0.33	71.49	110.32	2,042.62	1,539.37	17,618.37	43,397.01	64,951.35
35 mph	231.99	0.45	96.33	146.47	2,151.19	1,621.34	11,580.71	28,590.89	44,419.37
40 mph	62.29	0.12	25.80	53.89	1,266.16	945.38	10,336.24	25,590.11	38,279.99
45 mph	49.33	0.09	20.39	42.20	1,003.30	738.30	7,365.22	18,294.45	27,513.28
50 mph	51.93	0.10	21.43	45.51	1,135.50	826.52	6,552.42	16,216.12	24,849.53
55 mph	37.80	0.07	15.59	31.27	757.20	545.85	2,203.84	5,514.94	9,106.56
60 mph	62.41	0.12	25.72	43.11	916.34	656.35	91,031.57	226,244.94	318,980.56
65 mph	10.73	0.02	4.42	8.53	171.68	121.75	-	-	317.12
70 mph	156.59	0.28	63.92	196.88	4,131.67	2,938.13	-	-	7,487.48
total	1,201.96	2.30	497.72	906.41	18,596.56	13,844.17	186,336.77	461,720.42	683,106.31

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1,562.57	1,562.57
15 mph								437.02	437.02
20 mph								763.26	763.26
25 mph								3,871.61	3,871.61
30 mph								3,330.46	3,330.46
35 mph								1,431.31	1,431.31
40 mph								1,528.90	1,528.90
45 mph								1,181.75	1,181.75
50 mph								1,862.64	1,862.64
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	15,969.51	15,969.51

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1,375.96	1,375.96
25 mph								2,220.77	2,220.77
30 mph								3,602.40	3,602.40
35 mph								3,440.39	3,440.39
40 mph								3,031.85	3,031.85
45 mph								2,130.39	2,130.39
50 mph								1,033.20	1,033.20
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	10,639.52	10,639.52

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								208.55	208.55
15 mph								695.74	695.74
25 mph								2,451.99	2,451.99
35 mph								-	-
total	-	-	-	-	-	-	-	3,356.27	3,356.27

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								208.55	208.55
10 mph								1,562.57	1,562.57
15 mph								1,132.75	1,132.75
20 mph								2,139.22	2,139.22
25 mph								8,544.37	8,544.37
30 mph								6,932.86	6,932.86
35 mph								4,871.70	4,871.70
40 mph								4,560.75	4,560.75
45 mph								3,312.14	3,312.14
50 mph								2,895.84	2,895.84
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	36,160.75	36,160.75

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	871.31	589.37	2,418.61	3,154.62	7,033.91
10 mph	8,002.21	712.58	3,519.27	1,529.95	2,598.13	1,297.56	6,279.66	14,326.61	38,265.96
15 mph	6,737.42	600.06	2,963.43	1,229.60	1,961.39	946.70	4,303.96	9,708.02	28,450.56
20 mph	4,435.21	395.02	1,950.78	863.67	1,366.24	663.19	7,903.52	18,199.53	35,777.17
25 mph	17,888.14	1,593.63	7,869.02	3,298.53	6,511.84	3,192.28	29,737.49	66,195.84	136,286.77
30 mph	18,028.11	1,606.21	7,930.52	3,428.57	5,490.95	2,694.14	22,445.37	50,382.32	112,006.19
35 mph	24,963.56	2,224.01	10,980.10	4,648.53	5,514.77	2,748.06	14,876.33	33,498.34	99,453.69
40 mph	6,935.78	618.14	3,050.56	1,768.87	3,235.41	1,605.07	13,441.39	30,184.50	60,839.71
45 mph	5,715.98	509.37	2,512.32	1,444.41	2,608.08	1,275.86	9,709.22	21,631.90	45,407.14
50 mph	6,177.69	550.55	2,714.59	1,594.38	2,917.81	1,423.39	8,726.15	19,135.37	43,239.94
55 mph	4,464.55	397.75	1,961.93	1,079.47	1,942.46	942.74	2,942.35	5,522.88	19,254.12
60 mph	6,999.97	624.43	3,083.44	1,421.67	2,394.13	1,151.20	120,732.15	226,563.75	362,970.74
65 mph	1,098.36	98.02	484.54	257.86	452.95	215.90	-	-	2,607.63
70 mph	15,008.61	1,335.52	6,601.94	5,606.20	10,902.93	5,198.98	-	-	44,654.18
STREX	418.96	37.81	189.18	332.82	28.39	9.43	27.37	0.30	1,044.28
total	126,874.54	11,265.29	55,622.46	28,171.69	48,768.40	23,944.44	243,516.19	498,503.68	**1,036,666.68**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	41.29	48.76	49.55	60.89	16.43	18.79	31.63	37.43
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	418.96	37.81	189.18	332.82	28.39	9.43	27.37	0.30
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	418.96	37.81	189.18	332.82	28.39	9.43	27.37	0.30

B.6 Mobile Source Emissions (Project) Unmitigated

World Logistics Center
Mobile Emissions - 2025 Phase 1 (Project) - Unmitigated

Pounds per day

ROG	NOX	CO	SO2	PM10			PM10	PM2.5			PM2.5	Black Carbon	N2O	CH4	CO2
				Exhaust	Dust	Brake	Total	Exhaust	Dust	Brake	Total				
80.19	1,353.05	1,211.39	11.04	13.12	293.39	141.48	447.99	12.48	72.01	55.52	140.01	9.32	122.97	35.77	1,174,610.93

Tons per year

ROG	NOX	CO	SO2	PM10			PM10	PM2.5			PM2.5	Black Carbon	N2O	CH4	CO2
				Exhaust	Dust	Brake	Total	Exhaust	Dust	Brake	Total				
14.63	246.93	221.08	2.01	2.39	53.54	25.82	81.76	2.28	13.14	10.13	25.55	1.70	22.44	6.53	214,366.50

World Logistics Center
Mobile Emissions - 2025 Phase 1 (Project) - Unmitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	15,676.57	158.18	472.92	313,647.85	3,164.86	9,461.97
LDT1	1,185.99	0.48	16.72	23,728.52	9.63	334.61
LDT2	5,869.03	45.16	107.18	117,424.15	903.54	2,144.40
MDT	1,679.38	43.07	28.37	24,883.94	638.25	420.31
LHDT1	839.72	663.54	-	20,041.05	15,836.23	-
LHDT2	255.99	466.74	-	6,109.62	11,139.44	-
MHDT	399.27	2,045.76	-	17,578.36	90,066.23	-
HHDT	2.85	3,859.67	214.45	125.64	169,924.96	9,441.27

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	163,077.14	1,645.53	4,919.63	150,570.71	1,519.33	4,542.34
LDT1	12,337.34	5.01	173.98	11,391.18	4.62	160.63
LDT2	61,053.17	469.78	1,114.95	56,370.99	433.76	1,029.45
MDT	11,556.73	296.42	195.20	13,327.20	341.83	225.11
LHDT1	7,878.66	6,225.64	-	12,162.39	9,610.60	-
LHDT2	2,401.85	4,379.21	-	3,707.77	6,760.24	-
MHDT	3,680.38	18,857.16	-	13,897.98	71,209.07	-
HHDT	26.31	35,577.18	1,976.72	99.34	134,347.78	7,464.55

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	7%	0%	0%
15	1%	2%	0%	0%
20	6%	6%	1%	1%
25	25%	25%	2%	2%
30	24%	20%	3%	5%
35	14%	8%	4%	6%
40	6%	7%	6%	7%
45	4%	9%	13%	5%
50	4%	11%	11%	3%
55	7%	1%	8%	1%
60	5%	4%	4%	70%
65	0%	0%	2%	0%
70	0%	0%	47%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	7,338.47	555.18	2,747.39	520.05	354.54	108.08	257.63	1.84	11,883.19
15 mph	1,630.77	123.37	610.53	115.57	78.79	24.02	73.61	0.53	2,657.18
20 mph	9,784.63	740.24	3,663.19	693.40	472.72	144.11	220.82	1.58	15,720.69
25 mph	40,769.28	3,084.33	15,263.29	2,889.18	1,969.66	600.46	920.10	6.58	65,502.89
30 mph	39,138.51	2,960.96	14,652.76	2,773.62	1,890.88	576.44	736.08	5.26	62,734.51
35 mph	22,830.80	1,727.23	8,547.44	1,617.94	1,103.01	336.26	294.43	2.10	36,459.22
40 mph	9,784.63	740.24	3,663.19	693.40	472.72	144.11	257.63	1.84	15,757.76
45 mph	6,523.09	493.49	2,442.13	462.27	315.15	96.07	331.23	2.37	10,665.80
50 mph	6,523.09	493.49	2,442.13	462.27	315.15	96.07	404.84	2.89	10,739.93
55 mph	11,415.40	863.61	4,273.72	808.97	551.51	168.13	36.80	0.26	18,118.41
60 mph	7,338.47	555.18	2,747.39	520.05	354.54	108.08	147.22	1.05	11,771.99
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	163,077.14	12,337.34	61,053.17	11,556.73	7,878.66	2,401.85	3,680.38	26.31	262,011.57

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	1,505.71	113.91	563.71	133.27	121.62	37.08	138.98	0.99	2,615.28
25 mph	2,258.56	170.87	845.56	199.91	182.44	55.62	277.96	1.99	3,992.90
30 mph	3,764.27	284.78	1,409.27	333.18	304.06	92.69	694.90	4.97	6,888.12
35 mph	6,022.83	455.65	2,254.84	533.09	486.50	148.31	833.88	5.96	10,741.05
40 mph	9,034.24	683.47	3,382.26	799.63	729.74	222.47	972.86	6.95	15,831.63
45 mph	19,574.19	1,480.85	7,328.23	1,732.54	1,581.11	482.01	694.90	4.97	32,878.80
50 mph	16,562.78	1,253.03	6,200.81	1,465.99	1,337.86	407.85	416.94	2.98	27,648.25
55 mph	12,045.66	911.29	4,509.68	1,066.18	972.99	296.62	138.98	0.99	19,942.39
60 mph	6,022.83	455.65	2,254.84	533.09	486.50	148.31	9,728.59	69.54	19,699.33
65 mph	3,011.41	227.82	1,127.42	266.54	243.25	74.16	-	-	4,950.60
70 mph	70,768.23	5,353.86	26,494.36	6,263.79	5,716.32	1,742.65	-	-	116,339.21
total	150,570.71	11,391.18	56,370.99	13,327.20	12,162.39	3,707.77	13,897.98	99.34	261,527.56

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	34.98	10.67	16.64	0.14	62.43
15 mph	3,124.07	236.35	1,169.60	345.51	175.59	53.53	79.29	0.57	5,184.50
25 mph	-	-	-	-	516.72	157.52	345.75	2.47	1,022.46
35 mph	48,151.58	3,642.83	18,027.09	2,223.19	-	-	-	-	72,044.70
total	51,275.65	3,879.18	19,196.69	2,568.70	692.30	211.05	425.04	3.04	78,251.66

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	34.98	10.67	16.64	0.14	62.43
10 mph	7,338.47	555.18	2,747.39	520.05	354.54	108.08	257.63	1.84	11,883.19
15 mph	4,754.84	359.72	1,780.13	461.08	254.37	77.55	152.90	1.09	7,841.68
20 mph	11,290.34	854.15	4,226.90	826.68	594.34	181.19	359.80	2.57	18,335.97
25 mph	43,027.84	3,255.20	16,108.86	3,089.09	2,668.82	813.60	1,543.81	11.03	70,518.26
30 mph	42,902.78	3,245.74	16,062.04	3,106.80	2,194.94	669.14	1,430.98	10.23	69,622.63
35 mph	77,005.21	5,825.70	28,829.38	4,374.22	1,589.51	484.57	1,128.31	8.06	119,244.97
40 mph	18,818.87	1,423.71	7,045.45	1,493.04	1,202.46	366.58	1,230.49	8.80	31,589.39
45 mph	26,097.28	1,974.35	9,770.35	2,194.81	1,896.26	578.08	1,026.13	7.33	43,544.59
50 mph	23,085.86	1,746.52	8,642.94	1,928.26	1,653.01	503.93	821.78	5.87	38,388.18
55 mph	23,461.06	1,774.91	8,783.40	1,875.15	1,524.50	464.75	175.78	1.26	38,060.80
60 mph	13,361.30	1,010.83	5,002.23	1,053.14	841.04	256.39	9,875.80	70.59	31,471.32
65 mph	3,011.41	227.82	1,127.42	266.54	243.25	74.16	-	-	4,950.60
70 mph	70,768.23	5,353.86	26,494.36	6,263.79	5,716.32	1,742.65	-	-	116,339.21
total	364,923.50	27,607.70	136,620.84	27,452.64	20,733.35	6,320.67	18,003.41	128.68	601,790.79

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	74.05	0.23	21.14	13.34	280.15	197.06	1,320.00	2,490.40	4,396.38
15 mph	16.46	0.05	4.70	2.96	62.26	43.79	377.14	711.54	1,218.90
20 mph	98.73	0.30	28.19	17.79	373.54	262.75	1,131.43	2,134.63	4,047.36
25 mph	411.38	1.25	117.45	74.10	1,556.41	1,094.80	4,714.29	8,894.29	16,863.98
30 mph	394.93	1.20	112.75	71.14	1,494.15	1,051.01	3,771.43	7,115.44	14,012.05
35 mph	230.37	0.70	65.77	41.50	871.59	613.09	1,508.57	2,846.17	6,177.77
40 mph	98.73	0.30	28.19	17.79	373.54	262.75	1,320.00	2,490.40	4,591.70
45 mph	65.82	0.20	18.79	11.86	249.03	175.17	1,697.14	3,201.95	5,419.95
50 mph	65.82	0.20	18.79	11.86	249.03	175.17	2,074.29	3,913.49	6,508.64
55 mph	115.19	0.35	32.88	20.75	435.79	306.54	188.57	355.77	1,455.85
60 mph	74.05	0.23	21.14	13.34	280.15	197.06	754.29	1,423.09	2,763.34
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	1,645.53	5.01	469.78	296.42	6,225.64	4,379.21	18,857.16	35,577.18	67,455.92

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	15.19	0.05	4.34	3.42	96.11	67.60	712.09	1,343.48	2,242.27
25 mph	22.79	0.07	6.51	5.13	144.16	101.40	1,424.18	2,686.96	4,391.19
30 mph	37.98	0.12	10.84	8.55	240.26	169.01	3,560.45	6,717.39	10,744.60
35 mph	60.77	0.18	17.35	13.67	384.42	270.41	4,272.54	8,060.87	13,080.23
40 mph	91.16	0.28	26.03	20.51	576.64	405.61	4,984.63	9,404.34	15,509.20
45 mph	197.51	0.60	56.39	44.44	1,249.38	878.83	3,560.45	6,717.39	12,704.99
50 mph	167.13	0.51	47.71	37.60	1,057.17	743.63	2,136.27	4,030.43	8,220.45
55 mph	121.55	0.37	34.70	27.35	768.85	540.82	712.09	1,343.48	3,549.20
60 mph	60.77	0.18	17.35	13.67	384.42	270.41	49,846.35	94,043.45	144,636.61
65 mph	30.39	0.09	8.68	6.84	192.21	135.20	-	-	373.41
70 mph	714.09	2.17	203.87	160.66	4,516.98	3,177.31	-	-	8,775.08
total	1,519.33	4.62	433.76	341.83	9,610.60	6,760.24	71,209.07	134,347.78	224,227.23

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	27.64	19.45	85.25	160.83	293.17
15 mph	31.52	0.10	9.00	8.86	138.75	97.60	406.27	766.50	1,458.60
25 mph	-	-	-	-	408.30	287.21	1,771.53	3,342.28	5,809.32
35 mph	485.87	1.48	138.71	57.02	-	-	-	-	683.09
total	517.40	1.57	147.71	65.88	547.05	384.80	2,177.80	4,108.79	7,951.01

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	27.64	19.45	85.25	160.83	293.17
10 mph	74.05	0.23	21.14	13.34	280.15	197.06	1,320.00	2,490.40	4,396.38
15 mph	47.98	0.15	13.70	11.83	201.00	141.39	783.42	1,478.05	2,677.51
20 mph	113.93	0.35	32.52	21.20	469.64	330.35	1,843.52	3,478.11	6,289.63
25 mph	434.17	1.32	123.95	79.23	2,108.87	1,483.41	7,910.00	14,923.53	27,064.49
30 mph	432.91	1.32	123.59	79.69	1,734.42	1,220.02	7,331.89	13,832.83	24,756.65
35 mph	777.02	2.36	221.83	112.19	1,256.01	883.50	5,781.12	10,907.04	19,941.08
40 mph	189.89	0.58	54.21	38.29	950.17	668.37	6,304.64	11,894.75	20,100.90
45 mph	263.33	0.80	75.18	56.29	1,498.40	1,054.00	5,257.60	9,919.34	18,124.95
50 mph	232.95	0.71	66.50	49.46	1,306.19	918.79	4,210.56	7,943.92	14,729.09
55 mph	236.73	0.72	67.59	48.10	1,204.64	847.36	900.66	1,699.25	5,005.05
60 mph	134.82	0.41	38.49	27.01	664.58	467.47	50,600.63	95,466.53	147,399.95
65 mph	30.39	0.09	8.68	6.84	192.21	135.20	-	-	373.41
70 mph	714.09	2.17	203.87	160.66	4,516.98	3,177.31	-	-	8,775.08
total	3,682.26	11.20	1,051.25	704.13	16,383.28	11,524.25	92,244.03	174,033.75	299,634.16

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	221.38	7.83	50.17	8.78	-	-	-	138.37	426.54
15 mph	49.20	1.74	11.15	1.95	-	-	-	39.53	103.57
20 mph	295.18	10.44	66.90	11.71	-	-	-	118.60	502.83
25 mph	1,229.91	43.49	278.74	48.80	-	-	-	494.18	2,095.12
30 mph	1,180.71	41.75	267.59	46.85	-	-	-	395.34	1,932.25
35 mph	688.75	24.36	156.09	27.33	-	-	-	158.14	1,054.66
40 mph	295.18	10.44	66.90	11.71	-	-	-	138.37	522.60
45 mph	196.79	6.96	44.60	7.81	-	-	-	177.90	434.06
50 mph	196.79	6.96	44.60	7.81	-	-	-	217.44	473.59
55 mph	344.37	12.18	78.05	13.66	-	-	-	19.77	468.03
60 mph	221.38	7.83	50.17	8.78	-	-	-	79.07	367.24
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	4,919.63	173.98	1,114.95	195.20	-	-	-	1,976.72	8,380.48

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	45.42	1.61	10.29	2.25	-	-	-	74.65	134.22
25 mph	68.14	2.41	15.44	3.38	-	-	-	149.29	238.65
30 mph	113.56	4.02	25.74	5.63	-	-	-	373.23	522.17
35 mph	181.69	6.43	41.18	9.00	-	-	-	447.87	686.17
40 mph	272.54	9.64	61.77	13.51	-	-	-	522.52	879.97
45 mph	590.50	20.88	133.83	29.26	-	-	-	373.23	1,147.71
50 mph	499.66	17.67	113.24	24.76	-	-	-	223.94	879.26
55 mph	363.39	12.85	82.36	18.01	-	-	-	74.65	551.25
60 mph	181.69	6.43	41.18	9.00	-	-	-	5,225.19	5,463.49
65 mph	90.85	3.21	20.59	4.50	-	-	-	-	119.15
70 mph	2,134.90	75.50	483.84	105.80	-	-	-	-	2,800.04
total	4,542.34	160.63	1,029.45	225.11	-	-	-	7,464.55	13,422.08

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	8.94	8.94
15 mph	94.25	3.33	21.36	5.84	-	-	-	42.59	167.36
25 mph	-	-	-	-	-	-	-	185.70	185.70
35 mph	1,452.61	51.37	329.21	37.55	-	-	-	-	1,870.74
total	1,546.86	54.70	350.57	43.39	-	-	-	228.29	2,223.81

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	8.94	8.94
10 mph	221.38	7.83	50.17	8.78	-	-	-	138.37	426.54
15 mph	143.44	5.07	32.51	7.79	-	-	-	82.12	270.93
20 mph	340.60	12.04	77.19	13.96	-	-	-	193.25	637.05
25 mph	1,298.04	45.90	294.18	52.18	-	-	-	829.17	2,519.48
30 mph	1,294.27	45.77	293.33	52.48	-	-	-	768.57	2,454.41
35 mph	2,323.05	82.15	526.48	73.88	-	-	-	606.01	3,611.58
40 mph	567.72	20.08	128.66	25.22	-	-	-	660.89	1,402.57
45 mph	787.29	27.84	178.43	37.07	-	-	-	551.13	1,581.76
50 mph	696.44	24.63	157.84	32.57	-	-	-	441.38	1,352.85
55 mph	707.76	25.03	160.40	31.67	-	-	-	94.41	1,019.28
60 mph	403.08	14.25	91.35	17.79	-	-	-	5,304.26	5,830.73
65 mph	90.85	3.21	20.59	4.50	-	-	-	-	119.15
70 mph	2,134.90	75.50	483.84	105.80	-	-	-	-	2,800.04
total	5,620.79	198.77	1,273.86	209.07	-	-	-	2,617.50	24,026.37

World Logistics Center
Mobile Emissions - 2025 Phase 1 (Project) - Unmitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	15280	330	0.21	3208.9	3084.7	31.1	93.1
	LDT1	15	1127	330	0.21	236.8	233.4	0.1	3.3
	LDT2	15	5642	330	0.21	1184.8	1154.9	8.9	21.1
	MDT	15	1700	330	0.21	357.0	342.4	8.8	5.8
	LHDT1	15	1494	330	0.21	313.6	175.2	138.4	0.0
	LHDT2	15	718	330	0.21	150.8	53.4	97.4	0.0
	MHDT	15	2286	330	0.21	480.2	78.4	401.7	0.0
	HHDT	15	3813	330	0.21	800.6	0.6	758.0	42.1
Travel at Light Logistics	LDA	15	45	175	0.11	4.9	4.7	0.0	0.1
	LDT1	15	3	175	0.11	0.4	0.4	0.0	0.0
	LDT2	15	16	175	0.11	1.8	1.8	0.0	0.0
	MDT	15	4	175	0.11	0.5	0.4	0.0	0.0
	LHDT1	15	2	175	0.11	0.3	0.1	0.1	0.0
	LHDT2	15	1	175	0.11	0.1	0.0	0.1	0.0
	MHDT	15	3	175	0.11	0.3	0.1	0.3	0.0
	HHDT	15	5	175	0.11	0.6	0.0	0.5	0.0
Travel at Utility	LDA	15	219	100	0.06	13.1	12.6	0.1	0.4
	LDT1	15	16	100	0.06	1.0	1.0	0.0	0.0
	LDT2	15	81	100	0.06	4.9	4.7	0.0	0.1
	MDT	15	47	100	0.06	2.8	2.7	0.1	0.0
	LHDT1	15	7	100	0.06	0.4	0.2	0.2	0.0
	LHDT2	15	3	100	0.06	0.2	0.1	0.1	0.0
	MHDT	15	14	100	0.06	0.8	0.1	0.7	0.0
	HHDT	15	23	100	0.06	1.4	0.0	1.3	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	142	50	0.03	4.3	0.7	3.6	0.0
	HHDT	15	237	50	0.03	7.1	0.0	6.7	0.4
Travel at Convenience Store	LDA	15	669	50	0.03	20.1	19.3	0.2	0.6
	LDT1	15	49	50	0.03	1.5	1.5	0.0	0.0
	LDT2	15	247	50	0.03	7.4	7.2	0.1	0.1
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	95	50	0.03	2.8	2.7	0.0	0.1
	LDT1	15	7	50	0.03	0.2	0.2	0.0	0.0
	LDT2	15	35	50	0.03	1.1	1.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	3124.1	236.3	1169.6	345.5	175.6	53.5	79.3	0.6
Diesel	31.5	0.1	9.0	8.9	138.7	97.6	406.3	766.5
Electric	94.2	3.3	21.4	5.8	0.0	0.0	0.0	42.6

World Logistics Center
Mobile Emissions - 2025 Phase 1 (Project) - Unmitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	747	417	330	0	2085.7	1648.1	0.0
	LHDT2	5	359	127	232	0	635.8	1159.3	0.0
	MHDT	5	1143	187	957	0	933.4	4782.7	0.0
	HHDT	5	1906	1	1805	100	6.7	9023.4	501.4
Travel at Light Logistics	LHDT1	5	1	1	1	0	3.4	2.7	0.0
	LHDT2	5	1	0	0	0	1.0	1.9	0.0
	MHDT	5	2	0	1	0	1.2	6.3	0.0
	HHDT	5	3	0	2	0	0.0	11.8	0.7
Travel at Utility	LHDT1	5	4	2	2	0	9.9	7.9	0.0
	LHDT2	5	2	1	1	0	3.0	5.5	0.0
	MHDT	5	7	1	6	0	5.5	28.4	0.0
	HHDT	5	11	0	11	1	0.0	53.6	3.0
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	71	12	59	0	58.1	297.5	0.0
	HHDT	5	119	0	112	6	0.4	561.3	31.2
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	35.0	10.7	16.6	0.1
Diesel	27.6	19.4	85.2	160.8
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	8.9

World Logistics Center
Mobile Emissions - 2025 Phase 1 (Project) - Unmitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					16.5775	16.7147	27.0246	11.9128
10 mph	0.0266	0.0724	0.0480	0.0606	0.0762	0.0552	0.1335	1.5332
15 mph	0.0179	0.0493	0.0324	0.0409	0.0522	0.0374	0.0896	1.0155
20 mph	0.0126	0.0355	0.0231	0.0291	0.0384	0.0268	0.0638	0.7219
25 mph	0.0093	0.0266	0.0171	0.0216	0.0291	0.0199	0.0467	0.5364
30 mph	0.0072	0.0210	0.0133	0.0169	0.0232	0.0156	0.0358	0.4214
35 mph	0.0059	0.0174	0.0109	0.0138	0.0196	0.0129	0.0291	0.3503
40 mph	0.0051	0.0152	0.0095	0.0120	0.0175	0.0114	0.0255	0.3071
45 mph	0.0047	0.0139	0.0087	0.0111	0.0164	0.0105	0.0232	0.2830
50 mph	0.0045	0.0134	0.0083	0.0106	0.0161	0.0102	0.0224	0.2742
55 mph	0.0045	0.0134	0.0084	0.0108	0.0167	0.0104	0.0231	0.2811
60 mph	0.0048	0.0139	0.0088	0.0113	0.0179	0.0112	0.0248	0.3007
65 mph	0.0053	0.0152	0.0096	0.0125	0.0205	0.0127		
70 mph	0.0055	0.0181	0.0100	0.0135	0.0212	0.0119		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5302	2.3625
10 mph	0.1088	0.4774	0.1930	0.1109	0.5417	0.5436	0.0359	0.0830
15 mph	0.0556	0.3253	0.0948	0.0549	0.2798	0.2797	0.0200	0.0478
20 mph	0.0242	0.2328	0.0375	0.0224	0.1282	0.1266	0.0132	0.0294
25 mph	0.0155	0.1827	0.0227	0.0140	0.0845	0.0830	0.0103	0.0248
30 mph	0.0120	0.1522	0.0172	0.0107	0.0669	0.0653	0.0083	0.0201
35 mph	0.0097	0.1331	0.0138	0.0087	0.0564	0.0545	0.0068	0.0164
40 mph	0.0082	0.1214	0.0114	0.0073	0.0493	0.0473	0.0059	0.0141
45 mph	0.0072	0.1154	0.0097	0.0063	0.0444	0.0424	0.0054	0.0130
50 mph	0.0066	0.1152	0.0085	0.0056	0.0419	0.0398	0.0054	0.0130
55 mph	0.0062	0.1205	0.0076	0.0051	0.0403	0.0381	0.0059	0.0143
60 mph	0.0062	0.1313	0.0072	0.0050	0.0411	0.0387	0.0069	0.0166
65 mph	0.0065	0.1510	0.0073	0.0052	0.0472	0.0439		
70 mph	0.0066	0.1780	0.0076	0.0058	0.0761	0.0645		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0769
10 mph								0.6514
15 mph								0.4069
20 mph								0.2600
25 mph								0.1922
30 mph								0.1469
35 mph								0.1129
40 mph								0.0875
45 mph								0.0689
50 mph								0.0555
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.4311	0.0886	0.2910	0.0695	0.0596	0.0132	0.0758	0.0062	1.0349
15 mph	0.0644	0.0134	0.0437	0.0104	0.0091	0.0020	0.0145	0.0012	0.1587
20 mph	0.2723	0.0580	0.1862	0.0445	0.0400	0.0085	0.0311	0.0025	0.6431
25 mph	0.8357	0.1812	0.5751	0.1376	0.1263	0.0264	0.0947	0.0078	1.9848
30 mph	0.6211	0.1370	0.4300	0.1031	0.0966	0.0198	0.0581	0.0049	1.4707
35 mph	0.2950	0.0662	0.2051	0.0494	0.0476	0.0096	0.0189	0.0016	0.6933
40 mph	0.1096	0.0247	0.0763	0.0184	0.0182	0.0036	0.0145	0.0012	0.2667
45 mph	0.0672	0.0151	0.0467	0.0113	0.0114	0.0022	0.0169	0.0015	0.1722
50 mph	0.0646	0.0145	0.0448	0.0109	0.0112	0.0022	0.0200	0.0017	0.1699
55 mph	0.1145	0.0256	0.0791	0.0192	0.0203	0.0039	0.0019	0.0002	0.2646
60 mph	0.0775	0.0171	0.0531	0.0130	0.0140	0.0027	0.0081	0.0007	0.1861
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	2.9530	0.6413	2.0310	0.4872	0.4543	0.0940	0.3545	0.0295	7.0449

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0419	0.0089	0.0287	0.0086	0.0103	0.0022	0.0195	0.0016	0.1216
25 mph	0.0463	0.0100	0.0319	0.0095	0.0117	0.0024	0.0286	0.0023	0.1428
30 mph	0.0597	0.0132	0.0414	0.0124	0.0155	0.0032	0.0549	0.0046	0.2049
35 mph	0.0778	0.0175	0.0541	0.0163	0.0210	0.0042	0.0536	0.0046	0.2490
40 mph	0.1012	0.0228	0.0705	0.0212	0.0282	0.0056	0.0546	0.0047	0.3089
45 mph	0.2016	0.0453	0.1401	0.0422	0.0572	0.0112	0.0355	0.0031	0.5361
50 mph	0.1641	0.0369	0.1136	0.0344	0.0474	0.0091	0.0206	0.0018	0.4281
55 mph	0.1208	0.0270	0.0834	0.0253	0.0358	0.0068	0.0071	0.0006	0.3069
60 mph	0.0636	0.0140	0.0436	0.0133	0.0192	0.0037	0.5320	0.0461	0.7355
65 mph	0.0351	0.0076	0.0239	0.0073	0.0110	0.0021	-	-	0.0870
70 mph	0.8626	0.2138	0.5859	0.1862	0.2673	0.0456	-	-	2.1614
total	1.7748	0.4170	1.2170	0.3768	0.5246	0.0961	0.8065	0.0695	5.2822

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.2788	0.3931	0.9914	0.0037	2.6669
15 mph	0.1234	0.0257	0.0836	0.0312	0.0202	0.0044	0.0157	0.0013	0.3055
25 mph	-	-	-	-	0.0331	0.0069	0.0356	0.0029	0.0786
35 mph	0.6221	0.1395	0.4325	0.0678	-	-	-	-	1.2620
total	0.7455	0.1652	0.5162	0.0990	1.3321	0.4044	1.0427	0.0078	4.3130

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.2788	0.3931	0.9914	0.0037	2.6669
10 mph	0.4311	0.0886	0.2910	0.0695	0.0596	0.0132	0.0758	0.0062	1.0349
15 mph	0.1879	0.0391	0.1273	0.0416	0.0293	0.0064	0.0302	0.0024	0.4642
20 mph	0.3142	0.0669	0.2149	0.0530	0.0503	0.0107	0.0506	0.0041	0.7647
25 mph	0.8819	0.1912	0.6070	0.1472	0.1711	0.0358	0.1589	0.0131	2.2062
30 mph	0.6808	0.1502	0.4713	0.1155	0.1122	0.0230	0.1130	0.0095	1.6755
35 mph	0.9948	0.2232	0.6917	0.1334	0.0686	0.0138	0.0725	0.0062	2.2042
40 mph	0.2109	0.0476	0.1468	0.0396	0.0464	0.0092	0.0691	0.0060	0.5756
45 mph	0.2687	0.0604	0.1867	0.0535	0.0686	0.0134	0.0524	0.0046	0.7083
50 mph	0.2288	0.0514	0.1584	0.0453	0.0586	0.0113	0.0406	0.0036	0.5979
55 mph	0.2353	0.0526	0.1625	0.0446	0.0561	0.0107	0.0090	0.0008	0.5715
60 mph	0.1412	0.0310	0.0967	0.0263	0.0332	0.0063	0.5401	0.0468	0.9217
65 mph	0.0351	0.0076	0.0239	0.0073	0.0110	0.0021	-	-	0.0870
70 mph	0.8626	0.2138	0.5859	0.1862	0.2673	0.0456	-	-	2.1614
total	5.4733	1.2235	3.7642	0.9630	2.3110	0.5945	2.2036	0.1069	16.6401

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0178	0.0002	0.0090	0.0033	0.3347	0.2362	0.1044	0.4557	1.1612
15 mph	0.0020	0.0000	0.0010	0.0004	0.0384	0.0270	0.0166	0.0750	0.1604
20 mph	0.0053	0.0002	0.0023	0.0009	0.1056	0.0733	0.0330	0.1385	0.3591
25 mph	0.0141	0.0005	0.0059	0.0023	0.2902	0.2003	0.1071	0.4867	1.1070
30 mph	0.0104	0.0004	0.0043	0.0017	0.2206	0.1514	0.0692	0.3151	0.7731
35 mph	0.0049	0.0002	0.0020	0.0008	0.1083	0.0737	0.0228	0.1029	0.3156
40 mph	0.0018	0.0001	0.0007	0.0003	0.0406	0.0274	0.0171	0.0775	0.1654
45 mph	0.0010	0.0001	0.0004	0.0002	0.0244	0.0164	0.0201	0.0916	0.1541
50 mph	0.0010	0.0001	0.0004	0.0001	0.0230	0.0154	0.0247	0.1120	0.1766
55 mph	0.0016	0.0001	0.0005	0.0002	0.0388	0.0258	0.0024	0.0112	0.0807
60 mph	0.0010	0.0001	0.0003	0.0001	0.0254	0.0168	0.0114	0.0520	0.1071
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0608	0.0019	0.0268	0.0102	1.2498	0.8636	0.4288	1.9182	4.5602

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0008	0.0000	0.0004	0.0002	0.0272	0.0189	0.0207	0.0872	0.1553
25 mph	0.0008	0.0000	0.0003	0.0002	0.0269	0.0185	0.0324	0.1470	0.2261
30 mph	0.0010	0.0000	0.0004	0.0002	0.0355	0.0243	0.0654	0.2975	0.4243
35 mph	0.0013	0.0001	0.0005	0.0003	0.0478	0.0325	0.0645	0.2914	0.4383
40 mph	0.0016	0.0001	0.0007	0.0003	0.0626	0.0423	0.0645	0.2925	0.4647
45 mph	0.0031	0.0002	0.0012	0.0006	0.1224	0.0822	0.0422	0.1921	0.4440
50 mph	0.0024	0.0001	0.0009	0.0005	0.0977	0.0652	0.0254	0.1154	0.3076
55 mph	0.0017	0.0001	0.0006	0.0003	0.0684	0.0455	0.0092	0.0424	0.1681
60 mph	0.0008	0.0001	0.0003	0.0002	0.0348	0.0231	0.7531	3.4357	4.2480
65 mph	0.0004	0.0000	0.0001	0.0001	0.0200	0.0131	-	-	0.0338
70 mph	0.0104	0.0009	0.0034	0.0020	0.7577	0.4519	-	-	1.2263
total	0.0245	0.0015	0.0088	0.0048	1.3010	0.8175	1.0774	4.9012	8.1367

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1934	0.1361	0.0997	0.8378	1.2670
15 mph	0.0039	0.0001	0.0019	0.0011	0.0856	0.0602	0.0179	0.0808	0.2513
25 mph	-	-	-	-	0.0761	0.0525	0.0402	0.1829	0.3518
35 mph	0.0103	0.0004	0.0042	0.0011	-	-	-	-	0.0161
total	0.0142	0.0005	0.0061	0.0022	0.3551	0.2488	0.1578	1.1015	1.8862

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1934	0.1361	0.0997	0.8378	1.2670
10 mph	0.0178	0.0002	0.0090	0.0033	0.3347	0.2362	0.1044	0.4557	1.1612
15 mph	0.0059	0.0001	0.0029	0.0014	0.1240	0.0872	0.0345	0.1558	0.4117
20 mph	0.0061	0.0002	0.0027	0.0010	0.1328	0.0922	0.0537	0.2257	0.5144
25 mph	0.0149	0.0005	0.0062	0.0024	0.3932	0.2713	0.1797	0.8166	1.6848
30 mph	0.0114	0.0004	0.0047	0.0019	0.2560	0.1757	0.1346	0.6126	1.1974
35 mph	0.0165	0.0007	0.0067	0.0022	0.1561	0.1062	0.0873	0.3943	0.7700
40 mph	0.0034	0.0002	0.0014	0.0006	0.1032	0.0697	0.0816	0.3700	0.6302
45 mph	0.0042	0.0002	0.0016	0.0008	0.1468	0.0986	0.0623	0.2836	0.5982
50 mph	0.0034	0.0002	0.0012	0.0006	0.1207	0.0806	0.0501	0.2274	0.4842
55 mph	0.0032	0.0002	0.0011	0.0005	0.1071	0.0713	0.0117	0.0536	0.2488
60 mph	0.0018	0.0001	0.0006	0.0003	0.0602	0.0399	0.7644	3.4877	4.3551
65 mph	0.0004	0.0000	0.0001	0.0001	0.0200	0.0131	-	-	0.0338
70 mph	0.0104	0.0009	0.0034	0.0020	0.7577	0.4519	-	-	1.2263
total	0.0995	0.0039	0.0417	0.0172	2.9059	1.9299	1.6640	7.9209	14.5831

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1987	0.1987
15 mph								0.0355	0.0355
20 mph								0.0680	0.0680
25 mph								0.2094	0.2094
30 mph								0.1281	0.1281
35 mph								0.0394	0.0394
40 mph								0.0267	0.0267
45 mph								0.0270	0.0270
50 mph								0.0266	0.0266
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.7594	0.7594

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0428	0.0428
25 mph								0.0633	0.0633
30 mph								0.1209	0.1209
35 mph								0.1115	0.1115
40 mph								0.1008	0.1008
45 mph								0.0567	0.0567
50 mph								0.0274	0.0274
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.3384	0.3384

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0015	0.0015
15 mph								0.0382	0.0382
25 mph								0.0787	0.0787
35 mph								-	-
total	-	-	-	-	-	-	-	0.1184	0.1184

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0015	0.0015
10 mph								0.1987	0.1987
15 mph								0.0737	0.0737
20 mph								0.1108	0.1108
25 mph								0.3514	0.3514
30 mph								0.2489	0.2489
35 mph								0.1508	0.1508
40 mph								0.1275	0.1275
45 mph								0.0837	0.0837
50 mph								0.0540	0.0540
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.4011	1.4011

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2808	0.7353	0.4851	0.5389	0.8360	0.7130	0.4357	0.6079
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS + HOTSOAK Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	9.7057	1.9229	6.2776	1.9956	1.5480	0.4025	0.3836	0.0038
Electric/NG	-	-	-	-	-	-	-	-
Total	**9.7057**	**1.9229**	**6.2776**	**1.9956**	**1.5480**	**0.4025**	**0.3836**	**0.0038**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.4041	0.8944	0.6467	0.7821	0.0815	0.0743	0.0570	0.0897
Electric/NG	0.0314	0.0313	0.0313	0.0314	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	6.9834	1.1695	4.1844	1.4480	0.0755	0.0210	0.0251	0.0003
Electric/NG	0.0164	0.0006	0.0037	0.0010	-	-	-	-
Total	6.9998	1.1701	4.1881	1.4490	0.0755	0.0210	0.0251	0.0003

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1731	0.2647	0.2461	0.3063	0.0997	0.1004	0.1800	0.0016
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5.9828	0.6922	3.1852	1.1343	0.1846	0.0566	0.1585	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	5.9828	0.6922	3.1852	1.1343	0.1846	0.0566	0.1585	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.4722	0.5291	1.0911	0.8430	3.9354
10 mph	0.4489	0.0889	0.3000	0.0727	0.3942	0.2494	0.1803	0.6606	2.3949
15 mph	0.1937	0.0392	0.1302	0.0430	0.1532	0.0936	0.0647	0.2319	0.9496
20 mph	0.3203	0.0671	0.2176	0.0541	0.1831	0.1029	0.1043	0.3406	1.3900
25 mph	0.8968	0.1918	0.6132	0.1496	0.5643	0.3071	0.3386	1.1810	4.2424
30 mph	0.6922	0.1506	0.4760	0.1174	0.3682	0.1987	0.2476	0.8711	3.1219
35 mph	1.0114	0.2239	0.6984	0.1356	0.2247	0.1200	0.1598	0.5514	3.1251
40 mph	0.2143	0.0477	0.1482	0.0402	0.1496	0.0789	0.1507	0.5035	1.3333
45 mph	0.2729	0.0606	0.1884	0.0543	0.2154	0.1120	0.1147	0.3719	1.3901
50 mph	0.2321	0.0516	0.1597	0.0459	0.1793	0.0919	0.0907	0.2849	1.1361
55 mph	0.2385	0.0527	0.1636	0.0451	0.1633	0.0820	0.0206	0.0544	0.8203
60 mph	0.1430	0.0312	0.0974	0.0266	0.0934	0.0462	1.3045	3.5345	5.2768
65 mph	0.0355	0.0077	0.0240	0.0074	0.0310	0.0152	-	-	0.1208
70 mph	0.8731	0.2146	0.5893	0.1883	1.0250	0.4975	-	-	3.3877
RL + HS	9.7057	1.9229	6.2776	1.9956	1.5480	0.4025	0.3836	0.0038	22.2397
RL + DIURN	6.9998	1.1701	4.1881	1.4490	0.0755	0.0210	0.0251	0.0003	13.9287
STREX	5.9828	0.6922	3.1852	1.1343	0.1846	0.0566	0.1585	0.0000	11.3944
total	28.2611	5.0127	17.4568	5.5591	7.0250	3.0046	4.4348	9.4330	**80.1871**

World Logistics Center
Mobile Emissions - 2025 Phase 1 (Project) - Unmitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.4463	1.4572	2.4017	27.6978
10 mph	0.0434	0.1235	0.0890	0.1099	0.1981	0.2141	0.3957	4.9533
15 mph	0.0383	0.1062	0.0775	0.0957	0.1754	0.1883	0.3520	4.3850
20 mph	0.0343	0.0938	0.0690	0.0854	0.1626	0.1713	0.3200	4.0179
25 mph	0.0311	0.0841	0.0620	0.0771	0.1507	0.1567	0.2890	3.7078
30 mph	0.0287	0.0772	0.0570	0.0711	0.1428	0.1462	0.2641	3.4903
35 mph	0.0268	0.0724	0.0532	0.0668	0.1378	0.1387	0.2463	3.3446
40 mph	0.0256	0.0693	0.0508	0.0639	0.1342	0.1333	0.2361	3.2388
45 mph	0.0248	0.0677	0.0494	0.0622	0.1321	0.1298	0.2272	3.1736
50 mph	0.0245	0.0681	0.0490	0.0620	0.1326	0.1283	0.2248	3.1575
55 mph	0.0249	0.0706	0.0503	0.0635	0.1362	0.1308	0.2293	3.2214
60 mph	0.0260	0.0753	0.0530	0.0669	0.1413	0.1357	0.2377	3.3288
65 mph	0.0271	0.0811	0.0558	0.0708	0.1493	0.1424		
70 mph	0.0277	0.0922	0.0571	0.0755	0.1675	0.1433		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					48.7866	49.0431	35.9232	29.0695
10 mph	0.0889	0.7076	0.1266	0.0853	0.8978	0.8482	5.0511	11.9729
15 mph	0.0668	0.7240	0.0862	0.0603	0.7735	0.7362	3.5623	7.8289
20 mph	0.0513	0.7461	0.0584	0.0436	0.7710	0.7215	2.8352	5.3867
25 mph	0.0444	0.7698	0.0457	0.0364	0.7733	0.7185	2.2214	4.6098
30 mph	0.0408	0.7958	0.0390	0.0330	0.8128	0.7466	1.6721	3.4776
35 mph	0.0383	0.8211	0.0347	0.0312	0.8786	0.7937	1.2349	2.7048
40 mph	0.0371	0.8525	0.0316	0.0298	0.9349	0.8364	0.9097	2.0106
45 mph	0.0367	0.8875	0.0294	0.0287	0.9745	0.8689	0.6968	1.5627
50 mph	0.0367	0.9207	0.0278	0.0284	1.0323	0.9174	0.6010	1.2913
55 mph	0.0366	0.9595	0.0265	0.0281	1.0540	0.9408	0.6182	1.3357
60 mph	0.0374	0.9959	0.0261	0.0283	1.0710	0.9554	0.7482	1.5901
65 mph	0.0375	1.0203	0.0265	0.0295	1.2082	1.0666		
70 mph	0.0394	1.0094	0.0292	0.0358	2.1949	1.7651		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								34.1590
10 mph								3.8454
15 mph								2.8728
20 mph								2.2584
25 mph								1.9545
30 mph								1.7731
35 mph								1.6393
40 mph								1.5381
45 mph								1.4617
50 mph								1.4057
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.7028	0.1512	0.5393	0.1260	0.1549	0.0510	0.2248	0.0201	1.9702
15 mph	0.1376	0.0289	0.1043	0.0244	0.0305	0.0100	0.0571	0.0051	0.3979
20 mph	0.7399	0.1532	0.5574	0.1306	0.1695	0.0544	0.1558	0.0140	1.9748
25 mph	2.7926	0.5717	2.0881	0.4914	0.6547	0.2075	0.5863	0.0538	7.4461
30 mph	2.4729	0.5038	1.8408	0.4351	0.5952	0.1858	0.4287	0.0405	6.5028
35 mph	1.3510	0.2758	1.0031	0.2383	0.3351	0.1029	0.1599	0.0155	3.4816
40 mph	0.5520	0.1131	0.4101	0.0977	0.1399	0.0424	0.1341	0.0132	1.5024
45 mph	0.3569	0.0737	0.2659	0.0634	0.0918	0.0275	0.1659	0.0166	1.0617
50 mph	0.3528	0.0741	0.2640	0.0632	0.0921	0.0272	0.2007	0.0201	1.0942
55 mph	0.6265	0.1345	0.4742	0.1133	0.1657	0.0485	0.0186	0.0019	1.5831
60 mph	0.4200	0.0922	0.3210	0.0767	0.1105	0.0323	0.0772	0.0077	1.1377
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	10.5051	2.1722	7.8681	1.8601	2.5398	0.7895	2.2091	0.2084	28.1523

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.1139	0.0236	0.0858	0.0251	0.0436	0.0140	0.0981	0.0088	0.4128
25 mph	0.1547	0.0317	0.1157	0.0340	0.0606	0.0192	0.1771	0.0162	0.6093
30 mph	0.2378	0.0485	0.1770	0.0523	0.0957	0.0299	0.4047	0.0382	1.0841
35 mph	0.3564	0.0728	0.2646	0.0785	0.1478	0.0454	0.4528	0.0440	1.4622
40 mph	0.5097	0.1044	0.3786	0.1126	0.2159	0.0654	0.5065	0.0497	1.9429
45 mph	1.0711	0.2211	0.7980	0.2376	0.4605	0.1379	0.3481	0.0348	3.3091
50 mph	0.8957	0.1882	0.6703	0.2003	0.3911	0.1154	0.2067	0.0207	2.6884
55 mph	0.6611	0.1419	0.5003	0.1494	0.2923	0.0855	0.0703	0.0071	1.9078
60 mph	0.3447	0.0757	0.2635	0.0786	0.1516	0.0444	5.0997	0.5104	6.5686
65 mph	0.1799	0.0407	0.1388	0.0416	0.0801	0.0233	-	-	0.5044
70 mph	4.3238	1.0888	3.3378	1.0430	2.1117	0.5507	-	-	12.4559
total	8.8487	2.0374	6.7304	2.0530	4.0509	1.1311	7.3640	0.7299	32.9455

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1116	0.0343	0.0881	0.0085	0.2424
15 mph	0.2636	0.0553	0.1998	0.0729	0.0679	0.0222	0.0615	0.0055	0.7489
25 mph	-	-	-	-	0.1717	0.0544	0.2203	0.0202	0.4667
35 mph	2.8493	0.5816	2.1155	0.3275	-	-	-	-	5.8739
total	3.1129	0.6370	2.3154	0.4004	0.3512	0.1109	0.3700	0.0342	7.3320

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1116	0.0343	0.0881	0.0085	0.2424
10 mph	0.7028	0.1512	0.5393	0.1260	0.1549	0.0510	0.2248	0.0201	1.9702
15 mph	0.4013	0.0842	0.3041	0.0973	0.0984	0.0322	0.1187	0.0106	1.1468
20 mph	0.8538	0.1767	0.6432	0.1557	0.2131	0.0684	0.2539	0.0228	2.3876
25 mph	2.9473	0.6033	2.2038	0.5254	0.8870	0.2812	0.9838	0.0902	8.5221
30 mph	2.7108	0.5523	2.0178	0.4873	0.6910	0.2157	0.8334	0.0787	7.5869
35 mph	4.5566	0.9302	3.3832	0.6443	0.4830	0.1482	0.6127	0.0595	10.8177
40 mph	1.0617	0.2176	0.7887	0.2103	0.3558	0.1078	0.6406	0.0628	3.4452
45 mph	1.4280	0.2948	1.0639	0.3010	0.5522	0.1654	0.5140	0.0513	4.3708
50 mph	1.2485	0.2623	0.9343	0.2635	0.4833	0.1426	0.4073	0.0409	3.7826
55 mph	1.2875	0.2764	0.9745	0.2627	0.4579	0.1340	0.0889	0.0089	3.4909
60 mph	0.7648	0.1679	0.5845	0.1553	0.2620	0.0767	5.1769	0.5181	7.7063
65 mph	0.1799	0.0407	0.1388	0.0416	0.0801	0.0233	-	-	0.5044
70 mph	4.3238	1.0888	3.3378	1.0430	2.1117	0.5507	-	-	12.4559
total	22.4667	4.8465	16.9140	4.3136	6.9419	2.0316	9.9431	0.9725	68.4298

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0145	0.0004	0.0059	0.0025	0.5546	0.3686	14.7017	65.7472	81.3953
15 mph	0.0024	0.0001	0.0009	0.0004	0.1062	0.0711	2.9624	12.2831	15.4266
20 mph	0.0112	0.0005	0.0036	0.0017	0.6351	0.4180	7.0732	25.3542	33.4975
25 mph	0.0403	0.0021	0.0118	0.0059	2.6538	1.7345	23.0914	90.4071	117.9469
30 mph	0.0355	0.0021	0.0097	0.0052	2.6780	1.7303	13.9055	54.5621	72.9284
35 mph	0.0195	0.0013	0.0050	0.0029	1.6886	1.0729	4.1076	16.9751	23.8729
40 mph	0.0081	0.0006	0.0020	0.0012	0.7701	0.4846	2.6479	11.0408	14.9550
45 mph	0.0053	0.0004	0.0012	0.0008	0.5351	0.3356	2.6077	11.0329	14.5190
50 mph	0.0053	0.0004	0.0012	0.0007	0.5668	0.3544	2.7488	11.1433	14.8209
55 mph	0.0093	0.0007	0.0019	0.0013	1.0128	0.6359	0.2571	1.0479	2.9669
60 mph	0.0061	0.0005	0.0012	0.0008	0.6616	0.4152	1.2443	4.9896	7.3194
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.1575	0.0090	0.0445	0.0234	11.8626	7.6211	75.3476	304.5832	399.6488

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0017	0.0001	0.0006	0.0003	0.1634	0.1076	4.4517	15.9572	20.6825
25 mph	0.0022	0.0001	0.0007	0.0004	0.2458	0.1607	6.9759	27.3119	34.6976
30 mph	0.0034	0.0002	0.0009	0.0006	0.4306	0.2782	13.1276	51.5098	65.3514
35 mph	0.0051	0.0003	0.0013	0.0009	0.7448	0.4732	11.6335	48.0766	60.9358
40 mph	0.0075	0.0005	0.0018	0.0013	1.1887	0.7481	9.9989	41.6925	53.6394
45 mph	0.0160	0.0012	0.0036	0.0028	2.6847	1.6838	5.4707	23.1460	33.0089
50 mph	0.0135	0.0010	0.0029	0.0024	2.4062	1.5043	2.8309	11.4763	18.2376
55 mph	0.0098	0.0008	0.0020	0.0017	1.7868	1.1219	0.9707	3.9570	7.8507
60 mph	0.0050	0.0004	0.0010	0.0009	0.9079	0.5697	82.2311	329.7330	413.4489
65 mph	0.0025	0.0002	0.0005	0.0004	0.5121	0.3180	-	-	0.8337
70 mph	0.0621	0.0048	0.0131	0.0127	21.8612	12.3664	-	-	34.3203
total	0.1289	0.0097	0.0285	0.0245	32.9322	19.3319	137.6909	552.8604	743.0070

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.9738	2.1028	6.7525	10.3092	22.1383
15 mph	0.0046	0.0002	0.0017	0.0012	0.2366	0.1584	3.1912	13.2319	16.8259
25 mph	-	-	-	-	0.6962	0.4550	8.6773	33.9730	43.8015
35 mph	0.0410	0.0027	0.0106	0.0039	-	-	-	-	0.0583
total	0.0457	0.0028	0.0123	0.0051	3.9066	2.7163	18.6210	57.5140	82.8239

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.9738	2.1028	6.7525	10.3092	22.1383
10 mph	0.0145	0.0004	0.0059	0.0025	0.5546	0.3686	14.7017	65.7472	81.3953
15 mph	0.0071	0.0002	0.0026	0.0016	0.3428	0.2295	6.1537	25.5150	32.2525
20 mph	0.0129	0.0006	0.0042	0.0020	0.7985	0.5256	11.5249	41.3115	54.1801
25 mph	0.0425	0.0022	0.0125	0.0064	3.5958	2.3502	38.7446	151.6920	196.4460
30 mph	0.0389	0.0023	0.0106	0.0058	3.1086	2.0086	27.0331	106.0719	138.2798
35 mph	0.0656	0.0043	0.0170	0.0077	2.4334	1.5462	15.7411	65.0517	84.8670
40 mph	0.0155	0.0011	0.0038	0.0025	1.9588	1.2327	12.6468	52.7333	68.5944
45 mph	0.0213	0.0016	0.0049	0.0036	3.2199	2.0194	8.0784	34.1790	47.5279
50 mph	0.0189	0.0014	0.0041	0.0031	2.9731	1.8587	5.5797	22.6196	33.0585
55 mph	0.0191	0.0015	0.0040	0.0030	2.7996	1.7578	1.2278	5.0048	10.8176
60 mph	0.0111	0.0009	0.0022	0.0017	1.5695	0.9849	83.4754	334.7226	420.7683
65 mph	0.0025	0.0002	0.0005	0.0004	0.5121	0.3180	-	-	0.8337
70 mph	0.0621	0.0048	0.0131	0.0127	21.8612	12.3664	-	-	34.3203
total	0.3321	0.0215	0.0853	0.0530	48.7014	29.6693	231.6595	914.9576	1,225.4797

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1.1733	1.1733
15 mph								0.2504	0.2504
20 mph								0.5906	0.5906
25 mph								2.1297	2.1297
30 mph								1.5457	1.5457
35 mph								0.5716	0.5716
40 mph								0.4693	0.4693
45 mph								0.5734	0.5734
50 mph								0.6740	0.6740
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	7.9780	7.9780

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.3717	0.3717
25 mph								0.6434	0.6434
30 mph								1.4592	1.4592
35 mph								1.6190	1.6190
40 mph								1.7722	1.7722
45 mph								1.2029	1.2029
50 mph								0.6941	0.6941
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	4.0933	4.0933

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.6731	0.6731
15 mph								0.2698	0.2698
25 mph								0.8003	0.8003
35 mph								-	-
total	-	-	-	-	-	-	-	1.7432	1.7432

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.6731	0.6731
10 mph								1.1733	1.1733
15 mph								0.5202	0.5202
20 mph								0.9623	0.9623
25 mph								3.5734	3.5734
30 mph								3.0049	3.0049
35 mph								2.1906	2.1906
40 mph								2.2414	2.2414
45 mph								1.7763	1.7763
50 mph								1.3680	1.3680
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	17.4836	17.4836

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.0854	2.1371	6.8406	10.9908	23.0538
10 mph	0.7173	0.1515	0.5452	0.1285	0.7095	0.4196	14.9265	66.9405	84.5388
15 mph	0.4083	0.0844	0.3067	0.0989	0.4412	0.2617	6.2723	26.0457	33.9194
20 mph	0.8667	0.1773	0.6474	0.1578	1.0115	0.5940	11.7787	42.2966	57.5300
25 mph	2.9898	0.6056	2.2162	0.5318	4.4828	2.6314	39.7284	155.3556	208.5415
30 mph	2.7497	0.5546	2.0284	0.4931	3.7996	2.2243	27.8665	109.1555	148.8717
35 mph	4.6223	0.9345	3.4002	0.6520	2.9164	1.6944	16.3538	67.3018	97.8753
40 mph	1.0772	0.2187	0.7925	0.2128	2.3146	1.3404	13.2874	55.0375	74.2811
45 mph	1.4494	0.2964	1.0688	0.3046	3.7721	2.1848	8.5924	36.0066	53.6750
50 mph	1.2673	0.2638	0.9383	0.2666	3.4563	2.0013	5.9870	24.0286	38.2092
55 mph	1.3066	0.2779	0.9784	0.2657	3.2575	1.8918	1.3166	5.0138	14.3084
60 mph	0.7759	0.1688	0.5867	0.1570	1.8315	1.0616	88.6523	335.2408	428.4746
65 mph	0.1824	0.0409	0.1393	0.0420	0.5921	0.3413	-	-	1.3381
70 mph	4.3859	1.0936	3.3509	1.0557	23.9729	12.9172	-	-	46.7762
STREX	5.3539	0.5437	2.8326	0.9887	0.8557	0.2685	9.9907	20.8246	41.6584
total	28.1527	5.4118	19.8318	5.3553	56.4990	31.9693	251.5933	954.2384	**1,353.0516**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1549	0.2079	0.2189	0.2670	0.4622	0.4756	0.3376	0.3511
Diesel	-	-	-	-	-	-	2.1489	2.4467
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5.3539	0.5437	2.8326	0.9887	0.8557	0.2685	0.2972	0.0022
Diesel	-	-	-	-	-	-	9.6935	20.8224
Electric/NG	-	-	-	-	-	-	-	-
Total	5.3539	0.5437	2.8326	0.9887	0.8557	0.2685	9.9907	20.8246

World Logistics Center
Mobile Emissions - 2025 Phase 1 (Project) - Unmitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					154.3729	154.6577	386.3347	279.6230
10 mph	0.9146	1.6748	1.2664	1.4074	1.0604	0.6823	1.4088	50.6029
15 mph	0.8340	1.4991	1.1478	1.2724	0.8610	0.5912	1.2762	45.2947
20 mph	0.7628	1.3573	1.0468	1.1585	0.7390	0.5243	1.1725	41.1197
25 mph	0.6980	1.2306	0.9544	1.0559	0.6395	0.4658	1.0556	37.3867
30 mph	0.6403	1.1230	0.8732	0.9668	0.5689	0.4189	0.9501	34.1779
35 mph	0.5892	1.0327	0.8021	0.8898	0.5224	0.3830	0.8646	31.4685
40 mph	0.5464	0.9581	0.7436	0.8255	0.4945	0.3581	0.8057	29.2695
45 mph	0.5095	0.8945	0.6936	0.7706	0.4788	0.3385	0.7447	27.3107
50 mph	0.4752	0.8415	0.6473	0.7214	0.4757	0.3230	0.6990	25.6452
55 mph	0.4424	0.7916	0.6045	0.6756	0.4928	0.3175	0.6674	24.3124
60 mph	0.4064	0.7360	0.5568	0.6254	0.5234	0.3174	0.6362	23.1611
65 mph	0.3755	0.6929	0.5166	0.5835	0.5937	0.3325		
70 mph	0.3612	0.7258	0.4982	0.5718	0.5983	0.2815		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	20.1449	34.5882
10 mph	2.2643	2.6450	1.7955	2.4140	2.1624	2.1973	0.4840	1.3133
15 mph	1.1172	1.7608	0.8798	1.1798	1.1225	1.1333	0.2632	0.7325
20 mph	0.4488	1.2241	0.3451	0.4653	0.5336	0.5295	0.1761	0.4514
25 mph	0.2761	0.9761	0.2086	0.2836	0.3629	0.3566	0.1347	0.3651
30 mph	0.2112	0.8396	0.1582	0.2167	0.2962	0.2888	0.1035	0.2810
35 mph	0.1702	0.7619	0.1263	0.1748	0.2594	0.2500	0.0782	0.2106
40 mph	0.1428	0.7296	0.1047	0.1456	0.2374	0.2264	0.0588	0.1593
45 mph	0.1238	0.7359	0.0893	0.1247	0.2256	0.2133	0.0452	0.1231
50 mph	0.1108	0.7825	0.0781	0.1100	0.2274	0.2130	0.0376	0.1023
55 mph	0.1017	0.8795	0.0697	0.0990	0.2356	0.2194	0.0359	0.0987
60 mph	0.1010	1.0382	0.0669	0.0959	0.2602	0.2405	0.0399	0.1092
65 mph	0.1063	1.2915	0.0684	0.1000	0.3321	0.3025		
70 mph	0.1114	1.5070	0.0709	0.1101	0.6139	0.5130		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								32.7471
10 mph								34.5971
15 mph								24.3573
20 mph								17.6151
25 mph								12.9129
30 mph								9.5213
35 mph								7.0220
40 mph								5.1804
45 mph								3.8236
50 mph								2.8242
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	14.7996	2.0502	7.6720	1.6139	0.8289	0.1626	0.8003	0.2055	28.1330
15 mph	2.9991	0.4078	1.5452	0.3242	0.1496	0.0313	0.2071	0.0525	5.7169
20 mph	16.4578	2.2154	8.4552	1.7713	0.7703	0.1666	0.5709	0.1431	30.5505
25 mph	62.7491	8.3692	32.1198	6.7268	2.7774	0.6168	2.1416	0.5422	116.0429
30 mph	55.2589	7.3322	28.2135	5.9130	2.3718	0.5324	1.5420	0.3965	101.5604
35 mph	29.6626	3.9331	15.1175	3.1744	1.2705	0.2840	0.5613	0.1460	54.1495
40 mph	11.7878	1.5639	6.0064	1.2622	0.5155	0.1138	0.4577	0.1188	21.8262
45 mph	7.3290	0.9734	3.7349	0.7855	0.3327	0.0717	0.5439	0.1426	13.9136
50 mph	6.8348	0.9156	3.4856	0.7353	0.3306	0.0684	0.6239	0.1636	13.1578
55 mph	11.1345	1.5074	5.6962	1.2051	0.5993	0.1177	0.0542	0.0141	20.3284
60 mph	6.5763	0.9009	3.3730	0.7172	0.4092	0.0756	0.2065	0.0537	12.3125
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	225.5894	30.1691	115.4192	24.2289	10.3558	2.2411	7.7095	1.9787	417.6917

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	2.5326	0.3409	1.3011	0.3404	0.1982	0.0429	0.3593	0.0901	5.2055
25 mph	3.4762	0.4636	1.7794	0.4654	0.2573	0.0571	0.6470	0.1638	7.3098
30 mph	5.3147	0.7052	2.7135	0.7103	0.3814	0.0856	1.4557	0.3743	11.7408
35 mph	7.8251	1.0376	3.9881	1.0459	0.5604	0.1253	1.5897	0.4136	16.5855
40 mph	10.8838	1.4440	5.5458	1.4556	0.7958	0.1757	1.7284	0.4488	22.4778
45 mph	21.9924	2.9208	11.2075	2.9438	1.6693	0.3598	1.1410	0.2991	42.5337
50 mph	17.3542	2.3249	8.8502	2.3319	1.4034	0.2905	0.6426	0.1685	33.3661
55 mph	11.7492	1.5906	6.0107	1.5882	1.0572	0.2077	0.2045	0.0533	22.4615
60 mph	5.3973	0.7394	2.7683	0.7352	0.5615	0.1038	13.6469	3.5513	27.5036
65 mph	2.4933	0.3481	1.2843	0.3429	0.3184	0.0544	-	-	4.8415
70 mph	56.3594	8.5687	29.1072	7.8969	7.5417	1.0817	-	-	110.5557
total	145.3782	20.4839	74.5561	19.8567	14.7444	2.5844	21.4152	5.5627	304.5817

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	11.9083	3.6370	14.1733	0.0858	29.8044
15 mph	5.7453	0.7813	2.9601	0.9694	0.3334	0.0698	0.2231	0.0566	11.1390
25 mph	-	-	-	-	0.7286	0.1618	0.8048	0.2037	1.8989
35 mph	62.5603	8.2952	31.8839	4.3619	-	-	-	-	107.1012
total	68.3056	9.0764	34.8440	5.3313	12.9702	3.8686	15.2012	0.3462	149.9435

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	11.9083	3.6370	14.1733	0.0858	29.8044
10 mph	14.7996	2.0502	7.6720	1.6139	0.8289	0.1626	0.8003	0.2055	28.1330
15 mph	8.7444	1.1891	4.5053	1.2936	0.4829	0.1011	0.4303	0.1092	16.8559
20 mph	18.9904	2.5564	9.7563	2.1117	0.9685	0.2095	0.9302	0.2332	35.7560
25 mph	66.2253	8.8328	33.8992	7.1923	3.7633	0.8357	3.5933	0.9097	125.2516
30 mph	60.5736	8.0374	30.9270	6.6234	2.7532	0.6181	2.9977	0.7708	113.3011
35 mph	100.0480	13.2658	50.9895	8.5822	1.8308	0.4093	2.1511	0.5596	177.8362
40 mph	22.6716	3.0079	11.5523	2.7178	1.3113	0.2895	2.1862	0.5676	44.3041
45 mph	29.3214	3.8942	14.9424	3.7293	2.0020	0.4315	1.6849	0.4417	56.4473
50 mph	24.1889	3.2405	12.3357	3.0672	1.7339	0.3589	1.2665	0.3322	46.5240
55 mph	22.8837	3.0981	11.7069	2.7933	1.6565	0.3254	0.2587	0.0674	42.7899
60 mph	11.9735	1.6404	6.1413	1.4524	0.9707	0.1794	13.8534	3.6050	39.8161
65 mph	2.4933	0.3481	1.2843	0.3429	0.3184	0.0544	-	-	4.8415
70 mph	56.3594	8.5687	29.1072	7.8969	7.5417	1.0817	-	-	110.5557
total	439.2733	59.7294	224.8193	49.4169	38.0705	8.6940	44.3259	7.8875	872.2169

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.3697	0.0013	0.0837	0.0710	1.3358	0.9548	1.4089	7.2115	11.4367
15 mph	0.0405	0.0002	0.0091	0.0077	0.1541	0.1094	0.2189	1.1493	1.6892
20 mph	0.0977	0.0008	0.0215	0.0182	0.4395	0.3068	0.4393	2.1248	3.4485
25 mph	0.2504	0.0027	0.0540	0.0463	1.2453	0.8610	1.4002	7.1594	11.0193
30 mph	0.1839	0.0022	0.0393	0.0340	0.9757	0.6694	0.8608	4.4083	7.1737
35 mph	0.0865	0.0012	0.0183	0.0160	0.4986	0.3380	0.2602	1.3215	2.5402
40 mph	0.0311	0.0005	0.0065	0.0057	0.1955	0.1312	0.1711	0.8746	1.4162
45 mph	0.0180	0.0003	0.0037	0.0033	0.1239	0.0824	0.1692	0.8690	1.2697
50 mph	0.0161	0.0003	0.0032	0.0029	0.1249	0.0823	0.1720	0.8828	1.2844
55 mph	0.0258	0.0007	0.0051	0.0045	0.2264	0.1483	0.0149	0.0774	0.5031
60 mph	0.0165	0.0005	0.0031	0.0028	0.1607	0.1045	0.0664	0.3426	0.6972
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	1.1362	0.0108	0.2475	0.2125	5.4804	3.7879	5.1818	26.4212	42.4784

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0150	0.0001	0.0033	0.0035	0.1131	0.0789	0.2765	1.3373	1.8277
25 mph	0.0139	0.0001	0.0030	0.0032	0.1153	0.0797	0.4230	2.1628	2.8012
30 mph	0.0177	0.0002	0.0038	0.0041	0.1569	0.1076	0.8126	4.1617	5.2646
35 mph	0.0228	0.0003	0.0048	0.0053	0.2199	0.1491	0.7368	3.7427	4.8818
40 mph	0.0287	0.0004	0.0060	0.0066	0.3018	0.2025	0.6461	3.3028	4.4950
45 mph	0.0539	0.0010	0.0111	0.0122	0.6214	0.4133	0.3550	1.8230	3.2910
50 mph	0.0408	0.0009	0.0082	0.0091	0.5301	0.3492	0.1772	0.9092	2.0246
55 mph	0.0272	0.0007	0.0053	0.0060	0.3994	0.2616	0.0563	0.2925	1.0490
60 mph	0.0135	0.0004	0.0026	0.0029	0.2205	0.1434	4.3901	22.6425	27.4160
65 mph	0.0071	0.0003	0.0013	0.0015	0.1408	0.0902	-	-	0.2412
70 mph	0.1754	0.0072	0.0319	0.0390	6.1143	3.5941	-	-	9.9619
total	0.4161	0.0117	0.0813	0.0934	8.9335	5.4697	7.8737	40.3745	63.2539

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.6031	1.1277	3.7867	12.2664	18.7838
15 mph	0.0777	0.0004	0.0175	0.0231	0.3434	0.2439	0.2358	1.2381	2.1797
25 mph	-	-	-	-	0.3267	0.2259	0.5262	2.6903	3.7691
35 mph	0.1824	0.0025	0.0386	0.0220	-	-	-	-	0.2455
total	0.2601	0.0029	0.0561	0.0450	2.2732	1.5974	4.5486	16.1947	24.9780

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.6031	1.1277	3.7867	12.2664	18.7838
10 mph	0.3697	0.0013	0.0837	0.0710	1.3358	0.9548	1.4089	7.2115	11.4367
15 mph	0.1182	0.0006	0.0266	0.0308	0.4975	0.3533	0.4546	2.3873	3.8689
20 mph	0.1127	0.0009	0.0248	0.0218	0.5526	0.3857	0.7157	3.4620	5.2762
25 mph	0.2643	0.0028	0.0570	0.0495	1.6873	1.1666	2.3494	12.0126	17.5895
30 mph	0.2016	0.0024	0.0431	0.0381	1.1327	0.7770	1.6734	8.5700	12.4383
35 mph	0.2917	0.0040	0.0618	0.0432	0.7185	0.4871	0.9970	5.0642	7.6675
40 mph	0.0598	0.0009	0.0125	0.0123	0.4973	0.3337	0.8173	4.1774	5.9112
45 mph	0.0719	0.0013	0.0148	0.0155	0.7452	0.4957	0.5243	2.6920	4.5606
50 mph	0.0569	0.0012	0.0114	0.0120	0.6549	0.4314	0.3492	1.7919	3.3090
55 mph	0.0531	0.0014	0.0104	0.0105	0.6258	0.4099	0.0712	0.3699	1.5522
60 mph	0.0300	0.0009	0.0057	0.0057	0.3813	0.2479	4.4565	22.9852	28.1132
65 mph	0.0071	0.0003	0.0013	0.0015	0.1408	0.0902	-	-	0.2412
70 mph	0.1754	0.0072	0.0319	0.0390	6.1143	3.5941	-	-	9.9619
total	1.8124	0.0253	0.3850	0.3509	16.6871	10.8550	17.6041	82.9904	130.7103

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								10.5558	10.5558
15 mph								2.1233	2.1233
20 mph								4.6067	4.6067
25 mph								14.0707	14.0707
30 mph								8.3001	8.3001
35 mph								2.4485	2.4485
40 mph								1.5806	1.5806
45 mph								1.4999	1.4999
50 mph								1.3541	1.3541
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	46.5397	46.5397

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								2.8993	2.8993
25 mph								4.2508	4.2508
30 mph								7.8357	7.8357
35 mph								6.9347	6.9347
40 mph								5.9686	5.9686
45 mph								3.1467	3.1467
50 mph								1.3946	1.3946
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	21.9205	21.9205

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.6453	0.6453
15 mph								2.2873	2.2873
25 mph								5.2875	5.2875
35 mph								-	-
total	-	-	-	-	-	-	-	8.2201	8.2201

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.6453	0.6453
10 mph								10.5558	10.5558
15 mph								4.4106	4.4106
20 mph								7.5060	7.5060
25 mph								23.6090	23.6090
30 mph								16.1358	16.1358
35 mph								9.3832	9.3832
40 mph								7.5492	7.5492
45 mph								4.6466	4.6466
50 mph								2.7486	2.7486
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	87.1901	87.1901

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	13.5114	4.7647	17.9600	12.9974	49.2335
10 mph	15.1694	2.0515	7.7557	1.6849	2.1648	1.1174	2.2092	17.9728	50.1256
15 mph	8.8626	1.1896	4.5319	1.3244	0.9805	0.4544	0.8849	6.9071	25.1354
20 mph	19.1031	2.5573	9.7810	2.1335	1.5211	0.5952	1.6459	11.2013	48.5383
25 mph	66.4896	8.8357	33.9562	7.2418	5.4506	2.0023	5.9427	36.5312	166.4501
30 mph	60.7752	8.0398	30.9701	6.6614	3.8859	1.3950	4.6712	25.4766	141.8752
35 mph	100.3397	13.2698	51.0512	8.6254	2.5493	0.8963	3.1481	15.0070	194.8869
40 mph	22.7314	3.0088	11.5648	2.7301	1.8086	0.6231	3.0034	12.2942	57.7644
45 mph	29.3933	3.8955	14.9572	3.7448	2.7473	0.9272	2.2091	7.7803	65.6546
50 mph	24.2458	3.2417	12.3472	3.0792	2.3888	0.7904	1.6157	4.8727	52.5816
55 mph	22.9368	3.0995	11.7172	2.8038	2.2823	0.7353	0.3299	0.4373	44.3421
60 mph	12.0036	1.6413	6.1470	1.4581	1.3520	0.4273	18.3100	26.5902	67.9293
65 mph	2.5004	0.3484	1.2857	0.3444	0.4592	0.1446	-	-	5.0827
70 mph	56.5348	8.5759	29.1391	7.9360	13.6560	4.6758	-	-	120.5176
STREX	67.1318	5.3729	31.4848	10.0881	2.9575	0.8761	3.3329	0.0336	121.2776
total	508.2175	65.1276	256.6890	59.8559	57.7151	20.4252	65.2629	178.1016	**1,211.3949**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.9421	2.0546	2.4329	2.7243	1.5973	1.5521	3.7857	5.3327
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	67.1318	5.3729	31.4848	10.0881	2.9575	0.8761	3.3329	0.0336
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	67.1318	5.3729	31.4848	10.0881	2.9575	0.8761	3.3329	0.0336

World Logistics Center
Mobile Emissions - 2025 Phase 1 (Project) - Unmitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0552	0.0552	0.1397	0.2211
10 mph	0.0046	0.0054	0.0057	0.0070	0.0146	0.0168	0.0302	0.0360
15 mph	0.0038	0.0044	0.0046	0.0057	0.0119	0.0137	0.0247	0.0295
20 mph	0.0032	0.0037	0.0038	0.0048	0.0099	0.0114	0.0205	0.0246
25 mph	0.0027	0.0031	0.0033	0.0041	0.0085	0.0097	0.0175	0.0211
30 mph	0.0024	0.0028	0.0029	0.0036	0.0075	0.0086	0.0156	0.0187
35 mph	0.0022	0.0026	0.0027	0.0034	0.0070	0.0080	0.0145	0.0173
40 mph	0.0022	0.0025	0.0026	0.0033	0.0067	0.0078	0.0140	0.0167
45 mph	0.0022	0.0025	0.0026	0.0033	0.0068	0.0078	0.0141	0.0167
50 mph	0.0022	0.0026	0.0027	0.0034	0.0070	0.0080	0.0145	0.0172
55 mph	0.0023	0.0027	0.0028	0.0035	0.0073	0.0083	0.0150	0.0179
60 mph	0.0024	0.0028	0.0029	0.0036	0.0075	0.0087	0.0156	0.0186
65 mph	0.0024	0.0029	0.0030	0.0037	0.0078	0.0089		
70 mph	0.0025	0.0029	0.0030	0.0038	0.0079	0.0090		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0347	0.0558	0.0577	0.0531
10 mph	0.0037	0.0081	0.0050	0.0062	0.0090	0.0100	0.0176	0.0292
15 mph	0.0030	0.0068	0.0041	0.0053	0.0058	0.0066	0.0138	0.0213
20 mph	0.0025	0.0056	0.0034	0.0044	0.0050	0.0057	0.0118	0.0176
25 mph	0.0021	0.0046	0.0028	0.0037	0.0044	0.0051	0.0103	0.0151
30 mph	0.0018	0.0040	0.0025	0.0032	0.0040	0.0046	0.0091	0.0132
35 mph	0.0016	0.0036	0.0022	0.0029	0.0040	0.0046	0.0081	0.0121
40 mph	0.0015	0.0033	0.0021	0.0027	0.0039	0.0044	0.0074	0.0110
45 mph	0.0015	0.0032	0.0020	0.0026	0.0038	0.0043	0.0070	0.0104
50 mph	0.0015	0.0032	0.0020	0.0026	0.0040	0.0044	0.0069	0.0101
55 mph	0.0016	0.0034	0.0021	0.0028	0.0042	0.0046	0.0071	0.0104
60 mph	0.0017	0.0037	0.0023	0.0030	0.0042	0.0046	0.0076	0.0110
65 mph	0.0019	0.0041	0.0025	0.0034	0.0043	0.0046		
70 mph	0.0021	0.0042	0.0027	0.0037	0.0044	0.0047		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0751	0.0066	0.0343	0.0080	0.0114	0.0040	0.0172	0.0001	0.1568
15 mph	0.0136	0.0012	0.0062	0.0015	0.0021	0.0007	0.0040	0.0000	0.0294
20 mph	0.0681	0.0060	0.0311	0.0073	0.0103	0.0036	0.0100	0.0001	0.1364
25 mph	0.2425	0.0214	0.1108	0.0259	0.0367	0.0129	0.0356	0.0003	0.4862
30 mph	0.2066	0.0183	0.0945	0.0221	0.0313	0.0110	0.0253	0.0002	0.4093
35 mph	0.1118	0.0099	0.0512	0.0120	0.0169	0.0059	0.0094	0.0001	0.2172
40 mph	0.0464	0.0041	0.0212	0.0050	0.0070	0.0025	0.0080	0.0001	0.0943
45 mph	0.0311	0.0027	0.0142	0.0033	0.0047	0.0016	0.0103	0.0001	0.0681
50 mph	0.0320	0.0028	0.0146	0.0034	0.0048	0.0017	0.0129	0.0001	0.0725
55 mph	0.0583	0.0051	0.0266	0.0063	0.0088	0.0031	0.0012	0.0000	0.1094
60 mph	0.0386	0.0034	0.0177	0.0042	0.0059	0.0021	0.0051	0.0000	0.0769
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.9242	0.0816	0.4226	0.0990	0.1400	0.0491	0.1389	0.0012	1.8565

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0105	0.0009	0.0048	0.0014	0.0027	0.0009	0.0063	0.0001	0.0275
25 mph	0.0134	0.0012	0.0061	0.0018	0.0034	0.0012	0.0108	0.0001	0.0380
30 mph	0.0199	0.0018	0.0091	0.0027	0.0050	0.0018	0.0239	0.0002	0.0643
35 mph	0.0295	0.0026	0.0135	0.0040	0.0075	0.0026	0.0266	0.0002	0.0865
40 mph	0.0429	0.0038	0.0196	0.0058	0.0108	0.0038	0.0300	0.0003	0.1170
45 mph	0.0933	0.0082	0.0427	0.0125	0.0236	0.0083	0.0215	0.0002	0.2104
50 mph	0.0814	0.0072	0.0372	0.0109	0.0205	0.0072	0.0133	0.0001	0.1778
55 mph	0.0615	0.0054	0.0281	0.0083	0.0156	0.0055	0.0046	0.0000	0.1289
60 mph	0.0317	0.0028	0.0145	0.0043	0.0081	0.0028	0.3353	0.0028	0.4024
65 mph	0.0162	0.0014	0.0074	0.0022	0.0042	0.0015	-	-	0.0329
70 mph	0.3856	0.0343	0.1765	0.0530	0.0996	0.0347	-	-	0.7837
total	0.7858	0.0697	0.3596	0.1067	0.2009	0.0702	0.4723	0.0040	2.0692

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0043	0.0013	0.0051	0.0001	0.0107
15 mph	0.0261	0.0023	0.0119	0.0044	0.0046	0.0016	0.0043	0.0000	0.0553
25 mph	-	-	-	-	0.0096	0.0034	0.0134	0.0001	0.0265
35 mph	0.2357	0.0208	0.1079	0.0165	-	-	-	-	0.3810
total	0.2619	0.0231	0.1198	0.0209	0.0185	0.0063	0.0228	0.0002	0.4735

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0043	0.0013	0.0051	0.0001	0.0107
10 mph	0.0751	0.0066	0.0343	0.0080	0.0114	0.0040	0.0172	0.0001	0.1568
15 mph	0.0398	0.0035	0.0182	0.0058	0.0067	0.0023	0.0083	0.0001	0.0847
20 mph	0.0786	0.0069	0.0359	0.0087	0.0130	0.0045	0.0163	0.0001	0.1639
25 mph	0.2560	0.0226	0.1170	0.0277	0.0497	0.0174	0.0597	0.0005	0.5507
30 mph	0.2265	0.0200	0.1036	0.0248	0.0363	0.0127	0.0492	0.0004	0.4736
35 mph	0.3770	0.0333	0.1725	0.0325	0.0244	0.0086	0.0360	0.0003	0.6846
40 mph	0.0893	0.0079	0.0409	0.0107	0.0179	0.0063	0.0380	0.0003	0.2112
45 mph	0.1245	0.0110	0.0569	0.0159	0.0283	0.0099	0.0318	0.0003	0.2785
50 mph	0.1134	0.0100	0.0518	0.0144	0.0254	0.0089	0.0262	0.0002	0.2503
55 mph	0.1197	0.0106	0.0547	0.0145	0.0244	0.0085	0.0058	0.0000	0.2384
60 mph	0.0703	0.0062	0.0322	0.0084	0.0140	0.0049	0.3404	0.0029	0.4793
65 mph	0.0162	0.0014	0.0074	0.0022	0.0042	0.0015	-	-	0.0329
70 mph	0.3856	0.0343	0.1765	0.0530	0.0996	0.0347	-	-	0.7837
total	1.9719	0.1745	0.9020	0.2265	0.3594	0.1256	0.6340	0.0054	4.3993

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0002	0.0002	0.0055	0.0044	0.0512	0.1603	0.2224
15 mph	0.0001	0.0000	0.0000	0.0000	0.0008	0.0006	0.0115	0.0335	0.0466
20 mph	0.0005	0.0000	0.0002	0.0002	0.0041	0.0033	0.0295	0.0829	0.1207
25 mph	0.0019	0.0000	0.0007	0.0006	0.0151	0.0122	0.1073	0.2958	0.4337
30 mph	0.0016	0.0000	0.0006	0.0005	0.0132	0.0106	0.0753	0.2073	0.3091
35 mph	0.0008	0.0000	0.0003	0.0003	0.0077	0.0062	0.0269	0.0757	0.1180
40 mph	0.0003	0.0000	0.0001	0.0001	0.0032	0.0026	0.0216	0.0604	0.0883
45 mph	0.0002	0.0000	0.0001	0.0001	0.0021	0.0016	0.0263	0.0733	0.1037
50 mph	0.0002	0.0000	0.0001	0.0001	0.0022	0.0017	0.0317	0.0867	0.1227
55 mph	0.0004	0.0000	0.0002	0.0001	0.0040	0.0031	0.0030	0.0082	0.0189
60 mph	0.0003	0.0000	0.0001	0.0001	0.0026	0.0020	0.0127	0.0346	0.0523
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0070	0.0000	0.0027	0.0022	0.0607	0.0483	0.3969	1.1186	1.6365

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0001	0.0000	0.0000	0.0000	0.0011	0.0008	0.0186	0.0522	0.0728
25 mph	0.0001	0.0000	0.0000	0.0000	0.0014	0.0011	0.0324	0.0894	0.1245
30 mph	0.0002	0.0000	0.0001	0.0001	0.0021	0.0017	0.0711	0.1957	0.2709
35 mph	0.0002	0.0000	0.0001	0.0001	0.0034	0.0027	0.0762	0.2145	0.2973
40 mph	0.0003	0.0000	0.0001	0.0001	0.0050	0.0040	0.0815	0.2280	0.3190
45 mph	0.0006	0.0000	0.0002	0.0003	0.0105	0.0082	0.0552	0.1538	0.2289
50 mph	0.0005	0.0000	0.0002	0.0002	0.0094	0.0072	0.0327	0.0893	0.1396
55 mph	0.0004	0.0000	0.0002	0.0002	0.0071	0.0054	0.0112	0.0308	0.0553
60 mph	0.0002	0.0000	0.0001	0.0001	0.0036	0.0027	0.8372	2.2838	3.1277
65 mph	0.0001	0.0000	0.0000	0.0001	0.0018	0.0014	-	-	0.0034
70 mph	0.0033	0.0000	0.0012	0.0013	0.0440	0.0331	-	-	0.0829
total	0.0061	0.0000	0.0023	0.0025	0.0894	0.0685	1.2161	3.3375	4.7223

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0021	0.0024	0.0109	0.0188	0.0342
15 mph	0.0002	0.0000	0.0001	0.0001	0.0018	0.0014	0.0124	0.0361	0.0521
25 mph	-	-	-	-	0.0040	0.0032	0.0403	0.1112	0.1586
35 mph	0.0018	0.0000	0.0007	0.0004	-	-	-	-	0.0028
total	0.0020	0.0000	0.0008	0.0005	0.0079	0.0070	0.0636	0.1661	0.2477

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0021	0.0024	0.0109	0.0188	0.0342
10 mph	0.0006	0.0000	0.0002	0.0002	0.0055	0.0044	0.0512	0.1603	0.2224
15 mph	0.0003	0.0000	0.0001	0.0001	0.0026	0.0021	0.0239	0.0696	0.0987
20 mph	0.0006	0.0000	0.0002	0.0002	0.0052	0.0041	0.0480	0.1351	0.1935
25 mph	0.0020	0.0000	0.0008	0.0006	0.0205	0.0166	0.1800	0.4963	0.7168
30 mph	0.0017	0.0000	0.0007	0.0006	0.0154	0.0123	0.1465	0.4030	0.5801
35 mph	0.0028	0.0000	0.0011	0.0007	0.0111	0.0089	0.1032	0.2902	0.4181
40 mph	0.0006	0.0000	0.0002	0.0002	0.0082	0.0065	0.1031	0.2884	0.4074
45 mph	0.0009	0.0000	0.0003	0.0003	0.0126	0.0099	0.0815	0.2271	0.3326
50 mph	0.0008	0.0000	0.0003	0.0003	0.0116	0.0089	0.0644	0.1761	0.2623
55 mph	0.0008	0.0000	0.0003	0.0003	0.0111	0.0085	0.0142	0.0389	0.0742
60 mph	0.0005	0.0000	0.0002	0.0002	0.0062	0.0047	0.8499	2.3184	3.1800
65 mph	0.0001	0.0000	0.0000	0.0001	0.0018	0.0014	-	-	0.0034
70 mph	0.0033	0.0000	0.0012	0.0013	0.0440	0.0331	-	-	0.0829
total	0.0150	0.0001	0.0058	0.0051	0.1580	0.1238	1.6766	4.6221	6.6065

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
15 mph									-	-
25 mph									-	-
35 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0064	0.0037	0.0160	0.0189	0.0449
10 mph	0.0757	0.0066	0.0346	0.0082	0.0169	0.0084	0.0683	0.1604	0.3792
15 mph	0.0401	0.0035	0.0183	0.0059	0.0093	0.0044	0.0322	0.0696	0.1834
20 mph	0.0792	0.0069	0.0361	0.0089	0.0181	0.0087	0.0643	0.1352	0.3574
25 mph	0.2580	0.0226	0.1178	0.0284	0.0703	0.0340	0.2397	0.4968	1.2675
30 mph	0.2282	0.0200	0.1043	0.0254	0.0517	0.0250	0.1957	0.4034	1.0536
35 mph	0.3798	0.0333	0.1736	0.0332	0.0355	0.0175	0.1392	0.2905	1.1027
40 mph	0.0899	0.0079	0.0411	0.0110	0.0261	0.0128	0.1411	0.2887	0.6186
45 mph	0.1253	0.0110	0.0572	0.0162	0.0409	0.0198	0.1133	0.2274	0.6111
50 mph	0.1142	0.0100	0.0521	0.0146	0.0369	0.0178	0.0906	0.1763	0.5126
55 mph	0.1206	0.0106	0.0551	0.0148	0.0355	0.0171	0.0200	0.0390	0.3125
60 mph	0.0708	0.0062	0.0324	0.0086	0.0202	0.0096	1.1903	2.3213	3.6593
65 mph	0.0163	0.0014	0.0075	0.0022	0.0060	0.0028	-	-	0.0363
70 mph	0.3888	0.0343	0.1777	0.0543	0.1436	0.0678	-	-	0.8666
STREX	0.0172	0.0015	0.0080	0.0029	0.0003	0.0001	0.0003	0.0000	0.0304
total	2.0041	0.1761	0.9158	0.2345	0.5177	0.2495	2.3109	4.6276	**11.0362**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0005	0.0006	0.0006	0.0008	0.0002	0.0002	0.0004	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0172	0.0015	0.0080	0.0029	0.0003	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0172	0.0015	0.0080	0.0029	0.0003	0.0001	0.0003	0.0000

World Logistics Center
Mobile Emissions - 2025 Phase 1 (Project) - Unmitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0387	0.0357	0.0337	0.0380
10 mph	0.0055	0.0073	0.0058	0.0059	0.0049	0.0045	0.0043	0.0049
15 mph	0.0037	0.0049	0.0039	0.0039	0.0033	0.0030	0.0029	0.0032
20 mph	0.0026	0.0035	0.0027	0.0028	0.0023	0.0021	0.0020	0.0023
25 mph	0.0019	0.0026	0.0020	0.0020	0.0017	0.0016	0.0015	0.0017
30 mph	0.0015	0.0020	0.0016	0.0016	0.0013	0.0012	0.0012	0.0013
35 mph	0.0012	0.0016	0.0013	0.0013	0.0011	0.0010	0.0009	0.0011
40 mph	0.0011	0.0014	0.0011	0.0011	0.0010	0.0009	0.0008	0.0010
45 mph	0.0010	0.0013	0.0010	0.0010	0.0009	0.0008	0.0007	0.0009
50 mph	0.0009	0.0013	0.0010	0.0010	0.0009	0.0008	0.0007	0.0009
55 mph	0.0009	0.0013	0.0010	0.0010	0.0009	0.0008	0.0007	0.0009
60 mph	0.0010	0.0014	0.0011	0.0011	0.0009	0.0008	0.0008	0.0009
65 mph	0.0012	0.0015	0.0012	0.0011	0.0011	0.0010		
70 mph	0.0013	0.0017	0.0013	0.0013	0.0011	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7944	0.8096	0.0262	0.0141
10 mph	0.0119	0.3054	0.0096	0.0081	0.0291	0.0345	0.0050	0.0133
15 mph	0.0096	0.2213	0.0081	0.0067	0.0219	0.0270	0.0039	0.0098
20 mph	0.0076	0.1693	0.0068	0.0055	0.0180	0.0223	0.0032	0.0068
25 mph	0.0062	0.1355	0.0058	0.0046	0.0149	0.0186	0.0030	0.0073
30 mph	0.0052	0.1138	0.0051	0.0040	0.0131	0.0163	0.0032	0.0078
35 mph	0.0046	0.1002	0.0046	0.0036	0.0119	0.0147	0.0037	0.0092
40 mph	0.0041	0.0918	0.0042	0.0033	0.0111	0.0136	0.0047	0.0115
45 mph	0.0039	0.0876	0.0039	0.0031	0.0105	0.0128	0.0060	0.0147
50 mph	0.0038	0.0879	0.0037	0.0030	0.0102	0.0123	0.0077	0.0187
55 mph	0.0038	0.0922	0.0035	0.0029	0.0100	0.0120	0.0097	0.0244
60 mph	0.0039	0.1007	0.0035	0.0029	0.0103	0.0122	0.0122	0.0300
65 mph	0.0041	0.1163	0.0036	0.0031	0.0116	0.0134		
70 mph	0.0042	0.1391	0.0037	0.0034	0.0181	0.0178		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0481
10 mph								0.0075
15 mph								0.0062
20 mph								0.0052
25 mph								0.0047
30 mph								0.0044
35 mph								0.0042
40 mph								0.0041
45 mph								0.0041
50 mph								0.0041
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0891	0.0089	0.0352	0.0068	0.0039	0.0011	0.0025	0.0000	0.1474
15 mph	0.0132	0.0013	0.0052	0.0010	0.0006	0.0002	0.0005	0.0000	0.0219
20 mph	0.0554	0.0056	0.0220	0.0042	0.0024	0.0007	0.0010	0.0000	0.0913
25 mph	0.1705	0.0175	0.0676	0.0130	0.0075	0.0021	0.0030	0.0000	0.2811
30 mph	0.1277	0.0131	0.0505	0.0097	0.0056	0.0016	0.0019	0.0000	0.2100
35 mph	0.0613	0.0063	0.0242	0.0046	0.0027	0.0007	0.0006	0.0000	0.1004
40 mph	0.0228	0.0023	0.0090	0.0017	0.0010	0.0003	0.0005	0.0000	0.0376
45 mph	0.0139	0.0014	0.0055	0.0011	0.0006	0.0002	0.0005	0.0000	0.0232
50 mph	0.0134	0.0014	0.0053	0.0010	0.0006	0.0002	0.0006	0.0000	0.0225
55 mph	0.0239	0.0024	0.0094	0.0018	0.0011	0.0003	0.0001	0.0000	0.0390
60 mph	0.0165	0.0017	0.0065	0.0012	0.0007	0.0002	0.0003	0.0000	0.0271
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.6076	0.0619	0.2402	0.0462	0.0266	0.0074	0.0114	0.0001	1.0014

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0085	0.0009	0.0034	0.0008	0.0006	0.0002	0.0006	0.0000	0.0150
25 mph	0.0094	0.0010	0.0037	0.0009	0.0007	0.0002	0.0009	0.0000	0.0169
30 mph	0.0123	0.0013	0.0049	0.0012	0.0009	0.0002	0.0018	0.0000	0.0225
35 mph	0.0162	0.0017	0.0064	0.0015	0.0012	0.0003	0.0017	0.0000	0.0290
40 mph	0.0210	0.0022	0.0083	0.0020	0.0016	0.0004	0.0018	0.0000	0.0372
45 mph	0.0417	0.0043	0.0164	0.0039	0.0031	0.0008	0.0011	0.0000	0.0714
50 mph	0.0341	0.0035	0.0134	0.0032	0.0025	0.0007	0.0007	0.0000	0.0581
55 mph	0.0252	0.0026	0.0099	0.0024	0.0019	0.0005	0.0002	0.0000	0.0427
60 mph	0.0135	0.0014	0.0053	0.0013	0.0010	0.0003	0.0171	0.0001	0.0401
65 mph	0.0077	0.0008	0.0030	0.0006	0.0006	0.0002	-	-	0.0128
70 mph	0.1967	0.0198	0.0761	0.0181	0.0144	0.0039	-	-	0.3290
total	0.3863	0.0392	0.1508	0.0360	0.0284	0.0077	0.0260	0.0002	0.6746

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0030	0.0008	0.0012	0.0000	0.0051
15 mph	0.0252	0.0025	0.0100	0.0030	0.0013	0.0004	0.0005	0.0000	0.0429
25 mph	-	-	-	-	0.0020	0.0005	0.0011	0.0000	0.0036
35 mph	0.1292	0.0132	0.0510	0.0064	-	-	-	-	0.1999
total	0.1544	0.0158	0.0610	0.0094	0.0062	0.0017	0.0029	0.0000	0.2514

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0030	0.0008	0.0012	0.0000	0.0051
10 mph	0.0891	0.0089	0.0352	0.0068	0.0039	0.0011	0.0025	0.0000	0.1474
15 mph	0.0384	0.0039	0.0152	0.0040	0.0018	0.0005	0.0010	0.0000	0.0648
20 mph	0.0639	0.0065	0.0253	0.0050	0.0030	0.0008	0.0016	0.0000	0.1063
25 mph	0.1800	0.0184	0.0713	0.0139	0.0101	0.0028	0.0051	0.0000	0.3016
30 mph	0.1400	0.0144	0.0554	0.0109	0.0065	0.0018	0.0036	0.0000	0.2325
35 mph	0.2067	0.0212	0.0815	0.0126	0.0039	0.0011	0.0023	0.0000	0.3293
40 mph	0.0438	0.0045	0.0173	0.0037	0.0026	0.0007	0.0022	0.0000	0.0748
45 mph	0.0556	0.0057	0.0219	0.0050	0.0037	0.0010	0.0017	0.0000	0.0946
50 mph	0.0475	0.0049	0.0187	0.0042	0.0031	0.0009	0.0013	0.0000	0.0805
55 mph	0.0491	0.0050	0.0193	0.0042	0.0029	0.0008	0.0003	0.0000	0.0817
60 mph	0.0300	0.0030	0.0118	0.0025	0.0017	0.0005	0.0174	0.0001	0.0671
65 mph	0.0077	0.0008	0.0030	0.0006	0.0006	0.0002	-	-	0.0128
70 mph	0.1967	0.0198	0.0761	0.0181	0.0144	0.0039	-	-	0.3290
total	1.1483	0.1169	0.4520	0.0916	0.0613	0.0169	0.0402	0.0003	1.9275

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0019	0.0002	0.0004	0.0002	0.0180	0.0150	0.0145	0.0728	0.1230
15 mph	0.0003	0.0000	0.0001	0.0000	0.0030	0.0026	0.0032	0.0153	0.0247
20 mph	0.0017	0.0001	0.0004	0.0002	0.0148	0.0129	0.0079	0.0318	0.0699
25 mph	0.0056	0.0004	0.0015	0.0008	0.0512	0.0450	0.0309	0.1440	0.2794
30 mph	0.0046	0.0003	0.0013	0.0006	0.0430	0.0377	0.0263	0.1221	0.2359
35 mph	0.0023	0.0002	0.0007	0.0003	0.0229	0.0199	0.0124	0.0575	0.1162
40 mph	0.0009	0.0001	0.0003	0.0001	0.0091	0.0079	0.0136	0.0630	0.0949
45 mph	0.0006	0.0000	0.0002	0.0001	0.0057	0.0049	0.0223	0.1039	0.1378
50 mph	0.0006	0.0000	0.0002	0.0001	0.0056	0.0048	0.0351	0.1617	0.2080
55 mph	0.0010	0.0001	0.0003	0.0001	0.0096	0.0081	0.0041	0.0191	0.0424
60 mph	0.0006	0.0001	0.0002	0.0001	0.0064	0.0053	0.0202	0.0941	0.1270
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0201	0.0014	0.0054	0.0027	0.1895	0.1641	0.1905	0.8855	1.4591

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0003	0.0000	0.0001	0.0000	0.0038	0.0033	0.0050	0.0200	0.0325
25 mph	0.0003	0.0000	0.0001	0.0001	0.0047	0.0042	0.0093	0.0435	0.0622
30 mph	0.0004	0.0000	0.0001	0.0001	0.0069	0.0061	0.0248	0.1153	0.1537
35 mph	0.0006	0.0000	0.0002	0.0001	0.0101	0.0088	0.0351	0.1629	0.2178
40 mph	0.0008	0.0001	0.0002	0.0002	0.0141	0.0121	0.0512	0.2378	0.3166
45 mph	0.0017	0.0001	0.0005	0.0003	0.0288	0.0247	0.0469	0.2181	0.3211
50 mph	0.0014	0.0001	0.0004	0.0002	0.0238	0.0202	0.0361	0.1666	0.2488
55 mph	0.0010	0.0001	0.0003	0.0002	0.0170	0.0144	0.0153	0.0723	0.1205
60 mph	0.0005	0.0000	0.0001	0.0001	0.0087	0.0073	1.3375	6.2217	7.5760
65 mph	0.0003	0.0000	0.0001	0.0000	0.0049	0.0040	-	-	0.0093
70 mph	0.0065	0.0007	0.0017	0.0012	0.1805	0.1250	-	-	0.3157
total	0.0139	0.0012	0.0037	0.0025	0.3035	0.2301	1.5612	7.2582	9.3743

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0484	0.0347	0.0049	0.0050	0.0930
15 mph	0.0007	0.0000	0.0002	0.0001	0.0067	0.0058	0.0035	0.0165	0.0335
25 mph	-	-	-	-	0.0134	0.0118	0.0116	0.0541	0.0910
35 mph	0.0049	0.0003	0.0014	0.0005	-	-	-	-	0.0071
total	0.0055	0.0004	0.0016	0.0006	0.0685	0.0523	0.0200	0.0756	0.2246

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0484	0.0347	0.0049	0.0050	0.0930
10 mph	0.0019	0.0002	0.0004	0.0002	0.0180	0.0150	0.0145	0.0728	0.1230
15 mph	0.0010	0.0001	0.0002	0.0002	0.0097	0.0084	0.0067	0.0319	0.0581
20 mph	0.0019	0.0001	0.0005	0.0003	0.0186	0.0163	0.0129	0.0518	0.1024
25 mph	0.0059	0.0004	0.0016	0.0008	0.0694	0.0609	0.0519	0.2416	0.4326
30 mph	0.0050	0.0003	0.0014	0.0007	0.0500	0.0438	0.0511	0.2374	0.3896
35 mph	0.0078	0.0005	0.0022	0.0009	0.0330	0.0287	0.0475	0.2204	0.3411
40 mph	0.0017	0.0001	0.0005	0.0003	0.0232	0.0200	0.0648	0.3008	0.4115
45 mph	0.0023	0.0002	0.0006	0.0004	0.0346	0.0297	0.0692	0.3220	0.4589
50 mph	0.0020	0.0001	0.0005	0.0003	0.0294	0.0250	0.0712	0.3283	0.4568
55 mph	0.0020	0.0001	0.0005	0.0003	0.0267	0.0225	0.0194	0.0914	0.1629
60 mph	0.0012	0.0001	0.0003	0.0002	0.0151	0.0126	1.3577	6.3159	7.7030
65 mph	0.0003	0.0000	0.0001	0.0000	0.0049	0.0040	-	-	0.0093
70 mph	0.0065	0.0007	0.0017	0.0012	0.1805	0.1250	-	-	0.3157
total	0.0395	0.0029	0.0106	0.0058	0.5616	0.4465	1.7717	8.2193	11.0579

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0023	0.0023
15 mph								0.0005	0.0005
20 mph								0.0014	0.0014
25 mph								0.0051	0.0051
30 mph								0.0038	0.0038
35 mph								0.0015	0.0015
40 mph								0.0012	0.0012
45 mph								0.0016	0.0016
50 mph								0.0020	0.0020
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0194	0.0194

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0009	0.0009
25 mph								0.0016	0.0016
30 mph								0.0036	0.0036
35 mph								0.0041	0.0041
40 mph								0.0047	0.0047
45 mph								0.0033	0.0033
50 mph								0.0020	0.0020
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0101	0.0101

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
15 mph								0.0006	0.0006
25 mph								0.0019	0.0019
35 mph								-	-
total	-	-	-	-	-	-	-	0.0035	0.0035

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
10 mph								0.0023	0.0023
15 mph								0.0011	0.0011
20 mph								0.0022	0.0022
25 mph								0.0086	0.0086
30 mph								0.0074	0.0074
35 mph								0.0056	0.0056
40 mph								0.0059	0.0059
45 mph								0.0049	0.0049
50 mph								0.0040	0.0040
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0431	0.0431

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0514	0.0356	0.0062	0.0060	0.0991
10 mph	0.0911	0.0091	0.0356	0.0070	0.0219	0.0161	0.0169	0.0751	0.2727
15 mph	0.0394	0.0039	0.0154	0.0042	0.0115	0.0090	0.0076	0.0330	0.1240
20 mph	0.0658	0.0066	0.0258	0.0053	0.0217	0.0171	0.0145	0.0540	0.2109
25 mph	0.1859	0.0188	0.0729	0.0147	0.0795	0.0637	0.0569	0.2503	0.7428
30 mph	0.1450	0.0147	0.0568	0.0116	0.0565	0.0456	0.0547	0.2448	0.6295
35 mph	0.2145	0.0217	0.0838	0.0135	0.0369	0.0297	0.0498	0.2260	0.6759
40 mph	0.0456	0.0046	0.0178	0.0040	0.0258	0.0207	0.0670	0.3067	0.4922
45 mph	0.0579	0.0059	0.0226	0.0054	0.0383	0.0307	0.0709	0.3270	0.5585
50 mph	0.0494	0.0050	0.0192	0.0046	0.0325	0.0258	0.0725	0.3323	0.5414
55 mph	0.0511	0.0051	0.0199	0.0045	0.0296	0.0233	0.0196	0.0914	0.2445
60 mph	0.0312	0.0031	0.0121	0.0027	0.0168	0.0131	1.3751	6.3160	7.7701
65 mph	0.0079	0.0008	0.0031	0.0007	0.0055	0.0041	-	-	0.0221
70 mph	0.2032	0.0205	0.0778	0.0193	0.1950	0.1289	-	-	0.6447
STREX	0.0585	0.0057	0.0223	0.0066	0.0007	0.0002	0.0003	0.0000	0.0944
total	1.2464	0.1255	0.4850	0.1040	0.6236	0.4635	1.8122	8.2627	**13.1229**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0017	0.0022	0.0017	0.0018	0.0004	0.0003	0.0004	0.0006
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0585	0.0057	0.0223	0.0066	0.0007	0.0002	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0585	0.0057	0.0223	0.0066	0.0007	0.0002	0.0003	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	16.0914	1.2174	6.0243	1.1403	1.4669	0.5147	1.1551	0.0047
Diesel	0.1624	0.0005	0.0464	0.0292	1.2141	0.9770	5.9185	7.5464
Electric/NG	0.4854	0.0172	0.1100	0.0193	-	-	-	0.4260
Total	16.7392	1.2350	6.1807	1.1889	2.6810	1.4917	7.0736	7.9772

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	14.8574	1.1240	5.5623	1.3150	2.2645	0.7945	4.3620	0.0179
Diesel	0.1499	0.0005	0.0428	0.0337	1.8742	1.5082	22.3497	28.4972
Electric/NG	0.4482	0.0159	0.1016	0.0222	-	-	-	1.6087
Total	15.4555	1.1403	5.7067	1.3710	4.1387	2.3027	26.7117	30.1238

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5.0596	0.3828	1.8942	0.2535	0.1289	0.0452	0.1334	0.0005
Diesel	0.0511	0.0002	0.0146	0.0065	0.1067	0.0859	0.6835	0.8715
Electric/NG	0.1526	0.0054	0.0346	0.0043	-	-	-	0.0492
Total	5.2633	0.3883	1.9434	0.2642	0.2356	0.1311	0.8169	0.9213

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	36.0084	2.7242	13.4809	2.7089	3.8603	1.3544	5.6505	0.0232	65.8108
Diesel	0.3633	0.0011	0.1037	0.0695	3.1949	2.5711	28.9517	36.9152	72.1705
Electric/NG	1.0863	0.0384	0.2462	0.0458	-	-	-	2.0840	3.5006
Total	37.4580	2.7637	13.8308	2.8241	7.0553	3.9255	34.6022	39.0223	**141.4819**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	137.8992
Internal	155.4896
Total	**293.3888**

World Logistics Center
Mobile Emissions - 2025 Phase 1 (Project) - Unmitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0356	0.0329	0.0309	0.0349
10 mph	0.0051	0.0067	0.0053	0.0054	0.0045	0.0042	0.0040	0.0045
15 mph	0.0034	0.0045	0.0036	0.0036	0.0030	0.0028	0.0026	0.0030
20 mph	0.0024	0.0032	0.0025	0.0025	0.0021	0.0020	0.0019	0.0021
25 mph	0.0017	0.0024	0.0018	0.0019	0.0016	0.0014	0.0014	0.0016
30 mph	0.0014	0.0018	0.0014	0.0015	0.0012	0.0011	0.0011	0.0012
35 mph	0.0011	0.0015	0.0012	0.0012	0.0010	0.0009	0.0009	0.0010
40 mph	0.0010	0.0013	0.0010	0.0010	0.0009	0.0008	0.0008	0.0009
45 mph	0.0009	0.0012	0.0009	0.0010	0.0008	0.0007	0.0007	0.0008
50 mph	0.0009	0.0012	0.0009	0.0009	0.0008	0.0007	0.0007	0.0008
55 mph	0.0009	0.0012	0.0009	0.0009	0.0008	0.0007	0.0007	0.0008
60 mph	0.0009	0.0013	0.0010	0.0010	0.0009	0.0008	0.0007	0.0009
65 mph	0.0011	0.0014	0.0011	0.0011	0.0010	0.0009		
70 mph	0.0012	0.0015	0.0012	0.0012	0.0011	0.0009		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7600	0.7746	0.0251	0.0135
10 mph	0.0113	0.2922	0.0092	0.0078	0.0279	0.0330	0.0048	0.0127
15 mph	0.0092	0.2117	0.0078	0.0064	0.0209	0.0259	0.0037	0.0094
20 mph	0.0073	0.1619	0.0065	0.0052	0.0172	0.0214	0.0030	0.0065
25 mph	0.0059	0.1296	0.0055	0.0044	0.0143	0.0178	0.0028	0.0070
30 mph	0.0050	0.1088	0.0049	0.0039	0.0125	0.0156	0.0030	0.0074
35 mph	0.0044	0.0959	0.0044	0.0035	0.0114	0.0141	0.0036	0.0088
40 mph	0.0040	0.0879	0.0040	0.0032	0.0106	0.0130	0.0045	0.0110
45 mph	0.0038	0.0838	0.0037	0.0030	0.0100	0.0122	0.0057	0.0141
50 mph	0.0036	0.0841	0.0035	0.0029	0.0098	0.0118	0.0073	0.0179
55 mph	0.0036	0.0882	0.0034	0.0028	0.0096	0.0115	0.0093	0.0233
60 mph	0.0037	0.0963	0.0033	0.0028	0.0098	0.0117	0.0116	0.0287
65 mph	0.0039	0.1112	0.0034	0.0029	0.0111	0.0128		
70 mph	0.0040	0.1331	0.0036	0.0033	0.0173	0.0171		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0460
10 mph								0.0072
15 mph								0.0059
20 mph								0.0050
25 mph								0.0045
30 mph								0.0042
35 mph								0.0040
40 mph								0.0039
45 mph								0.0039
50 mph								0.0040
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0820	0.0082	0.0323	0.0062	0.0035	0.0010	0.0023	0.0000	0.1355
15 mph	0.0121	0.0012	0.0048	0.0009	0.0005	0.0001	0.0004	0.0000	0.0201
20 mph	0.0509	0.0052	0.0202	0.0039	0.0022	0.0006	0.0009	0.0000	0.0839
25 mph	0.1568	0.0160	0.0621	0.0120	0.0069	0.0019	0.0028	0.0000	0.2585
30 mph	0.1174	0.0120	0.0464	0.0089	0.0051	0.0014	0.0017	0.0000	0.1931
35 mph	0.0563	0.0058	0.0222	0.0043	0.0025	0.0007	0.0006	0.0000	0.0923
40 mph	0.0209	0.0021	0.0083	0.0016	0.0009	0.0003	0.0004	0.0000	0.0346
45 mph	0.0128	0.0013	0.0050	0.0010	0.0006	0.0002	0.0005	0.0000	0.0213
50 mph	0.0123	0.0013	0.0049	0.0009	0.0005	0.0001	0.0006	0.0000	0.0207
55 mph	0.0220	0.0022	0.0086	0.0017	0.0010	0.0003	0.0001	0.0000	0.0358
60 mph	0.0152	0.0015	0.0060	0.0011	0.0007	0.0002	0.0002	0.0000	0.0249
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.5587	0.0570	0.2209	0.0425	0.0245	0.0068	0.0105	0.0001	0.9208

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0078	0.0008	0.0031	0.0007	0.0006	0.0002	0.0006	0.0000	0.0138
25 mph	0.0087	0.0009	0.0034	0.0008	0.0006	0.0002	0.0008	0.0000	0.0155
30 mph	0.0113	0.0012	0.0045	0.0011	0.0008	0.0002	0.0016	0.0000	0.0207
35 mph	0.0149	0.0015	0.0059	0.0014	0.0011	0.0003	0.0016	0.0000	0.0267
40 mph	0.0193	0.0020	0.0076	0.0018	0.0014	0.0004	0.0016	0.0000	0.0342
45 mph	0.0383	0.0039	0.0151	0.0036	0.0028	0.0008	0.0011	0.0000	0.0657
50 mph	0.0313	0.0032	0.0123	0.0030	0.0023	0.0006	0.0006	0.0000	0.0534
55 mph	0.0232	0.0024	0.0091	0.0022	0.0017	0.0005	0.0002	0.0000	0.0393
60 mph	0.0124	0.0013	0.0049	0.0012	0.0009	0.0003	0.0158	0.0001	0.0368
65 mph	0.0070	0.0007	0.0028	0.0007	0.0005	0.0001	-	-	0.0118
70 mph	0.1808	0.0182	0.0700	0.0167	0.0132	0.0036	-	-	0.3025
total	0.3552	0.0360	0.1387	0.0332	0.0261	0.0071	0.0239	0.0002	0.6204

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0027	0.0008	0.0011	0.0000	0.0047
15 mph	0.0232	0.0023	0.0092	0.0028	0.0012	0.0003	0.0005	0.0000	0.0394
25 mph	-	-	-	-	0.0018	0.0005	0.0010	0.0000	0.0034
35 mph	0.1188	0.0122	0.0469	0.0059	-	-	-	-	0.1838
total	0.1420	0.0145	0.0561	0.0086	0.0057	0.0016	0.0026	0.0000	0.2312

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0027	0.0008	0.0011	0.0000	0.0047
10 mph	0.0820	0.0082	0.0323	0.0062	0.0035	0.0010	0.0023	0.0000	0.1355
15 mph	0.0353	0.0036	0.0140	0.0037	0.0017	0.0005	0.0009	0.0000	0.0595
20 mph	0.0587	0.0060	0.0233	0.0046	0.0028	0.0008	0.0015	0.0000	0.0977
25 mph	0.1655	0.0169	0.0656	0.0128	0.0093	0.0026	0.0046	0.0000	0.2773
30 mph	0.1287	0.0132	0.0509	0.0100	0.0060	0.0017	0.0033	0.0000	0.2138
35 mph	0.1900	0.0195	0.0750	0.0115	0.0036	0.0010	0.0022	0.0000	0.3028
40 mph	0.0403	0.0041	0.0159	0.0034	0.0023	0.0006	0.0020	0.0000	0.0688
45 mph	0.0511	0.0052	0.0202	0.0046	0.0034	0.0009	0.0016	0.0000	0.0870
50 mph	0.0436	0.0045	0.0172	0.0039	0.0029	0.0008	0.0012	0.0000	0.0741
55 mph	0.0451	0.0046	0.0178	0.0039	0.0027	0.0007	0.0003	0.0000	0.0751
60 mph	0.0276	0.0028	0.0108	0.0023	0.0016	0.0004	0.0160	0.0001	0.0617
65 mph	0.0070	0.0007	0.0028	0.0007	0.0005	0.0001	-	-	0.0118
70 mph	0.1808	0.0182	0.0700	0.0167	0.0132	0.0036	-	-	0.3025
total	1.0558	0.1075	0.4156	0.0843	0.0563	0.0155	0.0370	0.0003	1.7723

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0019	0.0001	0.0004	0.0002	0.0172	0.0144	0.0138	0.0697	0.1177
15 mph	0.0003	0.0000	0.0001	0.0000	0.0029	0.0025	0.0031	0.0147	0.0236
20 mph	0.0016	0.0001	0.0004	0.0002	0.0142	0.0124	0.0076	0.0304	0.0669
25 mph	0.0054	0.0004	0.0014	0.0007	0.0490	0.0430	0.0296	0.1378	0.2673
30 mph	0.0044	0.0003	0.0012	0.0006	0.0412	0.0361	0.0251	0.1168	0.2257
35 mph	0.0022	0.0001	0.0006	0.0003	0.0219	0.0190	0.0118	0.0550	0.1112
40 mph	0.0009	0.0001	0.0002	0.0001	0.0087	0.0075	0.0130	0.0603	0.0908
45 mph	0.0005	0.0000	0.0002	0.0001	0.0055	0.0047	0.0214	0.0994	0.1319
50 mph	0.0005	0.0000	0.0001	0.0001	0.0054	0.0046	0.0336	0.1547	0.1990
55 mph	0.0009	0.0001	0.0002	0.0001	0.0092	0.0078	0.0039	0.0183	0.0406
60 mph	0.0006	0.0000	0.0002	0.0001	0.0061	0.0051	0.0194	0.0901	0.1215
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0192	0.0013	0.0051	0.0026	0.1813	0.1570	0.1822	0.8472	1.3960

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0002	0.0000	0.0001	0.0000	0.0036	0.0032	0.0048	0.0191	0.0311
25 mph	0.0003	0.0000	0.0001	0.0000	0.0045	0.0040	0.0089	0.0416	0.0595
30 mph	0.0004	0.0000	0.0001	0.0001	0.0066	0.0058	0.0237	0.1103	0.1471
35 mph	0.0006	0.0000	0.0002	0.0001	0.0097	0.0084	0.0336	0.1559	0.2084
40 mph	0.0008	0.0001	0.0002	0.0001	0.0135	0.0116	0.0490	0.2275	0.3029
45 mph	0.0016	0.0001	0.0005	0.0003	0.0276	0.0237	0.0448	0.2086	0.3072
50 mph	0.0013	0.0001	0.0004	0.0002	0.0228	0.0193	0.0346	0.1594	0.2381
55 mph	0.0010	0.0001	0.0003	0.0002	0.0163	0.0137	0.0146	0.0692	0.1153
60 mph	0.0005	0.0000	0.0001	0.0001	0.0083	0.0070	1.2796	5.9526	7.2482
65 mph	0.0003	0.0000	0.0001	0.0000	0.0047	0.0038	-	-	0.0089
70 mph	0.0063	0.0006	0.0016	0.0012	0.1727	0.1196	-	-	0.3020
total	0.0133	0.0011	0.0035	0.0024	0.2904	0.2201	1.4937	6.9442	8.9687

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0463	0.0332	0.0047	0.0048	0.0890
15 mph	0.0006	0.0000	0.0002	0.0001	0.0064	0.0056	0.0033	0.0158	0.0320
25 mph	-	-	-	-	0.0129	0.0113	0.0111	0.0518	0.0870
35 mph	0.0047	0.0003	0.0013	0.0004	-	-	-	-	0.0068
total	0.0053	0.0004	0.0015	0.0006	0.0656	0.0501	0.0191	0.0724	0.2149

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0463	0.0332	0.0047	0.0048	0.0890
10 mph	0.0019	0.0001	0.0004	0.0002	0.0172	0.0144	0.0138	0.0697	0.1177
15 mph	0.0010	0.0001	0.0002	0.0002	0.0093	0.0081	0.0064	0.0305	0.0556
20 mph	0.0018	0.0001	0.0005	0.0002	0.0178	0.0156	0.0124	0.0495	0.0980
25 mph	0.0057	0.0004	0.0015	0.0008	0.0664	0.0583	0.0496	0.2312	0.4139
30 mph	0.0048	0.0003	0.0013	0.0007	0.0478	0.0419	0.0489	0.2271	0.3727
35 mph	0.0075	0.0005	0.0021	0.0009	0.0316	0.0274	0.0454	0.2109	0.3263
40 mph	0.0017	0.0001	0.0005	0.0003	0.0222	0.0192	0.0620	0.2878	0.3937
45 mph	0.0022	0.0001	0.0006	0.0004	0.0331	0.0284	0.0662	0.3081	0.4391
50 mph	0.0019	0.0001	0.0005	0.0003	0.0281	0.0239	0.0681	0.3141	0.4371
55 mph	0.0019	0.0001	0.0005	0.0003	0.0255	0.0215	0.0185	0.0875	0.1558
60 mph	0.0011	0.0001	0.0003	0.0002	0.0144	0.0120	1.2990	6.0427	7.3697
65 mph	0.0003	0.0000	0.0001	0.0000	0.0047	0.0038	-	-	0.0089
70 mph	0.0063	0.0006	0.0016	0.0012	0.1727	0.1196	-	-	0.3020
total	0.0378	0.0028	0.0102	0.0056	0.5373	0.4272	1.6950	7.8637	10.5796

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0022	0.0022
15 mph								0.0005	0.0005
20 mph								0.0013	0.0013
25 mph								0.0049	0.0049
30 mph								0.0037	0.0037
35 mph								0.0014	0.0014
40 mph								0.0012	0.0012
45 mph								0.0015	0.0015
50 mph								0.0019	0.0019
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0186	0.0186

/Natural Gas (HHDT Only)Freeway Emissions Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0008	0.0008
25 mph								0.0015	0.0015
30 mph								0.0035	0.0035
35 mph								0.0039	0.0039
40 mph								0.0045	0.0045
45 mph								0.0032	0.0032
50 mph								0.0020	0.0020
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0097	0.0097

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
15 mph								0.0006	0.0006
25 mph								0.0018	0.0018
35 mph								-	-
total	-	-	-	-	-	-	-	0.0033	0.0033

Total Emissions Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
10 mph								0.0022	0.0022
15 mph								0.0011	0.0011
20 mph								0.0021	0.0021
25 mph								0.0083	0.0083
30 mph								0.0071	0.0071
35 mph								0.0053	0.0053
40 mph								0.0057	0.0057
45 mph								0.0047	0.0047
50 mph								0.0039	0.0039
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0412	0.0412

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0491	0.0340	0.0058	0.0057	0.0946
10 mph	0.0838	0.0083	0.0328	0.0064	0.0208	0.0154	0.0161	0.0719	0.2554
15 mph	0.0362	0.0036	0.0142	0.0038	0.0110	0.0085	0.0073	0.0316	0.1162
20 mph	0.0606	0.0061	0.0238	0.0049	0.0206	0.0163	0.0138	0.0517	0.1978
25 mph	0.1712	0.0173	0.0671	0.0136	0.0757	0.0609	0.0543	0.2395	0.6995
30 mph	0.1335	0.0135	0.0522	0.0107	0.0538	0.0435	0.0522	0.2342	0.5936
35 mph	0.1975	0.0200	0.0771	0.0124	0.0352	0.0284	0.0476	0.2163	0.6344
40 mph	0.0420	0.0042	0.0164	0.0037	0.0246	0.0198	0.0640	0.2935	0.4681
45 mph	0.0533	0.0054	0.0208	0.0050	0.0365	0.0293	0.0678	0.3128	0.5308
50 mph	0.0455	0.0046	0.0177	0.0042	0.0310	0.0247	0.0694	0.3180	0.5150
55 mph	0.0470	0.0047	0.0183	0.0041	0.0282	0.0223	0.0188	0.0875	0.2309
60 mph	0.0287	0.0029	0.0111	0.0025	0.0160	0.0125	1.3150	6.0428	7.4314
65 mph	0.0073	0.0007	0.0028	0.0007	0.0052	0.0040	-	-	0.0207
70 mph	0.1871	0.0189	0.0716	0.0178	0.1860	0.1232	-	-	0.6045
STREX	0.0538	0.0052	0.0205	0.0061	0.0007	0.0002	0.0003	0.0000	0.0868
total	1.1475	0.1155	0.4463	0.0959	0.5943	0.4428	1.7323	7.9053	**12.4799**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0016	0.0020	0.0016	0.0016	0.0004	0.0003	0.0004	0.0006
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0538	0.0052	0.0205	0.0061	0.0007	0.0002	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0538	0.0052	0.0205	0.0061	0.0007	0.0002	0.0003	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	6.3826	0.4829	2.3895	0.4523	0.6039	0.2130	0.4777	0.0018
Diesel	0.0644	0.0002	0.0184	0.0116	0.4909	0.3980	2.4474	2.7378
Electric/NG	0.1925	0.0068	0.0436	0.0076	-	-	-	0.1546
Total	6.6396	0.4899	2.4516	0.4716	1.0948	0.6110	2.9251	2.8942

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5.8932	0.4458	2.2063	0.5216	0.9322	0.3288	1.8038	0.0069
Diesel	0.0595	0.0002	0.0170	0.0134	0.7578	0.6144	9.2420	10.3388
Electric/NG	0.1778	0.0063	0.0403	0.0088	-	-	-	0.5836
Total	6.1304	0.4523	2.2636	0.5438	1.6900	0.9433	11.0457	10.9293

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.0069	0.1518	0.7513	0.1005	0.0531	0.0187	0.0552	0.0002
Diesel	0.0203	0.0001	0.0058	0.0026	0.0431	0.0350	0.2826	0.3162
Electric/NG	0.0605	0.0021	0.0137	0.0017	-	-	-	0.0178
Total	2.0877	0.1540	0.7708	0.1048	0.0962	0.0537	0.3378	0.3343

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	14.2827	1.0805	5.3472	1.0745	1.5891	0.5605	2.3366	0.0089	26.2800
Diesel	0.1441	0.0004	0.0411	0.0276	1.2918	1.0474	11.9720	13.3928	27.9173
Electric/NG	0.4309	0.0152	0.0977	0.0181	-	-	-	0.7561	1.3180
Total	14.8576	1.0962	5.4860	1.1202	2.8810	1.6080	14.3086	14.1578	**55.5153**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	33.8480
Internal	38.1656
Total	**72.0136**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0378	0.0262	0.0045	0.0044	0.0728
10 mph	0.0536	0.0053	0.0210	0.0041	0.0160	0.0118	0.0124	0.0553	0.1796
15 mph	0.0232	0.0023	0.0091	0.0025	0.0084	0.0066	0.0056	0.0243	0.0820
20 mph	0.0388	0.0039	0.0152	0.0031	0.0159	0.0126	0.0107	0.0398	0.1399
25 mph	0.1096	0.0111	0.0429	0.0087	0.0583	0.0469	0.0418	0.1844	0.5036
30 mph	0.0854	0.0086	0.0334	0.0068	0.0414	0.0335	0.0402	0.1804	0.4298
35 mph	0.1264	0.0128	0.0494	0.0079	0.0271	0.0219	0.0366	0.1665	0.4486
40 mph	0.0268	0.0027	0.0105	0.0024	0.0189	0.0152	0.0493	0.2260	0.3518
45 mph	0.0341	0.0034	0.0133	0.0032	0.0281	0.0226	0.0522	0.2409	0.3977
50 mph	0.0291	0.0029	0.0113	0.0027	0.0239	0.0190	0.0534	0.2448	0.3872
55 mph	0.0301	0.0030	0.0117	0.0027	0.0217	0.0171	0.0145	0.0674	0.1682
60 mph	0.0184	0.0018	0.0071	0.0016	0.0123	0.0096	1.0125	4.6529	5.7163
65 mph	0.0047	0.0005	0.0018	0.0005	0.0040	0.0030	-	-	0.0145
70 mph	0.1197	0.0121	0.0458	0.0114	0.1432	0.0949	-	-	0.4271
total	0.6999	0.0706	0.2725	0.0575	0.4571	0.3409	1.3336	6.0871	9.3192

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2025 Phase 1 (Project) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Length (m)	Length (mi)	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L			2,726	2.40	0.32	0.0005	1.3	0.0019	5.2
2	L			3,260	2.40	0.32	0.0005	1.5	0.0019	6.2
3	L			3,203	2.40	0.32	0.0005	1.5	0.0019	6.1
5	L			2,810	2.40	0.32	0.0005	1.3	0.0019	5.4
6	L			10,343	2.40	0.32	0.0005	4.8	0.0019	19.7
8	L			2,383	2.40	0.32	0.0005	1.1	0.0019	4.5
11	L			5,534	2.40	0.32	0.0005	2.6	0.0019	10.5
12	L			6,309	2.40	0.32	0.0005	3.0	0.0019	12.0
14	L			2,918	2.40	0.32	0.0005	1.4	0.0019	5.6
18	L			928	2.40	0.32	0.0005	0.4	0.0019	1.8
19	L			2,023	2.40	0.32	0.0005	0.9	0.0019	3.9
21	L			1,170	2.40	0.32	0.0005	0.5	0.0019	2.2
24	L			2,428	2.40	0.32	0.0005	1.1	0.0019	4.6
30	L			25,286	2.40	0.32	0.0005	11.8	0.0019	48.2
29	L			1,932	2.40	0.32	0.0005	0.9	0.0019	3.7
31	L			8,362	2.40	0.32	0.0005	3.9	0.0019	15.9
TOTAL								38.2		155.5

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2025 Phase 1 (Project) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	337,849	2.40	0.032	0.0001	19.44	0.0002	79.19
Freeway	F	499,178	2.40	0.015	0.0000	14.41	0.0001	58.71
TOTAL		837,027				33.85		137.90

World Logistics Center
Mobile Emissions - 2025 Phase 1 (Project) - Unmitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0057	0.0100	0.0081	0.0096	0.0132	0.0149	0.0233	0.2032
15 mph	0.0050	0.0087	0.0070	0.0084	0.0116	0.0131	0.0207	0.1796
20 mph	0.0045	0.0077	0.0063	0.0075	0.0107	0.0118	0.0187	0.1627
25 mph	0.0041	0.0070	0.0057	0.0068	0.0098	0.0108	0.0169	0.1492
30 mph	0.0038	0.0064	0.0053	0.0063	0.0092	0.0101	0.0155	0.1394
35 mph	0.0036	0.0061	0.0050	0.0059	0.0088	0.0095	0.0145	0.1324
40 mph	0.0034	0.0058	0.0047	0.0057	0.0085	0.0091	0.0139	0.1272
45 mph	0.0033	0.0056	0.0046	0.0055	0.0084	0.0089	0.0134	0.1240
50 mph	0.0033	0.0056	0.0046	0.0055	0.0084	0.0088	0.0133	0.1230
55 mph	0.0033	0.0058	0.0046	0.0056	0.0085	0.0089	0.0135	0.1248
60 mph	0.0034	0.0061	0.0049	0.0059	0.0089	0.0093	0.0139	0.1289
65 mph	0.0036	0.0066	0.0051	0.0062	0.0093	0.0097	0.0147	0.1346
70 mph	0.0038	0.0074	0.0053	0.0067	0.0104	0.0100	0.0146	0.1442

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0613	0.1353	0.0828	0.1031	0.1491	0.1668	0.2926	0.4856
15 mph	0.0504	0.1126	0.0687	0.0873	0.0969	0.1106	0.2303	0.3551
20 mph	0.0414	0.0924	0.0564	0.0725	0.0827	0.0944	0.1967	0.2930
25 mph	0.0347	0.0772	0.0473	0.0615	0.0734	0.0842	0.1717	0.2509
30 mph	0.0301	0.0665	0.0409	0.0532	0.0667	0.0760	0.1507	0.2198
35 mph	0.0272	0.0596	0.0369	0.0484	0.0669	0.0762	0.1347	0.2008
40 mph	0.0255	0.0555	0.0344	0.0453	0.0652	0.0735	0.1234	0.1830
45 mph	0.0246	0.0536	0.0332	0.0436	0.0636	0.0707	0.1169	0.1727
50 mph	0.0247	0.0536	0.0333	0.0439	0.0667	0.0734	0.1154	0.1673
55 mph	0.0258	0.0560	0.0348	0.0463	0.0697	0.0759	0.1187	0.1729
60 mph	0.0280	0.0607	0.0377	0.0501	0.0703	0.0761	0.1267	0.1832
65 mph	0.0315	0.0677	0.0423	0.0565	0.0715	0.0766	0.1396	0.1987
70 mph	0.0344	0.0706	0.0451	0.0619	0.0735	0.0786	0.1408	0.2011

*US EPA Emission Factors for Greenhouse Gas Inventories. (idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.9491
15 mph								0.7965
20 mph								0.6951
25 mph								0.6401
30 mph								0.6049
35 mph								0.5770
40 mph								0.5542
45 mph								0.5351
50 mph								0.5187
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0918	0.0123	0.0488	0.0110	0.0103	0.0035	0.0132	0.0008	0.1918
15 mph	0.0179	0.0024	0.0095	0.0021	0.0020	0.0007	0.0034	0.0002	0.0382
20 mph	0.0966	0.0126	0.0509	0.0114	0.0111	0.0038	0.0091	0.0006	0.1961
25 mph	0.3666	0.0474	0.1921	0.0433	0.0426	0.0143	0.0344	0.0022	0.7428
30 mph	0.3265	0.0420	0.1705	0.0385	0.0385	0.0128	0.0252	0.0016	0.6556
35 mph	0.1796	0.0231	0.0935	0.0212	0.0215	0.0071	0.0094	0.0006	0.3560
40 mph	0.0735	0.0095	0.0383	0.0087	0.0089	0.0029	0.0079	0.0005	0.1501
45 mph	0.0474	0.0061	0.0247	0.0056	0.0058	0.0019	0.0098	0.0006	0.1021
50 mph	0.0469	0.0061	0.0245	0.0056	0.0058	0.0019	0.0118	0.0008	0.1034
55 mph	0.0831	0.0111	0.0437	0.0100	0.0104	0.0033	0.0011	0.0001	0.1627
60 mph	0.0555	0.0075	0.0294	0.0067	0.0069	0.0022	0.0045	0.0003	0.1131
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	1.3853	0.1800	0.7259	0.1642	0.1639	0.0543	0.1299	0.0083	2.8118

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0149	0.0019	0.0078	0.0022	0.0029	0.0010	0.0057	0.0004	0.0367
25 mph	0.0203	0.0026	0.0106	0.0030	0.0039	0.0013	0.0104	0.0007	0.0529
30 mph	0.0314	0.0040	0.0164	0.0046	0.0062	0.0021	0.0238	0.0015	0.0901
35 mph	0.0474	0.0061	0.0247	0.0070	0.0095	0.0031	0.0267	0.0017	0.1262
40 mph	0.0678	0.0087	0.0353	0.0100	0.0138	0.0045	0.0298	0.0020	0.1720
45 mph	0.1423	0.0184	0.0742	0.0211	0.0292	0.0094	0.0205	0.0014	0.3166
50 mph	0.1190	0.0156	0.0622	0.0177	0.0247	0.0079	0.0122	0.0008	0.2601
55 mph	0.0877	0.0117	0.0461	0.0131	0.0183	0.0058	0.0041	0.0003	0.1872
60 mph	0.0456	0.0062	0.0241	0.0069	0.0095	0.0030	0.2991	0.0198	0.4142
65 mph	0.0239	0.0033	0.0127	0.0036	0.0050	0.0016	-	-	0.0501
70 mph	0.5877	0.0876	0.3119	0.0921	0.1315	0.0383	-	-	1.2492
total	1.1879	0.1662	0.6263	0.1814	0.2544	0.0780	0.4325	0.0284	2.9552

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0010	0.0003	0.0005	0.0000	0.0018
15 mph	0.0343	0.0045	0.0182	0.0064	0.0045	0.0015	0.0036	0.0002	0.0733
25 mph	-	-	-	-	0.0112	0.0038	0.0129	0.0008	0.0287
35 mph	0.3787	0.0487	0.1972	0.0291	-	-	-	-	0.6539
total	0.4131	0.0533	0.2154	0.0355	0.0167	0.0056	0.0170	0.0010	0.7576

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0010	0.0003	0.0005	0.0000	0.0018
10 mph	0.0918	0.0123	0.0488	0.0110	0.0103	0.0035	0.0132	0.0008	0.1918
15 mph	0.0523	0.0069	0.0276	0.0085	0.0065	0.0022	0.0070	0.0004	0.1114
20 mph	0.1115	0.0145	0.0587	0.0136	0.0140	0.0047	0.0148	0.0009	0.2328
25 mph	0.3869	0.0500	0.2027	0.0463	0.0577	0.0194	0.0577	0.0036	0.8243
30 mph	0.3579	0.0460	0.1869	0.0432	0.0447	0.0149	0.0490	0.0031	0.7457
35 mph	0.6057	0.0779	0.3154	0.0573	0.0310	0.0102	0.0361	0.0024	1.1361
40 mph	0.1413	0.0182	0.0736	0.0187	0.0227	0.0074	0.0377	0.0025	0.3221
45 mph	0.1897	0.0246	0.0990	0.0267	0.0350	0.0113	0.0303	0.0020	0.4186
50 mph	0.1659	0.0218	0.0867	0.0233	0.0305	0.0098	0.0240	0.0016	0.3635
55 mph	0.1707	0.0227	0.0899	0.0231	0.0287	0.0091	0.0052	0.0003	0.3499
60 mph	0.1011	0.0137	0.0536	0.0136	0.0164	0.0052	0.3037	0.0201	0.5273
65 mph	0.0239	0.0033	0.0127	0.0036	0.0050	0.0016	-	-	0.0501
70 mph	0.5877	0.0876	0.3119	0.0921	0.1315	0.0383	-	-	1.2492
total	2.9863	0.3995	1.5675	0.3812	0.4351	0.1380	0.5794	0.0378	6.5247

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0100	0.0001	0.0039	0.0030	0.0921	0.0725	0.8517	2.6666	3.6998
15 mph	0.0018	0.0000	0.0007	0.0006	0.0133	0.0107	0.1915	0.5572	0.7758
20 mph	0.0090	0.0001	0.0035	0.0028	0.0682	0.0547	0.4906	1.3791	2.0080
25 mph	0.0315	0.0002	0.0123	0.0100	0.2519	0.2032	1.7844	4.9214	7.2149
30 mph	0.0262	0.0002	0.0102	0.0083	0.2199	0.1761	1.2535	3.4488	5.1433
35 mph	0.0138	0.0001	0.0054	0.0044	0.1286	0.1030	0.4479	1.2599	1.9632
40 mph	0.0055	0.0000	0.0021	0.0018	0.0537	0.0426	0.3591	1.0047	1.4696
45 mph	0.0036	0.0000	0.0014	0.0011	0.0349	0.0273	0.4376	1.2196	1.7255
50 mph	0.0036	0.0000	0.0014	0.0011	0.0366	0.0283	0.5276	1.4433	2.0420
55 mph	0.0066	0.0000	0.0025	0.0021	0.0670	0.0513	0.0493	0.1356	0.3144
60 mph	0.0046	0.0000	0.0018	0.0015	0.0434	0.0331	0.2108	0.5750	0.8701
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.1162	0.0008	0.0450	0.0369	1.0096	0.8028	6.6042	18.6112	27.2267

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0014	0.0000	0.0005	0.0005	0.0175	0.0141	0.3088	0.8680	1.2108
25 mph	0.0017	0.0000	0.0007	0.0007	0.0233	0.0188	0.5391	1.4867	2.0711
30 mph	0.0025	0.0000	0.0010	0.0010	0.0354	0.0283	1.1834	3.2559	4.5075
35 mph	0.0036	0.0000	0.0014	0.0015	0.0567	0.0454	1.2686	3.5684	4.9457
40 mph	0.0051	0.0000	0.0020	0.0021	0.0829	0.0657	1.3562	3.7940	5.3079
45 mph	0.0107	0.0001	0.0041	0.0043	0.1752	0.1370	0.9180	2.5587	3.8080
50 mph	0.0091	0.0001	0.0035	0.0036	0.1556	0.1203	0.5434	1.4864	2.3220
55 mph	0.0069	0.0000	0.0027	0.0028	0.1181	0.0905	0.1863	0.5122	0.9195
60 mph	0.0038	0.0000	0.0014	0.0015	0.0596	0.0454	13.9289	37.9980	52.0387
65 mph	0.0021	0.0000	0.0008	0.0009	0.0303	0.0228	-	-	0.0569
70 mph	0.0541	0.0003	0.0203	0.0219	0.7316	0.5507	-	-	1.3789
total	0.1011	0.0006	0.0384	0.0408	1.4862	1.1390	20.2327	55.5283	78.5671

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0003	0.0002	0.0009	0.0017	0.0031
15 mph	0.0035	0.0000	0.0014	0.0017	0.0297	0.0238	0.2063	0.6002	0.8666
25 mph	-	-	-	-	0.0661	0.0533	0.6706	1.8493	2.6393
35 mph	0.0291	0.0002	0.0113	0.0061	-	-	-	-	0.0467
total	0.0327	0.0002	0.0127	0.0078	0.0960	0.0773	0.8778	2.4513	3.5557

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0003	0.0002	0.0009	0.0017	0.0031
10 mph	0.0100	0.0001	0.0039	0.0030	0.0921	0.0725	0.8517	2.6666	3.6998
15 mph	0.0053	0.0000	0.0021	0.0023	0.0430	0.0345	0.3978	1.1574	1.6424
20 mph	0.0104	0.0001	0.0040	0.0034	0.0857	0.0688	0.7994	2.2470	3.2188
25 mph	0.0332	0.0002	0.0129	0.0107	0.3413	0.2753	2.9941	8.2575	11.9252
30 mph	0.0287	0.0002	0.0111	0.0093	0.2553	0.2045	2.4370	6.7047	9.6508
35 mph	0.0466	0.0003	0.0181	0.0120	0.1853	0.1484	1.7166	4.8283	6.9556
40 mph	0.0107	0.0001	0.0041	0.0038	0.1366	0.1083	1.7153	4.7987	6.7775
45 mph	0.0143	0.0001	0.0055	0.0054	0.2101	0.1643	1.3556	3.7783	5.5336
50 mph	0.0127	0.0001	0.0049	0.0048	0.1922	0.1486	1.0710	2.9298	4.3640
55 mph	0.0135	0.0001	0.0052	0.0049	0.1851	0.1418	0.2356	0.6478	1.2339
60 mph	0.0083	0.0001	0.0032	0.0030	0.1030	0.0784	14.1397	38.5730	52.9088
65 mph	0.0021	0.0000	0.0008	0.0009	0.0303	0.0228	-	-	0.0569
70 mph	0.0541	0.0003	0.0203	0.0219	0.7316	0.5507	-	-	1.3789
total	0.2499	0.0016	0.0961	0.0855	2.5918	2.0191	27.7147	76.5908	109.3494

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.2896	0.2896
15 mph								0.0694	0.0694
20 mph								0.1818	0.1818
25 mph								0.6975	0.6975
30 mph								0.5273	0.5273
35 mph								0.2012	0.2012
40 mph								0.1691	0.1691
45 mph								0.2099	0.2099
50 mph								0.2487	0.2487
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.5945	2.5945

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.1144	0.1144
25 mph								0.2107	0.2107
30 mph								0.4978	0.4978
35 mph								0.5698	0.5698
40 mph								0.6385	0.6385
45 mph								0.4403	0.4403
50 mph								0.2561	0.2561
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.3928	1.3928

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
15 mph								0.0748	0.0748
25 mph								0.2621	0.2621
35 mph								-	-
total	-	-	-	-	-	-	-	0.3372	0.3372

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
10 mph								0.2896	0.2896
15 mph								0.1442	0.1442
20 mph								0.2962	0.2962
25 mph								1.1703	1.1703
30 mph								1.0251	1.0251
35 mph								0.7711	0.7711
40 mph								0.8076	0.8076
45 mph								0.6502	0.6502
50 mph								0.5048	0.5048
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.6594	5.6594

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0013	0.0005	0.0014	0.0020	0.0052
10 mph	0.1018	0.0123	0.0527	0.0140	0.1025	0.0760	0.8649	2.9570	4.1812
15 mph	0.0576	0.0069	0.0297	0.0108	0.0495	0.0367	0.4048	1.3021	1.8981
20 mph	0.1219	0.0146	0.0627	0.0170	0.0997	0.0735	0.8143	2.5441	3.7478
25 mph	0.4201	0.0502	0.2156	0.0570	0.3990	0.2947	3.0517	9.4314	13.9199
30 mph	0.3866	0.0462	0.1980	0.0525	0.2999	0.2193	2.4860	7.7329	11.4216
35 mph	0.6523	0.0783	0.3335	0.0693	0.2163	0.1586	1.7527	5.6017	8.8627
40 mph	0.1520	0.0183	0.0777	0.0225	0.1592	0.1157	1.7531	5.6087	7.9073
45 mph	0.2040	0.0247	0.1045	0.0321	0.2451	0.1756	1.3859	4.4305	6.6025
50 mph	0.1785	0.0218	0.0916	0.0281	0.2227	0.1584	1.0950	3.4362	5.2324
55 mph	0.1842	0.0228	0.0950	0.0280	0.2138	0.1509	0.2409	0.6482	1.5838
60 mph	0.1094	0.0137	0.0567	0.0166	0.1195	0.0837	14.4434	38.5931	53.4360
65 mph	0.0260	0.0033	0.0135	0.0045	0.0353	0.0244	-	-	0.1070
70 mph	0.6419	0.0879	0.3322	0.1141	0.8631	0.5889	-	-	2.6281
STREX	0.7866	0.0660	0.3536	0.1101	0.0713	0.0218	0.0256	0.0001	1.4351
total	4.0229	0.4672	2.0172	0.5767	3.0982	2.1788	28.3197	82.2880	**122.9686**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0228	0.0252	0.0273	0.0297	0.0385	0.0385	0.0291	0.0089
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.7866	0.0660	0.3536	0.1101	0.0713	0.0218	0.0256	0.0001
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.7866	0.0660	0.3536	0.1101	0.0713	0.0218	0.0256	0.0001

World Logistics Center
Mobile Emissions - 2025 Phase 1 (Project) - Unmitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					2.1916	2.2071	3.3551	2.5449
10 mph	0.0074	0.0170	0.0122	0.0151	0.0169	0.0133	0.0290	0.3246
15 mph	0.0049	0.0115	0.0082	0.0101	0.0115	0.0089	0.0194	0.2152
20 mph	0.0035	0.0083	0.0058	0.0072	0.0084	0.0064	0.0138	0.1523
25 mph	0.0026	0.0062	0.0043	0.0053	0.0063	0.0047	0.0101	0.1131
30 mph	0.0020	0.0049	0.0034	0.0042	0.0050	0.0037	0.0077	0.0887
35 mph	0.0016	0.0040	0.0028	0.0034	0.0042	0.0031	0.0063	0.0735
40 mph	0.0014	0.0035	0.0024	0.0030	0.0038	0.0027	0.0055	0.0643
45 mph	0.0013	0.0032	0.0022	0.0027	0.0035	0.0025	0.0050	0.0592
50 mph	0.0012	0.0031	0.0021	0.0026	0.0034	0.0024	0.0048	0.0574
55 mph	0.0013	0.0031	0.0021	0.0027	0.0035	0.0024	0.0050	0.0587
60 mph	0.0013	0.0033	0.0022	0.0028	0.0038	0.0026	0.0053	0.0629
65 mph	0.0015	0.0036	0.0025	0.0031	0.0043	0.0030		
70 mph	0.0016	0.0043	0.0026	0.0034	0.0046	0.0029		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0246	0.1097
10 mph	0.0051	0.0222	0.0090	0.0052	0.0252	0.0253	0.0017	0.0039
15 mph	0.0026	0.0151	0.0044	0.0025	0.0130	0.0130	0.0009	0.0022
20 mph	0.0011	0.0108	0.0017	0.0010	0.0060	0.0059	0.0006	0.0014
25 mph	0.0007	0.0085	0.0011	0.0006	0.0039	0.0039	0.0005	0.0012
30 mph	0.0006	0.0071	0.0008	0.0005	0.0031	0.0030	0.0004	0.0009
35 mph	0.0004	0.0062	0.0006	0.0004	0.0026	0.0025	0.0003	0.0008
40 mph	0.0004	0.0056	0.0005	0.0003	0.0023	0.0022	0.0003	0.0007
45 mph	0.0003	0.0054	0.0005	0.0003	0.0021	0.0020	0.0002	0.0006
50 mph	0.0003	0.0054	0.0004	0.0003	0.0019	0.0018	0.0003	0.0006
55 mph	0.0003	0.0056	0.0004	0.0002	0.0019	0.0018	0.0003	0.0007
60 mph	0.0003	0.0061	0.0003	0.0002	0.0019	0.0018	0.0003	0.0008
65 mph	0.0003	0.0070	0.0003	0.0002	0.0022	0.0020		
70 mph	0.0003	0.0083	0.0004	0.0003	0.0035	0.0030		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.9532
10 mph								11.9451
15 mph								8.1202
20 mph								5.6812
25 mph								4.1725
30 mph								3.1045
35 mph								2.3139
40 mph								1.7296
45 mph								1.2992
50 mph								0.9841
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1192	0.0208	0.0741	0.0173	0.0132	0.0032	0.0165	0.0013	0.2655
15 mph	0.0177	0.0031	0.0111	0.0026	0.0020	0.0005	0.0031	0.0002	0.0404
20 mph	0.0748	0.0135	0.0471	0.0110	0.0087	0.0020	0.0067	0.0005	0.1643
25 mph	0.2297	0.0421	0.1454	0.0340	0.0274	0.0063	0.0205	0.0016	0.5070
30 mph	0.1712	0.0319	0.1088	0.0255	0.0209	0.0047	0.0126	0.0010	0.3765
35 mph	0.0817	0.0154	0.0520	0.0122	0.0102	0.0023	0.0041	0.0003	0.1782
40 mph	0.0304	0.0058	0.0194	0.0046	0.0039	0.0009	0.0031	0.0003	0.0682
45 mph	0.0186	0.0035	0.0118	0.0028	0.0024	0.0005	0.0037	0.0003	0.0437
50 mph	0.0179	0.0034	0.0114	0.0027	0.0024	0.0005	0.0043	0.0004	0.0430
55 mph	0.0318	0.0060	0.0201	0.0048	0.0043	0.0009	0.0004	0.0000	0.0683
60 mph	0.0216	0.0040	0.0136	0.0032	0.0030	0.0006	0.0017	0.0001	0.0478
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.8146	0.1494	0.5146	0.1205	0.0985	0.0223	0.0767	0.0062	1.8028

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0115	0.0021	0.0072	0.0021	0.0022	0.0005	0.0042	0.0003	0.0303
25 mph	0.0127	0.0023	0.0081	0.0024	0.0025	0.0006	0.0062	0.0005	0.0353
30 mph	0.0165	0.0031	0.0105	0.0031	0.0034	0.0008	0.0119	0.0010	0.0500
35 mph	0.0215	0.0041	0.0137	0.0040	0.0045	0.0010	0.0116	0.0010	0.0614
40 mph	0.0281	0.0053	0.0179	0.0053	0.0060	0.0013	0.0118	0.0010	0.0766
45 mph	0.0558	0.0105	0.0355	0.0104	0.0122	0.0026	0.0077	0.0006	0.1355
50 mph	0.0455	0.0086	0.0289	0.0085	0.0101	0.0021	0.0045	0.0004	0.1086
55 mph	0.0336	0.0063	0.0212	0.0063	0.0076	0.0016	0.0015	0.0001	0.0782
60 mph	0.0177	0.0033	0.0111	0.0033	0.0041	0.0009	0.1146	0.0096	0.1646
65 mph	0.0098	0.0018	0.0061	0.0018	0.0023	0.0005	-	-	0.0224
70 mph	0.2471	0.0505	0.1534	0.0472	0.0577	0.0110	-	-	0.5668
total	0.4999	0.0978	0.3136	0.0944	0.1127	0.0229	0.1740	0.0145	1.3298

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1691	0.0519	0.1231	0.0008	0.3448
15 mph	0.0339	0.0060	0.0212	0.0077	0.0044	0.0011	0.0034	0.0003	0.0780
25 mph	-	-	-	-	0.0072	0.0016	0.0077	0.0006	0.0171
35 mph	0.1722	0.0325	0.1097	0.0168	-	-	-	-	0.3312
total	0.2062	0.0385	0.1309	0.0245	0.1807	0.0546	0.1342	0.0017	0.7711

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1691	0.0519	0.1231	0.0008	0.3448
10 mph	0.1192	0.0208	0.0741	0.0173	0.0132	0.0032	0.0165	0.0013	0.2655
15 mph	0.0516	0.0091	0.0323	0.0103	0.0064	0.0015	0.0065	0.0005	0.1184
20 mph	0.0863	0.0156	0.0543	0.0131	0.0110	0.0025	0.0109	0.0009	0.1946
25 mph	0.2425	0.0445	0.1534	0.0363	0.0372	0.0085	0.0343	0.0028	0.5594
30 mph	0.1877	0.0349	0.1192	0.0285	0.0243	0.0055	0.0244	0.0020	0.4265
35 mph	0.2755	0.0519	0.1754	0.0330	0.0148	0.0033	0.0157	0.0013	0.5708
40 mph	0.0584	0.0111	0.0372	0.0098	0.0099	0.0022	0.0149	0.0012	0.1449
45 mph	0.0744	0.0140	0.0474	0.0132	0.0146	0.0031	0.0113	0.0010	0.1791
50 mph	0.0635	0.0120	0.0403	0.0112	0.0125	0.0027	0.0088	0.0007	0.1516
55 mph	0.0654	0.0123	0.0414	0.0110	0.0119	0.0025	0.0019	0.0002	0.1466
60 mph	0.0393	0.0073	0.0247	0.0065	0.0070	0.0015	0.1164	0.0098	0.2124
65 mph	0.0098	0.0018	0.0061	0.0018	0.0023	0.0005	-	-	0.0224
70 mph	0.2471	0.0505	0.1534	0.0472	0.0577	0.0110	-	-	0.5668
total	1.5206	0.2857	0.9591	0.2394	0.3919	0.0998	0.3849	0.0224	3.9038

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0008	0.0000	0.0004	0.0002	0.0155	0.0110	0.0049	0.0212	0.0539
15 mph	0.0001	0.0000	0.0000	0.0000	0.0018	0.0013	0.0008	0.0035	0.0075
20 mph	0.0002	0.0000	0.0001	0.0000	0.0049	0.0034	0.0015	0.0064	0.0167
25 mph	0.0007	0.0000	0.0003	0.0001	0.0135	0.0093	0.0050	0.0226	0.0514
30 mph	0.0005	0.0000	0.0002	0.0001	0.0102	0.0070	0.0032	0.0146	0.0359
35 mph	0.0002	0.0000	0.0001	0.0000	0.0050	0.0034	0.0011	0.0048	0.0147
40 mph	0.0001	0.0000	0.0000	0.0000	0.0019	0.0013	0.0008	0.0036	0.0077
45 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0008	0.0009	0.0043	0.0072
50 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0007	0.0011	0.0052	0.0082
55 mph	0.0001	0.0000	0.0000	0.0000	0.0018	0.0012	0.0001	0.0005	0.0037
60 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0008	0.0005	0.0024	0.0050
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0028	0.0001	0.0012	0.0005	0.0581	0.0401	0.0199	0.0891	0.2118

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0009	0.0010	0.0041	0.0072
25 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0009	0.0015	0.0068	0.0105
30 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0011	0.0030	0.0138	0.0197
35 mph	0.0001	0.0000	0.0000	0.0000	0.0022	0.0015	0.0030	0.0135	0.0204
40 mph	0.0001	0.0000	0.0000	0.0000	0.0029	0.0020	0.0030	0.0136	0.0216
45 mph	0.0001	0.0000	0.0001	0.0000	0.0057	0.0038	0.0020	0.0089	0.0206
50 mph	0.0001	0.0000	0.0000	0.0000	0.0045	0.0030	0.0012	0.0054	0.0143
55 mph	0.0001	0.0000	0.0000	0.0000	0.0032	0.0021	0.0004	0.0020	0.0078
60 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0011	0.0350	0.1596	0.1973
65 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0006	-	-	0.0016
70 mph	0.0005	0.0000	0.0002	0.0001	0.0352	0.0210	-	-	0.0570
total	0.0011	0.0001	0.0004	0.0002	0.0604	0.0380	0.0500	0.2276	0.3779

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0090	0.0063	0.0046	0.0389	0.0588
15 mph	0.0002	0.0000	0.0001	0.0000	0.0040	0.0028	0.0008	0.0038	0.0117
25 mph	-	-	-	-	0.0035	0.0024	0.0019	0.0085	0.0163
35 mph	0.0005	0.0000	0.0002	0.0001	-	-	-	-	0.0007
total	0.0007	0.0000	0.0003	0.0001	0.0165	0.0116	0.0073	0.0512	0.0876

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0090	0.0063	0.0046	0.0389	0.0588
10 mph	0.0008	0.0000	0.0004	0.0002	0.0155	0.0110	0.0049	0.0212	0.0539
15 mph	0.0003	0.0000	0.0001	0.0001	0.0058	0.0040	0.0016	0.0072	0.0191
20 mph	0.0003	0.0000	0.0001	0.0000	0.0062	0.0043	0.0025	0.0105	0.0239
25 mph	0.0007	0.0000	0.0003	0.0001	0.0183	0.0126	0.0083	0.0379	0.0783
30 mph	0.0005	0.0000	0.0002	0.0001	0.0119	0.0082	0.0063	0.0285	0.0556
35 mph	0.0008	0.0000	0.0003	0.0001	0.0072	0.0049	0.0041	0.0183	0.0358
40 mph	0.0002	0.0000	0.0001	0.0000	0.0048	0.0032	0.0038	0.0172	0.0293
45 mph	0.0002	0.0000	0.0001	0.0000	0.0068	0.0046	0.0029	0.0132	0.0278
50 mph	0.0002	0.0000	0.0001	0.0000	0.0056	0.0037	0.0023	0.0106	0.0225
55 mph	0.0001	0.0000	0.0001	0.0000	0.0050	0.0033	0.0005	0.0025	0.0116
60 mph	0.0001	0.0000	0.0000	0.0000	0.0028	0.0019	0.0355	0.1620	0.2023
65 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0006	-	-	0.0016
70 mph	0.0005	0.0000	0.0002	0.0001	0.0352	0.0210	-	-	0.0570
total	0.0046	0.0002	0.0019	0.0008	0.1350	0.0896	0.0773	0.3679	0.6774

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								3.6445	3.6445
15 mph								0.7079	0.7079
20 mph								1.4857	1.4857
25 mph								4.5466	4.5466
30 mph								2.7063	2.7063
35 mph								0.8069	0.8069
40 mph								0.5277	0.5277
45 mph								0.5097	0.5097
50 mph								0.4718	0.4718
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	15.4071	15.4071

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.9351	0.9351
25 mph								1.3735	1.3735
30 mph								2.5549	2.5549
35 mph								2.2851	2.2851
40 mph								1.9928	1.9928
45 mph								1.0692	1.0692
50 mph								0.4859	0.4859
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	7.1487	7.1487

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0385	0.0385
15 mph								0.7625	0.7625
25 mph								1.7085	1.7085
35 mph								-	-
total	-	-	-	-	-	-	-	2.5095	2.5095

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0385	0.0385
10 mph								3.6445	3.6445
15 mph								1.4704	1.4704
20 mph								2.4208	2.4208
25 mph								7.6286	7.6286
30 mph								5.2612	5.2612
35 mph								3.0920	3.0920
40 mph								2.5205	2.5205
45 mph								1.5788	1.5788
50 mph								0.9577	0.9577
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	28.6132	28.6132

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1780	0.0582	0.1277	0.0782	0.4422
10 mph	0.1200	0.0208	0.0745	0.0174	0.0288	0.0141	0.0213	3.6670	3.9639
15 mph	0.0519	0.0091	0.0324	0.0104	0.0122	0.0056	0.0081	1.4782	1.6079
20 mph	0.0865	0.0156	0.0544	0.0131	0.0171	0.0068	0.0134	2.4322	2.6393
25 mph	0.2431	0.0445	0.1537	0.0364	0.0554	0.0211	0.0427	7.6693	8.2663
30 mph	0.1882	0.0349	0.1194	0.0286	0.0361	0.0136	0.0307	5.2917	5.7434
35 mph	0.2762	0.0519	0.1757	0.0331	0.0220	0.0082	0.0197	3.1116	3.6986
40 mph	0.0586	0.0111	0.0373	0.0098	0.0147	0.0054	0.0187	2.5389	2.6946
45 mph	0.0746	0.0141	0.0474	0.0133	0.0215	0.0077	0.0142	1.5930	1.7858
50 mph	0.0636	0.0120	0.0403	0.0112	0.0181	0.0064	0.0111	0.9690	1.1318
55 mph	0.0655	0.0123	0.0414	0.0111	0.0169	0.0058	0.0025	0.0027	0.1581
60 mph	0.0394	0.0073	0.0247	0.0065	0.0098	0.0033	0.1519	0.1718	0.4147
65 mph	0.0098	0.0018	0.0061	0.0018	0.0033	0.0011	-	-	0.0240
70 mph	0.2476	0.0505	0.1535	0.0473	0.0929	0.0320	-	-	0.6238
STREX	1.3969	0.1444	0.7098	0.2397	0.0379	0.0117	0.0310	0.0000	2.5713
total	2.9222	0.4302	1.6709	0.4799	0.5647	0.2011	0.4931	29.0035	**35.7656**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0404	0.0552	0.0549	0.0647	0.0204	0.0207	0.0352	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.3969	0.1444	0.7098	0.2397	0.0379	0.0117	0.0310	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	1.3969	0.1444	0.7098	0.2397	0.0379	0.0117	0.0310	0.0000

World Logistics Center
Mobile Emissions - 2025 Phase 1 (Project) - Unmitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,468.89	5,214.53	13,277.60	22,346.84
10 mph	469.05	547.53	572.67	707.71	1,471.68	1,693.02	3,051.34	3,637.55
15 mph	383.33	447.32	467.73	577.37	1,201.85	1,381.63	2,495.55	2,985.27
20 mph	318.85	372.10	389.04	480.33	999.24	1,148.88	2,071.52	2,487.31
25 mph	272.62	318.29	332.83	411.33	854.21	982.10	1,773.08	2,128.18
30 mph	241.94	282.58	295.57	365.80	758.33	871.92	1,575.79	1,887.53
35 mph	224.37	262.17	274.28	340.14	703.42	808.91	1,461.97	1,747.33
40 mph	217.44	254.06	265.78	329.72	681.02	783.20	1,414.70	1,689.61
45 mph	218.55	255.22	266.97	331.04	683.52	786.09	1,420.88	1,691.02
50 mph	225.13	262.85	274.86	341.21	703.72	808.90	1,461.44	1,738.06
55 mph	233.91	273.09	285.65	354.82	732.65	842.13	1,519.05	1,807.02
60 mph	241.00	281.65	294.84	366.71	762.23	876.08	1,579.67	1,878.12
65 mph	246.81	289.02	302.71	377.32	785.43	902.29		
70 mph	249.71	293.57	305.32	387.47	798.31	913.22		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,633.82	5,849.92	6,051.88	5,563.14
10 mph	390.10	860.54	526.75	656.04	948.79	1,061.28	1,861.61	3,089.29
15 mph	320.94	716.13	436.94	555.47	616.76	703.44	1,465.17	2,259.33
20 mph	263.26	588.14	358.92	461.40	526.42	600.76	1,251.15	1,863.99
25 mph	220.78	491.32	300.99	390.96	466.93	535.44	1,092.11	1,596.44
30 mph	191.32	422.79	260.27	338.49	424.61	483.53	958.98	1,398.44
35 mph	173.06	379.02	234.84	308.10	425.68	484.69	856.70	1,277.23
40 mph	161.97	353.12	219.16	288.41	414.65	467.66	784.99	1,163.97
45 mph	156.46	340.90	211.32	277.45	404.63	449.72	743.89	1,098.98
50 mph	157.00	341.02	211.54	279.19	424.59	466.78	733.86	1,064.08
55 mph	164.24	356.51	221.11	294.61	443.26	482.68	754.85	1,099.94
60 mph	178.10	386.27	239.56	319.01	447.35	484.02	806.23	1,165.76
65 mph	200.37	430.54	269.01	359.35	454.73	487.02		
70 mph	218.69	448.99	286.73	393.87	467.29	500.03		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,755.56
10 mph								4,655.76
15 mph								3,906.99
20 mph								3,409.59
25 mph								3,139.99
30 mph								2,967.24
35 mph								2,830.54
40 mph								2,718.59
45 mph								2,624.68
50 mph								2,544.51
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	7,589.79	670.27	3,469.26	811.54	1,150.50	403.49	1,733.36	14.77	15,842.98
15 mph	1,378.41	121.69	629.67	147.13	208.79	73.17	405.04	3.46	2,967.36
20 mph	6,879.20	607.36	3,142.44	734.40	1,041.55	365.07	1,008.66	8.66	13,787.33
25 mph	24,507.91	2,164.65	11,201.53	2,620.45	3,709.93	1,300.33	3,597.25	30.86	49,132.91
30 mph	20,879.81	1,844.94	9,549.61	2,237.19	3,161.78	1,108.27	2,557.59	21.90	41,361.08
35 mph	11,295.23	998.47	5,169.30	1,213.46	1,710.81	599.77	949.14	8.11	21,944.30
40 mph	4,691.20	414.68	2,146.83	504.12	709.86	248.87	803.64	6.86	9,526.06
45 mph	3,143.49	277.72	1,437.62	337.43	474.98	166.53	1,037.77	8.83	6,884.36
50 mph	3,238.08	286.03	1,480.07	347.80	489.01	171.36	1,304.60	11.09	7,328.03
55 mph	5,887.64	520.03	2,691.81	632.92	890.96	312.20	123.27	1.05	11,059.88
60 mph	3,899.74	344.79	1,786.16	420.51	595.88	208.79	512.78	4.36	7,773.00
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	93,390.50	8,250.62	42,704.29	10,006.95	14,144.04	4,957.85	14,033.10	119.94	187,607.29

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	1,058.61	93.46	483.57	141.15	267.98	93.93	634.82	5.45	2,778.97
25 mph	1,357.70	119.92	620.55	181.31	343.62	120.44	1,086.73	9.32	3,839.60
30 mph	2,008.18	177.44	918.46	268.74	508.42	178.21	2,414.51	20.67	6,494.65
35 mph	2,979.71	263.40	1,363.68	399.82	754.57	264.53	2,688.13	22.96	8,736.81
40 mph	4,331.43	382.88	1,982.18	581.35	1,095.81	384.19	3,034.75	25.91	11,818.50
45 mph	9,432.85	833.37	4,313.96	1,264.63	2,382.99	835.48	2,177.15	18.52	21,258.95
50 mph	8,221.80	726.25	3,758.04	1,102.98	2,075.95	727.46	1,343.58	11.42	17,967.48
55 mph	6,212.71	548.74	2,840.43	834.15	1,571.87	550.79	465.51	3.96	13,028.16
60 mph	3,200.59	282.97	1,465.94	431.05	817.66	286.50	33,886.31	287.97	40,658.99
65 mph	1,638.83	145.19	752.51	221.76	421.28	147.54	-	-	3,327.10
70 mph	38,965.31	3,465.62	17,836.66	5,351.61	10,062.27	3,509.08	-	-	79,190.55
total	79,407.72	7,039.25	36,335.98	10,778.55	20,302.43	7,098.16	47,731.49	406.18	209,099.77

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	344.73	122.63	487.11	6.86	961.32
15 mph	2,640.62	233.12	1,206.25	439.87	465.32	163.07	436.33	3.73	5,588.31
25 mph	-	-	-	-	973.25	341.12	1,351.77	11.60	2,677.74
35 mph	23,822.35	2,105.83	10,902.38	1,667.40	-	-	-	-	38,497.97
total	26,462.97	2,338.95	12,108.63	2,107.27	1,783.30	626.83	2,275.21	22.19	47,725.34

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	344.73	122.63	487.11	6.86	961.32
10 mph	7,589.79	670.27	3,469.26	811.54	1,150.50	403.49	1,733.36	14.77	15,842.98
15 mph	4,019.02	354.81	1,835.92	587.00	674.11	236.25	841.37	7.19	8,555.66
20 mph	7,937.80	700.82	3,626.01	875.55	1,309.53	459.00	1,643.47	14.10	16,566.29
25 mph	25,865.61	2,284.57	11,822.08	2,801.77	5,026.80	1,761.89	6,035.75	51.78	55,650.25
30 mph	22,887.99	2,022.39	10,468.07	2,505.94	3,670.20	1,286.48	4,972.10	42.57	47,855.74
35 mph	38,097.30	3,367.70	17,435.36	3,280.68	2,465.39	864.30	3,637.27	31.07	69,179.08
40 mph	9,022.63	797.55	4,129.01	1,085.48	1,805.67	633.07	3,838.39	32.77	21,344.56
45 mph	12,576.34	1,111.10	5,751.58	1,602.06	2,857.96	1,002.01	3,214.92	27.35	28,143.32
50 mph	11,459.88	1,012.27	5,238.11	1,450.78	2,564.96	898.82	2,648.18	22.51	25,295.51
55 mph	12,100.35	1,068.77	5,532.24	1,467.07	2,462.83	862.99	588.79	5.01	24,088.04
60 mph	7,100.33	627.76	3,252.09	851.56	1,413.54	495.29	34,399.09	292.33	48,431.99
65 mph	1,638.83	145.19	752.51	221.76	421.28	147.54	-	-	3,327.10
70 mph	38,965.31	3,465.62	17,836.66	5,351.61	10,062.27	3,509.08	-	-	79,190.55
total	199,261.19	17,628.82	91,148.91	22,892.78	36,229.77	12,682.83	64,039.80	548.31	444,432.41

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	63.69	0.43	24.55	19.30	586.11	461.15	5,418.40	16,964.35	23,537.98
15 mph	11.64	0.08	4.53	3.63	84.67	67.92	1,218.44	3,544.78	4,935.69
20 mph	57.31	0.39	22.31	18.09	433.59	348.06	3,121.36	8,773.55	12,774.67
25 mph	200.27	1.36	77.95	63.88	1,602.45	1,292.57	11,352.46	31,309.24	45,900.16
30 mph	166.60	1.12	64.71	53.10	1,398.93	1,120.58	7,974.90	21,940.92	32,720.85
35 mph	87.91	0.59	34.06	28.19	818.10	655.23	2,849.72	8,015.64	12,489.44
40 mph	35.26	0.23	13.62	11.31	341.53	270.95	2,284.79	6,391.74	9,349.44
45 mph	22.71	0.15	8.76	7.25	222.19	173.70	2,783.78	7,759.15	10,977.69
50 mph	22.79	0.15	8.77	7.30	233.14	180.29	3,356.52	9,182.24	12,991.20
55 mph	41.72	0.28	16.03	13.48	425.94	326.26	313.87	862.87	2,000.44
60 mph	29.08	0.19	11.17	9.38	276.34	210.32	1,340.93	3,658.05	5,535.47
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	738.98	4.96	286.44	234.92	6,422.98	5,107.04	42,015.17	118,402.54	173,213.05

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	8.82	0.06	3.43	3.48	111.56	89.55	1,964.50	5,521.83	7,703.23
25 mph	11.09	0.08	4.32	4.42	148.42	119.72	3,429.56	9,458.48	13,176.10
30 mph	16.02	0.11	6.22	6.38	224.95	180.19	7,528.78	20,713.52	28,676.17
35 mph	23.19	0.15	8.98	9.29	360.83	289.00	8,070.90	22,701.72	31,464.07
40 mph	32.56	0.22	12.58	13.04	527.23	418.26	8,627.91	24,136.73	33,768.52
45 mph	68.14	0.45	26.27	27.19	1,114.72	871.48	5,840.11	16,277.99	24,226.36
50 mph	57.86	0.38	22.26	23.15	989.75	765.38	3,456.82	9,456.62	14,772.22
55 mph	44.02	0.29	16.92	17.76	751.46	575.59	1,185.24	3,258.42	5,849.70
60 mph	23.87	0.16	9.16	9.62	379.20	288.60	88,614.25	241,739.18	331,064.03
65 mph	13.43	0.09	5.15	5.42	192.72	145.19	-	-	361.99
70 mph	344.34	2.15	128.89	139.53	4,654.14	3,503.23	-	-	8,772.28
total	643.34	4.13	244.19	259.27	9,454.98	7,246.20	128,718.08	353,264.48	499,834.67

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	221.50	250.82	1,137.58	1,972.91	3,582.81
15 mph	22.31	0.15	8.67	10.85	188.69	151.38	1,312.55	3,818.58	5,513.19
25 mph	-	-	-	-	420.38	339.09	4,266.00	11,765.33	16,790.80
35 mph	185.41	1.24	71.83	38.74	-	-	-	-	297.21
total	207.72	1.39	80.50	49.59	830.57	741.29	6,716.14	17,556.81	26,184.01

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	221.50	250.82	1,137.58	1,972.91	3,582.81
10 mph	63.69	0.43	24.55	19.30	586.11	461.15	5,418.40	16,964.35	23,537.98
15 mph	33.95	0.23	13.20	14.48	273.35	219.30	2,530.99	7,363.36	10,448.87
20 mph	66.13	0.45	25.74	21.57	545.15	437.62	5,085.86	14,295.39	20,477.91
25 mph	211.36	1.43	82.26	68.30	2,171.26	1,751.38	19,048.02	52,533.04	75,867.06
30 mph	182.63	1.23	70.93	59.48	1,623.88	1,300.77	15,503.68	42,654.44	61,397.02
35 mph	296.51	1.98	114.87	76.22	1,178.93	944.23	10,920.62	30,717.36	44,250.72
40 mph	67.82	0.45	26.20	24.35	868.76	689.21	10,912.70	30,528.47	43,117.97
45 mph	90.85	0.60	35.03	34.44	1,336.90	1,045.19	8,623.89	24,037.14	35,204.05
50 mph	80.64	0.53	31.02	30.45	1,222.89	945.67	6,813.35	18,638.86	27,763.42
55 mph	85.73	0.57	32.95	31.24	1,177.41	901.85	1,499.10	4,121.29	7,850.14
60 mph	52.95	0.35	20.33	19.00	655.54	498.92	89,955.18	245,397.23	336,599.49
65 mph	13.43	0.09	5.15	5.42	192.72	145.19	-	-	361.99
70 mph	344.34	2.15	128.89	139.53	4,654.14	3,503.23	-	-	8,772.28
total	1,590.04	10.48	611.13	543.79	16,708.54	13,094.53	177,449.39	489,223.84	699,231.73

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1,420.50	1,420.50
15 mph								340.59	340.59
20 mph								891.67	891.67
25 mph								3,421.54	3,421.54
30 mph								2,586.64	2,586.64
35 mph								986.99	986.99
40 mph								829.46	829.46
45 mph								1,029.61	1,029.61
50 mph								1,219.97	1,219.97
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	12,726.98	12,726.98

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								561.20	561.20
25 mph								1,033.64	1,033.64
30 mph								2,441.94	2,441.94
35 mph								2,795.33	2,795.33
40 mph								3,132.24	3,132.24
45 mph								2,160.03	2,160.03
50 mph								1,256.43	1,256.43
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	6,832.11	6,832.11

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								113.41	113.41
15 mph								366.89	366.89
25 mph								1,285.74	1,285.74
35 mph								-	-
total	-	-	-	-	-	-	-	1,766.04	1,766.04

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								113.41	113.41
10 mph								1,420.50	1,420.50
15 mph								707.48	707.48
20 mph								1,452.87	1,452.87
25 mph								5,740.92	5,740.92
30 mph								5,028.59	5,028.59
35 mph								3,782.32	3,782.32
40 mph								3,961.70	3,961.70
45 mph								3,189.64	3,189.64
50 mph								2,476.41	2,476.41
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	27,873.83	27,873.83

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	566.23	373.45	1,624.69	2,093.18	4,657.55
10 mph	7,653.49	670.70	3,493.81	830.83	1,736.61	864.64	7,151.77	18,399.62	40,801.46
15 mph	4,052.98	355.04	1,849.11	601.48	947.46	455.55	3,372.36	8,078.03	19,712.02
20 mph	8,003.93	701.27	3,651.75	897.12	1,854.67	896.62	6,729.34	15,762.36	38,497.07
25 mph	26,076.98	2,286.00	11,904.35	2,870.07	7,198.06	3,513.27	25,083.77	58,325.75	137,258.24
30 mph	23,070.62	2,023.61	10,539.00	2,565.41	5,294.08	2,587.25	20,475.78	47,725.59	114,281.35
35 mph	38,393.81	3,369.68	17,550.23	3,356.91	3,644.32	1,808.54	14,557.89	34,530.76	117,212.13
40 mph	9,090.45	798.00	4,155.21	1,109.83	2,674.43	1,322.27	14,751.09	34,522.94	68,424.23
45 mph	12,667.19	1,111.70	5,786.61	1,636.50	4,194.87	2,047.20	11,838.81	27,254.12	66,537.00
50 mph	11,540.52	1,012.81	5,269.13	1,481.22	3,787.86	1,844.49	9,461.52	21,137.78	55,535.33
55 mph	12,186.08	1,069.33	5,565.19	1,498.31	3,640.24	1,764.84	2,087.89	4,126.30	31,938.19
60 mph	7,153.27	628.11	3,272.43	870.56	2,069.08	994.21	124,354.27	245,689.56	385,031.48
65 mph	1,652.26	145.27	757.66	227.18	614.00	292.73	-	-	3,689.10
70 mph	39,309.65	3,467.77	17,965.55	5,491.14	14,716.41	7,012.30	-	-	87,962.83
STREX	1,738.15	154.31	813.42	288.84	33.98	11.79	32.18	0.28	3,072.97
total	202,589.38	17,793.61	92,573.45	23,725.41	52,972.29	25,789.15	241,521.37	517,646.27	**1,174,610.93**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	50.28	59.01	62.85	78.00	18.35	20.89	36.56	45.28
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1,738.15	154.31	813.42	288.84	33.98	11.79	32.18	0.28
Diesel	-	-	-	-	-	-	-	-
Electric/MG	-	-	-	-	-	-	-	-
Total	1,738.15	154.31	813.42	288.84	33.98	11.79	32.18	0.28

World Logistics Center
Mobile Emissions - 2035 Buildout (Project) - Unmitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
105.97	1,994.15	1,710.59	15.84	19.11	603.28	249.14	871.53	18.20	148.08	97.79	264.07	13.71	176.32	66.37	1,699,242.60

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
19.34	363.93	312.18	2.89	3.49	110.10	45.47	159.05	3.32	27.02	17.85	48.19	2.50	32.18	12.11	310,111.77

World Logistics Center
Mobile Emissions - 2035 Buildout (Project) - Unmitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	26,341.15	311.86	1,481.41	560,302.77	6,633.63	31,511.00
LDT1	2,013.08	0.30	62.40	42,820.18	6.33	1,327.34
LDT2	9,910.89	96.46	380.86	210,814.74	2,051.90	8,101.20
MDT	2,848.17	95.83	119.99	42,166.44	1,418.77	1,776.48
LHDT1	1,291.94	1,360.71	-	28,167.41	29,666.78	-
LHDT2	375.33	900.01	-	8,183.14	19,622.36	-
MHDT	601.76	3,600.75	-	25,863.68	154,759.83	-
HHDT	5.58	6,538.26	463.64	239.83	281,013.29	19,927.38

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	316,358.57	3,745.49	17,791.76	243,944.20	2,888.15	13,719.24
LDT1	24,177.16	3.57	749.44	18,643.02	2.75	577.90
LDT2	119,030.38	1,158.55	4,574.11	91,784.37	893.36	3,527.10
MDT	22,386.69	753.24	943.15	19,779.75	665.53	833.32
LHDT1	13,121.54	13,820.01	-	15,045.87	15,846.77	-
LHDT2	3,812.04	9,140.90	-	4,371.09	10,481.45	-
MHDT	6,272.17	37,530.60	-	19,591.51	117,229.23	-
HHDT	58.16	68,148.16	4,832.56	181.67	212,865.13	15,094.82

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	15,817.93	1,208.86	5,951.52	1,119.33	656.08	190.60	376.33	3.49	25,324.14
15 mph	6,327.17	483.54	2,380.61	447.73	262.43	76.24	125.44	1.16	10,104.33
20 mph	12,654.34	967.09	4,761.22	895.47	524.86	152.48	250.89	2.33	20,208.67
25 mph	63,271.71	4,835.43	23,806.08	4,477.34	2,624.31	762.41	1,379.88	12.80	101,169.95
30 mph	69,598.88	5,318.98	26,186.68	4,925.07	2,886.74	838.65	1,254.43	11.63	111,021.07
35 mph	56,944.54	4,351.89	21,425.47	4,029.60	2,361.88	686.17	564.49	5.23	90,369.28
40 mph	18,981.51	1,450.63	7,141.82	1,343.20	787.29	228.72	627.22	5.82	30,566.22
45 mph	15,817.93	1,208.86	5,951.52	1,119.33	656.08	190.60	501.77	4.65	25,450.75
50 mph	15,817.93	1,208.86	5,951.52	1,119.33	656.08	190.60	815.38	7.56	25,767.26
55 mph	12,654.34	967.09	4,761.22	895.47	524.86	152.48	188.16	1.74	20,145.36
60 mph	25,308.69	1,934.17	9,522.43	1,790.93	1,049.72	304.96	188.16	1.74	40,100.82
65 mph	3,163.59	241.77	1,190.30	223.87	131.22	38.12	-	-	4,988.86
70 mph	-	-	-	-	-	-	-	-	-
total	316,358.57	24,177.16	119,030.38	22,386.69	13,121.54	3,812.04	6,272.17	58.16	505,216.70

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	2,439.44	186.43	917.84	197.80	150.46	43.71	-	-	3,935.68
15 mph	2,439.44	186.43	917.84	197.80	150.46	43.71	-	-	3,935.68
20 mph	2,439.44	186.43	917.84	197.80	150.46	43.71	391.83	3.63	4,331.15
25 mph	4,878.88	372.86	1,835.69	395.60	300.92	87.42	685.70	6.36	8,563.43
30 mph	9,757.77	745.72	3,671.37	791.19	601.83	174.84	1,175.49	10.90	16,929.12
35 mph	21,954.98	1,677.87	8,260.59	1,780.18	1,354.13	393.40	1,175.49	10.90	36,607.54
40 mph	24,394.42	1,864.30	9,178.44	1,977.98	1,504.59	437.11	1,077.53	9.99	40,444.36
45 mph	19,515.54	1,491.44	7,342.75	1,582.38	1,203.67	349.69	783.66	7.27	32,276.39
50 mph	21,954.98	1,677.87	8,260.59	1,780.18	1,354.13	393.40	391.83	3.63	35,816.61
55 mph	12,197.21	932.15	4,589.22	988.99	752.29	218.55	195.92	1.82	19,876.15
60 mph	7,318.33	559.29	2,753.53	593.39	451.38	131.13	13,714.06	127.17	25,648.28
65 mph	2,439.44	186.43	917.84	197.80	150.46	43.71	-	-	3,935.68
70 mph	112,214.33	8,575.79	42,220.81	9,098.69	6,921.10	2,010.70	-	-	181,041.42
total	243,944.20	18,643.02	91,784.37	19,779.75	15,045.87	4,371.09	19,591.51	181.67	413,341.48

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	53.83	15.64	25.07	0.31	94.85
15 mph	5,353.94	409.17	2,014.43	589.88	270.26	78.52	122.23	1.13	8,839.56
25 mph	-	-	-	-	873.66	253.81	554.17	5.14	1,686.78
35 mph	108,571.27	8,297.37	40,850.10	3,929.95	-	-	-	-	161,648.69
total	113,925.21	8,706.54	42,864.53	4,519.83	1,143.92	332.33	676.40	6.27	172,175.03

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	53.83	15.64	25.07	0.31	94.85
10 mph	18,257.37	1,395.29	6,869.36	1,317.13	806.54	234.31	376.33	3.49	29,259.82
15 mph	14,120.56	1,079.14	5,312.88	1,235.41	683.15	198.47	247.67	2.30	22,879.57
20 mph	15,093.78	1,153.52	5,679.06	1,093.27	675.32	196.19	642.72	5.96	24,539.81
25 mph	68,150.60	5,208.29	25,641.76	4,872.93	3,798.88	1,103.64	2,619.75	24.29	111,420.15
30 mph	79,356.65	6,064.70	29,858.06	5,716.26	3,488.57	1,013.49	2,429.92	22.53	127,950.19
35 mph	187,470.79	14,327.13	70,536.16	9,739.73	3,716.01	1,079.57	1,739.99	16.13	288,625.51
40 mph	43,375.93	3,314.93	16,320.26	3,321.18	2,291.88	665.83	1,704.75	15.81	71,010.57
45 mph	35,333.46	2,700.30	13,294.27	2,701.71	1,859.75	540.29	1,285.43	11.92	57,727.14
50 mph	37,772.91	2,886.73	14,212.11	2,899.51	2,010.21	584.00	1,207.21	11.19	61,583.87
55 mph	24,851.55	1,899.24	9,350.43	1,884.46	1,277.16	371.04	384.08	3.56	40,021.51
60 mph	32,627.01	2,493.46	12,275.96	2,384.33	1,501.10	436.10	13,902.22	128.92	65,749.10
65 mph	5,603.03	428.20	2,108.15	421.66	281.67	81.83	-	-	8,924.55
70 mph	112,214.33	8,575.79	42,220.81	9,098.69	6,921.10	2,010.70	-	-	181,041.42
total	674,227.98	51,526.72	253,679.27	46,686.27	29,311.33	8,515.47	26,540.07	246.11	##########

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	187.27	0.18	57.93	37.66	691.00	457.05	2,251.84	4,088.89	7,771.81
15 mph	74.91	0.07	23.17	15.06	276.40	182.82	750.61	1,362.96	2,686.01
20 mph	149.82	0.14	46.34	30.13	552.80	365.64	1,501.22	2,725.93	5,372.02
25 mph	749.10	0.71	231.71	150.65	2,764.00	1,828.18	8,256.73	14,992.59	28,973.68
30 mph	824.01	0.79	254.88	165.71	3,040.40	2,011.00	7,506.12	13,629.63	27,432.54
35 mph	674.19	0.64	208.54	135.58	2,487.60	1,645.36	3,377.75	6,133.33	14,663.01
40 mph	224.73	0.21	69.51	45.19	829.20	548.45	3,753.06	6,814.82	12,285.18
45 mph	187.27	0.18	57.93	37.66	691.00	457.05	3,002.45	5,451.85	9,885.39
50 mph	187.27	0.18	57.93	37.66	691.00	457.05	4,878.98	8,859.26	15,169.33
55 mph	149.82	0.14	46.34	30.13	552.80	365.64	1,125.92	2,044.44	4,315.23
60 mph	299.64	0.29	92.68	60.26	1,105.60	731.27	1,125.92	2,044.44	5,460.10
65 mph	37.45	0.04	11.59	7.53	138.20	91.41	-	-	286.22
70 mph	-	-	-	-	-	-	-	-	-
total	3,745.49	3.57	1,158.55	753.24	13,820.01	9,140.90	37,530.60	68,148.16	134,300.52

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	28.88	0.03	8.93	6.66	158.47	104.81	-	-	307.78
15 mph	28.88	0.03	8.93	6.66	158.47	104.81	-	-	307.78
20 mph	28.88	0.03	8.93	6.66	158.47	104.81	2,344.58	4,257.30	6,909.67
25 mph	57.76	0.06	17.87	13.31	316.94	209.63	4,103.02	7,450.28	12,168.86
30 mph	115.53	0.11	35.73	26.62	633.87	419.26	7,033.75	12,771.91	21,036.78
35 mph	259.93	0.25	80.40	59.90	1,426.21	943.33	7,033.75	12,771.91	22,575.68
40 mph	288.81	0.28	89.34	66.55	1,584.68	1,048.15	6,447.61	11,707.58	21,232.99
45 mph	231.05	0.22	71.47	53.24	1,267.74	838.52	4,689.17	8,514.61	15,666.02
50 mph	259.93	0.25	80.40	59.90	1,426.21	943.33	2,344.58	4,257.30	9,371.91
55 mph	144.41	0.14	44.67	33.28	792.34	524.07	1,172.29	2,128.65	4,839.84
60 mph	86.64	0.08	26.80	19.97	475.40	314.44	82,060.46	149,005.59	231,989.39
65 mph	28.88	0.03	8.93	6.66	158.47	104.81	-	-	307.78
70 mph	1,328.55	1.27	410.94	306.14	7,289.51	4,821.47	-	-	14,157.88
total	2,888.15	2.75	893.36	665.53	15,846.77	10,481.45	117,229.23	212,865.13	360,872.37

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	56.69	37.50	150.03	272.43	516.66
15 mph	63.39	0.06	19.61	19.85	284.65	188.27	731.38	1,328.03	2,635.23
25 mph	-	-	-	-	920.16	608.62	3,315.96	6,021.13	10,865.87
35 mph	1,285.42	1.23	397.60	132.23	-	-	-	-	1,816.47
total	1,348.80	1.29	417.21	152.08	1,204.81	796.89	4,047.34	7,349.16	15,317.58

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	56.69	37.50	150.03	272.43	516.66
10 mph	216.16	0.21	66.86	44.32	849.47	561.86	2,251.84	4,088.89	8,079.59
15 mph	167.18	0.16	51.71	41.57	719.52	475.91	1,481.99	2,691.00	5,629.02
20 mph	178.70	0.17	55.28	36.79	711.27	470.45	3,845.81	6,983.23	12,281.69
25 mph	806.86	0.77	249.58	163.96	4,001.10	2,646.43	15,675.72	28,464.00	52,008.41
30 mph	939.53	0.90	290.61	192.33	3,674.27	2,430.26	14,539.87	26,401.54	48,469.32
35 mph	2,219.54	2.12	686.54	327.71	3,913.81	2,588.69	10,411.51	18,905.24	39,055.16
40 mph	513.54	0.49	158.85	111.75	2,413.88	1,596.60	10,200.67	18,522.40	33,518.17
45 mph	418.33	0.40	129.40	90.90	1,958.74	1,295.56	7,691.62	13,966.46	25,551.40
50 mph	447.21	0.43	138.33	97.56	2,117.21	1,400.38	7,223.56	13,116.56	24,541.23
55 mph	294.23	0.28	91.01	63.41	1,345.14	889.71	2,298.21	4,173.10	9,155.08
60 mph	386.28	0.37	119.48	80.23	1,581.00	1,045.72	83,186.38	151,050.04	237,449.50
65 mph	66.34	0.06	20.52	14.19	296.67	196.22	-	-	594.00
70 mph	1,328.55	1.27	410.94	306.14	7,289.51	4,821.47	-	-	14,157.88
total	7,982.43	7.61	2,469.11	1,570.85	30,871.59	20,419.25	158,807.17	288,362.45	510,490.47

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	889.59	37.47	228.71	47.16	-	-	-	289.95	1,492.88
15 mph	355.84	14.99	91.48	18.86	-	-	-	96.65	577.82
20 mph	711.67	29.98	182.96	37.73	-	-	-	193.30	1,155.64
25 mph	3,558.35	149.89	914.82	188.63	-	-	-	1,063.16	5,874.86
30 mph	3,914.19	164.88	1,006.30	207.49	-	-	-	966.51	6,259.38
35 mph	3,202.52	134.90	823.34	169.77	-	-	-	434.93	4,765.46
40 mph	1,067.51	44.97	274.45	56.59	-	-	-	483.26	1,926.76
45 mph	889.59	37.47	228.71	47.16	-	-	-	386.61	1,589.53
50 mph	889.59	37.47	228.71	47.16	-	-	-	628.23	1,831.16
55 mph	711.67	29.98	182.96	37.73	-	-	-	144.98	1,107.32
60 mph	1,423.34	59.96	365.93	75.45	-	-	-	144.98	2,069.65
65 mph	177.92	7.49	45.74	9.43	-	-	-	-	240.58
70 mph	-	-	-	-	-	-	-	-	-
total	17,791.76	749.44	4,574.11	943.15	-	-	-	4,832.56	28,891.03

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	137.19	5.78	35.27	8.33	-	-	-	-	186.58
15 mph	137.19	5.78	35.27	8.33	-	-	-	-	186.58
20 mph	137.19	5.78	35.27	8.33	-	-	-	301.90	488.47
25 mph	274.38	11.56	70.54	16.67	-	-	-	528.32	901.47
30 mph	548.77	23.12	141.08	33.33	-	-	-	905.69	1,651.99
35 mph	1,234.73	52.01	317.44	75.00	-	-	-	905.69	2,584.87
40 mph	1,371.92	57.79	352.71	83.33	-	-	-	830.22	2,695.97
45 mph	1,097.54	46.23	282.17	66.67	-	-	-	603.79	2,096.40
50 mph	1,234.73	52.01	317.44	75.00	-	-	-	301.90	1,981.08
55 mph	685.96	28.89	176.35	41.67	-	-	-	150.95	1,083.83
60 mph	411.58	17.34	105.81	25.00	-	-	-	10,566.37	11,126.10
65 mph	137.19	5.78	35.27	8.33	-	-	-	-	186.58
70 mph	6,310.85	265.83	1,622.46	383.33	-	-	-	-	8,582.47
total	13,719.24	577.90	3,527.10	833.32	-	-	-	15,094.82	33,752.37

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	19.32	19.32
15 mph	301.10	12.68	77.41	24.85	-	-	-	94.17	510.22
25 mph	-	-	-	-	-	-	-	426.97	426.97
35 mph	6,105.97	257.20	1,569.79	165.57	-	-	-	-	8,098.53
total	6,407.07	269.89	1,647.20	190.42	-	-	-	521.15	9,035.72

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	19.32	19.32
10 mph	1,026.78	43.25	263.98	55.49	-	-	-	289.95	1,679.45
15 mph	794.13	33.45	204.16	52.05	-	-	-	190.83	1,274.62
20 mph	848.86	35.76	218.24	46.06	-	-	-	495.20	1,644.11
25 mph	3,832.74	161.45	985.36	205.30	-	-	-	2,018.46	7,203.30
30 mph	4,462.96	187.99	1,147.39	240.83	-	-	-	1,872.20	7,911.37
35 mph	10,543.21	444.11	2,710.57	410.34	-	-	-	1,340.62	15,448.85
40 mph	2,439.43	102.76	627.16	139.92	-	-	-	1,313.47	4,622.73
45 mph	1,987.13	83.70	510.87	113.82	-	-	-	990.40	3,685.93
50 mph	2,124.32	89.48	546.14	122.16	-	-	-	930.13	3,812.23
55 mph	1,397.63	58.87	359.32	79.39	-	-	-	295.93	2,191.14
60 mph	1,834.92	77.29	471.74	100.45	-	-	-	10,711.35	13,195.76
65 mph	315.11	13.27	81.01	17.76	-	-	-	-	427.16
70 mph	6,310.85	265.83	1,622.46	383.33	-	-	-	-	8,582.47
total	21,508.68	906.01	5,529.69	1,010.06	-	-	-	6,207.26	71,679.13

World Logistics Center
Mobile Emissions - 2035 Buildout (Project) - Unmitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	26957	330	0.21	5661.1	5300.2	62.8	298.1
	LDT1	15	1989	330	0.21	417.7	405.1	0.1	12.6
	LDT2	15	9954	330	0.21	2090.3	1994.2	19.4	76.6
	MDT	15	2999	330	0.21	629.8	585.4	19.7	24.7
	LHDT1	15	2635	330	0.21	553.3	269.5	283.8	0.0
	LHDT2	15	1267	330	0.21	266.0	78.3	187.7	0.0
	MHDT	15	4034	330	0.21	847.1	121.3	725.8	0.0
	HHDT	15	6726	330	0.21	1412.5	1.1	1317.9	93.5
Travel at Light Logistics	LDA	15	194	175	0.11	21.3	19.9	0.2	1.1
	LDT1	15	14	175	0.11	1.6	1.5	0.0	0.0
	LDT2	15	72	175	0.11	7.9	7.5	0.1	0.3
	MDT	15	18	175	0.11	2.0	1.9	0.1	0.1
	LHDT1	15	11	175	0.11	1.2	0.6	0.6	0.0
	LHDT2	15	5	175	0.11	0.6	0.2	0.4	0.0
	MHDT	15	13	175	0.11	1.4	0.2	1.2	0.0
	HHDT	15	22	175	0.11	2.4	0.0	2.2	0.2
Travel at Utility	LDA	15	219	100	0.06	13.1	12.3	0.1	0.7
	LDT1	15	16	100	0.06	1.0	0.9	0.0	0.0
	LDT2	15	81	100	0.06	4.9	4.6	0.0	0.2
	MDT	15	47	100	0.06	2.8	2.6	0.1	0.1
	LHDT1	15	7	100	0.06	0.4	0.2	0.2	0.0
	LHDT2	15	3	100	0.06	0.2	0.1	0.1	0.0
	MHDT	15	14	100	0.06	0.8	0.1	0.7	0.0
	HHDT	15	23	100	0.06	1.4	0.0	1.3	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	142	50	0.03	4.3	0.6	3.7	0.0
	HHDT	15	237	50	0.03	7.1	0.0	6.6	0.5
Travel at Convenience Store	LDA	15	669	50	0.03	20.1	18.8	0.2	1.1
	LDT1	15	49	50	0.03	1.5	1.4	0.0	0.0
	LDT2	15	247	50	0.03	7.4	7.1	0.1	0.3
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	95	50	0.03	2.8	2.7	0.0	0.1
	LDT1	15	7	50	0.03	0.2	0.2	0.0	0.0
	LDT2	15	35	50	0.03	1.1	1.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5353.9	409.2	2014.4	589.9	270.3	78.5	122.2	1.1
Diesel	63.4	0.1	19.6	19.8	284.6	188.3	731.4	1328.0
Electric/Natural Gas (HHDT Only)	301.1	12.7	77.4	24.9	0.0	0.0	0.0	94.2

World Logistics Center
Mobile Emissions - 2035 Buildout (Project) - Unmitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	1317	642	676	0	3208.2	3378.9	0.0
	LHDT2	5	633	186	447	0	932.0	2234.9	0.0
	MHDT	5	2017	289	1728	0	1444.0	8640.4	0.0
	HHDT	5	3363	3	3138	223	13.4	15689.2	1112.6
Travel at Light Logistics	LHDT1	5	5	3	3	0	12.9	13.6	0.0
	LHDT2	5	3	1	2	0	3.7	9.0	0.0
	MHDT	5	7	1	6	0	4.7	27.9	0.0
	HHDT	5	11	0	10	1	0.0	50.7	3.6
Travel at Utility	LHDT1	5	4	2	2	0	8.7	9.1	0.0
	LHDT2	5	2	1	1	0	2.5	6.0	0.0
	MHDT	5	7	1	6	0	4.9	29.1	0.0
	HHDT	5	11	0	11	1	0.0	52.8	3.7
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	71	10	61	0	50.9	304.6	0.0
	HHDT	5	119	0	111	8	0.5	553.2	39.2
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	53.8	15.6	25.1	0.3
Diesel	56.7	37.5	150.0	272.4
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	19.3

World Logistics Center
Mobile Emissions - 2035 Buildout (Project) - Unmitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					12.7986	12.9950	27.1841	10.4327
10 mph	0.0109	0.0198	0.0203	0.0225	0.0208	0.0183	0.0470	1.3118
15 mph	0.0072	0.0133	0.0136	0.0150	0.0136	0.0121	0.0313	0.8720
20 mph	0.0051	0.0094	0.0096	0.0106	0.0096	0.0085	0.0219	0.6104
25 mph	0.0037	0.0070	0.0071	0.0078	0.0071	0.0062	0.0162	0.4509
30 mph	0.0029	0.0054	0.0055	0.0061	0.0055	0.0049	0.0126	0.3512
35 mph	0.0024	0.0045	0.0045	0.0050	0.0045	0.0040	0.0103	0.2887
40 mph	0.0021	0.0039	0.0039	0.0044	0.0039	0.0035	0.0090	0.2507
45 mph	0.0019	0.0036	0.0036	0.0040	0.0036	0.0032	0.0082	0.2296
50 mph	0.0018	0.0034	0.0034	0.0038	0.0035	0.0031	0.0079	0.2216
55 mph	0.0019	0.0035	0.0035	0.0039	0.0035	0.0031	0.0080	0.2251
60 mph	0.0020	0.0036	0.0036	0.0041	0.0038	0.0033	0.0086	0.2405
65 mph	0.0022	0.0040	0.0040	0.0045	0.0043	0.0037		
70 mph	0.0024	0.0045	0.0042	0.0050	0.0048	0.0040		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5058	2.3642
10 mph	0.0681	0.2055	0.1974	0.0778	0.5591	0.5616	0.0338	0.0804
15 mph	0.0332	0.1062	0.0964	0.0381	0.2761	0.2780	0.0187	0.0448
20 mph	0.0130	0.0476	0.0375	0.0149	0.1114	0.1129	0.0127	0.0284
25 mph	0.0078	0.0307	0.0225	0.0090	0.0683	0.0695	0.0099	0.0231
30 mph	0.0059	0.0235	0.0170	0.0068	0.0522	0.0532	0.0080	0.0187
35 mph	0.0047	0.0187	0.0135	0.0054	0.0423	0.0431	0.0066	0.0154
40 mph	0.0039	0.0159	0.0111	0.0045	0.0354	0.0362	0.0057	0.0132
45 mph	0.0033	0.0141	0.0094	0.0038	0.0306	0.0313	0.0052	0.0122
50 mph	0.0029	0.0127	0.0082	0.0033	0.0272	0.0280	0.0052	0.0122
55 mph	0.0025	0.0121	0.0072	0.0029	0.0245	0.0253	0.0057	0.0135
60 mph	0.0024	0.0123	0.0068	0.0028	0.0238	0.0246	0.0067	0.0157
65 mph	0.0024	0.0124	0.0068	0.0028	0.0250	0.0260		
70 mph	0.0025	0.0089	0.0068	0.0029	0.0336	0.0343		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0407
10 mph								0.2888
15 mph								0.1877
20 mph								0.1254
25 mph								0.0923
30 mph								0.0696
35 mph								0.0526
40 mph								0.0401
45 mph								0.0308
50 mph								0.0241
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.3793	0.0528	0.2658	0.0555	0.0301	0.0077	0.0390	0.0101	0.8403
15 mph	0.1008	0.0142	0.0713	0.0148	0.0079	0.0020	0.0087	0.0022	0.2219
20 mph	0.1414	0.0201	0.1005	0.0209	0.0111	0.0029	0.0121	0.0031	0.3121
25 mph	0.5207	0.0744	0.3711	0.0774	0.0408	0.0105	0.0492	0.0127	1.1568
30 mph	0.4446	0.0638	0.3167	0.0664	0.0350	0.0090	0.0348	0.0090	0.9792
35 mph	0.2977	0.0428	0.2112	0.0446	0.0236	0.0061	0.0128	0.0033	0.6421
40 mph	0.0861	0.0124	0.0611	0.0129	0.0068	0.0018	0.0124	0.0032	0.1967
45 mph	0.0660	0.0095	0.0467	0.0099	0.0052	0.0013	0.0091	0.0024	0.1500
50 mph	0.0637	0.0091	0.0448	0.0095	0.0051	0.0013	0.0142	0.0037	0.1513
55 mph	0.0518	0.0074	0.0363	0.0077	0.0041	0.0010	0.0033	0.0009	0.1125
60 mph	0.1091	0.0154	0.0762	0.0161	0.0087	0.0022	0.0036	0.0009	0.2324
65 mph	0.0152	0.0021	0.0105	0.0022	0.0012	0.0003	-	-	0.0317
70 mph	-	-	-	-	-	-	-	-	-
total	2.2762	0.3240	1.6121	0.3379	0.1797	0.0461	0.1993	0.0516	5.0270

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0585	0.0081	0.0410	0.0098	0.0069	0.0018	-	-	0.1261
15 mph	0.0389	0.0055	0.0275	0.0065	0.0045	0.0012	-	-	0.0840
20 mph	0.0273	0.0039	0.0194	0.0046	0.0032	0.0008	0.0189	0.0049	0.0829
25 mph	0.0401	0.0057	0.0286	0.0068	0.0047	0.0012	0.0245	0.0063	0.1180
30 mph	0.0623	0.0089	0.0444	0.0107	0.0073	0.0019	0.0326	0.0084	0.1766
35 mph	0.1148	0.0165	0.0814	0.0197	0.0135	0.0035	0.0268	0.0069	0.2831
40 mph	0.1107	0.0159	0.0785	0.0190	0.0131	0.0034	0.0213	0.0055	0.2674
45 mph	0.0814	0.0117	0.0576	0.0139	0.0096	0.0025	0.0142	0.0037	0.1946
50 mph	0.0884	0.0127	0.0622	0.0151	0.0104	0.0027	0.0068	0.0018	0.2000
55 mph	0.0499	0.0071	0.0350	0.0085	0.0059	0.0015	0.0035	0.0009	0.1122
60 mph	0.0316	0.0045	0.0220	0.0053	0.0038	0.0010	0.2598	0.0674	0.3954
65 mph	0.0117	0.0016	0.0081	0.0020	0.0014	0.0004	-	-	0.0253
70 mph	0.5993	0.0856	0.3871	0.1002	0.0740	0.0175	-	-	1.2638
total	1.3148	0.1878	0.8928	0.2223	0.1583	0.0391	0.4084	0.1059	3.3293

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.5191	0.4481	1.5030	0.0071	3.4773
15 mph	0.0853	0.0120	0.0603	0.0195	0.0081	0.0021	0.0084	0.0022	0.1980
25 mph	-	-	-	-	0.0136	0.0035	0.0198	0.0051	0.0420
35 mph	0.5676	0.0816	0.4027	0.0435	-	-	-	-	1.0953
total	0.6529	0.0936	0.4630	0.0630	1.5408	0.4537	1.5312	0.0144	4.8125

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.5191	0.4481	1.5030	0.0071	3.4773
10 mph	0.4377	0.0609	0.3067	0.0653	0.0370	0.0095	0.0390	0.0101	0.9664
15 mph	0.2250	0.0316	0.1591	0.0409	0.0206	0.0053	0.0171	0.0044	0.5039
20 mph	0.1686	0.0239	0.1199	0.0255	0.0143	0.0037	0.0310	0.0080	0.3950
25 mph	0.5608	0.0801	0.3997	0.0842	0.0591	0.0152	0.0935	0.0242	1.3168
30 mph	0.5069	0.0728	0.3611	0.0770	0.0423	0.0109	0.0674	0.0175	1.1558
35 mph	0.9800	0.1410	0.6953	0.1077	0.0372	0.0095	0.0396	0.0103	2.0205
40 mph	0.1968	0.0284	0.1396	0.0319	0.0199	0.0051	0.0337	0.0087	0.4641
45 mph	0.1474	0.0212	0.1043	0.0238	0.0148	0.0038	0.0232	0.0060	0.3446
50 mph	0.1520	0.0218	0.1069	0.0246	0.0155	0.0040	0.0211	0.0055	0.3514
55 mph	0.1016	0.0145	0.0712	0.0162	0.0100	0.0025	0.0068	0.0018	0.2247
60 mph	0.1407	0.0199	0.0983	0.0215	0.0125	0.0032	0.2634	0.0684	0.6278
65 mph	0.0270	0.0038	0.0186	0.0042	0.0026	0.0007	-	-	0.0569
70 mph	0.5993	0.0856	0.3871	0.1002	0.0740	0.0175	-	-	1.2638
total	4.2439	0.6055	2.9678	0.6231	1.8788	0.5389	2.1389	0.1719	13.1689

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0281	0.0001	0.0252	0.0065	0.8519	0.5660	0.1676	0.7252	2.3706
15 mph	0.0055	0.0000	0.0049	0.0013	0.1683	0.1120	0.0310	0.1347	0.4577
20 mph	0.0043	0.0000	0.0038	0.0010	0.1358	0.0910	0.0419	0.1707	0.4486
25 mph	0.0129	0.0000	0.0115	0.0030	0.4161	0.2801	0.1808	0.7646	1.6691
30 mph	0.0108	0.0000	0.0096	0.0025	0.3503	0.2361	0.1329	0.5619	1.3040
35 mph	0.0070	0.0000	0.0062	0.0016	0.2318	0.1563	0.0492	0.2076	0.6598
40 mph	0.0019	0.0000	0.0017	0.0004	0.0648	0.0437	0.0469	0.1985	0.3580
45 mph	0.0014	0.0000	0.0012	0.0003	0.0467	0.0316	0.0345	0.1463	0.2619
50 mph	0.0012	0.0000	0.0010	0.0003	0.0415	0.0282	0.0563	0.2381	0.3666
55 mph	0.0008	0.0000	0.0007	0.0002	0.0298	0.0204	0.0143	0.0609	0.1271
60 mph	0.0016	0.0000	0.0014	0.0004	0.0579	0.0396	0.0167	0.0708	0.1884
65 mph	0.0002	0.0000	0.0002	0.0000	0.0076	0.0052	-	-	0.0133
70 mph	-	-	-	-	-	-	-	-	-
total	0.0757	0.0003	0.0675	0.0175	2.4024	1.6103	0.7722	3.2793	8.2251

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0043	0.0000	0.0039	0.0011	0.1954	0.1298	-	-	0.3346
15 mph	0.0021	0.0000	0.0019	0.0006	0.0965	0.0642	-	-	0.1653
20 mph	0.0008	0.0000	0.0007	0.0002	0.0389	0.0261	0.0655	0.2666	0.3989
25 mph	0.0010	0.0000	0.0009	0.0003	0.0477	0.0321	0.0899	0.3799	0.5518
30 mph	0.0015	0.0000	0.0013	0.0004	0.0730	0.0492	0.1245	0.5265	0.7766
35 mph	0.0027	0.0000	0.0024	0.0007	0.1329	0.0896	0.1025	0.4324	0.7632
40 mph	0.0025	0.0000	0.0022	0.0007	0.1238	0.0836	0.0806	0.3410	0.6343
45 mph	0.0017	0.0000	0.0015	0.0004	0.0856	0.0579	0.0539	0.2285	0.4295
50 mph	0.0016	0.0000	0.0014	0.0004	0.0857	0.0582	0.0271	0.1144	0.2888
55 mph	0.0008	0.0000	0.0007	0.0002	0.0427	0.0292	0.0148	0.0634	0.1519
60 mph	0.0005	0.0000	0.0004	0.0001	0.0249	0.0170	1.2158	5.1620	6.4207
65 mph	0.0002	0.0000	0.0001	0.0000	0.0087	0.0060	-	-	0.0151
70 mph	0.0073	0.0000	0.0061	0.0020	0.5395	0.3650	-	-	0.9200
total	0.0271	0.0001	0.0236	0.0072	1.4953	1.0080	1.7746	7.5148	11.8507

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3967	0.2624	0.1673	1.4202	2.2466
15 mph	0.0046	0.0000	0.0042	0.0017	0.1733	0.1154	0.0302	0.1312	0.4606
25 mph	-	-	-	-	0.1385	0.0932	0.0726	0.3071	0.6115
35 mph	0.0134	0.0001	0.0119	0.0016	-	-	-	-	0.0269
total	0.0180	0.0001	0.0160	0.0033	0.7085	0.4710	0.2702	1.8585	3.3455

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3967	0.2624	0.1673	1.4202	2.2466
10 mph	0.0324	0.0001	0.0291	0.0076	1.0473	0.6958	0.1676	0.7252	2.7052
15 mph	0.0122	0.0000	0.0110	0.0035	0.4380	0.2917	0.0612	0.2659	1.0836
20 mph	0.0051	0.0000	0.0046	0.0012	0.1747	0.1171	0.1074	0.4374	0.8475
25 mph	0.0139	0.0001	0.0124	0.0032	0.6024	0.4055	0.3433	1.4515	2.8323
30 mph	0.0123	0.0000	0.0109	0.0029	0.4233	0.2853	0.2575	1.0884	2.0806
35 mph	0.0231	0.0001	0.0205	0.0039	0.3646	0.2459	0.1517	0.6400	1.4499
40 mph	0.0044	0.0000	0.0039	0.0011	0.1885	0.1273	0.1276	0.5395	0.9924
45 mph	0.0031	0.0000	0.0027	0.0008	0.1322	0.0895	0.0884	0.3747	0.6914
50 mph	0.0028	0.0000	0.0025	0.0007	0.1271	0.0863	0.0834	0.3525	0.6554
55 mph	0.0016	0.0000	0.0014	0.0004	0.0726	0.0496	0.0291	0.1243	0.2791
60 mph	0.0020	0.0000	0.0018	0.0005	0.0828	0.0567	1.2325	5.2328	6.6091
65 mph	0.0004	0.0000	0.0003	0.0001	0.0163	0.0112	-	-	0.0283
70 mph	0.0073	0.0000	0.0061	0.0020	0.5395	0.3650	-	-	0.9200
total	0.1207	0.0004	0.1071	0.0279	4.6062	3.0893	2.8170	12.6526	23.4213

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1846	0.1846
15 mph								0.0400	0.0400
20 mph								0.0535	0.0535
25 mph								0.2165	0.2165
30 mph								0.1483	0.1483
35 mph								0.0505	0.0505
40 mph								0.0427	0.0427
45 mph								0.0263	0.0263
50 mph								0.0334	0.0334
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.7958	0.7958

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0835	0.0835
25 mph								0.1076	0.1076
30 mph								0.1390	0.1390
35 mph								0.1051	0.1051
40 mph								0.0733	0.0733
45 mph								0.0410	0.0410
50 mph								0.0161	0.0161
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.4352	0.4352

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0017	0.0017
15 mph								0.0390	0.0390
25 mph								0.0869	0.0869
35 mph								-	-
total	-	-	-	-	-	-	-	0.1277	0.1277

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0017	0.0017
10 mph								0.1846	0.1846
15 mph								0.0790	0.0790
20 mph								0.1370	0.1370
25 mph								0.4110	0.4110
30 mph								0.2873	0.2873
35 mph								0.1556	0.1556
40 mph								0.1160	0.1160
45 mph								0.0673	0.0673
50 mph								0.0495	0.0495
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.4891	1.4891

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3118	1.0760	0.5558	0.6031	1.0363	0.9837	0.5746	1.6235
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS + HOTSOAK Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	18.1072	4.7760	12.1451	3.7878	2.9522	0.8142	0.7624	0.0200
Electric/NG	-	-	-	-	-	-	-	-
Total	**18.1072**	**4.7760**	**12.1451**	**3.7878**	**2.9522**	**0.8142**	**0.7624**	**0.0200**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2366	0.4106	0.4414	0.6164	0.0551	0.0535	0.0484	0.0421
Electric/NG	0.0317	0.0314	0.0315	0.0315	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	6.8725	0.9112	4.8233	1.9356	0.0785	0.0221	0.0321	0.0003
Electric/NG	0.0517	0.0022	0.0132	0.0042	-	-	-	-
Total	6.9242	0.9134	4.8365	1.9398	0.0785	0.0221	0.0321	0.0003

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0893	0.1100	0.1284	0.1428	0.0540	0.0531	0.1521	0.0013
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5.1860	0.4884	2.8059	0.8970	0.1539	0.0440	0.2018	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	5.1860	0.4884	2.8059	0.8970	0.1539	0.0440	0.2018	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.9158	0.7105	1.6703	1.4291	5.7256
10 mph	0.4702	0.0610	0.3358	0.0729	1.0843	0.7053	0.2066	0.9200	3.8562
15 mph	0.2372	0.0317	0.1701	0.0444	0.4586	0.2970	0.0783	0.3493	1.6665
20 mph	0.1738	0.0239	0.1245	0.0267	0.1890	0.1208	0.1385	0.5824	1.3795
25 mph	0.5747	0.0802	0.4121	0.0875	0.6615	0.4207	0.4368	1.8867	4.5601
30 mph	0.5191	0.0728	0.3720	0.0799	0.4656	0.2962	0.3249	1.3932	3.5237
35 mph	1.0031	0.1411	0.7157	0.1116	0.4018	0.2554	0.1913	0.8059	3.6260
40 mph	0.2012	0.0284	0.1435	0.0330	0.2085	0.1324	0.1613	0.6642	1.5725
45 mph	0.1504	0.0212	0.1070	0.0246	0.1471	0.0933	0.1116	0.4481	1.1032
50 mph	0.1549	0.0218	0.1094	0.0253	0.1426	0.0903	0.1045	0.4075	1.0563
55 mph	0.1033	0.0145	0.0727	0.0166	0.0826	0.0521	0.0359	0.1261	0.5037
60 mph	0.1427	0.0199	0.1001	0.0220	0.0953	0.0599	1.4959	5.3012	7.2369
65 mph	0.0273	0.0038	0.0189	0.0043	0.0190	0.0119	-	-	0.0852
70 mph	0.6066	0.0856	0.3932	0.1022	0.6135	0.3825	-	-	2.1838
RL+HS	18.1072	4.7760	12.1451	3.7878	2.9522	0.8142	0.7624	0.0200	43.3648
RL+DIURN	6.9242	0.9134	4.8365	1.9398	0.0785	0.0221	0.0321	0.0003	14.7469
STREX	5.1860	0.4884	2.8059	0.8970	0.1539	0.0440	0.2018	0.0000	9.7769
total	34.5819	6.7837	22.8624	7.2756	9.6695	4.5084	5.9523	14.3339	**105.9677**

World Logistics Center
Mobile Emissions - 2035 Buildout (Project) - Unmitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.1149	1.1316	2.4126	26.9577
10 mph	0.0279	0.0402	0.0412	0.0453	0.0763	0.0818	0.1589	4.6871
15 mph	0.0245	0.0351	0.0360	0.0394	0.0662	0.0710	0.1405	4.1354
20 mph	0.0220	0.0314	0.0322	0.0352	0.0599	0.0643	0.1259	3.7102
25 mph	0.0201	0.0285	0.0291	0.0319	0.0544	0.0583	0.1149	3.3847
30 mph	0.0186	0.0264	0.0268	0.0295	0.0506	0.0543	0.1065	3.1388
35 mph	0.0176	0.0248	0.0251	0.0277	0.0480	0.0515	0.1000	2.9536
40 mph	0.0168	0.0237	0.0239	0.0265	0.0459	0.0493	0.0955	2.8195
45 mph	0.0162	0.0230	0.0232	0.0257	0.0445	0.0477	0.0925	2.7334
50 mph	0.0161	0.0228	0.0229	0.0255	0.0441	0.0471	0.0913	2.6999
55 mph	0.0162	0.0232	0.0234	0.0260	0.0446	0.0476	0.0920	2.7224
60 mph	0.0169	0.0243	0.0245	0.0272	0.0461	0.0494	0.0950	2.8093
65 mph	0.0177	0.0256	0.0256	0.0287	0.0486	0.0518		
70 mph	0.0187	0.0275	0.0256	0.0304	0.0541	0.0537		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					31.7626	32.4443	30.7549	28.3554
10 mph	0.0426	0.2174	0.1258	0.0483	0.3486	0.3772	5.3319	11.1101
15 mph	0.0288	0.1867	0.0842	0.0327	0.2640	0.2926	3.7303	7.5140
20 mph	0.0193	0.1647	0.0555	0.0219	0.2297	0.2579	2.9576	5.3358
25 mph	0.0149	0.1526	0.0422	0.0170	0.2083	0.2374	2.3051	4.3730
30 mph	0.0126	0.1436	0.0352	0.0145	0.2089	0.2384	1.7219	3.2689
35 mph	0.0111	0.1331	0.0305	0.0129	0.2190	0.2480	1.2554	2.4237
40 mph	0.0100	0.1322	0.0271	0.0117	0.2268	0.2563	0.9059	1.7565
45 mph	0.0092	0.1347	0.0246	0.0108	0.2349	0.2651	0.6741	1.3132
50 mph	0.0086	0.1330	0.0226	0.0102	0.2461	0.2780	0.5621	1.0718
55 mph	0.0081	0.1388	0.0211	0.0096	0.2394	0.2744	0.5687	1.0898
60 mph	0.0080	0.1451	0.0204	0.0094	0.2451	0.2797	0.6936	1.3139
65 mph	0.0080	0.1353	0.0205	0.0096	0.2715	0.3096		
70 mph	0.0087	0.0675	0.0208	0.0111	0.5731	0.5993		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								29.7310
10 mph								1.7921
15 mph								1.2992
20 mph								0.9835
25 mph								0.7999
30 mph								0.6903
35 mph								0.6149
40 mph								0.5604
45 mph								0.5201
50 mph								0.4903
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.9734	0.1071	0.5402	0.1118	0.1104	0.0344	0.1319	0.0361	2.0453
15 mph	0.3416	0.0374	0.1890	0.0389	0.0383	0.0119	0.0389	0.0106	0.7066
20 mph	0.6141	0.0670	0.3380	0.0695	0.0693	0.0216	0.0697	0.0190	1.2681
25 mph	2.7995	0.3040	1.5291	0.3149	0.3146	0.0980	0.3496	0.0955	5.8053
30 mph	2.8584	0.3094	1.5490	0.3201	0.3222	0.1005	0.2945	0.0805	5.8347
35 mph	2.2048	0.2381	1.1843	0.2461	0.2497	0.0780	0.1245	0.0341	4.3597
40 mph	0.7022	0.0758	0.3766	0.0784	0.0796	0.0248	0.1321	0.0362	1.5058
45 mph	0.5665	0.0613	0.3043	0.0634	0.0644	0.0201	0.1024	0.0280	1.2103
50 mph	0.5600	0.0608	0.3006	0.0629	0.0638	0.0198	0.1641	0.0450	1.2770
55 mph	0.4532	0.0495	0.2452	0.0513	0.0517	0.0160	0.0382	0.0105	0.9156
60 mph	0.9423	0.1037	0.5143	0.1075	0.1068	0.0332	0.0394	0.0108	1.8581
65 mph	0.1233	0.0136	0.0672	0.0142	0.0140	0.0044	-	-	0.2366
70 mph	-	-	-	-	-	-	-	-	-
total	13.1394	1.4277	7.1378	1.4790	1.4850	0.4626	1.4852	0.4063	27.0231

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1501	0.0165	0.0833	0.0198	0.0253	0.0079	-	-	0.3029
15 mph	0.1317	0.0144	0.0729	0.0172	0.0220	0.0068	-	-	0.2650
20 mph	0.1184	0.0129	0.0652	0.0154	0.0199	0.0062	0.1088	0.0297	0.3764
25 mph	0.2159	0.0234	0.1179	0.0278	0.0361	0.0112	0.1737	0.0475	0.6536
30 mph	0.4007	0.0434	0.2172	0.0514	0.0672	0.0210	0.2760	0.0754	1.1523
35 mph	0.8501	0.0918	0.4566	0.1087	0.1432	0.0447	0.2593	0.0710	2.0254
40 mph	0.9025	0.0974	0.4840	0.1154	0.1522	0.0475	0.2269	0.0621	2.0880
45 mph	0.6989	0.0756	0.3754	0.0896	0.1182	0.0368	0.1599	0.0438	1.5982
50 mph	0.7773	0.0844	0.4172	0.1000	0.1318	0.0408	0.0789	0.0216	1.6519
55 mph	0.4369	0.0477	0.2363	0.0567	0.0740	0.0229	0.0398	0.0109	0.9252
60 mph	0.2725	0.0300	0.1487	0.0356	0.0459	0.0143	2.8734	0.7878	4.2082
65 mph	0.0950	0.0105	0.0518	0.0125	0.0161	0.0050	-	-	0.1910
70 mph	4.6157	0.5193	2.3866	0.6099	0.8249	0.2382	-	-	9.1946
total	9.6657	1.0674	5.1130	1.2600	1.6767	0.5033	4.1967	1.1498	24.6327

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1323	0.0390	0.1334	0.0184	0.3231
15 mph	0.2890	0.0317	0.1600	0.0512	0.0395	0.0123	0.0379	0.0103	0.6318
25 mph	-	-	-	-	0.1047	0.0326	0.1404	0.0384	0.3161
35 mph	4.2037	0.4540	2.2581	0.2400	-	-	-	-	7.1558
total	4.4928	0.4856	2.4180	0.2913	0.2765	0.0839	0.3117	0.0671	8.4269

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1323	0.0390	0.1334	0.0184	0.3231
10 mph	1.1236	0.1236	0.6235	0.1316	0.1357	0.0422	0.1319	0.0361	2.3483
15 mph	0.7623	0.0835	0.4219	0.1073	0.0998	0.0311	0.0767	0.0209	1.6035
20 mph	0.7324	0.0799	0.4031	0.0849	0.0892	0.0278	0.1785	0.0488	1.6445
25 mph	3.0154	0.3274	1.6470	0.3427	0.4554	0.1419	0.6638	0.1813	6.7750
30 mph	3.2592	0.3528	1.7662	0.3715	0.3894	0.1215	0.5704	0.1559	6.9869
35 mph	7.2586	0.7839	3.8990	0.5949	0.3929	0.1226	0.3838	0.1051	13.5409
40 mph	1.6047	0.1733	0.8606	0.1938	0.2318	0.0723	0.3590	0.0983	3.5938
45 mph	1.2653	0.1369	0.6797	0.1530	0.1826	0.0569	0.2622	0.0718	2.8085
50 mph	1.3374	0.1451	0.7178	0.1628	0.1956	0.0606	0.2430	0.0666	2.9290
55 mph	0.8901	0.0972	0.4815	0.1080	0.1257	0.0389	0.0780	0.0214	1.8408
60 mph	1.2148	0.1336	0.6630	0.1432	0.1527	0.0475	2.9129	0.7986	6.0663
65 mph	0.2183	0.0242	0.1189	0.0267	0.0302	0.0093	-	-	0.4276
70 mph	4.6157	0.5193	2.3866	0.6099	0.8249	0.2382	-	-	9.1946
total	27.2979	2.9808	14.6688	3.0303	3.4382	1.0499	5.9936	1.6232	60.0827

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0176	0.0001	0.0161	0.0040	0.5312	0.3801	26.4745	100.1689	127.5925
15 mph	0.0047	0.0000	0.0043	0.0011	0.1609	0.1180	6.1741	22.5820	29.0450
20 mph	0.0064	0.0001	0.0057	0.0015	0.2799	0.2079	9.7904	32.0714	42.3632
25 mph	0.0246	0.0002	0.0216	0.0056	1.2693	0.9570	41.9669	144.5669	188.8121
30 mph	0.0229	0.0002	0.0198	0.0053	1.4002	1.0573	28.4989	98.2404	129.2450
35 mph	0.0165	0.0002	0.0140	0.0038	1.2013	0.8997	9.3501	32.7778	44.2634
40 mph	0.0049	0.0001	0.0042	0.0012	0.4146	0.3099	7.4967	26.3942	34.6257
45 mph	0.0038	0.0001	0.0031	0.0009	0.3579	0.2672	4.4629	15.7865	20.8823
50 mph	0.0036	0.0001	0.0029	0.0008	0.3750	0.2802	6.0470	20.9379	27.6474
55 mph	0.0027	0.0000	0.0022	0.0006	0.2918	0.2212	1.4120	4.9127	6.8432
60 mph	0.0053	0.0001	0.0042	0.0013	0.5975	0.4510	1.7221	5.9229	8.7042
65 mph	0.0007	0.0000	0.0005	0.0002	0.0827	0.0624	-	-	0.1465
70 mph	-	-	-	-	-	-	-	-	-
total	0.1135	0.0012	0.0984	0.0263	6.9623	5.2117	143.3956	504.3615	660.1705

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0027	0.0000	0.0025	0.0007	0.1218	0.0872	-	-	0.2149
15 mph	0.0018	0.0000	0.0017	0.0005	0.0922	0.0676	-	-	0.1638
20 mph	0.0012	0.0000	0.0011	0.0003	0.0803	0.0596	15.2905	50.0886	65.5215
25 mph	0.0019	0.0000	0.0017	0.0005	0.1455	0.1097	20.8547	71.8397	92.9537
30 mph	0.0032	0.0000	0.0028	0.0009	0.2919	0.2204	26.7054	92.0581	119.2827
35 mph	0.0063	0.0001	0.0054	0.0017	0.6888	0.5158	19.4705	68.2556	88.9442
40 mph	0.0064	0.0001	0.0053	0.0017	0.7924	0.5923	12.8790	45.3441	59.6213
45 mph	0.0047	0.0001	0.0039	0.0013	0.6566	0.4902	6.9701	24.6550	32.7818
50 mph	0.0049	0.0001	0.0040	0.0013	0.7740	0.5783	2.9059	10.0617	14.3302
55 mph	0.0026	0.0000	0.0021	0.0007	0.4182	0.3170	1.4702	5.1151	7.3259
60 mph	0.0015	0.0000	0.0012	0.0004	0.2569	0.1939	125.5093	431.6794	557.6427
65 mph	0.0005	0.0000	0.0004	0.0001	0.0949	0.0715	-	-	0.1675
70 mph	0.0254	0.0002	0.0188	0.0075	9.2114	6.3714	-	-	15.6347
total	0.0632	0.0006	0.0508	0.0176	13.6247	9.6751	232.0555	799.0973	1,054.5849

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.9707	2.6827	10.1745	17.0335	33.8613
15 mph	0.0040	0.0000	0.0036	0.0014	0.1657	0.1215	6.0158	22.0032	28.3154
25 mph	-	-	-	-	0.4226	0.3186	16.8542	58.0591	75.6544
35 mph	0.0314	0.0004	0.0267	0.0038	-	-	-	-	0.0622
total	0.0354	0.0004	0.0304	0.0052	4.5589	3.1227	33.0446	97.0958	137.8933

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.9707	2.6827	10.1745	17.0335	33.8613
10 mph	0.0203	0.0001	0.0185	0.0047	0.6530	0.4673	26.4745	100.1689	127.8074
15 mph	0.0106	0.0001	0.0096	0.0030	0.4188	0.3071	12.1899	44.5852	57.5242
20 mph	0.0076	0.0001	0.0068	0.0018	0.3602	0.2675	25.0809	82.1600	107.8847
25 mph	0.0265	0.0003	0.0232	0.0061	1.8374	1.3853	79.6758	274.4658	357.4203
30 mph	0.0261	0.0003	0.0225	0.0061	1.6921	1.2777	55.2043	190.2985	248.5277
35 mph	0.0542	0.0006	0.0461	0.0093	1.8901	1.4155	28.8206	101.0334	133.2698
40 mph	0.0113	0.0001	0.0095	0.0029	1.2070	0.9022	20.3757	71.7383	94.2470
45 mph	0.0085	0.0001	0.0070	0.0022	1.0144	0.7574	11.4331	40.4415	53.6642
50 mph	0.0085	0.0001	0.0069	0.0022	1.1489	0.8585	8.9529	30.9995	41.9776
55 mph	0.0053	0.0001	0.0042	0.0013	0.7100	0.5382	2.8822	10.0278	14.1691
60 mph	0.0068	0.0001	0.0054	0.0017	0.8544	0.6449	127.2314	437.6023	566.3469
65 mph	0.0012	0.0000	0.0009	0.0003	0.1776	0.1339	-	-	0.3139
70 mph	0.0254	0.0002	0.0188	0.0075	9.2114	6.3714	-	-	15.6347
total	0.2121	0.0022	0.1796	0.0491	25.1459	18.0095	408.4957	1,400.5546	1,852.6488

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1.1458	1.1458
15 mph								0.2769	0.2769
20 mph								0.4192	0.4192
25 mph								1.8752	1.8752
30 mph								1.4712	1.4712
35 mph								0.5897	0.5897
40 mph								0.5972	0.5972
45 mph								0.4434	0.4434
50 mph								0.6791	0.6791
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	7.4978	7.4978

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.6547	0.6547
25 mph								0.9319	0.9319
30 mph								1.3786	1.3786
35 mph								1.2280	1.2280
40 mph								1.0259	1.0259
45 mph								0.6925	0.6925
50 mph								0.3264	0.3264
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	4.1932	4.1932

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.2665	1.2665
15 mph								0.2698	0.2698
25 mph								0.7531	0.7531
35 mph								-	-
total	-	-	-	-	-	-	-	2.2894	2.2894

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.2665	1.2665
10 mph								1.1458	1.1458
15 mph								0.5467	0.5467
20 mph								1.0739	1.0739
25 mph								3.5602	3.5602
30 mph								2.8498	2.8498
35 mph								1.8178	1.8178
40 mph								1.6231	1.6231
45 mph								1.1358	1.1358
50 mph								1.0055	1.0055
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	16.0251	16.0251

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	4.1030	2.7217	10.3079	18.3184	35.4510
10 mph	1.1438	0.1237	0.6421	0.1363	0.7888	0.5095	26.6063	101.3508	131.3014
15 mph	0.7729	0.0836	0.4315	0.1103	0.5186	0.3381	12.2666	45.1528	59.6744
20 mph	0.7400	0.0799	0.4099	0.0866	0.4494	0.2953	25.2593	83.2826	110.6031
25 mph	3.0419	0.3277	1.6702	0.3489	2.2928	1.5272	80.3396	278.2073	367.7555
30 mph	3.2852	0.3531	1.7887	0.3777	2.0815	1.3991	55.7748	193.3043	258.3644
35 mph	7.3128	0.7845	3.9451	0.6042	2.2830	1.5382	29.2044	102.9562	148.6284
40 mph	1.6160	0.1734	0.8700	0.1967	1.4388	0.9745	20.7348	73.4597	99.4639
45 mph	1.2738	0.1371	0.6867	0.1552	1.1970	0.8143	11.6953	41.6492	57.6085
50 mph	1.3459	0.1453	0.7247	0.1650	1.3445	0.9191	9.1959	32.0717	45.9121
55 mph	0.8954	0.0973	0.4857	0.1093	0.8357	0.5772	2.9601	10.0492	16.0099
60 mph	1.2216	0.1338	0.6684	0.1448	1.0071	0.6924	130.1442	438.4009	572.4132
65 mph	0.2195	0.0242	0.1199	0.0270	0.2077	0.1433	-	-	0.7415
70 mph	4.6411	0.5195	2.4054	0.6174	10.0363	6.6096	-	-	24.8293
STREX	6.7026	0.5888	2.9396	0.9272	0.9240	0.2787	17.5790	35.4510	65.3908
total	34.2126	3.5718	17.7880	4.0066	29.5081	19.3381	432.0683	1,453.6540	**1,994.1474**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1154	0.1326	0.1345	0.1476	0.3243	0.3368	0.3223	0.0062
Diesel	-	-	-	-	-	-	2.1602	2.4590
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	6.7026	0.5888	2.9396	0.9272	0.9240	0.2787	0.4276	0.0001
Diesel	-	-	-	-	-	-	17.1514	35.4509
Electric/NG	-	-	-	-	-	-	-	-
Total	6.7026	0.5888	2.9396	0.9272	0.9240	0.2787	17.5790	35.4510

World Logistics Center
Mobile Emissions - 2035 Buildout (Project) - Unmitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					155.0597	155.1653	388.1149	271.5252
10 mph	0.6890	0.8196	0.8726	0.8904	0.2686	0.2354	0.4073	49.4286
15 mph	0.6280	0.7450	0.7947	0.8095	0.2427	0.2142	0.3735	45.1999
20 mph	0.5753	0.6809	0.7268	0.7407	0.2231	0.1963	0.3414	41.3728
25 mph	0.5280	0.6235	0.6656	0.6788	0.2039	0.1798	0.3137	37.9859
30 mph	0.4862	0.5729	0.6113	0.6244	0.1876	0.1653	0.2882	34.9459
35 mph	0.4494	0.5283	0.5632	0.5765	0.1735	0.1525	0.2654	32.2441
40 mph	0.4166	0.4899	0.5221	0.5346	0.1609	0.1413	0.2459	29.8775
45 mph	0.3887	0.4572	0.4870	0.4986	0.1497	0.1313	0.2282	27.7545
50 mph	0.3623	0.4266	0.4536	0.4649	0.1394	0.1219	0.2120	25.8237
55 mph	0.3369	0.3968	0.4219	0.4327	0.1298	0.1134	0.1973	24.0431
60 mph	0.3081	0.3638	0.3866	0.3962	0.1202	0.1052	0.1837	22.3750
65 mph	0.2856	0.3383	0.3584	0.3678	0.1122	0.0979		
70 mph	0.2809	0.3373	0.3473	0.3627	0.1133	0.0926		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	21.1124	34.8604
10 mph	2.0310	2.0751	2.0064	2.2741	2.5048	2.5323	0.4929	1.3268
15 mph	0.9903	1.0634	0.9792	1.1107	1.2371	1.2526	0.2669	0.7194
20 mph	0.3856	0.4685	0.3809	0.4324	0.5019	0.5108	0.1784	0.4495
25 mph	0.2319	0.3026	0.2286	0.2601	0.3094	0.3160	0.1363	0.3544
30 mph	0.1755	0.2341	0.1727	0.1969	0.2386	0.2441	0.1046	0.2722
35 mph	0.1398	0.1891	0.1373	0.1570	0.1952	0.1998	0.0789	0.2048
40 mph	0.1154	0.1632	0.1132	0.1296	0.1659	0.1702	0.0592	0.1542
45 mph	0.0979	0.1480	0.0959	0.1099	0.1462	0.1503	0.0454	0.1187
50 mph	0.0848	0.1376	0.0829	0.0953	0.1336	0.1379	0.0377	0.0982
55 mph	0.0746	0.1371	0.0729	0.0838	0.1236	0.1285	0.0359	0.0948
60 mph	0.0704	0.1476	0.0687	0.0792	0.1250	0.1304	0.0401	0.1051
65 mph	0.0708	0.1571	0.0687	0.0798	0.1397	0.1468		
70 mph	0.0729	0.1065	0.0688	0.0824	0.2247	0.2291		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								34.3791
10 mph								36.1157
15 mph								25.4330
20 mph								18.3972
25 mph								13.4834
30 mph								9.9379
35 mph								7.3251
40 mph								5.3997
45 mph								3.9810
50 mph								2.9356
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	24.0313	2.1846	11.4517	2.1977	0.3886	0.0989	0.3379	0.3803	41.0711
15 mph	8.7613	0.7944	4.1718	0.7992	0.1404	0.0360	0.1033	0.1159	14.9223
20 mph	16.0520	1.4520	7.6304	1.4625	0.2582	0.0660	0.1889	0.2122	27.3222
25 mph	73.6590	6.6483	34.9384	6.7016	1.1796	0.3023	0.9543	1.0717	125.4553
30 mph	74.6187	6.7195	35.2986	6.7811	1.1938	0.3056	0.7971	0.8963	126.6107
35 mph	56.4225	5.0699	26.6073	5.1226	0.9036	0.2308	0.3303	0.3722	95.0593
40 mph	17.4370	1.5671	8.2212	1.5832	0.2793	0.0713	0.3401	0.3832	29.8824
45 mph	13.5568	1.2187	6.3903	1.2307	0.2165	0.0552	0.2525	0.2848	23.2055
50 mph	12.6373	1.1371	5.9527	1.1475	0.2017	0.0512	0.3812	0.4305	21.9393
55 mph	9.4012	0.8462	4.4293	0.8543	0.1502	0.0381	0.0819	0.0925	15.8937
60 mph	17.1921	1.5515	8.1180	1.5644	0.2783	0.0707	0.0762	0.0861	28.9373
65 mph	1.9920	0.1804	0.9407	0.1816	0.0325	0.0082	-	-	3.3353
70 mph	-	-	-	-	-	-	-	-	-
total	325.7611	29.3697	154.1503	29.6263	5.2228	1.3345	3.8439	4.3258	553.6345

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	3.7061	0.3369	1.7661	0.3884	0.0891	0.0227	-	-	6.3093
15 mph	3.3779	0.3063	1.6084	0.3531	0.0805	0.0206	-	-	5.7468
20 mph	3.0944	0.2799	1.4710	0.3230	0.0740	0.0189	0.2950	0.3315	5.8877
25 mph	5.6798	0.5127	2.6941	0.5921	0.1353	0.0347	0.4742	0.5326	10.6555
30 mph	10.4615	0.9421	4.9489	1.0893	0.2489	0.0637	0.7470	0.8399	19.3413
35 mph	21.7537	1.9547	10.2584	2.2630	0.5181	0.1323	0.6879	0.7750	38.3432
40 mph	22.4094	2.0140	10.5656	2.3314	0.5338	0.1362	0.5843	0.6583	39.2331
45 mph	16.7258	1.5036	7.8841	1.7398	0.3972	0.1012	0.3944	0.4447	29.1909
50 mph	17.5403	1.5783	8.2622	1.8249	0.4163	0.1057	0.1832	0.2069	30.1179
55 mph	9.0616	0.8157	4.2693	0.9435	0.2153	0.0547	0.0852	0.0963	15.5416
60 mph	4.9713	0.4486	2.3474	0.5183	0.1196	0.0304	5.5535	6.2742	20.2635
65 mph	1.5360	0.1391	0.7254	0.1604	0.0372	0.0094	-	-	2.6076
70 mph	69.4969	6.3782	32.3310	7.2772	1.7293	0.4106	-	-	117.6231
total	189.8149	17.2100	89.1320	19.8046	4.5947	1.1412	9.0047	10.1594	340.8615

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	18.4044	5.3504	21.4581	0.1854	45.3983
15 mph	7.4136	0.6722	3.5301	1.0529	0.1446	0.0371	0.1007	0.1130	13.0642
25 mph	-	-	-	-	0.3927	0.1006	0.3833	0.4304	1.3070
35 mph	107.5760	9.6664	50.7298	4.9959	-	-	-	-	172.9681
total	114.9897	10.3385	54.2599	6.0488	18.9417	5.4882	21.9420	0.7288	232.7377

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	18.4044	5.3504	21.4581	0.1854	45.3983
10 mph	27.7374	2.5215	13.2177	2.5860	0.4777	0.1216	0.3379	0.3803	47.3803
15 mph	19.5528	1.7728	9.3104	2.2052	0.3656	0.0937	0.2040	0.2289	33.7334
20 mph	19.1464	1.7319	9.1014	1.7855	0.3322	0.0849	0.4839	0.5437	33.2099
25 mph	79.3389	7.1610	37.6325	7.2937	1.7076	0.4376	1.8118	2.0348	137.4178
30 mph	85.0802	7.6615	40.2475	7.8704	1.4427	0.3693	1.5441	1.7363	145.9521
35 mph	185.7523	16.6910	87.5955	12.3815	1.4217	0.3631	1.0182	1.1472	306.3706
40 mph	39.8464	3.5811	18.7868	3.9147	0.8132	0.2075	0.9244	1.0414	69.1155
45 mph	30.2826	2.7224	14.2744	2.9705	0.6137	0.1564	0.6469	0.7295	52.3964
50 mph	30.1777	2.7155	14.2149	2.9723	0.6180	0.1570	0.5645	0.6374	52.0572
55 mph	18.4627	1.6619	8.6987	1.7978	0.3655	0.0928	0.1671	0.1888	31.4353
60 mph	22.1635	2.0001	10.4654	2.0828	0.3979	0.1011	5.6297	6.3603	49.2008
65 mph	3.5280	0.3194	1.6660	0.3420	0.0697	0.0177	-	-	5.9429
70 mph	69.4969	6.3782	32.3310	7.2772	1.7293	0.4106	-	-	117.6231
total	630.5657	56.9183	297.5422	55.4797	28.7592	7.9639	34.7906	15.2140	1,127.2337

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.8387	0.0008	0.2563	0.1889	3.8164	2.5520	2.4473	11.9621	22.0624
15 mph	0.1636	0.0002	0.0500	0.0369	0.7540	0.5049	0.4418	2.1619	4.1132
20 mph	0.1274	0.0001	0.0389	0.0287	0.6118	0.4118	0.5904	2.7020	4.5113
25 mph	0.3830	0.0005	0.1168	0.0864	1.8857	1.2740	2.4816	11.7175	17.9454
30 mph	0.3188	0.0004	0.0971	0.0720	1.5994	1.0823	1.7315	8.1795	13.0808
35 mph	0.2079	0.0003	0.0631	0.0469	1.0705	0.7250	0.5877	2.7699	5.4713
40 mph	0.0572	0.0001	0.0174	0.0129	0.3034	0.2058	0.4897	2.3170	3.4033
45 mph	0.0404	0.0001	0.0122	0.0091	0.2227	0.1515	0.3006	1.4272	2.1639
50 mph	0.0350	0.0001	0.0106	0.0079	0.2035	0.1390	0.4052	1.9183	2.7196
55 mph	0.0247	0.0000	0.0074	0.0056	0.1506	0.1036	0.0891	0.4272	0.8082
60 mph	0.0465	0.0001	0.0140	0.0105	0.3047	0.2102	0.0995	0.4738	1.1594
65 mph	0.0058	0.0000	0.0018	0.0013	0.0426	0.0296	-	-	0.0811
70 mph	-	-	-	-	-	-	-	-	-
total	2.2489	0.0026	0.6857	0.5072	10.9651	7.3895	9.6644	46.0565	77.5199

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1293	0.0001	0.0395	0.0334	0.8752	0.5852	-	-	1.6628
15 mph	0.0631	0.0001	0.0193	0.0163	0.4323	0.2895	-	-	0.8205
20 mph	0.0246	0.0000	0.0075	0.0063	0.1754	0.1180	0.9221	4.2200	5.4740
25 mph	0.0295	0.0000	0.0090	0.0076	0.2162	0.1461	1.2332	5.8228	7.4645
30 mph	0.0447	0.0001	0.0136	0.0116	0.3334	0.2256	1.6225	7.6648	9.9163
35 mph	0.0802	0.0001	0.0243	0.0207	0.6137	0.4156	1.2238	5.7681	8.1466
40 mph	0.0735	0.0001	0.0223	0.0190	0.5798	0.3933	0.8412	3.9804	5.9097
45 mph	0.0499	0.0001	0.0151	0.0129	0.4086	0.2779	0.4695	2.2290	3.4630
50 mph	0.0486	0.0001	0.0147	0.0126	0.4201	0.2868	0.1947	0.9219	1.8995
55 mph	0.0238	0.0000	0.0072	0.0062	0.2159	0.1485	0.0928	0.4448	0.9390
60 mph	0.0135	0.0000	0.0041	0.0035	0.1310	0.0904	7.2550	34.5306	42.0280
65 mph	0.0045	0.0000	0.0014	0.0012	0.0488	0.0339	-	-	0.0898
70 mph	0.2137	0.0003	0.0624	0.0556	3.6121	2.4361	-	-	6.3801
total	0.7987	0.0010	0.2403	0.2069	8.0625	5.4470	13.8549	65.5822	94.1936

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.2878	2.1746	6.9845	20.9411	33.3881
15 mph	0.1384	0.0001	0.0423	0.0486	0.7765	0.5200	0.4305	2.1065	4.0629
25 mph	-	-	-	-	0.6278	0.4241	0.9966	4.7058	6.7543
35 mph	0.3964	0.0005	0.1204	0.0458	-	-	-	-	0.5631
total	0.5348	0.0007	0.1627	0.0944	4.6920	3.1187	8.4116	27.7535	44.7684

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.2878	2.1746	6.9845	20.9411	33.3881
10 mph	0.9680	0.0009	0.2958	0.2222	4.6916	3.1372	2.4473	11.9621	23.7252
15 mph	0.3651	0.0004	0.1117	0.1018	1.9627	1.3144	0.8722	4.2684	8.9966
20 mph	0.1520	0.0002	0.0464	0.0351	0.7872	0.5299	1.5125	6.9220	9.9852
25 mph	0.4125	0.0005	0.1258	0.0940	2.7296	1.8441	4.7114	22.2462	32.1642
30 mph	0.3635	0.0005	0.1107	0.0835	1.9328	1.3079	3.3540	15.8443	22.9971
35 mph	0.6844	0.0009	0.2079	0.1135	1.6842	1.1406	1.8115	8.5380	14.1810
40 mph	0.1307	0.0002	0.0397	0.0319	0.8831	0.5991	1.3309	6.2974	9.3130
45 mph	0.0903	0.0001	0.0274	0.0220	0.6313	0.4294	0.7702	3.6562	5.6269
50 mph	0.0836	0.0001	0.0253	0.0205	0.6236	0.4258	0.5999	2.8402	4.6191
55 mph	0.0484	0.0001	0.0146	0.0117	0.3665	0.2520	0.1819	0.8719	1.7472
60 mph	0.0600	0.0001	0.0181	0.0140	0.4357	0.3006	7.3546	35.0043	43.1874
65 mph	0.0104	0.0000	0.0031	0.0025	0.0914	0.0635	-	-	0.1709
70 mph	0.2137	0.0003	0.0624	0.0556	3.6121	2.4361	-	-	6.3801
total	3.5824	0.0043	1.0887	0.8085	23.7196	15.9552	31.9310	139.3922	216.4819

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								23.0905	23.0905
15 mph								5.4202	5.4202
20 mph								7.8415	7.8415
25 mph								31.6088	31.6088
30 mph								21.1792	21.1792
35 mph								7.0249	7.0249
40 mph								5.7538	5.7538
45 mph								3.3936	3.3936
50 mph								4.0665	4.0665
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	109.3791	109.3791

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								12.2467	12.2467
25 mph								15.7074	15.7074
30 mph								19.8464	19.8464
35 mph								14.6286	14.6286
40 mph								9.8849	9.8849
45 mph								5.3001	5.3001
50 mph								1.9542	1.9542
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	62.4290	62.4290

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.4645	1.4645
15 mph								5.2813	5.2813
25 mph								12.6943	12.6943
35 mph								-	-
total	-	-	-	-	-	-	-	19.4401	19.4401

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.4645	1.4645
10 mph								23.0905	23.0905
15 mph								10.7015	10.7015
20 mph								20.0882	20.0882
25 mph								60.0105	60.0105
30 mph								41.0256	41.0256
35 mph								21.6535	21.6535
40 mph								15.6387	15.6387
45 mph								8.6937	8.6937
50 mph								6.0207	6.0207
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	208.3873	208.3873

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	21.6922	7.5251	28.4426	22.5910	80.2509
10 mph	28.7054	2.5225	13.5135	2.8083	5.1693	3.2589	2.7852	35.4329	94.1960
15 mph	19.9179	1.7732	9.4220	2.3070	2.3282	1.4081	1.0762	15.1987	53.4314
20 mph	19.2984	1.7321	9.1478	1.8206	1.1194	0.6148	1.9964	27.5539	63.2833
25 mph	79.7514	7.1615	37.7583	7.3877	4.4372	2.2818	6.5232	84.2914	229.5926
30 mph	85.4437	7.6620	40.3581	7.9539	3.3755	1.6772	4.8981	58.6061	209.9748
35 mph	186.4367	16.6919	87.8034	12.4950	3.1059	1.5037	2.8298	31.3387	342.2050
40 mph	39.9771	3.5812	18.8265	3.9466	1.6963	0.8066	2.2553	22.9775	94.0672
45 mph	30.3728	2.7225	14.3018	2.9926	1.2451	0.5857	1.4170	13.0794	66.7170
50 mph	30.2613	2.7156	14.2402	2.9928	1.2416	0.5828	1.1643	9.4983	62.6970
55 mph	18.5112	1.6620	8.7133	1.8095	0.7320	0.3448	0.3490	1.0607	33.1825
60 mph	22.2235	2.0002	10.4835	2.0968	0.8336	0.4017	12.9843	41.3646	92.3882
65 mph	3.5384	0.3195	1.6692	0.3445	0.1611	0.0812	-	-	6.1138
70 mph	69.7105	6.3785	32.3934	7.3328	5.3414	2.8466	-	-	124.0032
STREX	86.8509	6.9793	42.7338	12.7360	4.0323	1.1392	3.9611	0.0587	158.4912
total	720.9990	63.9018	341.3647	69.0242	56.5111	25.0583	70.6827	363.0521	**1,710.5941**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.4953	1.5723	1.9555	2.0280	1.4155	1.3765	2.9853	4.7701
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	86.8509	6.9793	42.7338	12.7360	4.0323	1.1392	3.9611	0.0587
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	86.8509	6.9793	42.7338	12.7360	4.0323	1.1392	3.9611	0.0587

World Logistics Center
Mobile Emissions - 2035 Buildout (Project) - Unmitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0493	0.0493	0.1240	0.1877
10 mph	0.0039	0.0046	0.0045	0.0056	0.0128	0.0148	0.0262	0.0305
15 mph	0.0032	0.0037	0.0037	0.0045	0.0105	0.0121	0.0215	0.0251
20 mph	0.0026	0.0031	0.0031	0.0038	0.0087	0.0101	0.0178	0.0209
25 mph	0.0023	0.0027	0.0026	0.0032	0.0075	0.0086	0.0153	0.0179
30 mph	0.0020	0.0024	0.0023	0.0029	0.0066	0.0076	0.0136	0.0159
35 mph	0.0019	0.0022	0.0022	0.0027	0.0061	0.0071	0.0126	0.0147
40 mph	0.0018	0.0021	0.0021	0.0026	0.0059	0.0069	0.0122	0.0142
45 mph	0.0018	0.0021	0.0021	0.0026	0.0060	0.0069	0.0122	0.0142
50 mph	0.0019	0.0022	0.0022	0.0027	0.0061	0.0071	0.0126	0.0146
55 mph	0.0019	0.0023	0.0023	0.0028	0.0064	0.0074	0.0131	0.0152
60 mph	0.0020	0.0023	0.0023	0.0029	0.0066	0.0077	0.0136	0.0157
65 mph	0.0020	0.0024	0.0024	0.0029	0.0068	0.0079		
70 mph	0.0021	0.0024	0.0024	0.0030	0.0069	0.0080		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0306	0.0496	0.0513	0.0450
10 mph	0.0032	0.0064	0.0042	0.0053	0.0079	0.0089	0.0153	0.0227
15 mph	0.0026	0.0054	0.0035	0.0045	0.0052	0.0059	0.0121	0.0172
20 mph	0.0021	0.0044	0.0029	0.0037	0.0044	0.0050	0.0103	0.0148
25 mph	0.0018	0.0037	0.0024	0.0031	0.0039	0.0045	0.0090	0.0123
30 mph	0.0016	0.0032	0.0021	0.0027	0.0036	0.0041	0.0079	0.0108
35 mph	0.0014	0.0028	0.0019	0.0025	0.0036	0.0041	0.0071	0.0097
40 mph	0.0013	0.0026	0.0018	0.0023	0.0035	0.0039	0.0065	0.0089
45 mph	0.0013	0.0025	0.0017	0.0022	0.0034	0.0038	0.0061	0.0085
50 mph	0.0013	0.0025	0.0017	0.0022	0.0035	0.0039	0.0061	0.0083
55 mph	0.0013	0.0027	0.0018	0.0024	0.0037	0.0040	0.0062	0.0086
60 mph	0.0014	0.0029	0.0019	0.0025	0.0037	0.0040	0.0067	0.0091
65 mph	0.0016	0.0032	0.0022	0.0029	0.0038	0.0041		
70 mph	0.0018	0.0033	0.0023	0.0031	0.0038	0.0041		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1353	0.0122	0.0595	0.0137	0.0186	0.0062	0.0218	0.0002	0.2674
15 mph	0.0442	0.0040	0.0195	0.0045	0.0061	0.0020	0.0059	0.0001	0.0863
20 mph	0.0736	0.0066	0.0324	0.0075	0.0101	0.0034	0.0099	0.0001	0.1435
25 mph	0.3144	0.0283	0.1384	0.0319	0.0431	0.0144	0.0464	0.0005	0.6176
30 mph	0.3070	0.0276	0.1351	0.0312	0.0421	0.0141	0.0375	0.0004	0.5950
35 mph	0.2330	0.0209	0.1025	0.0237	0.0320	0.0107	0.0157	0.0002	0.4386
40 mph	0.0752	0.0068	0.0331	0.0076	0.0103	0.0035	0.0168	0.0002	0.1535
45 mph	0.0630	0.0057	0.0277	0.0064	0.0086	0.0029	0.0135	0.0001	0.1280
50 mph	0.0649	0.0058	0.0285	0.0066	0.0089	0.0030	0.0226	0.0002	0.1406
55 mph	0.0539	0.0048	0.0237	0.0055	0.0074	0.0025	0.0054	0.0001	0.1033
60 mph	0.1110	0.0100	0.0489	0.0113	0.0154	0.0052	0.0056	0.0001	0.2075
65 mph	0.0142	0.0013	0.0063	0.0015	0.0020	0.0007	-	-	0.0259
70 mph	-	-	-	-	-	-	-	-	-
total	1.4898	0.1340	0.6557	0.1513	0.2046	0.0685	0.2012	0.0022	2.9072

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0209	0.0019	0.0092	0.0024	0.0043	0.0014	-	-	0.0400
15 mph	0.0171	0.0015	0.0075	0.0020	0.0035	0.0012	-	-	0.0327
20 mph	0.0142	0.0013	0.0062	0.0016	0.0029	0.0010	0.0154	0.0002	0.0428
25 mph	0.0242	0.0022	0.0107	0.0028	0.0049	0.0017	0.0231	0.0003	0.0698
30 mph	0.0430	0.0039	0.0189	0.0050	0.0088	0.0029	0.0351	0.0004	0.1181
35 mph	0.0898	0.0081	0.0395	0.0105	0.0183	0.0061	0.0326	0.0004	0.2053
40 mph	0.0967	0.0087	0.0425	0.0113	0.0197	0.0066	0.0289	0.0003	0.2147
45 mph	0.0778	0.0070	0.0342	0.0090	0.0158	0.0053	0.0211	0.0002	0.1705
50 mph	0.0901	0.0081	0.0396	0.0105	0.0183	0.0061	0.0109	0.0001	0.1837
55 mph	0.0520	0.0047	0.0229	0.0061	0.0106	0.0035	0.0056	0.0001	0.1054
60 mph	0.0321	0.0029	0.0142	0.0038	0.0066	0.0022	0.4111	0.0044	0.4773
65 mph	0.0110	0.0010	0.0048	0.0013	0.0023	0.0008	-	-	0.0211
70 mph	0.5119	0.0460	0.2254	0.0602	0.1057	0.0353	-	-	0.9845
total	1.0808	0.0972	0.4756	0.1264	0.2218	0.0742	0.5839	0.0063	2.6660

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0058	0.0017	0.0069	0.0001	0.0145
15 mph	0.0374	0.0034	0.0165	0.0059	0.0063	0.0021	0.0058	0.0001	0.0774
25 mph	-	-	-	-	0.0144	0.0048	0.0186	0.0002	0.0380
35 mph	0.4442	0.0399	0.1955	0.0231	-	-	-	-	0.7027
total	0.4816	0.0433	0.2119	0.0290	0.0265	0.0086	0.0313	0.0004	0.8326

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0058	0.0017	0.0069	0.0001	0.0145
10 mph	0.1561	0.0140	0.0687	0.0161	0.0228	0.0076	0.0218	0.0002	0.3075
15 mph	0.0987	0.0089	0.0434	0.0124	0.0158	0.0053	0.0117	0.0001	0.1964
20 mph	0.0877	0.0079	0.0386	0.0091	0.0130	0.0044	0.0253	0.0003	0.1863
25 mph	0.3387	0.0305	0.1491	0.0347	0.0625	0.0209	0.0882	0.0010	0.7254
30 mph	0.3500	0.0315	0.1541	0.0362	0.0509	0.0170	0.0726	0.0008	0.7131
35 mph	0.7670	0.0690	0.3375	0.0572	0.0503	0.0168	0.0483	0.0005	1.3465
40 mph	0.1719	0.0155	0.0756	0.0189	0.0300	0.0101	0.0457	0.0005	0.3682
45 mph	0.1408	0.0127	0.0619	0.0154	0.0245	0.0082	0.0346	0.0004	0.2985
50 mph	0.1550	0.0139	0.0682	0.0171	0.0272	0.0091	0.0335	0.0004	0.3243
55 mph	0.1059	0.0095	0.0466	0.0115	0.0180	0.0060	0.0111	0.0001	0.2088
60 mph	0.1431	0.0129	0.0631	0.0151	0.0220	0.0074	0.4168	0.0045	0.6848
65 mph	0.0252	0.0023	0.0111	0.0027	0.0043	0.0014	-	-	0.0470
70 mph	0.5119	0.0460	0.2254	0.0602	0.1057	0.0353	-	-	0.9845
total	3.0522	0.2744	1.3433	0.3067	0.4528	0.1513	0.8164	0.0089	6.4058

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0013	0.0000	0.0005	0.0004	0.0121	0.0090	0.0762	0.2043	0.3038
15 mph	0.0004	0.0000	0.0002	0.0001	0.0032	0.0024	0.0200	0.0517	0.0780
20 mph	0.0007	0.0000	0.0003	0.0002	0.0054	0.0041	0.0341	0.0888	0.1336
25 mph	0.0030	0.0000	0.0012	0.0010	0.0238	0.0181	0.1637	0.4055	0.6164
30 mph	0.0028	0.0000	0.0012	0.0010	0.0238	0.0180	0.1307	0.3237	0.5012
35 mph	0.0021	0.0000	0.0009	0.0007	0.0195	0.0147	0.0526	0.1316	0.2221
40 mph	0.0007	0.0000	0.0003	0.0002	0.0063	0.0047	0.0535	0.1340	0.1997
45 mph	0.0005	0.0000	0.0002	0.0002	0.0052	0.0038	0.0406	0.1017	0.1522
50 mph	0.0005	0.0000	0.0002	0.0002	0.0054	0.0039	0.0651	0.1617	0.2371
55 mph	0.0004	0.0000	0.0002	0.0002	0.0045	0.0033	0.0155	0.0387	0.0627
60 mph	0.0010	0.0000	0.0004	0.0003	0.0091	0.0065	0.0165	0.0411	0.0749
65 mph	0.0001	0.0000	0.0001	0.0000	0.0012	0.0008	-	-	0.0022
70 mph	-	-	-	-	-	-	-	-	-
total	0.0135	0.0000	0.0056	0.0047	0.1195	0.0892	0.6685	1.6828	2.5839

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0002	0.0000	0.0001	0.0001	0.0028	0.0021	-	-	0.0052
15 mph	0.0002	0.0000	0.0001	0.0001	0.0018	0.0014	-	-	0.0035
20 mph	0.0001	0.0000	0.0001	0.0001	0.0015	0.0012	0.0533	0.1386	0.1949
25 mph	0.0002	0.0000	0.0001	0.0001	0.0027	0.0021	0.0814	0.2015	0.2881
30 mph	0.0004	0.0000	0.0002	0.0002	0.0050	0.0037	0.1225	0.3034	0.4353
35 mph	0.0008	0.0000	0.0003	0.0003	0.0112	0.0084	0.1094	0.2740	0.4046
40 mph	0.0008	0.0000	0.0003	0.0003	0.0121	0.0090	0.0920	0.2302	0.3448
45 mph	0.0006	0.0000	0.0003	0.0003	0.0095	0.0070	0.0634	0.1589	0.2398
50 mph	0.0007	0.0000	0.0003	0.0003	0.0112	0.0081	0.0313	0.0777	0.1296
55 mph	0.0004	0.0000	0.0002	0.0002	0.0065	0.0047	0.0161	0.0403	0.0683
60 mph	0.0003	0.0000	0.0001	0.0001	0.0039	0.0028	1.2037	2.9935	4.2044
65 mph	0.0001	0.0000	0.0000	0.0000	0.0013	0.0009	-	-	0.0025
70 mph	0.0052	0.0000	0.0021	0.0021	0.0616	0.0438	-	-	0.1148
total	0.0101	0.0000	0.0042	0.0041	0.1311	0.0952	1.7730	4.4181	6.4357

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0038	0.0041	0.0170	0.0271	0.0520
15 mph	0.0004	0.0000	0.0002	0.0002	0.0032	0.0025	0.0195	0.0504	0.0762
25 mph	-	-	-	-	0.0079	0.0060	0.0658	0.1628	0.2426
35 mph	0.0040	0.0000	0.0017	0.0007	-	-	-	-	0.0064
total	0.0043	0.0000	0.0018	0.0009	0.0150	0.0126	0.1022	0.2403	0.3771

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0038	0.0041	0.0170	0.0271	0.0520
10 mph	0.0015	0.0000	0.0006	0.0005	0.0149	0.0110	0.0762	0.2043	0.3090
15 mph	0.0010	0.0000	0.0004	0.0004	0.0082	0.0062	0.0394	0.1021	0.1577
20 mph	0.0008	0.0000	0.0004	0.0003	0.0069	0.0052	0.0874	0.2274	0.3285
25 mph	0.0032	0.0000	0.0013	0.0011	0.0345	0.0262	0.3109	0.7698	1.1471
30 mph	0.0032	0.0000	0.0013	0.0011	0.0288	0.0217	0.2532	0.6271	0.9365
35 mph	0.0069	0.0000	0.0029	0.0018	0.0307	0.0232	0.1620	0.4056	0.6330
40 mph	0.0015	0.0000	0.0006	0.0006	0.0184	0.0138	0.1455	0.3641	0.5445
45 mph	0.0012	0.0000	0.0005	0.0004	0.0146	0.0107	0.1040	0.2606	0.3920
50 mph	0.0013	0.0000	0.0005	0.0005	0.0166	0.0121	0.0964	0.2394	0.3667
55 mph	0.0009	0.0000	0.0004	0.0003	0.0110	0.0079	0.0316	0.0790	0.1310
60 mph	0.0012	0.0000	0.0005	0.0005	0.0130	0.0093	1.2202	3.0346	4.2793
65 mph	0.0002	0.0000	0.0001	0.0001	0.0025	0.0018	-	-	0.0047
70 mph	0.0052	0.0000	0.0021	0.0021	0.0616	0.0438	-	-	0.1148
total	0.0280	0.0001	0.0116	0.0097	0.2656	0.1970	2.5436	6.3412	9.3968

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
15 mph									-	-
25 mph									-	-
35 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0097	0.0058	0.0238	0.0272	0.0665
10 mph	0.1576	0.0140	0.0693	0.0167	0.0377	0.0187	0.0979	0.2045	0.6165
15 mph	0.0997	0.0089	0.0438	0.0128	0.0240	0.0115	0.0512	0.1022	0.3540
20 mph	0.0886	0.0079	0.0390	0.0094	0.0199	0.0096	0.1127	0.2277	0.5147
25 mph	0.3419	0.0305	0.1504	0.0359	0.0970	0.0471	0.3990	0.7708	1.8725
30 mph	0.3533	0.0315	0.1554	0.0373	0.0797	0.0388	0.3258	0.6279	1.6497
35 mph	0.7738	0.0690	0.3404	0.0590	0.0810	0.0400	0.2102	0.4062	1.9796
40 mph	0.1734	0.0155	0.0763	0.0195	0.0485	0.0238	0.1912	0.3646	0.9127
45 mph	0.1420	0.0127	0.0624	0.0159	0.0391	0.0189	0.1386	0.2609	0.6905
50 mph	0.1563	0.0139	0.0687	0.0176	0.0438	0.0212	0.1299	0.2398	0.6910
55 mph	0.1068	0.0095	0.0469	0.0119	0.0290	0.0139	0.0426	0.0791	0.3398
60 mph	0.1444	0.0129	0.0636	0.0155	0.0350	0.0167	1.6370	3.0391	4.9641
65 mph	0.0254	0.0023	0.0112	0.0028	0.0067	0.0032	-	-	0.0517
70 mph	0.5171	0.0460	0.2275	0.0622	0.1673	0.0791	-	-	1.0993
STREX	0.0237	0.0021	0.0107	0.0038	0.0005	0.0002	0.0004	0.0000	0.0414
total	3.1039	0.2766	1.3656	0.3202	0.7188	0.3484	3.3604	6.3500	**15.8440**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0004	0.0005	0.0005	0.0006	0.0002	0.0002	0.0003	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0237	0.0021	0.0107	0.0038	0.0005	0.0002	0.0004	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0237	0.0021	0.0107	0.0038	0.0005	0.0002	0.0004	0.0000

World Logistics Center
Mobile Emissions - 2035 Buildout (Project) - Unmitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0383	0.0372	0.0379	0.0387
10 mph	0.0031	0.0036	0.0033	0.0034	0.0048	0.0047	0.0048	0.0049
15 mph	0.0021	0.0024	0.0022	0.0023	0.0032	0.0031	0.0032	0.0032
20 mph	0.0014	0.0017	0.0015	0.0016	0.0022	0.0022	0.0022	0.0023
25 mph	0.0011	0.0012	0.0011	0.0012	0.0017	0.0016	0.0016	0.0017
30 mph	0.0008	0.0010	0.0009	0.0009	0.0013	0.0013	0.0013	0.0013
35 mph	0.0007	0.0008	0.0007	0.0007	0.0011	0.0010	0.0010	0.0011
40 mph	0.0006	0.0007	0.0006	0.0007	0.0009	0.0009	0.0009	0.0009
45 mph	0.0005	0.0006	0.0006	0.0006	0.0008	0.0008	0.0008	0.0009
50 mph	0.0005	0.0006	0.0006	0.0006	0.0008	0.0008	0.0008	0.0008
55 mph	0.0005	0.0006	0.0006	0.0006	0.0008	0.0008	0.0008	0.0008
60 mph	0.0006	0.0007	0.0006	0.0006	0.0009	0.0009	0.0009	0.0009
65 mph	0.0006	0.0007	0.0007	0.0006	0.0010	0.0010		
70 mph	0.0007	0.0008	0.0007	0.0008	0.0011	0.0011		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7943	0.7957	0.0096	0.0108
10 mph	0.0024	0.0223	0.0087	0.0029	0.0159	0.0283	0.0045	0.0110
15 mph	0.0021	0.0177	0.0076	0.0025	0.0130	0.0239	0.0035	0.0084
20 mph	0.0017	0.0140	0.0065	0.0021	0.0111	0.0202	0.0030	0.0062
25 mph	0.0015	0.0113	0.0055	0.0018	0.0093	0.0172	0.0028	0.0063
30 mph	0.0013	0.0094	0.0049	0.0016	0.0083	0.0152	0.0031	0.0068
35 mph	0.0012	0.0079	0.0044	0.0015	0.0075	0.0138	0.0037	0.0082
40 mph	0.0011	0.0072	0.0041	0.0014	0.0070	0.0127	0.0047	0.0105
45 mph	0.0010	0.0068	0.0038	0.0013	0.0065	0.0118	0.0061	0.0137
50 mph	0.0010	0.0064	0.0035	0.0012	0.0062	0.0111	0.0079	0.0176
55 mph	0.0009	0.0064	0.0033	0.0011	0.0059	0.0105	0.0100	0.0230
60 mph	0.0009	0.0067	0.0032	0.0011	0.0058	0.0104	0.0126	0.0284
65 mph	0.0009	0.0068	0.0032	0.0011	0.0061	0.0107		
70 mph	0.0010	0.0046	0.0032	0.0012	0.0082	0.0125		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0213
10 mph								0.0054
15 mph								0.0045
20 mph								0.0039
25 mph								0.0036
30 mph								0.0033
35 mph								0.0031
40 mph								0.0029
45 mph								0.0028
50 mph								0.0027
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1080	0.0096	0.0434	0.0084	0.0070	0.0020	0.0040	0.0000	0.1823
15 mph	0.0286	0.0025	0.0115	0.0022	0.0019	0.0005	0.0009	0.0000	0.0482
20 mph	0.0401	0.0036	0.0162	0.0031	0.0026	0.0007	0.0012	0.0000	0.0675
25 mph	0.1480	0.0132	0.0596	0.0116	0.0096	0.0027	0.0050	0.0000	0.2497
30 mph	0.1268	0.0113	0.0511	0.0099	0.0082	0.0023	0.0035	0.0000	0.2132
35 mph	0.0853	0.0076	0.0343	0.0067	0.0055	0.0016	0.0013	0.0000	0.1422
40 mph	0.0247	0.0022	0.0099	0.0019	0.0016	0.0004	0.0013	0.0000	0.0420
45 mph	0.0188	0.0017	0.0076	0.0015	0.0012	0.0003	0.0009	0.0000	0.0320
50 mph	0.0182	0.0016	0.0073	0.0014	0.0012	0.0003	0.0014	0.0000	0.0314
55 mph	0.0148	0.0013	0.0059	0.0012	0.0010	0.0003	0.0003	0.0000	0.0248
60 mph	0.0318	0.0028	0.0127	0.0025	0.0021	0.0006	0.0004	0.0000	0.0528
65 mph	0.0045	0.0004	0.0018	0.0003	0.0003	0.0001	-	-	0.0074
70 mph	-	-	-	-	-	-	-	-	-
total	0.6496	0.0577	0.2613	0.0506	0.0421	0.0118	0.0202	0.0002	1.0936

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0167	0.0015	0.0067	0.0015	0.0016	0.0005	-	-	0.0284
15 mph	0.0110	0.0010	0.0044	0.0010	0.0011	0.0003	-	-	0.0188
20 mph	0.0077	0.0007	0.0031	0.0007	0.0007	0.0002	0.0019	0.0000	0.0151
25 mph	0.0114	0.0010	0.0046	0.0010	0.0011	0.0003	0.0025	0.0000	0.0220
30 mph	0.0178	0.0016	0.0072	0.0016	0.0017	0.0005	0.0033	0.0000	0.0337
35 mph	0.0329	0.0029	0.0132	0.0029	0.0032	0.0009	0.0027	0.0000	0.0588
40 mph	0.0317	0.0028	0.0127	0.0028	0.0031	0.0009	0.0022	0.0000	0.0562
45 mph	0.0232	0.0021	0.0093	0.0021	0.0022	0.0006	0.0014	0.0000	0.0410
50 mph	0.0252	0.0022	0.0101	0.0023	0.0024	0.0007	0.0007	0.0000	0.0436
55 mph	0.0143	0.0013	0.0057	0.0013	0.0014	0.0004	0.0004	0.0000	0.0246
60 mph	0.0092	0.0008	0.0037	0.0008	0.0009	0.0002	0.0267	0.0003	0.0425
65 mph	0.0035	0.0003	0.0014	0.0003	0.0003	0.0001	-	-	0.0059
70 mph	0.1758	0.0153	0.0687	0.0155	0.0167	0.0047	-	-	0.2967
total	0.3804	0.0334	0.1509	0.0338	0.0364	0.0102	0.0417	0.0004	0.6873

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0046	0.0013	0.0021	0.0000	0.0080
15 mph	0.0242	0.0022	0.0098	0.0029	0.0019	0.0005	0.0009	0.0000	0.0424
25 mph	-	-	-	-	0.0032	0.0009	0.0020	0.0000	0.0061
35 mph	0.1626	0.0144	0.0654	0.0065	-	-	-	-	0.2489
total	0.1868	0.0166	0.0751	0.0094	0.0097	0.0027	0.0050	0.0001	0.3054

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0046	0.0013	0.0021	0.0000	0.0080
10 mph	0.1246	0.0110	0.0501	0.0099	0.0086	0.0024	0.0040	0.0000	0.2107
15 mph	0.0639	0.0057	0.0257	0.0062	0.0048	0.0014	0.0017	0.0000	0.1094
20 mph	0.0478	0.0043	0.0193	0.0038	0.0033	0.0009	0.0032	0.0000	0.0827
25 mph	0.1595	0.0142	0.0642	0.0126	0.0139	0.0039	0.0095	0.0001	0.2778
30 mph	0.1446	0.0129	0.0582	0.0115	0.0099	0.0028	0.0068	0.0001	0.2468
35 mph	0.2808	0.0249	0.1129	0.0161	0.0087	0.0024	0.0040	0.0000	0.4499
40 mph	0.0564	0.0050	0.0226	0.0048	0.0047	0.0013	0.0034	0.0000	0.0982
45 mph	0.0420	0.0037	0.0169	0.0035	0.0035	0.0010	0.0024	0.0000	0.0730
50 mph	0.0434	0.0038	0.0174	0.0037	0.0036	0.0010	0.0021	0.0000	0.0750
55 mph	0.0291	0.0026	0.0117	0.0024	0.0023	0.0007	0.0007	0.0000	0.0494
60 mph	0.0410	0.0036	0.0164	0.0033	0.0029	0.0008	0.0270	0.0003	0.0954
65 mph	0.0080	0.0007	0.0032	0.0006	0.0006	0.0002	-	-	0.0133
70 mph	0.1758	0.0153	0.0687	0.0155	0.0167	0.0047	-	-	0.2967
total	1.2168	0.1077	0.4874	0.0938	0.0882	0.0248	0.0669	0.0006	2.0863

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0010	0.0000	0.0011	0.0002	0.0243	0.0285	0.0221	0.0991	0.1763
15 mph	0.0003	0.0000	0.0004	0.0001	0.0079	0.0096	0.0058	0.0252	0.0494
20 mph	0.0006	0.0000	0.0007	0.0001	0.0135	0.0163	0.0098	0.0370	0.0780
25 mph	0.0025	0.0000	0.0028	0.0006	0.0569	0.0693	0.0512	0.2079	0.3913
30 mph	0.0024	0.0000	0.0028	0.0006	0.0554	0.0674	0.0506	0.2050	0.3842
35 mph	0.0018	0.0000	0.0020	0.0004	0.0413	0.0500	0.0274	0.1112	0.2342
40 mph	0.0005	0.0000	0.0006	0.0001	0.0127	0.0153	0.0388	0.1581	0.2263
45 mph	0.0004	0.0000	0.0005	0.0001	0.0099	0.0119	0.0403	0.1648	0.2279
50 mph	0.0004	0.0000	0.0005	0.0001	0.0094	0.0112	0.0847	0.3437	0.4500
55 mph	0.0003	0.0000	0.0003	0.0001	0.0071	0.0085	0.0249	0.1037	0.1450
60 mph	0.0006	0.0000	0.0007	0.0001	0.0142	0.0167	0.0313	0.1281	0.1917
65 mph	0.0001	0.0000	0.0001	0.0000	0.0019	0.0021	-	-	0.0042
70 mph	-	-	-	-	-	-	-	-	-
total	0.0109	0.0001	0.0124	0.0027	0.2545	0.3071	0.3870	1.5840	2.5586

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0002	0.0000	0.0002	0.0000	0.0056	0.0065	-	-	0.0125
15 mph	0.0001	0.0000	0.0001	0.0000	0.0046	0.0055	-	-	0.0104
20 mph	0.0001	0.0000	0.0001	0.0000	0.0039	0.0047	0.0153	0.0578	0.0819
25 mph	0.0002	0.0000	0.0002	0.0001	0.0065	0.0080	0.0254	0.1033	0.1437
30 mph	0.0003	0.0000	0.0004	0.0001	0.0116	0.0141	0.0474	0.1921	0.2660
35 mph	0.0007	0.0000	0.0008	0.0002	0.0237	0.0287	0.0571	0.2315	0.3426
40 mph	0.0007	0.0000	0.0008	0.0002	0.0243	0.0293	0.0667	0.2716	0.3936
45 mph	0.0005	0.0000	0.0006	0.0001	0.0182	0.0218	0.0629	0.2574	0.3616
50 mph	0.0005	0.0000	0.0006	0.0002	0.0195	0.0232	0.0407	0.1652	0.2499
55 mph	0.0003	0.0000	0.0003	0.0001	0.0102	0.0122	0.0260	0.1080	0.1571
60 mph	0.0002	0.0000	0.0002	0.0000	0.0061	0.0072	2.2779	9.3368	11.6284
65 mph	0.0001	0.0000	0.0001	0.0000	0.0021	0.0025	-	-	0.0047
70 mph	0.0028	0.0000	0.0029	0.0008	0.1324	0.1324	-	-	0.2714
total	0.0067	0.0000	0.0074	0.0019	0.2686	0.2959	2.6195	10.7238	13.9238

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0993	0.0658	0.0032	0.0065	0.1747
15 mph	0.0003	0.0000	0.0003	0.0001	0.0082	0.0099	0.0056	0.0246	0.0491
25 mph	-	-	-	-	0.0189	0.0231	0.0206	0.0835	0.1461
35 mph	0.0034	0.0000	0.0039	0.0004	-	-	-	-	0.0077
total	0.0037	0.0000	0.0042	0.0005	0.1264	0.0988	0.0294	0.1146	0.3776

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0993	0.0658	0.0032	0.0065	0.1747
10 mph	0.0011	0.0000	0.0013	0.0003	0.0298	0.0351	0.0221	0.0991	0.1888
15 mph	0.0008	0.0000	0.0009	0.0002	0.0207	0.0250	0.0114	0.0498	0.1089
20 mph	0.0007	0.0000	0.0008	0.0002	0.0174	0.0210	0.0251	0.0948	0.1599
25 mph	0.0027	0.0000	0.0030	0.0007	0.0823	0.1004	0.0972	0.3948	0.6811
30 mph	0.0027	0.0000	0.0031	0.0007	0.0670	0.0815	0.0980	0.3972	0.6502
35 mph	0.0058	0.0000	0.0067	0.0011	0.0650	0.0786	0.0846	0.3426	0.5845
40 mph	0.0012	0.0000	0.0014	0.0003	0.0370	0.0446	0.1056	0.4297	0.6198
45 mph	0.0009	0.0000	0.0011	0.0003	0.0281	0.0337	0.1032	0.4222	0.5896
50 mph	0.0009	0.0000	0.0011	0.0003	0.0289	0.0344	0.1254	0.5089	0.6999
55 mph	0.0006	0.0000	0.0007	0.0002	0.0174	0.0207	0.0509	0.2117	0.3021
60 mph	0.0008	0.0000	0.0009	0.0002	0.0203	0.0240	2.3091	9.4650	11.8201
65 mph	0.0001	0.0000	0.0001	0.0000	0.0040	0.0046	-	-	0.0089
70 mph	0.0028	0.0000	0.0029	0.0008	0.1324	0.1324	-	-	0.2714
total	0.0212	0.0001	0.0240	0.0051	0.6495	0.7018	3.0359	12.4223	16.8600

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0034	0.0034
15 mph								0.0010	0.0010
20 mph								0.0017	0.0017
25 mph								0.0083	0.0083
30 mph								0.0070	0.0070
35 mph								0.0029	0.0029
40 mph								0.0031	0.0031
45 mph								0.0024	0.0024
50 mph								0.0038	0.0038
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0336	0.0336

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0026	0.0026
25 mph								0.0041	0.0041
30 mph								0.0066	0.0066
35 mph								0.0061	0.0061
40 mph								0.0053	0.0053
45 mph								0.0037	0.0037
50 mph								0.0018	0.0018
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0194	0.0194

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
15 mph								0.0009	0.0009
25 mph								0.0033	0.0033
35 mph								-	-
total	-	-	-	-	-	-	-	0.0052	0.0052

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
10 mph								0.0034	0.0034
15 mph								0.0019	0.0019
20 mph								0.0043	0.0043
25 mph								0.0158	0.0158
30 mph								0.0135	0.0135
35 mph								0.0091	0.0091
40 mph								0.0084	0.0084
45 mph								0.0061	0.0061
50 mph								0.0056	0.0056
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0691	0.0691

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1038	0.0671	0.0053	0.0074	0.1836
10 mph	0.1258	0.0111	0.0514	0.0102	0.0384	0.0375	0.0261	0.1026	0.4029
15 mph	0.0646	0.0057	0.0266	0.0064	0.0255	0.0264	0.0132	0.0518	0.2202
20 mph	0.0485	0.0043	0.0201	0.0040	0.0207	0.0219	0.0282	0.0991	0.2469
25 mph	0.1621	0.0142	0.0673	0.0132	0.0962	0.1043	0.1067	0.4107	0.9748
30 mph	0.1474	0.0129	0.0614	0.0122	0.0769	0.0843	0.1048	0.4108	0.9106
35 mph	0.2866	0.0250	0.1196	0.0172	0.0737	0.0811	0.0886	0.3518	1.0435
40 mph	0.0576	0.0050	0.0241	0.0051	0.0417	0.0459	0.1090	0.4381	0.7265
45 mph	0.0430	0.0037	0.0180	0.0038	0.0316	0.0347	0.1056	0.4284	0.6687
50 mph	0.0443	0.0038	0.0185	0.0039	0.0325	0.0354	0.1276	0.5145	0.7805
55 mph	0.0297	0.0026	0.0123	0.0026	0.0197	0.0213	0.0516	0.2117	0.3515
60 mph	0.0417	0.0036	0.0173	0.0035	0.0232	0.0248	2.3362	9.4652	11.9155
65 mph	0.0081	0.0007	0.0033	0.0006	0.0046	0.0048	-	-	0.0222
70 mph	0.1786	0.0153	0.0716	0.0163	0.1491	0.1371	-	-	0.5681
STREX	0.0584	0.0051	0.0228	0.0068	0.0009	0.0003	0.0005	0.0000	0.0947
total	1.2964	0.1128	0.5342	0.1057	0.7387	0.7268	3.1034	12.4921	**19.1101**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0010	0.0011	0.0010	0.0011	0.0003	0.0003	0.0004	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0584	0.0051	0.0228	0.0068	0.0009	0.0003	0.0005	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0584	0.0051	0.0228	0.0068	0.0009	0.0003	0.0005	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	31.2163	2.3857	11.7452	2.2090	2.4431	0.8169	1.9686	0.0105
Diesel	0.3696	0.0004	0.1143	0.0743	2.6950	2.0394	11.7793	14.4555
Electric/NG	1.7556	0.0740	0.4513	0.0931	-	-	-	1.0415
Total	33.3415	2.4600	12.3108	2.3764	5.1381	2.8562	13.7479	15.5074

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	24.0709	1.8396	9.0567	1.9517	2.8014	0.9366	6.1490	0.0327
Diesel	0.2850	0.0003	0.0882	0.0657	3.0903	2.3384	36.7935	45.1525
Electric/NG	1.3537	0.0570	0.3480	0.0822	-	-	-	3.2532
Total	25.7096	1.8969	9.4929	2.0996	5.8917	3.2751	42.9425	48.4385

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	11.2414	0.8591	4.2296	0.4460	0.2130	0.0712	0.2123	0.0011
Diesel	0.1331	0.0001	0.0412	0.0150	0.2350	0.1778	1.2703	1.5589
Electric/NG	0.6322	0.0266	0.1625	0.0188	-	-	-	0.1123
Total	12.0067	0.8859	4.4333	0.4798	0.4479	0.2490	1.4826	1.6723

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	66.5286	5.0843	25.0315	4.6067	5.4575	1.8247	8.3299	0.0444	116.9076
Diesel	0.7877	0.0008	0.2436	0.1550	6.0203	4.5556	49.8432	61.1669	122.7729
Electric/NG	3.7415	0.1576	0.9619	0.1941	-	-	-	4.4070	9.4621
Total	71.0578	5.2427	26.2370	4.9558	11.4778	6.3803	58.1730	65.6182	**249.1426**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	251.6960
Internal	351.5790
Total	**603.2750**

World Logistics Center
Mobile Emissions - 2035 Buildout (Project) - Unmitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0353	0.0342	0.0348	0.0356
10 mph	0.0028	0.0033	0.0030	0.0031	0.0044	0.0043	0.0044	0.0045
15 mph	0.0019	0.0022	0.0020	0.0021	0.0029	0.0029	0.0029	0.0030
20 mph	0.0013	0.0015	0.0014	0.0015	0.0021	0.0020	0.0020	0.0021
25 mph	0.0010	0.0011	0.0010	0.0011	0.0015	0.0015	0.0015	0.0015
30 mph	0.0008	0.0009	0.0008	0.0008	0.0012	0.0012	0.0012	0.0012
35 mph	0.0006	0.0007	0.0007	0.0007	0.0010	0.0009	0.0010	0.0010
40 mph	0.0005	0.0006	0.0006	0.0006	0.0008	0.0008	0.0008	0.0009
45 mph	0.0005	0.0006	0.0005	0.0005	0.0008	0.0007	0.0008	0.0008
50 mph	0.0005	0.0006	0.0005	0.0005	0.0007	0.0007	0.0007	0.0008
55 mph	0.0005	0.0006	0.0005	0.0005	0.0008	0.0007	0.0008	0.0008
60 mph	0.0005	0.0006	0.0006	0.0006	0.0008	0.0008	0.0008	0.0008
65 mph	0.0006	0.0007	0.0006	0.0007	0.0009	0.0009		
70 mph	0.0007	0.0007	0.0007	0.0007	0.0010	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7599	0.7612	0.0092	0.0104
10 mph	0.0023	0.0213	0.0083	0.0028	0.0152	0.0271	0.0043	0.0105
15 mph	0.0020	0.0169	0.0072	0.0024	0.0125	0.0228	0.0034	0.0080
20 mph	0.0017	0.0134	0.0062	0.0020	0.0106	0.0194	0.0028	0.0059
25 mph	0.0014	0.0108	0.0053	0.0017	0.0089	0.0165	0.0027	0.0060
30 mph	0.0013	0.0090	0.0047	0.0016	0.0079	0.0146	0.0029	0.0065
35 mph	0.0011	0.0076	0.0042	0.0014	0.0072	0.0132	0.0035	0.0079
40 mph	0.0010	0.0069	0.0039	0.0013	0.0067	0.0121	0.0045	0.0101
45 mph	0.0010	0.0065	0.0036	0.0012	0.0062	0.0113	0.0058	0.0131
50 mph	0.0009	0.0061	0.0034	0.0011	0.0059	0.0107	0.0075	0.0168
55 mph	0.0009	0.0062	0.0032	0.0011	0.0056	0.0101	0.0096	0.0220
60 mph	0.0008	0.0065	0.0031	0.0010	0.0056	0.0099	0.0120	0.0272
65 mph	0.0009	0.0065	0.0031	0.0011	0.0058	0.0102		
70 mph	0.0009	0.0044	0.0031	0.0012	0.0079	0.0119		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0203
10 mph								0.0051
15 mph								0.0043
20 mph								0.0038
25 mph								0.0034
30 mph								0.0031
35 mph								0.0029
40 mph								0.0028
45 mph								0.0027
50 mph								0.0026
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0993	0.0088	0.0399	0.0077	0.0064	0.0018	0.0037	0.0000	0.1676
15 mph	0.0263	0.0023	0.0106	0.0021	0.0017	0.0005	0.0008	0.0000	0.0443
20 mph	0.0369	0.0033	0.0149	0.0029	0.0024	0.0007	0.0011	0.0000	0.0621
25 mph	0.1361	0.0121	0.0548	0.0106	0.0088	0.0025	0.0046	0.0000	0.2296
30 mph	0.1166	0.0104	0.0470	0.0091	0.0076	0.0021	0.0032	0.0000	0.1960
35 mph	0.0784	0.0070	0.0315	0.0061	0.0051	0.0014	0.0012	0.0000	0.1308
40 mph	0.0227	0.0020	0.0091	0.0018	0.0015	0.0004	0.0012	0.0000	0.0386
45 mph	0.0173	0.0015	0.0069	0.0013	0.0011	0.0003	0.0008	0.0000	0.0294
50 mph	0.0167	0.0015	0.0067	0.0013	0.0011	0.0003	0.0013	0.0000	0.0289
55 mph	0.0136	0.0012	0.0055	0.0011	0.0009	0.0002	0.0003	0.0000	0.0228
60 mph	0.0292	0.0026	0.0117	0.0023	0.0019	0.0005	0.0003	0.0000	0.0486
65 mph	0.0041	0.0004	0.0017	0.0003	0.0003	0.0001	-	-	0.0068
70 mph	-	-	-	-	-	-	-	-	-
total	0.5973	0.0530	0.2403	0.0466	0.0387	0.0109	0.0186	0.0002	1.0056

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0153	0.0014	0.0062	0.0014	0.0015	0.0004	-	-	0.0261
15 mph	0.0101	0.0009	0.0041	0.0009	0.0010	0.0003	-	-	0.0173
20 mph	0.0071	0.0006	0.0029	0.0006	0.0007	0.0002	0.0018	0.0000	0.0139
25 mph	0.0105	0.0009	0.0042	0.0009	0.0010	0.0003	0.0023	0.0000	0.0202
30 mph	0.0164	0.0015	0.0066	0.0015	0.0016	0.0004	0.0030	0.0000	0.0309
35 mph	0.0302	0.0027	0.0122	0.0027	0.0029	0.0008	0.0025	0.0000	0.0540
40 mph	0.0291	0.0026	0.0117	0.0026	0.0028	0.0008	0.0020	0.0000	0.0516
45 mph	0.0213	0.0019	0.0086	0.0019	0.0021	0.0006	0.0013	0.0000	0.0377
50 mph	0.0232	0.0021	0.0093	0.0021	0.0022	0.0006	0.0006	0.0000	0.0401
55 mph	0.0131	0.0012	0.0053	0.0012	0.0013	0.0004	0.0003	0.0000	0.0227
60 mph	0.0085	0.0007	0.0034	0.0008	0.0008	0.0002	0.0245	0.0002	0.0391
65 mph	0.0032	0.0003	0.0013	0.0003	0.0003	0.0001	-	-	0.0054
70 mph	0.1617	0.0140	0.0632	0.0143	0.0154	0.0043	-	-	0.2728
total	0.3498	0.0307	0.1388	0.0311	0.0335	0.0094	0.0384	0.0004	0.6319

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0042	0.0012	0.0019	0.0000	0.0073
15 mph	0.0223	0.0020	0.0090	0.0027	0.0018	0.0005	0.0008	0.0000	0.0390
25 mph	-	-	-	-	0.0029	0.0008	0.0018	0.0000	0.0056
35 mph	0.1495	0.0133	0.0601	0.0060	-	-	-	-	0.2289
total	0.1718	0.0153	0.0691	0.0087	0.0089	0.0025	0.0046	0.0000	0.2808

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0042	0.0012	0.0019	0.0000	0.0073
10 mph	0.1146	0.0102	0.0461	0.0091	0.0079	0.0022	0.0037	0.0000	0.1937
15 mph	0.0587	0.0052	0.0237	0.0057	0.0044	0.0013	0.0016	0.0000	0.1006
20 mph	0.0440	0.0039	0.0177	0.0035	0.0031	0.0009	0.0029	0.0000	0.0760
25 mph	0.1466	0.0130	0.0591	0.0116	0.0128	0.0036	0.0087	0.0001	0.2554
30 mph	0.1330	0.0118	0.0535	0.0106	0.0091	0.0026	0.0063	0.0001	0.2270
35 mph	0.2582	0.0229	0.1038	0.0148	0.0080	0.0022	0.0037	0.0000	0.4137
40 mph	0.0518	0.0046	0.0208	0.0044	0.0043	0.0012	0.0031	0.0000	0.0903
45 mph	0.0386	0.0034	0.0155	0.0033	0.0032	0.0009	0.0022	0.0000	0.0671
50 mph	0.0399	0.0035	0.0160	0.0034	0.0033	0.0009	0.0020	0.0000	0.0690
55 mph	0.0267	0.0024	0.0107	0.0022	0.0021	0.0006	0.0006	0.0000	0.0454
60 mph	0.0377	0.0033	0.0151	0.0030	0.0027	0.0008	0.0248	0.0002	0.0877
65 mph	0.0073	0.0006	0.0029	0.0006	0.0006	0.0002	-	-	0.0123
70 mph	0.1617	0.0140	0.0632	0.0143	0.0154	0.0043	-	-	0.2728
total	1.1188	0.0990	0.4481	0.0863	0.0811	0.0228	0.0615	0.0006	1.9183

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0009	0.0000	0.0011	0.0002	0.0232	0.0273	0.0211	0.0948	0.1687
15 mph	0.0003	0.0000	0.0004	0.0001	0.0076	0.0092	0.0055	0.0242	0.0473
20 mph	0.0006	0.0000	0.0006	0.0001	0.0129	0.0156	0.0094	0.0354	0.0746
25 mph	0.0024	0.0000	0.0027	0.0006	0.0544	0.0663	0.0490	0.1989	0.3744
30 mph	0.0023	0.0000	0.0026	0.0006	0.0530	0.0645	0.0484	0.1962	0.3676
35 mph	0.0017	0.0000	0.0019	0.0004	0.0395	0.0478	0.0262	0.1064	0.2241
40 mph	0.0005	0.0000	0.0006	0.0001	0.0122	0.0147	0.0372	0.1512	0.2165
45 mph	0.0004	0.0000	0.0005	0.0001	0.0095	0.0114	0.0386	0.1577	0.2181
50 mph	0.0004	0.0000	0.0004	0.0001	0.0090	0.0107	0.0810	0.3288	0.4306
55 mph	0.0003	0.0000	0.0003	0.0001	0.0068	0.0081	0.0239	0.0992	0.1388
60 mph	0.0006	0.0000	0.0006	0.0001	0.0136	0.0160	0.0299	0.1226	0.1834
65 mph	0.0001	0.0000	0.0001	0.0000	0.0018	0.0021	-	-	0.0040
70 mph	-	-	-	-	-	-	-	-	-
total	0.0104	0.0001	0.0119	0.0026	0.2435	0.2938	0.3702	1.5154	2.4479

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0002	0.0000	0.0053	0.0063	-	-	0.0119
15 mph	0.0001	0.0000	0.0001	0.0000	0.0044	0.0053	-	-	0.0099
20 mph	0.0001	0.0000	0.0001	0.0000	0.0037	0.0045	0.0146	0.0553	0.0784
25 mph	0.0002	0.0000	0.0002	0.0001	0.0062	0.0076	0.0243	0.0989	0.1375
30 mph	0.0003	0.0000	0.0004	0.0001	0.0111	0.0135	0.0453	0.1838	0.2545
35 mph	0.0007	0.0000	0.0008	0.0002	0.0227	0.0274	0.0547	0.2215	0.3278
40 mph	0.0007	0.0000	0.0008	0.0002	0.0232	0.0280	0.0639	0.2598	0.3766
45 mph	0.0005	0.0000	0.0006	0.0001	0.0174	0.0209	0.0602	0.2463	0.3460
50 mph	0.0005	0.0000	0.0006	0.0002	0.0186	0.0222	0.0389	0.1580	0.2390
55 mph	0.0003	0.0000	0.0003	0.0001	0.0098	0.0117	0.0248	0.1033	0.1503
60 mph	0.0002	0.0000	0.0002	0.0000	0.0058	0.0069	2.1794	8.9329	11.1254
65 mph	0.0001	0.0000	0.0001	0.0000	0.0020	0.0024	-	-	0.0045
70 mph	0.0027	0.0000	0.0028	0.0008	0.1267	0.1267	-	-	0.2596
total	0.0064	0.0000	0.0070	0.0018	0.2570	0.2831	2.5062	10.2599	13.3215

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0950	0.0629	0.0030	0.0062	0.1672
15 mph	0.0003	0.0000	0.0003	0.0001	0.0078	0.0095	0.0054	0.0235	0.0469
25 mph	-	-	-	-	0.0181	0.0221	0.0197	0.0799	0.1398
35 mph	0.0032	0.0000	0.0037	0.0004	-	-	-	-	0.0074
total	0.0035	0.0000	0.0040	0.0005	0.1209	0.0945	0.0281	0.1097	0.3613

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0950	0.0629	0.0030	0.0062	0.1672
10 mph	0.0011	0.0000	0.0012	0.0003	0.0285	0.0335	0.0211	0.0948	0.1806
15 mph	0.0007	0.0000	0.0008	0.0002	0.0198	0.0240	0.0109	0.0477	0.1042
20 mph	0.0007	0.0000	0.0008	0.0002	0.0166	0.0201	0.0240	0.0907	0.1530
25 mph	0.0025	0.0000	0.0029	0.0006	0.0788	0.0960	0.0930	0.3777	0.6517
30 mph	0.0026	0.0000	0.0030	0.0007	0.0641	0.0780	0.0937	0.3800	0.6221
35 mph	0.0056	0.0000	0.0064	0.0010	0.0622	0.0752	0.0809	0.3278	0.5593
40 mph	0.0012	0.0000	0.0014	0.0003	0.0354	0.0427	0.1010	0.4111	0.5930
45 mph	0.0009	0.0000	0.0010	0.0002	0.0269	0.0323	0.0988	0.4040	0.5641
50 mph	0.0009	0.0000	0.0010	0.0002	0.0277	0.0329	0.1200	0.4869	0.6696
55 mph	0.0006	0.0000	0.0006	0.0001	0.0166	0.0198	0.0487	0.2026	0.2890
60 mph	0.0007	0.0000	0.0008	0.0002	0.0194	0.0229	2.2093	9.0555	11.3088
65 mph	0.0001	0.0000	0.0001	0.0000	0.0038	0.0044	-	-	0.0085
70 mph	0.0027	0.0000	0.0028	0.0008	0.1267	0.1267	-	-	0.2596
total	0.0203	0.0001	0.0229	0.0049	0.6214	0.6714	2.9046	11.8849	16.1307

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0033	0.0033
15 mph								0.0009	0.0009
20 mph								0.0016	0.0016
25 mph								0.0080	0.0080
30 mph								0.0067	0.0067
35 mph								0.0028	0.0028
40 mph								0.0030	0.0030
45 mph								0.0023	0.0023
50 mph								0.0036	0.0036
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0322	0.0322

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0025	0.0025
25 mph								0.0040	0.0040
30 mph								0.0063	0.0063
35 mph								0.0059	0.0059
40 mph								0.0051	0.0051
45 mph								0.0036	0.0036
50 mph								0.0017	0.0017
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0186	0.0186

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
15 mph								0.0009	0.0009
25 mph								0.0032	0.0032
35 mph								-	-
total	-	-	-	-	-	-	-	0.0050	0.0050

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
10 mph								0.0033	0.0033
15 mph								0.0018	0.0018
20 mph								0.0041	0.0041
25 mph								0.0151	0.0151
30 mph								0.0130	0.0130
35 mph								0.0087	0.0087
40 mph								0.0081	0.0081
45 mph								0.0059	0.0059
50 mph								0.0054	0.0054
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0661	0.0661

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0992	0.0641	0.0050	0.0071	0.1754
10 mph	0.1157	0.0102	0.0473	0.0094	0.0364	0.0358	0.0248	0.0981	0.3776
15 mph	0.0595	0.0052	0.0245	0.0059	0.0242	0.0252	0.0125	0.0495	0.2066
20 mph	0.0446	0.0039	0.0185	0.0037	0.0197	0.0210	0.0269	0.0949	0.2331
25 mph	0.1492	0.0131	0.0620	0.0122	0.0916	0.0996	0.1017	0.3929	0.9222
30 mph	0.1356	0.0118	0.0565	0.0112	0.0732	0.0805	0.1000	0.3930	0.8620
35 mph	0.2638	0.0230	0.1102	0.0158	0.0702	0.0775	0.0846	0.3365	0.9816
40 mph	0.0530	0.0046	0.0222	0.0047	0.0397	0.0439	0.1042	0.4192	0.6914
45 mph	0.0395	0.0034	0.0165	0.0035	0.0301	0.0332	0.1009	0.4098	0.6370
50 mph	0.0408	0.0035	0.0170	0.0036	0.0310	0.0338	0.1220	0.4923	0.7440
55 mph	0.0273	0.0024	0.0114	0.0024	0.0188	0.0204	0.0494	0.2026	0.3345
60 mph	0.0384	0.0033	0.0159	0.0032	0.0221	0.0237	2.2341	9.0557	11.3965
65 mph	0.0075	0.0006	0.0031	0.0006	0.0044	0.0046	-	-	0.0208
70 mph	0.1644	0.0140	0.0660	0.0151	0.1421	0.1310	-	-	0.5325
STREX	0.0537	0.0046	0.0210	0.0062	0.0009	0.0002	0.0005	0.0000	0.0871
total	1.1928	0.1038	0.4921	0.0975	0.7034	0.6945	2.9666	11.9517	**18.2022**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0009	0.0010	0.0010	0.0010	0.0003	0.0003	0.0004	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0537	0.0046	0.0210	0.0062	0.0009	0.0002	0.0005	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0537	0.0046	0.0210	0.0062	0.0009	0.0002	0.0005	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	12.3819	0.9463	4.6587	0.8762	1.0057	0.3381	0.8140	0.0040
Diesel	0.1466	0.0001	0.0453	0.0295	1.0897	0.8308	4.8710	5.2444
Electric/NG	0.6963	0.0293	0.1790	0.0369	-	-	-	0.3779
Total	13.2248	0.9757	4.8831	0.9426	2.0954	1.1689	5.6850	5.6263

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	9.5477	0.7297	3.5923	0.7742	1.1532	0.3877	2.5427	0.0126
Diesel	0.1130	0.0001	0.0350	0.0260	1.2495	0.9527	15.2148	16.3813
Electric/NG	0.5370	0.0226	0.1380	0.0326	-	-	-	1.1803
Total	10.1977	0.7524	3.7653	0.8328	2.4027	1.3403	17.7575	17.5742

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	4.4589	0.3408	1.6777	0.1769	0.0877	0.0295	0.0878	0.0004
Diesel	0.0528	0.0001	0.0163	0.0060	0.0950	0.0724	0.5253	0.5656
Electric/NG	0.2508	0.0106	0.0645	0.0075	-	-	-	0.0407
Total	4.7624	0.3514	1.7585	0.1903	0.1827	0.1019	0.6131	0.6067

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	26.3884	2.0167	9.9287	1.8272	2.2466	0.7552	3.4445	0.0171	46.6245
Diesel	0.3124	0.0003	0.0966	0.0615	2.4343	1.8559	20.6110	22.1913	47.5633
Electric/NG	1.4841	0.0625	0.3815	0.0770	-	-	-	1.5989	3.6040
Total	28.1849	2.0795	10.4069	1.9657	4.6808	2.6111	24.0555	23.8072	**97.7917**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	61.7799
Internal	86.2967
Total	**148.0766**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0764	0.0494	0.0038	0.0055	0.1350
10 mph	0.0740	0.0065	0.0303	0.0060	0.0280	0.0275	0.0191	0.0756	0.2670
15 mph	0.0381	0.0033	0.0157	0.0038	0.0187	0.0194	0.0097	0.0381	0.1467
20 mph	0.0286	0.0025	0.0118	0.0024	0.0152	0.0161	0.0207	0.0730	0.1703
25 mph	0.0955	0.0084	0.0397	0.0078	0.0705	0.0767	0.0783	0.3025	0.6794
30 mph	0.0868	0.0076	0.0362	0.0072	0.0564	0.0620	0.0770	0.3026	0.6358
35 mph	0.1688	0.0147	0.0705	0.0101	0.0541	0.0597	0.0651	0.2591	0.7022
40 mph	0.0339	0.0029	0.0142	0.0030	0.0306	0.0338	0.0802	0.3228	0.5214
45 mph	0.0253	0.0022	0.0106	0.0022	0.0232	0.0255	0.0777	0.3156	0.4823
50 mph	0.0261	0.0023	0.0109	0.0023	0.0238	0.0261	0.0939	0.3790	0.5644
55 mph	0.0175	0.0015	0.0073	0.0015	0.0144	0.0157	0.0380	0.1560	0.2519
60 mph	0.0246	0.0021	0.0102	0.0021	0.0170	0.0182	1.7203	6.9729	8.7674
65 mph	0.0048	0.0004	0.0020	0.0004	0.0034	0.0035	-	-	0.0145
70 mph	0.1052	0.0090	0.0422	0.0096	0.1094	0.1009	-	-	0.3763
total	0.7290	0.0634	0.3015	0.0584	0.5410	0.5346	2.2839	9.2028	13.7146

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2035 Buildout (Project) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	3,610	2.40	0.32	0.0005	1.69	0.0019	6.88
2	L	4,388	2.40	0.32	0.0005	2.05	0.0019	8.36
3	L	3,825	2.40	0.32	0.0005	1.79	0.0019	7.29
5	L	7,763	2.40	0.32	0.0005	3.63	0.0019	14.79
6	L	13,785	2.40	0.32	0.0005	6.45	0.0019	26.26
8	L	9,241	2.40	0.32	0.0005	4.32	0.0019	17.61
11	L	7,391	2.40	0.32	0.0005	3.46	0.0019	14.08
12	L	6,622	2.40	0.32	0.0005	3.10	0.0019	12.62
14	L	5,675	2.40	0.32	0.0005	2.65	0.0019	10.81
18	L	3,195	2.40	0.32	0.0005	1.49	0.0019	6.09
19	L	7,654	2.40	0.32	0.0005	3.58	0.0019	14.58
21	L	6,920	2.40	0.32	0.0005	3.24	0.0019	13.18
24	L	13,970	2.40	0.32	0.0005	6.53	0.0019	26.61
30	L	62,790	2.40	0.32	0.0005	29.36	0.0019	119.62
29	L	5,441	2.40	0.32	0.0005	2.54	0.0019	10.36
31	L	22,275	2.40	0.32	0.0005	10.42	0.0019	42.44
TOTAL						86.30		351.58

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2035 Buildout (Project) - Unmitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	668,408	2.40	0.032	0.0001	38.45	0.0002	156.66
Freeway	F	807,966	2.40	0.015	0.0000	23.33	0.0001	95.03
TOTAL		1,476,374				61.78		251.70

World Logistics Center
Mobile Emissions - 2035 Buildout (Project) - Unmitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0045	0.0054	0.0052	0.0055	0.0064	0.0072	0.0139	0.2046
15 mph	0.0040	0.0047	0.0046	0.0048	0.0056	0.0063	0.0123	0.1805
20 mph	0.0036	0.0042	0.0041	0.0043	0.0051	0.0057	0.0110	0.1619
25 mph	0.0033	0.0039	0.0037	0.0039	0.0046	0.0052	0.0100	0.1478
30 mph	0.0030	0.0036	0.0035	0.0037	0.0043	0.0048	0.0093	0.1371
35 mph	0.0029	0.0034	0.0033	0.0035	0.0041	0.0046	0.0087	0.1291
40 mph	0.0028	0.0032	0.0031	0.0033	0.0039	0.0043	0.0083	0.1232
45 mph	0.0027	0.0031	0.0030	0.0032	0.0038	0.0042	0.0081	0.1195
50 mph	0.0026	0.0031	0.0030	0.0032	0.0037	0.0042	0.0079	0.1181
55 mph	0.0027	0.0031	0.0030	0.0032	0.0038	0.0042	0.0080	0.1191
60 mph	0.0028	0.0033	0.0031	0.0034	0.0039	0.0044	0.0083	0.1229
65 mph	0.0029	0.0034	0.0033	0.0035	0.0041	0.0046	0.0087	0.1293
70 mph	0.0031	0.0037	0.0034	0.0037	0.0044	0.0047	0.0085	0.1347

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0527	0.1072	0.0703	0.0875	0.1320	0.1478	0.2553	0.3770
15 mph	0.0434	0.0891	0.0583	0.0742	0.0860	0.0981	0.2007	0.2863
20 mph	0.0356	0.0731	0.0479	0.0616	0.0734	0.0838	0.1715	0.2457
25 mph	0.0298	0.0611	0.0402	0.0521	0.0651	0.0746	0.1496	0.2041
30 mph	0.0258	0.0525	0.0347	0.0451	0.0591	0.0674	0.1314	0.1792
35 mph	0.0233	0.0470	0.0313	0.0409	0.0592	0.0675	0.1174	0.1619
40 mph	0.0219	0.0438	0.0293	0.0383	0.0576	0.0650	0.1076	0.1483
45 mph	0.0211	0.0423	0.0282	0.0368	0.0562	0.0626	0.1020	0.1408
50 mph	0.0212	0.0422	0.0282	0.0370	0.0590	0.0649	0.1007	0.1377
55 mph	0.0221	0.0442	0.0295	0.0391	0.0615	0.0671	0.1036	0.1429
60 mph	0.0240	0.0480	0.0320	0.0423	0.0622	0.0673	0.1107	0.1516
65 mph	0.0270	0.0535	0.0359	0.0476	0.0630	0.0676	0.1220	0.1642
70 mph	0.0293	0.0557	0.0386	0.0515	0.0637	0.0685	0.1232	0.1671

*US EPA Emission Factors for Greenhouse Gas Inventories. (Idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.8140
15 mph								0.6830
20 mph								0.5964
25 mph								0.5501
30 mph								0.5205
35 mph								0.4971
40 mph								0.4779
45 mph								0.4617
50 mph								0.4479
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1583	0.0144	0.0683	0.0136	0.0093	0.0030	0.0115	0.0016	0.2800
15 mph	0.0555	0.0050	0.0239	0.0048	0.0033	0.0011	0.0034	0.0005	0.0974
20 mph	0.0998	0.0090	0.0430	0.0086	0.0059	0.0019	0.0061	0.0008	0.1751
25 mph	0.4560	0.0411	0.1957	0.0390	0.0267	0.0087	0.0305	0.0042	0.8018
30 mph	0.4669	0.0420	0.1996	0.0398	0.0273	0.0089	0.0257	0.0035	0.8137
35 mph	0.3614	0.0324	0.1538	0.0308	0.0212	0.0069	0.0109	0.0015	0.6187
40 mph	0.1152	0.0103	0.0489	0.0098	0.0067	0.0022	0.0115	0.0016	0.2063
45 mph	0.0929	0.0083	0.0395	0.0079	0.0055	0.0018	0.0089	0.0012	0.1660
50 mph	0.0918	0.0083	0.0390	0.0078	0.0054	0.0017	0.0143	0.0020	0.1704
55 mph	0.0743	0.0067	0.0317	0.0064	0.0044	0.0014	0.0033	0.0005	0.1285
60 mph	0.1542	0.0140	0.0661	0.0133	0.0090	0.0029	0.0034	0.0005	0.2634
65 mph	0.0202	0.0018	0.0086	0.0017	0.0012	0.0004	-	-	0.0340
70 mph	-	-	-	-	-	-	-	-	-
total	2.1464	0.1935	0.9180	0.1834	0.1258	0.0409	0.1295	0.0177	3.7552

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0244	0.0022	0.0105	0.0024	0.0021	0.0007	-	-	0.0424
15 mph	0.0214	0.0019	0.0092	0.0021	0.0019	0.0006	-	-	0.0371
20 mph	0.0192	0.0017	0.0083	0.0019	0.0017	0.0005	0.0095	0.0013	0.0442
25 mph	0.0352	0.0032	0.0151	0.0034	0.0031	0.0010	0.0152	0.0021	0.0782
30 mph	0.0655	0.0059	0.0280	0.0064	0.0057	0.0019	0.0241	0.0033	0.1406
35 mph	0.1393	0.0125	0.0593	0.0136	0.0121	0.0039	0.0226	0.0031	0.2665
40 mph	0.1480	0.0133	0.0629	0.0144	0.0129	0.0042	0.0198	0.0027	0.2782
45 mph	0.1146	0.0103	0.0487	0.0112	0.0100	0.0032	0.0139	0.0019	0.2138
50 mph	0.1275	0.0115	0.0542	0.0125	0.0111	0.0036	0.0069	0.0009	0.2281
55 mph	0.0716	0.0065	0.0305	0.0070	0.0062	0.0020	0.0035	0.0005	0.1278
60 mph	0.0446	0.0040	0.0191	0.0044	0.0039	0.0013	0.2503	0.0345	0.3620
65 mph	0.0156	0.0014	0.0067	0.0015	0.0014	0.0004	-	-	0.0270
70 mph	0.7594	0.0693	0.3176	0.0751	0.0669	0.0209	-	-	1.3094
total	1.5862	0.1437	0.6701	0.1560	0.1390	0.0444	0.3656	0.0503	3.1554

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0016	0.0005	0.0007	0.0000	0.0028
15 mph	0.0469	0.0043	0.0203	0.0063	0.0034	0.0011	0.0033	0.0005	0.0859
25 mph	-	-	-	-	0.0089	0.0029	0.0122	0.0017	0.0257
35 mph	0.6891	0.0619	0.2931	0.0300	-	-	-	-	1.0741
total	0.7360	0.0661	0.3134	0.0363	0.0138	0.0044	0.0163	0.0021	1.1885

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0016	0.0005	0.0007	0.0000	0.0028
10 mph	0.1827	0.0166	0.0788	0.0161	0.0115	0.0037	0.0115	0.0016	0.3224
15 mph	0.1238	0.0112	0.0534	0.0132	0.0085	0.0028	0.0067	0.0009	0.2204
20 mph	0.1190	0.0108	0.0513	0.0104	0.0076	0.0025	0.0156	0.0021	0.2192
25 mph	0.4911	0.0443	0.2108	0.0424	0.0387	0.0126	0.0579	0.0079	0.9057
30 mph	0.5324	0.0479	0.2275	0.0462	0.0330	0.0107	0.0497	0.0068	0.9544
35 mph	1.1898	0.1068	0.5062	0.0743	0.0333	0.0108	0.0335	0.0046	1.9593
40 mph	0.2632	0.0236	0.1118	0.0242	0.0196	0.0064	0.0313	0.0043	0.4845
45 mph	0.2074	0.0186	0.0882	0.0191	0.0154	0.0050	0.0228	0.0031	0.3798
50 mph	0.2193	0.0197	0.0932	0.0203	0.0165	0.0054	0.0212	0.0029	0.3985
55 mph	0.1458	0.0132	0.0622	0.0134	0.0106	0.0034	0.0068	0.0009	0.2563
60 mph	0.1988	0.0180	0.0852	0.0177	0.0129	0.0042	0.2537	0.0349	0.6254
65 mph	0.0358	0.0032	0.0153	0.0033	0.0025	0.0008	-	-	0.0610
70 mph	0.7594	0.0693	0.3176	0.0751	0.0669	0.0209	-	-	1.3094
total	4.4686	0.4033	1.9015	0.3757	0.2787	0.0897	0.5115	0.0702	8.0991

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0218	0.0000	0.0090	0.0073	0.2011	0.1489	1.2676	3.3993	5.0550
15 mph	0.0072	0.0000	0.0030	0.0025	0.0524	0.0396	0.3323	0.8603	1.2971
20 mph	0.0117	0.0000	0.0049	0.0041	0.0895	0.0676	0.5676	1.4770	2.2224
25 mph	0.0492	0.0001	0.0205	0.0173	0.3965	0.3009	2.7242	6.7464	10.2552
30 mph	0.0469	0.0001	0.0195	0.0165	0.3964	0.2987	2.1748	5.3863	8.3392
35 mph	0.0347	0.0001	0.0144	0.0122	0.3247	0.2447	0.8744	2.1895	3.6947
40 mph	0.0108	0.0000	0.0045	0.0038	0.1053	0.0787	0.8905	2.2290	3.3226
45 mph	0.0087	0.0000	0.0036	0.0031	0.0857	0.0630	0.6754	1.6923	2.5318
50 mph	0.0087	0.0000	0.0036	0.0031	0.0899	0.0654	1.0832	2.6903	3.9442
55 mph	0.0073	0.0000	0.0030	0.0026	0.0750	0.0541	0.2572	0.6441	1.0433
60 mph	0.0159	0.0000	0.0065	0.0056	0.1515	0.1085	0.2748	0.6834	1.2463
65 mph	0.0022	0.0000	0.0009	0.0008	0.0192	0.0136	-	-	0.0368
70 mph	-	-	-	-	-	-	-	-	-
total	0.2253	0.0004	0.0935	0.0788	1.9872	1.4837	11.1219	27.9979	42.9887

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0034	0.0000	0.0014	0.0013	0.0461	0.0342	-	-	0.0863
15 mph	0.0028	0.0000	0.0011	0.0011	0.0301	0.0227	-	-	0.0577
20 mph	0.0023	0.0000	0.0009	0.0009	0.0256	0.0194	0.8865	2.3068	3.2425
25 mph	0.0038	0.0000	0.0016	0.0015	0.0455	0.0345	1.3537	3.3525	4.7931
30 mph	0.0066	0.0000	0.0027	0.0026	0.0826	0.0623	2.0380	5.0473	7.2422
35 mph	0.0134	0.0000	0.0056	0.0054	0.1862	0.1403	1.8207	4.5594	6.7310
40 mph	0.0139	0.0000	0.0058	0.0056	0.2013	0.1503	1.5299	3.8293	5.7361
45 mph	0.0108	0.0000	0.0044	0.0043	0.1572	0.1157	1.0548	2.6430	3.9901
50 mph	0.0121	0.0000	0.0050	0.0049	0.1855	0.1350	0.5205	1.2928	2.1559
55 mph	0.0071	0.0000	0.0029	0.0029	0.1075	0.0775	0.2678	0.6706	1.1363
60 mph	0.0046	0.0000	0.0019	0.0019	0.0652	0.0467	20.0265	49.8058	69.9525
65 mph	0.0017	0.0000	0.0007	0.0007	0.0220	0.0156	-	-	0.0408
70 mph	0.0857	0.0002	0.0350	0.0348	1.0246	0.7286	-	-	1.9088
total	0.1680	0.0003	0.0691	0.0679	2.1793	1.5827	29.4984	73.5075	107.0733

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0006	0.0004	0.0016	0.0029	0.0055
15 mph	0.0061	0.0000	0.0025	0.0032	0.0540	0.0407	0.3237	0.8382	1.2686
25 mph	-	-	-	-	0.1320	0.1002	1.0941	2.7094	4.0356
35 mph	0.0662	0.0001	0.0275	0.0119	-	-	-	-	0.1057
total	0.0722	0.0001	0.0300	0.0152	0.1866	0.1413	1.4194	3.5505	5.4154

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0006	0.0004	0.0016	0.0029	0.0055
10 mph	0.0251	0.0000	0.0104	0.0085	0.2472	0.1831	1.2676	3.3993	5.1413
15 mph	0.0160	0.0000	0.0067	0.0068	0.1365	0.1030	0.6560	1.6985	2.6234
20 mph	0.0140	0.0000	0.0058	0.0050	0.1151	0.0869	1.4541	3.7839	5.4649
25 mph	0.0530	0.0001	0.0221	0.0188	0.5740	0.4355	5.1720	12.8083	19.0839
30 mph	0.0535	0.0001	0.0223	0.0191	0.4790	0.3610	4.2128	10.4336	15.5814
35 mph	0.1143	0.0002	0.0475	0.0296	0.5109	0.3851	2.6951	6.7489	10.5314
40 mph	0.0247	0.0000	0.0102	0.0094	0.3067	0.2290	2.4204	6.0583	9.0587
45 mph	0.0195	0.0000	0.0080	0.0074	0.2428	0.1787	1.7301	4.3353	6.5219
50 mph	0.0209	0.0000	0.0086	0.0080	0.2753	0.2004	1.6037	3.9832	6.1001
55 mph	0.0144	0.0000	0.0059	0.0055	0.1826	0.1316	0.5250	1.3147	2.1796
60 mph	0.0205	0.0000	0.0084	0.0075	0.2167	0.1552	20.3013	50.4892	71.1988
65 mph	0.0039	0.0000	0.0016	0.0015	0.0412	0.0292	-	-	0.0776
70 mph	0.0857	0.0002	0.0350	0.0348	1.0246	0.7286	-	-	1.9088
total	0.4655	0.0009	0.1926	0.1619	4.3532	3.2077	42.0397	105.0559	155.4773

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.5205	0.5205
15 mph								0.1456	0.1456
20 mph								0.2542	0.2542
25 mph								1.2895	1.2895
30 mph								1.1093	1.1093
35 mph								0.4767	0.4767
40 mph								0.5092	0.5092
45 mph								0.3936	0.3936
50 mph								0.6204	0.6204
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.3191	5.3191

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.3970	0.3970
25 mph								0.6408	0.6408
30 mph								1.0395	1.0395
35 mph								0.9927	0.9927
40 mph								0.8749	0.8749
45 mph								0.6147	0.6147
50 mph								0.2981	0.2981
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.0701	3.0701

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0006	0.0006
15 mph								0.1418	0.1418
25 mph								0.5179	0.5179
35 mph								-	-
total	-	-	-	-	-	-	-	0.6603	0.6603

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0006	0.0006
10 mph								0.5205	0.5205
15 mph								0.2874	0.2874
20 mph								0.6513	0.6513
25 mph								2.4483	2.4483
30 mph								2.1488	2.1488
35 mph								1.4695	1.4695
40 mph								1.3841	1.3841
45 mph								1.0084	1.0084
50 mph								0.9185	0.9185
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	10.8372	10.8372

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0022	0.0009	0.0023	0.0035	0.0088
10 mph	0.2078	0.0166	0.0892	0.0246	0.2587	0.1868	1.2791	3.9213	5.9841
15 mph	0.1398	0.0113	0.0601	0.0200	0.1449	0.1057	0.6627	1.9868	3.1313
20 mph	0.1330	0.0108	0.0571	0.0154	0.1227	0.0894	1.4697	4.4373	6.3354
25 mph	0.5442	0.0444	0.2329	0.0613	0.6127	0.4481	5.2299	15.2645	22.4379
30 mph	0.5859	0.0480	0.2498	0.0653	0.5120	0.3717	4.2626	12.5892	18.6845
35 mph	1.3041	0.1070	0.5536	0.1039	0.5442	0.3959	2.7285	8.2230	13.9602
40 mph	0.2879	0.0237	0.1221	0.0337	0.3263	0.2354	2.4517	7.4467	10.9273
45 mph	0.2269	0.0187	0.0963	0.0265	0.2583	0.1837	1.7530	5.3468	7.9100
50 mph	0.2402	0.0198	0.1018	0.0283	0.2919	0.2058	1.6248	4.9046	7.4171
55 mph	0.1602	0.0132	0.0681	0.0188	0.1932	0.1350	0.5318	1.3156	2.4360
60 mph	0.2193	0.0181	0.0936	0.0251	0.2296	0.1594	20.5550	50.5241	71.8242
65 mph	0.0398	0.0033	0.0169	0.0048	0.0438	0.0301	-	-	0.1386
70 mph	0.8452	0.0695	0.3526	0.1099	1.0915	0.7495	-	-	3.2182
STREX	1.0824	0.0897	0.4445	0.1336	0.0884	0.0258	0.0396	0.0000	1.9040
total	6.0166	0.4939	2.5386	0.6711	4.7203	3.3232	42.5908	115.9633	**176.3177**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0186	0.0202	0.0203	0.0213	0.0310	0.0312	0.0299	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.0824	0.0897	0.4445	0.1336	0.0884	0.0258	0.0396	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	1.0824	0.0897	0.4445	0.1336	0.0884	0.0258	0.0396	0.0000

World Logistics Center
Mobile Emissions - 2035 Buildout (Project) - Unmitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.7508	1.7736	3.3724	2.3482
10 mph	0.0035	0.0055	0.0058	0.0064	0.0059	0.0054	0.0122	0.2946
15 mph	0.0023	0.0037	0.0039	0.0042	0.0039	0.0036	0.0081	0.1958
20 mph	0.0016	0.0026	0.0027	0.0030	0.0027	0.0025	0.0057	0.1371
25 mph	0.0012	0.0019	0.0020	0.0022	0.0020	0.0019	0.0042	0.1013
30 mph	0.0009	0.0015	0.0016	0.0017	0.0016	0.0014	0.0033	0.0790
35 mph	0.0008	0.0012	0.0013	0.0014	0.0013	0.0012	0.0027	0.0649
40 mph	0.0007	0.0011	0.0011	0.0012	0.0011	0.0010	0.0023	0.0564
45 mph	0.0006	0.0010	0.0010	0.0011	0.0010	0.0009	0.0021	0.0517
50 mph	0.0006	0.0010	0.0010	0.0011	0.0010	0.0009	0.0020	0.0499
55 mph	0.0006	0.0010	0.0010	0.0011	0.0010	0.0009	0.0021	0.0507
60 mph	0.0006	0.0010	0.0011	0.0012	0.0011	0.0010	0.0022	0.0542
65 mph	0.0007	0.0011	0.0012	0.0013	0.0012	0.0011		
70 mph	0.0008	0.0013	0.0012	0.0014	0.0014	0.0012		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0235	0.1098
10 mph	0.0032	0.0095	0.0092	0.0036	0.0260	0.0261	0.0016	0.0037
15 mph	0.0015	0.0049	0.0045	0.0018	0.0128	0.0129	0.0009	0.0021
20 mph	0.0006	0.0022	0.0017	0.0007	0.0052	0.0052	0.0006	0.0013
25 mph	0.0004	0.0014	0.0010	0.0004	0.0032	0.0032	0.0005	0.0011
30 mph	0.0003	0.0011	0.0008	0.0003	0.0024	0.0025	0.0004	0.0009
35 mph	0.0002	0.0009	0.0006	0.0003	0.0020	0.0020	0.0003	0.0007
40 mph	0.0002	0.0007	0.0005	0.0002	0.0016	0.0017	0.0003	0.0006
45 mph	0.0002	0.0007	0.0004	0.0002	0.0014	0.0015	0.0002	0.0006
50 mph	0.0001	0.0006	0.0004	0.0002	0.0013	0.0013	0.0002	0.0006
55 mph	0.0001	0.0006	0.0003	0.0001	0.0011	0.0012	0.0003	0.0006
60 mph	0.0001	0.0006	0.0003	0.0001	0.0011	0.0011	0.0003	0.0007
65 mph	0.0001	0.0006	0.0003	0.0001	0.0012	0.0012		
70 mph	0.0001	0.0004	0.0003	0.0001	0.0016	0.0016		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.8656
10 mph								10.5313
15 mph								7.3288
20 mph								5.2433
25 mph								3.8449
30 mph								2.8421
35 mph								2.1020
40 mph								1.5562
45 mph								1.1541
50 mph								0.8585
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1227	0.0147	0.0764	0.0157	0.0086	0.0023	0.0101	0.0023	0.2528
15 mph	0.0325	0.0039	0.0204	0.0042	0.0023	0.0006	0.0022	0.0005	0.0667
20 mph	0.0456	0.0056	0.0287	0.0059	0.0032	0.0008	0.0031	0.0007	0.0937
25 mph	0.1683	0.0206	0.1062	0.0218	0.0117	0.0031	0.0127	0.0029	0.3473
30 mph	0.1441	0.0177	0.0908	0.0187	0.0100	0.0027	0.0090	0.0020	0.2950
35 mph	0.0969	0.0119	0.0608	0.0126	0.0068	0.0018	0.0033	0.0007	0.1947
40 mph	0.0280	0.0034	0.0176	0.0036	0.0020	0.0005	0.0032	0.0007	0.0591
45 mph	0.0215	0.0026	0.0134	0.0028	0.0015	0.0004	0.0023	0.0005	0.0451
50 mph	0.0207	0.0025	0.0129	0.0027	0.0014	0.0004	0.0037	0.0008	0.0452
55 mph	0.0169	0.0021	0.0105	0.0022	0.0012	0.0003	0.0009	0.0002	0.0341
60 mph	0.0356	0.0043	0.0221	0.0046	0.0025	0.0007	0.0009	0.0002	0.0708
65 mph	0.0050	0.0006	0.0031	0.0006	0.0004	0.0001	-	-	0.0097
70 mph	-	-	-	-	-	-	-	-	-
total	0.7379	0.0899	0.4628	0.0954	0.0515	0.0137	0.0516	0.0116	1.5143

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0189	0.0023	0.0118	0.0028	0.0020	0.0005	-	-	0.0383
15 mph	0.0125	0.0015	0.0079	0.0018	0.0013	0.0003	-	-	0.0254
20 mph	0.0088	0.0011	0.0055	0.0013	0.0009	0.0002	0.0049	0.0011	0.0239
25 mph	0.0130	0.0016	0.0082	0.0019	0.0013	0.0004	0.0063	0.0014	0.0341
30 mph	0.0202	0.0025	0.0127	0.0030	0.0021	0.0006	0.0084	0.0019	0.0514
35 mph	0.0373	0.0046	0.0234	0.0056	0.0039	0.0010	0.0069	0.0016	0.0843
40 mph	0.0360	0.0044	0.0226	0.0054	0.0037	0.0010	0.0055	0.0012	0.0799
45 mph	0.0265	0.0032	0.0166	0.0039	0.0027	0.0007	0.0037	0.0008	0.0582
50 mph	0.0288	0.0035	0.0179	0.0043	0.0030	0.0008	0.0018	0.0004	0.0605
55 mph	0.0163	0.0020	0.0101	0.0024	0.0017	0.0004	0.0009	0.0002	0.0340
60 mph	0.0103	0.0012	0.0064	0.0015	0.0011	0.0003	0.0672	0.0152	0.1031
65 mph	0.0038	0.0005	0.0024	0.0006	0.0004	0.0001	-	-	0.0077
70 mph	0.1971	0.0240	0.1154	0.0287	0.0208	0.0052	-	-	0.3913
total	0.4296	0.0523	0.2609	0.0632	0.0450	0.0117	0.1056	0.0238	0.9921

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2078	0.0612	0.1865	0.0016	0.4570
15 mph	0.0275	0.0033	0.0173	0.0055	0.0023	0.0006	0.0022	0.0005	0.0593
25 mph	-	-	-	-	0.0039	0.0010	0.0051	0.0011	0.0112
35 mph	0.1847	0.0226	0.1158	0.0123	-	-	-	-	0.3354
total	0.2122	0.0260	0.1331	0.0178	0.2140	0.0628	0.1938	0.0032	0.8629

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2078	0.0612	0.1865	0.0016	0.4570
10 mph	0.1417	0.0170	0.0882	0.0185	0.0106	0.0028	0.0101	0.0023	0.2911
15 mph	0.0726	0.0088	0.0456	0.0115	0.0059	0.0016	0.0044	0.0010	0.1514
20 mph	0.0544	0.0066	0.0343	0.0072	0.0041	0.0011	0.0080	0.0018	0.1176
25 mph	0.1813	0.0222	0.1144	0.0237	0.0169	0.0045	0.0242	0.0054	0.3926
30 mph	0.1643	0.0201	0.1035	0.0217	0.0121	0.0032	0.0174	0.0039	0.3464
35 mph	0.3189	0.0391	0.2000	0.0304	0.0106	0.0028	0.0102	0.0023	0.6144
40 mph	0.0641	0.0079	0.0402	0.0090	0.0057	0.0015	0.0087	0.0020	0.1390
45 mph	0.0480	0.0059	0.0300	0.0067	0.0042	0.0011	0.0060	0.0014	0.1033
50 mph	0.0495	0.0061	0.0309	0.0070	0.0044	0.0012	0.0054	0.0012	0.1057
55 mph	0.0331	0.0040	0.0206	0.0046	0.0029	0.0008	0.0018	0.0004	0.0681
60 mph	0.0458	0.0055	0.0284	0.0061	0.0036	0.0009	0.0681	0.0154	0.1739
65 mph	0.0088	0.0011	0.0054	0.0012	0.0008	0.0002	-	-	0.0175
70 mph	0.1971	0.0240	0.1154	0.0287	0.0208	0.0052	-	-	0.3913
total	1.3796	0.1681	0.8569	0.1763	0.3105	0.0882	0.3510	0.0387	3.3693

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0013	0.0000	0.0012	0.0003	0.0396	0.0263	0.0078	0.0337	0.1101
15 mph	0.0003	0.0000	0.0002	0.0001	0.0078	0.0052	0.0014	0.0063	0.0213
20 mph	0.0002	0.0000	0.0002	0.0000	0.0063	0.0042	0.0019	0.0079	0.0208
25 mph	0.0006	0.0000	0.0005	0.0001	0.0193	0.0130	0.0084	0.0355	0.0775
30 mph	0.0005	0.0000	0.0004	0.0001	0.0163	0.0110	0.0062	0.0261	0.0606
35 mph	0.0003	0.0000	0.0003	0.0001	0.0108	0.0073	0.0023	0.0096	0.0306
40 mph	0.0001	0.0000	0.0001	0.0000	0.0030	0.0020	0.0022	0.0092	0.0166
45 mph	0.0001	0.0000	0.0001	0.0000	0.0022	0.0015	0.0016	0.0068	0.0122
50 mph	0.0001	0.0000	0.0000	0.0000	0.0019	0.0013	0.0026	0.0111	0.0170
55 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0009	0.0007	0.0028	0.0059
60 mph	0.0001	0.0000	0.0001	0.0000	0.0027	0.0018	0.0008	0.0033	0.0087
65 mph	0.0000	0.0000	0.0000	0.0000	0.0004	0.0002	-	-	0.0006
70 mph	-	-	-	-	-	-	-	-	-
total	0.0035	0.0000	0.0031	0.0008	0.1116	0.0748	0.0359	0.1523	0.3820

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0002	0.0000	0.0002	0.0001	0.0091	0.0060	-	-	0.0155
15 mph	0.0001	0.0000	0.0001	0.0000	0.0045	0.0030	-	-	0.0077
20 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0012	0.0030	0.0124	0.0185
25 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0015	0.0042	0.0176	0.0256
30 mph	0.0001	0.0000	0.0001	0.0000	0.0034	0.0023	0.0058	0.0245	0.0361
35 mph	0.0001	0.0000	0.0001	0.0000	0.0062	0.0042	0.0048	0.0201	0.0354
40 mph	0.0001	0.0000	0.0001	0.0000	0.0057	0.0039	0.0037	0.0158	0.0295
45 mph	0.0001	0.0000	0.0001	0.0000	0.0040	0.0027	0.0025	0.0106	0.0199
50 mph	0.0001	0.0000	0.0001	0.0000	0.0040	0.0027	0.0013	0.0053	0.0134
55 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0014	0.0007	0.0029	0.0071
60 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0008	0.0565	0.2398	0.2982
65 mph	0.0000	0.0000	0.0000	0.0000	0.0004	0.0003	-	-	0.0007
70 mph	0.0003	0.0000	0.0003	0.0001	0.0251	0.0170	-	-	0.0427
total	0.0013	0.0000	0.0011	0.0003	0.0695	0.0468	0.0824	0.3490	0.5504

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0184	0.0122	0.0078	0.0660	0.1043
15 mph	0.0002	0.0000	0.0002	0.0001	0.0080	0.0054	0.0014	0.0061	0.0214
25 mph	-	-	-	-	0.0064	0.0043	0.0034	0.0143	0.0284
35 mph	0.0006	0.0000	0.0006	0.0001	-	-	-	-	0.0012
total	0.0008	0.0000	0.0007	0.0002	0.0329	0.0219	0.0125	0.0863	0.1554

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0184	0.0122	0.0078	0.0660	0.1043
10 mph	0.0015	0.0000	0.0014	0.0004	0.0486	0.0323	0.0078	0.0337	0.1256
15 mph	0.0006	0.0000	0.0005	0.0002	0.0203	0.0135	0.0028	0.0123	0.0503
20 mph	0.0002	0.0000	0.0002	0.0001	0.0081	0.0054	0.0050	0.0203	0.0394
25 mph	0.0006	0.0000	0.0006	0.0002	0.0280	0.0188	0.0159	0.0674	0.1316
30 mph	0.0006	0.0000	0.0005	0.0001	0.0197	0.0133	0.0120	0.0506	0.0966
35 mph	0.0011	0.0000	0.0010	0.0002	0.0169	0.0114	0.0070	0.0297	0.0673
40 mph	0.0002	0.0000	0.0002	0.0001	0.0088	0.0059	0.0059	0.0251	0.0461
45 mph	0.0001	0.0000	0.0001	0.0000	0.0061	0.0042	0.0041	0.0174	0.0321
50 mph	0.0001	0.0000	0.0001	0.0000	0.0059	0.0040	0.0039	0.0164	0.0304
55 mph	0.0001	0.0000	0.0001	0.0000	0.0034	0.0023	0.0014	0.0058	0.0130
60 mph	0.0001	0.0000	0.0001	0.0000	0.0038	0.0026	0.0572	0.2431	0.3070
65 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0005	-	-	0.0013
70 mph	0.0003	0.0000	0.0003	0.0001	0.0251	0.0170	-	-	0.0427
total	0.0056	0.0000	0.0050	0.0013	0.2139	0.1435	0.1308	0.5877	1.0879

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								6.7332	6.7332
15 mph								1.5619	1.5619
20 mph								2.2349	2.2349
25 mph								9.0135	9.0135
30 mph								6.0569	6.0569
35 mph								2.0159	2.0159
40 mph								1.6583	1.6583
45 mph								0.9838	0.9838
50 mph								1.1893	1.1893
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	31.4476	31.4476

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								3.4904	3.4904
25 mph								4.4791	4.4791
30 mph								5.6757	5.6757
35 mph								4.1978	4.1978
40 mph								2.8488	2.8488
45 mph								1.5365	1.5365
50 mph								0.5715	0.5715
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	17.8430	17.8430

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0795	0.0795
15 mph								1.5219	1.5219
25 mph								3.6199	3.6199
35 mph								-	-
total	-	-	-	-	-	-	-	5.2212	5.2212

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0795	0.0795
10 mph								6.7332	6.7332
15 mph								3.0837	3.0837
20 mph								5.7252	5.7252
25 mph								17.1125	17.1125
30 mph								11.7326	11.7326
35 mph								6.2137	6.2137
40 mph								4.5071	4.5071
45 mph								2.5204	2.5204
50 mph								1.7608	1.7608
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	59.4688	59.4688

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2262	0.0733	0.1942	0.1470	0.6408
10 mph	0.1432	0.0170	0.0896	0.0188	0.0592	0.0351	0.0179	6.7691	7.1499
15 mph	0.0732	0.0088	0.0461	0.0117	0.0262	0.0151	0.0073	3.0971	3.2855
20 mph	0.0547	0.0066	0.0345	0.0072	0.0122	0.0065	0.0130	5.7473	5.8822
25 mph	0.1819	0.0222	0.1149	0.0239	0.0449	0.0234	0.0401	17.1854	17.6367
30 mph	0.1649	0.0201	0.1040	0.0218	0.0318	0.0165	0.0294	11.7871	12.1757
35 mph	0.3200	0.0391	0.2010	0.0306	0.0276	0.0143	0.0173	6.2457	6.8954
40 mph	0.0643	0.0079	0.0404	0.0091	0.0145	0.0074	0.0146	4.5341	4.6922
45 mph	0.0481	0.0059	0.0302	0.0068	0.0104	0.0053	0.0101	2.5392	2.6558
50 mph	0.0497	0.0061	0.0310	0.0070	0.0103	0.0052	0.0093	1.7784	1.8970
55 mph	0.0332	0.0040	0.0206	0.0046	0.0062	0.0031	0.0031	0.0062	0.0810
60 mph	0.0459	0.0055	0.0285	0.0061	0.0074	0.0036	0.1253	0.2585	0.4809
65 mph	0.0088	0.0011	0.0054	0.0012	0.0015	0.0007	-	-	0.0188
70 mph	0.1974	0.0240	0.1157	0.0288	0.0459	0.0222	-	-	0.4340
STREX	1.3386	0.1197	0.6890	0.2136	0.0343	0.0099	0.0416	0.0000	2.4467
total	2.7238	0.2879	1.5508	0.3913	0.5588	0.2416	0.5234	60.0951	**66.3727**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0230	0.0270	0.0315	0.0340	0.0120	0.0119	0.0314	0.0002
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.3386	0.1197	0.6890	0.2136	0.0343	0.0099	0.0416	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	1.3386	0.1197	0.6890	0.2136	0.0343	0.0099	0.0416	0.0000

World Logistics Center
Mobile Emissions - 2035 Buildout (Project) - Unmitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,963.68	4,638.03	11,699.90	18,964.94
10 mph	391.87	461.13	458.33	561.90	1,297.09	1,495.95	2,649.86	3,085.79
15 mph	320.36	377.07	374.72	459.32	1,060.18	1,221.83	2,169.91	2,531.59
20 mph	266.42	313.55	311.62	381.97	881.58	1,016.36	1,803.47	2,109.28
25 mph	227.75	268.06	266.42	326.67	753.42	868.35	1,542.32	1,806.99
30 mph	202.15	237.89	236.47	290.09	668.77	770.89	1,369.73	1,604.76
35 mph	187.49	220.57	219.29	269.19	620.23	715.15	1,270.99	1,486.59
40 mph	181.61	213.66	212.41	260.74	600.43	692.34	1,229.76	1,436.90
45 mph	182.65	214.79	213.47	262.01	602.61	694.84	1,235.03	1,438.10
50 mph	188.08	221.15	219.77	269.84	620.30	715.03	1,270.61	1,475.93
55 mph	195.37	229.66	228.30	280.41	645.56	744.08	1,320.82	1,532.19
60 mph	201.05	236.74	235.51	289.65	671.73	774.26	1,373.93	1,590.39
65 mph	206.05	242.94	241.75	297.71	692.05	797.41		
70 mph	209.08	245.96	244.62	302.99	699.98	804.48		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,206.55	5,193.70	5,379.37	4,721.17
10 mph	335.38	681.91	447.50	556.56	839.71	940.07	1,624.14	2,398.61
15 mph	275.84	566.89	371.11	472.01	547.23	624.35	1,277.12	1,821.12
20 mph	226.28	465.37	304.89	392.02	466.89	533.07	1,090.92	1,563.35
25 mph	189.68	388.66	255.61	331.67	413.89	474.83	951.93	1,298.30
30 mph	164.31	334.16	221.00	286.64	376.13	428.56	835.97	1,140.20
35 mph	148.55	299.26	199.42	260.29	376.62	429.16	746.86	1,029.98
40 mph	139.01	278.89	186.11	243.51	366.54	413.77	684.59	943.69
45 mph	134.29	269.01	179.43	234.37	357.71	397.97	648.99	895.58
50 mph	134.66	268.78	179.70	235.66	375.21	412.92	640.53	876.16
55 mph	140.91	281.41	187.89	248.63	391.57	426.77	659.14	908.93
60 mph	152.75	305.24	203.54	269.20	395.47	428.26	704.12	964.39
65 mph	171.76	340.16	228.56	302.55	401.05	430.01		
70 mph	186.19	354.29	245.73	327.75	405.53	436.00		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								4,895.72
10 mph								3,993.23
15 mph								3,350.45
20 mph								2,925.80
25 mph								2,698.39
30 mph								2,553.34
35 mph								2,438.51
40 mph								2,344.30
45 mph								2,265.00
50 mph								2,196.95
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	13,667.83	1,229.16	6,014.68	1,386.85	1,876.43	628.71	2,198.88	23.74	27,026.29
15 mph	4,469.53	402.04	1,966.99	453.46	613.48	205.40	600.20	6.49	8,717.60
20 mph	7,433.98	668.62	3,271.49	754.20	1,020.27	341.72	997.69	10.82	14,498.80
25 mph	31,774.93	2,858.08	13,985.06	3,225.10	4,359.77	1,459.79	4,692.72	50.98	62,406.42
30 mph	31,023.12	2,790.02	13,654.12	3,150.30	4,256.90	1,425.54	3,788.71	41.16	60,129.87
35 mph	23,541.52	2,116.57	10,360.06	2,391.83	3,230.12	1,082.02	1,582.02	17.16	44,321.29
40 mph	7,601.02	683.43	3,344.92	772.25	1,042.33	349.17	1,700.77	18.43	15,512.31
45 mph	6,370.40	572.52	2,801.42	646.67	871.77	292.02	1,366.45	14.75	12,936.02
50 mph	6,560.02	589.47	2,884.08	666.01	897.35	300.51	2,284.45	24.61	14,206.51
55 mph	5,451.34	489.72	2,396.83	553.68	747.11	250.17	548.01	5.89	10,442.78
60 mph	11,219.57	1,009.65	4,945.00	1,143.84	1,554.81	520.64	570.05	6.12	20,969.68
65 mph	1,437.31	129.51	634.50	146.96	200.23	67.03	-	-	2,615.54
70 mph	-	-	-	-	-	-	-	-	-
total	150,550.58	13,538.80	66,259.14	15,291.15	20,670.59	6,922.74	20,329.95	220.16	293,783.11

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	2,107.85	189.56	927.58	245.07	430.32	144.18	-	-	4,044.58
15 mph	1,723.23	155.01	758.37	200.33	351.73	117.76	-	-	3,306.42
20 mph	1,433.09	128.89	630.66	166.59	292.48	97.96	1,558.17	16.90	4,324.74
25 mph	2,450.17	220.39	1,078.39	284.95	499.91	167.39	2,331.96	25.34	7,058.49
30 mph	4,349.44	391.16	1,914.31	506.08	887.49	297.20	3,550.28	38.57	11,934.54
35 mph	9,076.44	816.04	3,994.32	1,056.65	1,851.92	620.35	3,294.35	35.73	20,745.80
40 mph	9,768.58	878.32	4,298.78	1,137.20	1,991.98	667.30	2,921.85	31.66	21,695.67
45 mph	7,859.55	706.36	3,456.28	914.19	1,599.39	535.76	2,134.10	23.04	17,228.67
50 mph	9,105.18	818.18	4,003.05	1,059.22	1,852.11	620.24	1,097.79	11.82	18,567.60
55 mph	5,254.41	472.03	2,310.25	611.50	1,070.85	358.58	570.59	6.14	10,654.35
60 mph	3,244.28	291.95	1,429.91	378.99	668.56	223.87	41,546.88	445.96	48,230.41
65 mph	1,108.31	99.87	489.26	129.85	229.60	76.86	-	-	2,133.74
70 mph	51,733.32	4,650.97	22,773.57	6,078.86	10,682.41	3,566.75	-	-	99,485.88
total	109,213.86	9,818.73	48,064.73	12,769.49	22,408.75	7,494.20	59,005.97	635.16	269,410.89

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	470.46	159.93	646.86	12.95	1,290.20
15 mph	3,782.04	340.20	1,664.43	597.43	631.79	211.53	584.82	6.33	7,818.56
25 mph	-	-	-	-	1,451.41	485.98	1,884.63	20.48	3,842.49
35 mph	44,884.60	4,035.48	19,752.63	2,332.68	-	-	-	-	71,005.39
total	48,666.63	4,375.68	21,417.06	2,930.11	2,553.66	857.44	3,116.31	39.75	83,956.64

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	470.46	159.93	646.86	12.95	1,290.20
10 mph	15,775.69	1,418.72	6,942.26	1,631.92	2,306.76	772.90	2,198.88	23.74	31,070.86
15 mph	9,974.79	897.25	4,389.79	1,251.21	1,597.00	534.70	1,185.03	12.82	19,842.59
20 mph	8,867.07	797.52	3,902.15	920.80	1,312.75	439.68	2,555.86	27.72	18,823.54
25 mph	34,225.09	3,078.46	15,063.45	3,510.05	6,311.09	2,113.16	8,909.30	96.79	73,307.40
30 mph	35,372.56	3,181.18	15,568.43	3,656.38	5,144.39	1,722.74	7,338.99	79.73	72,064.41
35 mph	77,502.55	6,968.09	34,107.01	5,781.16	5,082.04	1,702.36	4,876.37	52.89	136,072.48
40 mph	17,369.59	1,561.75	7,643.70	1,909.45	3,034.31	1,016.47	4,622.62	50.09	37,207.98
45 mph	14,229.96	1,278.88	6,257.69	1,560.86	2,471.16	827.79	3,500.55	37.80	30,164.68
50 mph	15,665.20	1,407.65	6,887.13	1,725.23	2,749.46	920.75	3,382.24	36.43	32,774.10
55 mph	10,705.76	961.75	4,707.08	1,165.18	1,817.97	608.75	1,118.60	12.03	21,097.13
60 mph	14,463.86	1,301.60	6,374.90	1,522.84	2,223.37	744.52	42,116.93	452.08	69,200.09
65 mph	2,545.63	229.38	1,123.76	276.81	429.83	143.88	-	-	4,749.28
70 mph	51,733.32	4,650.97	22,773.57	6,078.86	10,682.41	3,566.75	-	-	99,485.88
total	308,431.08	27,733.21	135,740.93	30,990.75	45,632.99	15,274.38	82,452.23	895.08	647,150.64

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	138.49	0.27	57.16	46.22	1,279.43	947.39	8,064.33	21,625.90	32,159.20
15 mph	45.56	0.09	18.96	15.68	333.52	251.68	2,113.76	5,473.07	8,252.32
20 mph	74.75	0.15	31.15	26.04	569.10	429.78	3,611.17	9,396.79	14,138.94
25 mph	313.31	0.61	130.60	110.17	2,522.53	1,914.10	17,331.02	42,920.01	65,242.35
30 mph	298.54	0.58	124.20	104.74	2,521.59	1,900.33	13,836.12	34,266.92	53,053.03
35 mph	220.83	0.42	91.70	77.82	2,065.83	1,557.01	5,562.54	13,929.41	23,505.55
40 mph	68.88	0.13	28.53	24.27	670.18	500.39	5,665.30	14,180.49	21,138.17
45 mph	55.45	0.11	22.92	19.46	545.03	401.07	4,296.58	10,766.11	16,106.73
50 mph	55.61	0.11	22.95	19.57	571.69	416.13	6,890.94	17,115.55	25,092.56
55 mph	46.55	0.09	19.20	16.52	477.30	344.07	1,636.41	4,097.45	6,637.58
60 mph	100.92	0.19	41.60	35.77	964.10	690.56	1,748.09	4,347.49	7,928.72
65 mph	14.19	0.03	5.84	5.03	122.21	86.67	-	-	233.96
70 mph	-	-	-	-	-	-	-	-	-
total	1,433.08	2.77	594.81	501.28	12,642.51	9,439.18	70,756.26	178,119.19	273,489.09

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	21.36	0.04	8.82	8.17	293.41	217.27	-	-	549.06
15 mph	17.57	0.03	7.31	6.93	191.21	144.30	-	-	367.35
20 mph	14.41	0.03	6.01	5.75	163.14	123.20	5,639.87	14,675.73	20,628.14
25 mph	24.16	0.05	10.07	9.73	289.25	219.48	8,612.31	21,328.27	30,493.32
30 mph	41.86	0.08	17.41	16.83	525.71	396.19	12,965.40	32,110.48	46,073.95
35 mph	85.14	0.16	35.35	34.38	1,184.40	892.67	11,583.30	29,006.26	42,821.67
40 mph	88.53	0.17	36.66	35.73	1,280.77	956.30	9,732.77	24,361.51	36,492.44
45 mph	68.42	0.13	28.28	27.51	999.93	735.82	6,710.32	16,814.32	25,384.73
50 mph	77.18	0.15	31.86	31.12	1,179.96	858.89	3,311.43	8,224.85	13,715.44
55 mph	44.87	0.09	18.51	18.24	684.12	493.16	1,703.81	4,266.21	7,229.01
60 mph	29.18	0.06	12.03	11.85	414.56	296.94	127,406.42	316,858.83	445,029.86
65 mph	10.94	0.02	4.50	4.44	140.14	99.38	-	-	259.42
70 mph	545.43	0.99	222.66	221.25	6,518.17	4,635.23	-	-	12,143.73
total	1,069.03	2.00	439.46	431.94	13,864.78	10,068.81	187,665.63	467,646.46	681,188.10

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	400.85	429.44	1,779.63	2,836.07	5,446.00
15 mph	38.55	0.08	16.04	20.66	343.47	259.19	2,059.58	5,332.81	8,070.38
25 mph	-	-	-	-	839.78	637.22	6,960.26	17,236.97	25,674.22
35 mph	421.03	0.81	174.83	75.89	-	-	-	-	672.56
total	459.58	0.88	190.88	96.55	1,584.10	1,325.86	10,799.47	25,405.85	39,863.17

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	400.85	429.44	1,779.63	2,836.07	5,446.00
10 mph	159.85	0.31	65.97	54.39	1,572.84	1,164.66	8,064.33	21,625.90	32,708.26
15 mph	101.68	0.20	42.32	43.26	868.20	655.17	4,173.34	10,805.88	16,690.05
20 mph	89.16	0.17	37.16	31.80	732.24	552.98	9,251.04	24,072.52	34,767.08
25 mph	337.47	0.66	140.67	119.91	3,651.55	2,770.80	32,903.59	81,485.24	121,409.89
30 mph	340.39	0.66	141.62	121.56	3,047.30	2,296.52	26,801.52	66,377.40	99,126.97
35 mph	726.99	1.40	301.88	188.09	3,250.23	2,449.68	17,145.84	42,935.67	66,999.78
40 mph	157.41	0.30	65.19	60.00	1,950.95	1,456.69	15,398.07	38,542.00	57,630.61
45 mph	123.87	0.24	51.19	46.98	1,544.96	1,136.88	11,006.91	27,580.43	41,491.46
50 mph	132.79	0.25	54.81	50.69	1,751.66	1,275.02	10,202.37	25,340.41	38,808.00
55 mph	91.42	0.17	37.71	34.76	1,161.42	837.24	3,340.22	8,363.66	13,866.58
60 mph	130.11	0.25	53.63	47.62	1,378.65	987.49	129,154.51	321,206.32	452,958.57
65 mph	25.12	0.05	10.34	9.47	262.35	186.05	-	-	493.38
70 mph	545.43	0.99	222.66	221.25	6,518.17	4,635.23	-	-	12,143.73
total	2,961.70	5.65	1,225.14	1,029.77	28,091.39	20,833.84	269,221.37	671,171.49	994,540.36

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								2,553.06	2,553.06
15 mph								714.03	714.03
20 mph								1,247.07	1,247.07
25 mph								6,325.77	6,325.77
30 mph								5,441.59	5,441.59
35 mph								2,338.59	2,338.59
40 mph								2,498.04	2,498.04
45 mph								1,930.83	1,930.83
50 mph								3,043.34	3,043.34
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	26,092.33	26,092.33

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1,947.65	1,947.65
25 mph								3,143.47	3,143.47
30 mph								5,099.14	5,099.14
35 mph								4,869.82	4,869.82
40 mph								4,291.54	4,291.54
45 mph								3,015.54	3,015.54
50 mph								1,462.47	1,462.47
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	15,060.08	15,060.08

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								208.55	208.55
15 mph								695.74	695.74
25 mph								2,540.47	2,540.47
35 mph								-	-
total	-	-	-	-	-	-	-	3,444.75	3,444.75

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								208.55	208.55
10 mph								2,553.06	2,553.06
15 mph								1,409.77	1,409.77
20 mph								3,194.72	3,194.72
25 mph								12,009.70	12,009.70
30 mph								10,540.73	10,540.73
35 mph								7,208.41	7,208.41
40 mph								6,789.59	6,789.59
45 mph								4,946.38	4,946.38
50 mph								4,505.81	4,505.81
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	53,366.72	53,366.72

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	871.31	589.37	2,426.50	3,057.57	6,944.75
10 mph	15,935.53	1,419.03	7,008.24	1,686.30	3,879.60	1,937.55	10,263.21	24,202.71	66,332.18
15 mph	10,076.48	897.45	4,432.11	1,294.48	2,465.20	1,189.87	5,358.37	12,228.47	37,942.41
20 mph	8,956.23	797.69	3,939.31	952.59	2,044.99	992.66	11,806.90	27,294.96	56,785.34
25 mph	34,562.57	3,079.12	15,204.12	3,629.96	9,962.64	4,883.96	41,812.89	93,591.74	206,726.99
30 mph	35,712.95	3,181.85	15,710.05	3,777.94	8,191.69	4,019.27	34,140.50	76,997.86	181,732.11
35 mph	78,229.55	6,969.49	34,408.89	5,969.25	8,332.27	4,152.04	22,022.21	50,196.97	210,280.67
40 mph	17,527.01	1,562.05	7,708.89	1,969.46	4,985.26	2,473.15	20,020.70	45,381.67	101,628.18
45 mph	14,353.83	1,279.12	6,308.89	1,607.84	4,016.12	1,964.67	14,507.45	32,564.60	76,602.51
50 mph	15,797.99	1,407.91	6,941.94	1,775.93	4,501.12	2,195.77	13,584.61	29,882.65	76,087.92
55 mph	10,797.17	961.93	4,744.79	1,199.94	2,979.38	1,445.99	4,458.82	8,375.69	34,963.71
60 mph	14,593.96	1,301.84	6,428.53	1,570.46	3,602.02	1,732.01	171,271.44	321,658.40	522,158.67
65 mph	2,570.75	229.43	1,134.10	286.27	692.18	329.93	-	-	5,242.66
70 mph	52,278.75	4,651.96	22,996.23	6,300.11	17,200.58	8,201.98	-	-	111,629.60
STREX	2,398.28	216.45	1,082.95	382.40	46.82	15.55	41.98	0.46	4,184.88
total	313,791.05	27,955.31	138,049.01	32,402.92	73,771.19	36,123.77	351,715.58	725,433.76	**1,699,242.60**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	41.29	48.76	49.55	60.89	16.43	18.79	31.63	37.43
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2,398.28	216.45	1,082.95	382.40	46.82	15.55	41.98	0.46
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	2,398.28	216.45	1,082.95	382.40	46.82	15.55	41.98	0.46

B.7 Mobile Source Emissions (Project) Mitigated

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Project) - Mitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
79.80	1,283.68	1,210.92	10.97	12.85	293.39	141.48	447.72	12.22	72.01	55.52	139.75	9.12	121.85	35.77	1,167,473.13

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	PM10 Dust	PM10 Brake	PM10 Total	PM2.5 Exhaust	PM2.5 Dust	PM2.5 Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
14.56	234.27	220.99	2.00	2.35	53.54	25.82	81.71	2.23	13.14	10.13	25.50	1.66	22.24	6.53	213,063.85

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Project) - Mitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	15,675.97	158.38	473.33	313,635.86	3,168.70	9,470.11
LDT1	1,186.00	0.47	16.73	23,728.76	9.35	334.65
LDT2	5,869.20	44.98	107.19	117,427.61	899.85	2,144.64
MDT	1,679.46	43.15	28.38	24,885.13	639.41	420.55
LHDT1	839.69	663.57	-	20,040.23	15,837.05	-
LHDT2	255.97	466.76	-	6,109.12	11,139.94	-
MHDT	399.28	2,045.75	-	17,578.76	90,065.83	-
HHDT	2.70	3,859.67	214.59	118.99	169,925.30	9,447.59

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	163,070.91	1,647.52	4,923.86	150,564.96	1,521.17	4,546.25
LDT1	12,337.46	4.86	173.99	11,391.30	4.49	160.65
LDT2	61,054.97	467.87	1,115.08	56,372.65	431.98	1,029.56
MDT	11,557.29	296.96	195.31	13,327.84	342.45	225.23
LHDT1	7,878.34	6,225.96	-	12,161.89	9,611.10	-
LHDT2	2,401.65	4,379.40	-	3,707.47	6,760.54	-
MHDT	3,680.46	18,857.08	-	13,898.30	71,208.75	-
HHDT	24.91	35,577.25	1,978.04	94.08	134,348.05	7,469.54

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	7%	0%	0%
15	1%	2%	0%	0%
20	6%	6%	1%	1%
25	25%	25%	2%	2%
30	24%	20%	3%	5%
35	14%	8%	4%	6%
40	6%	7%	6%	7%
45	4%	9%	13%	5%
50	4%	11%	11%	3%
55	7%	1%	8%	1%
60	5%	4%	4%	70%
65	0%	0%	2%	0%
70	0%	0%	47%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	7,338.19	555.19	2,747.47	520.08	354.53	108.07	257.63	1.74	11,882.90
15 mph	1,630.71	123.37	610.55	115.57	78.78	24.02	73.61	0.50	2,657.11
20 mph	9,784.25	740.25	3,663.30	693.44	472.70	144.10	220.83	1.49	15,720.36
25 mph	40,767.73	3,084.37	15,263.74	2,889.32	1,969.58	600.41	920.12	6.23	65,501.50
30 mph	39,137.02	2,960.99	14,653.19	2,773.75	1,890.80	576.40	736.09	4.98	62,733.22
35 mph	22,829.93	1,727.24	8,547.70	1,618.02	1,102.97	336.23	294.44	1.99	36,458.52
40 mph	9,784.25	740.25	3,663.30	693.44	472.70	144.10	257.63	1.74	15,757.41
45 mph	6,522.84	493.50	2,442.20	462.29	315.13	96.07	331.24	2.24	10,665.51
50 mph	6,522.84	493.50	2,442.20	462.29	315.13	96.07	404.85	2.74	10,739.62
55 mph	11,414.96	863.62	4,273.85	809.01	551.48	168.12	36.80	0.25	18,118.10
60 mph	7,338.19	555.19	2,747.47	520.08	354.53	108.07	147.22	1.00	11,771.74
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	163,070.91	12,337.46	61,054.97	11,557.29	7,878.34	2,401.65	3,680.46	24.91	262,005.99

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	1,505.65	113.91	563.73	133.28	121.62	37.07	138.98	0.94	2,615.18
25 mph	2,258.47	170.87	845.59	199.92	182.43	55.61	277.97	1.88	3,992.74
30 mph	3,764.12	284.78	1,409.32	333.20	304.05	92.69	694.91	4.70	6,887.77
35 mph	6,022.60	455.65	2,254.91	533.11	486.48	148.30	833.90	5.64	10,740.59
40 mph	9,033.90	683.48	3,382.36	799.67	729.71	222.45	972.88	6.59	15,831.03
45 mph	19,573.44	1,480.87	7,328.44	1,732.62	1,581.05	481.97	694.91	4.70	32,878.01
50 mph	16,562.15	1,253.04	6,200.99	1,466.06	1,337.81	407.82	416.95	2.82	27,647.64
55 mph	12,045.20	911.30	4,509.81	1,066.23	972.95	296.60	138.98	0.94	19,942.01
60 mph	6,022.60	455.65	2,254.91	533.11	486.48	148.30	9,728.81	65.85	19,695.71
65 mph	3,011.30	227.83	1,127.45	266.56	243.24	74.15	-	-	4,950.52
70 mph	70,765.53	5,353.91	26,495.14	6,264.09	5,716.09	1,742.51	-	-	116,337.27
total	150,564.96	11,391.30	56,372.65	13,327.84	12,161.89	3,707.47	13,898.30	94.08	261,518.48

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	34.98	10.66	16.64	0.13	62.42
15 mph	3,123.95	236.35	1,169.63	345.53	175.58	53.52	79.29	0.54	5,184.39
25 mph	-	-	-	-	516.70	157.51	345.76	2.34	1,022.31
35 mph	48,149.74	3,642.87	18,027.62	2,223.30	-	-	-	-	72,043.53
total	51,273.69	3,879.22	19,197.25	2,568.83	692.27	211.03	425.05	2.88	78,250.23

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	34.98	10.66	16.64	0.13	62.42
10 mph	7,338.19	555.19	2,747.47	520.08	354.53	108.07	257.63	1.74	11,882.90
15 mph	4,754.66	359.72	1,780.18	461.10	254.36	77.54	152.90	1.03	7,841.51
20 mph	11,289.90	854.16	4,227.02	826.72	594.32	181.17	359.81	2.44	18,335.54
25 mph	43,026.20	3,255.24	16,109.33	3,089.24	2,668.71	813.54	1,543.84	10.45	70,516.54
30 mph	42,901.14	3,245.77	16,062.51	3,106.95	2,194.85	669.08	1,431.01	9.69	69,620.99
35 mph	77,002.27	5,825.76	28,830.22	4,374.43	1,589.44	484.53	1,128.33	7.64	119,242.64
40 mph	18,818.15	1,423.73	7,045.66	1,493.11	1,202.41	366.55	1,230.51	8.33	31,588.45
45 mph	26,096.28	1,974.37	9,770.64	2,194.91	1,896.18	578.04	1,026.16	6.95	43,543.52
50 mph	23,084.98	1,746.54	8,643.19	1,928.35	1,652.94	503.89	821.80	5.56	38,387.26
55 mph	23,460.16	1,774.93	8,783.66	1,875.24	1,524.44	464.71	175.79	1.19	38,060.11
60 mph	13,360.79	1,010.84	5,002.38	1,053.19	841.00	256.37	9,876.03	66.85	31,467.45
65 mph	3,011.30	227.83	1,127.45	266.56	243.24	74.15	-	-	4,950.52
70 mph	70,765.53	5,353.91	26,495.14	6,264.09	5,716.09	1,742.51	-	-	116,337.27
total	364,909.56	27,607.98	136,624.87	27,453.96	20,732.50	6,320.15	18,003.82	121.87	601,774.70

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	74.14	0.22	21.05	13.36	280.17	197.07	1,320.00	2,490.41	4,396.42
15 mph	16.48	0.05	4.68	2.97	62.26	43.79	377.14	711.55	1,218.91
20 mph	98.85	0.29	28.07	17.82	373.56	262.76	1,131.42	2,134.64	4,047.41
25 mph	411.88	1.22	116.97	74.24	1,556.49	1,094.85	4,714.27	8,894.31	16,864.23
30 mph	395.41	1.17	112.29	71.27	1,494.23	1,051.06	3,771.42	7,115.45	14,012.28
35 mph	230.65	0.68	65.50	41.57	871.63	613.12	1,508.57	2,846.18	6,177.91
40 mph	98.85	0.29	28.07	17.82	373.56	262.76	1,320.00	2,490.41	4,591.76
45 mph	65.90	0.19	18.71	11.88	249.04	175.18	1,697.14	3,201.95	5,419.99
50 mph	65.90	0.19	18.71	11.88	249.04	175.18	2,074.28	3,913.50	6,508.68
55 mph	115.33	0.34	32.75	20.79	435.82	306.56	188.57	355.77	1,455.92
60 mph	74.14	0.22	21.05	13.36	280.17	197.07	754.28	1,423.09	2,763.39
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	1,647.52	4.86	467.87	296.96	6,225.96	4,379.40	18,857.08	35,577.25	67,456.90

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	15.21	0.04	4.32	3.42	96.11	67.61	712.09	1,343.48	2,242.29
25 mph	22.82	0.07	6.48	5.14	144.17	101.41	1,424.18	2,686.96	4,391.21
30 mph	38.03	0.11	10.80	8.56	240.28	169.01	3,560.44	6,717.40	10,744.63
35 mph	60.85	0.18	17.28	13.70	384.44	270.42	4,272.53	8,060.88	13,080.28
40 mph	91.27	0.27	25.92	20.55	576.67	405.63	4,984.61	9,404.36	15,509.28
45 mph	197.75	0.58	56.16	44.52	1,249.44	878.87	3,560.44	6,717.40	12,705.17
50 mph	167.33	0.49	47.52	37.67	1,057.22	743.66	2,136.26	4,030.44	8,220.60
55 mph	121.69	0.36	34.56	27.40	768.89	540.84	712.09	1,343.48	3,549.31
60 mph	60.85	0.18	17.28	13.70	384.44	270.42	49,846.13	94,043.64	144,636.63
65 mph	30.42	0.09	8.64	6.85	192.22	135.21	-	-	373.43
70 mph	714.95	2.11	203.03	160.95	4,517.21	3,177.45	-	-	8,775.72
total	1,521.17	4.49	431.98	342.45	9,611.10	6,760.54	71,208.75	134,348.05	224,228.54

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	27.65	19.45	85.25	160.83	293.17
15 mph	31.56	0.09	8.96	8.88	138.75	97.60	406.27	766.51	1,458.63
25 mph	-	-	-	-	408.33	287.22	1,771.52	3,342.29	5,809.35
35 mph	486.46	1.44	138.15	57.13	-	-	-	-	683.17
total	518.02	1.53	147.11	66.01	547.08	384.82	2,177.79	4,108.79	7,951.15

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	27.65	19.45	85.25	160.83	293.17
10 mph	74.14	0.22	21.05	13.36	280.17	197.07	1,320.00	2,490.41	4,396.42
15 mph	48.04	0.14	13.64	11.85	201.01	141.39	783.41	1,478.05	2,677.54
20 mph	114.06	0.34	32.39	21.24	469.67	330.37	1,843.51	3,478.12	6,289.70
25 mph	434.70	1.28	123.45	79.38	2,108.98	1,483.48	7,909.96	14,923.56	27,064.79
30 mph	433.43	1.28	123.09	79.83	1,734.51	1,220.07	7,331.85	13,832.85	24,756.92
35 mph	777.96	2.30	220.93	112.40	1,256.08	883.54	5,781.09	10,907.06	19,941.36
40 mph	190.12	0.56	53.99	38.36	950.22	668.40	6,304.61	11,894.77	20,101.04
45 mph	263.65	0.78	74.87	56.40	1,498.48	1,054.05	5,257.57	9,919.36	18,125.16
50 mph	233.23	0.69	66.23	49.55	1,306.26	918.84	4,210.54	7,943.94	14,729.27
55 mph	237.02	0.70	67.31	48.18	1,204.70	847.40	900.66	1,699.25	5,005.23
60 mph	134.99	0.40	38.33	27.06	664.61	467.49	50,600.41	95,466.73	147,400.02
65 mph	30.42	0.09	8.64	6.85	192.22	135.21	-	-	373.43
70 mph	714.95	2.11	203.03	160.95	4,517.21	3,177.45	-	-	8,775.72
total	3,686.72	10.88	1,046.96	705.42	16,384.13	11,524.76	92,243.62	174,034.10	299,636.60

Surface Street VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	221.57	7.83	50.18	8.79	-	-	-	138.46	426.83
15 mph	49.24	1.74	11.15	1.95	-	-	-	39.56	103.64
20 mph	295.43	10.44	66.90	11.72	-	-	-	118.68	503.18
25 mph	1,230.97	43.50	278.77	48.83	-	-	-	494.51	2,096.57
30 mph	1,181.73	41.76	267.62	46.88	-	-	-	395.61	1,933.59
35 mph	689.34	24.36	156.11	27.34	-	-	-	158.24	1,055.40
40 mph	295.43	10.44	66.90	11.72	-	-	-	138.46	522.96
45 mph	196.95	6.96	44.60	7.81	-	-	-	178.02	434.35
50 mph	196.95	6.96	44.60	7.81	-	-	-	217.58	473.91
55 mph	344.67	12.18	78.06	13.67	-	-	-	19.78	468.36
60 mph	221.57	7.83	50.18	8.79	-	-	-	79.12	367.49
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	4,923.86	173.99	1,115.08	195.31	-	-	-	1,978.04	8,386.29

Freeway VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	45.46	1.61	10.30	2.25	-	-	-	74.70	134.31
25 mph	68.19	2.41	15.44	3.38	-	-	-	149.39	238.82
30 mph	113.66	4.02	25.74	5.63	-	-	-	373.48	522.52
35 mph	181.85	6.43	41.18	9.01	-	-	-	448.17	686.64
40 mph	272.78	9.64	61.77	13.51	-	-	-	522.87	880.57
45 mph	591.01	20.88	133.84	29.28	-	-	-	373.48	1,148.50
50 mph	500.09	17.67	113.25	24.78	-	-	-	224.09	879.87
55 mph	363.70	12.85	82.36	18.02	-	-	-	74.70	551.63
60 mph	181.85	6.43	41.18	9.01	-	-	-	5,228.68	5,467.15
65 mph	90.93	3.21	20.59	4.50	-	-	-	-	119.23
70 mph	2,136.74	75.51	483.89	105.86	-	-	-	-	2,802.00
total	4,546.25	160.65	1,029.56	225.23	-	-	-	7,469.54	13,431.24

Internal VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	8.94	8.94
15 mph	94.33	3.33	21.36	5.84	-	-	-	42.62	167.48
25 mph	-	-	-	-	-	-	-	185.83	185.83
35 mph	1,453.86	51.38	329.25	37.57	-	-	-	-	1,872.06
total	1,548.19	54.71	350.61	43.41	-	-	-	228.44	2,225.36

Total VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	8.94	8.94
10 mph	221.57	7.83	50.18	8.79	-	-	-	138.46	426.83
15 mph	143.57	5.07	32.51	7.79	-	-	-	82.18	271.12
20 mph	340.89	12.05	77.20	13.97	-	-	-	193.38	637.49
25 mph	1,299.16	45.91	294.21	52.21	-	-	-	829.73	2,521.21
30 mph	1,295.38	45.78	293.36	52.51	-	-	-	769.09	2,456.11
35 mph	2,325.05	82.16	526.54	73.93	-	-	-	606.42	3,614.10
40 mph	568.21	20.08	128.68	25.23	-	-	-	661.33	1,403.53
45 mph	787.97	27.84	178.45	37.09	-	-	-	551.50	1,582.85
50 mph	697.04	24.63	157.85	32.59	-	-	-	441.67	1,353.79
55 mph	708.37	25.03	160.42	31.69	-	-	-	94.48	1,019.99
60 mph	403.42	14.26	91.36	17.80	-	-	-	5,307.80	5,834.64
65 mph	90.93	3.21	20.59	4.50	-	-	-	-	119.23
70 mph	2,136.74	75.51	483.89	105.86	-	-	-	-	2,802.00
total	5,625.63	198.79	1,274.00	209.19	-	-	-	2,619.25	24,042.89

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Project) - Mitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	15280	330	0.21	3208.9	3084.6	31.2	93.1
	LDT1	15	1127	330	0.21	236.8	233.4	0.1	3.3
	LDT2	15	5642	330	0.21	1184.8	1154.9	8.8	21.1
	MDT	15	1700	330	0.21	357.0	342.4	8.8	5.8
	LHDT1	15	1494	330	0.21	313.6	175.2	138.4	0.0
	LHDT2	15	718	330	0.21	150.8	53.4	97.4	0.0
	MHDT	15	2286	330	0.21	480.2	78.4	401.7	0.0
	HHDT	15	3813	330	0.21	800.6	0.5	758.0	42.1
Travel at Light Logistics	LDA	15	45	175	0.11	4.9	4.7	0.0	0.1
	LDT1	15	3	175	0.11	0.4	0.4	0.0	0.0
	LDT2	15	16	175	0.11	1.8	1.8	0.0	0.0
	MDT	15	4	175	0.11	0.5	0.4	0.0	0.0
	LHDT1	15	2	175	0.11	0.3	0.1	0.1	0.0
	LHDT2	15	1	175	0.11	0.1	0.0	0.1	0.0
	MHDT	15	3	175	0.11	0.3	0.1	0.3	0.0
	HHDT	15	5	175	0.11	0.6	0.0	0.5	0.0
Travel at Utility	LDA	15	219	100	0.06	13.1	12.6	0.1	0.4
	LDT1	15	16	100	0.06	1.0	1.0	0.0	0.0
	LDT2	15	81	100	0.06	4.9	4.7	0.0	0.1
	MDT	15	47	100	0.06	2.8	2.7	0.1	0.0
	LHDT1	15	7	100	0.06	0.4	0.2	0.2	0.0
	LHDT2	15	3	100	0.06	0.2	0.1	0.1	0.0
	MHDT	15	14	100	0.06	0.8	0.1	0.7	0.0
	HHDT	15	23	100	0.06	1.4	0.0	1.3	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	142	50	0.03	4.3	0.7	3.6	0.0
	HHDT	15	237	50	0.03	7.1	0.0	6.7	0.4
Travel at Convenience Store	LDA	15	669	50	0.03	20.1	19.3	0.2	0.6
	LDT1	15	49	50	0.03	1.5	1.5	0.0	0.0
	LDT2	15	247	50	0.03	7.4	7.2	0.1	0.1
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	95	50	0.03	2.8	2.7	0.0	0.1
	LDT1	15	7	50	0.03	0.2	0.2	0.0	0.0
	LDT2	15	35	50	0.03	1.1	1.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	3123.9	236.3	1169.6	345.5	175.6	53.5	79.3	0.5
Diesel	31.6	0.1	9.0	8.9	138.8	97.6	406.3	766.5
Electric/Natural Gas (HHDT Only)	94.3	3.3	21.4	5.8	0.0	0.0	0.0	42.6

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Project) - Mitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	747	417	330	0	2085.6	1648.2	0.0
	LHDT2	5	359	127	232	0	635.8	1159.3	0.0
	MHDT	5	1143	187	957	0	933.5	4782.7	0.0
	HHDT	5	1906	1	1805	100	6.3	9023.4	501.7
Travel at Light Logistics	LHDT1	5	1	1	1	0	3.4	2.7	0.0
	LHDT2	5	1	0	0	0	1.0	1.9	0.0
	MHDT	5	2	0	1	0	1.2	6.3	0.0
	HHDT	5	3	0	2	0	0.0	11.8	0.7
Travel at Utility	LHDT1	5	4	2	2	0	9.9	7.9	0.0
	LHDT2	5	2	1	1	0	3.0	5.5	0.0
	MHDT	5	7	1	6	0	5.5	28.4	0.0
	HHDT	5	11	0	11	1	0.0	53.6	3.0
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	71	12	59	0	58.1	297.5	0.0
	HHDT	5	119	0	112	6	0.4	561.3	31.2
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	35.0	10.7	16.6	0.1
Diesel	27.6	19.4	85.2	160.8
Electric**/Natural Gas (HHDT Only)**	0.0	0.0	0.0	8.9

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Project) - Mitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					16.5775	16.7147	27.0246	11.9128
10 mph	0.0266	0.0724	0.0480	0.0606	0.0762	0.0552	0.1335	1.5332
15 mph	0.0179	0.0493	0.0324	0.0409	0.0522	0.0374	0.0896	1.0155
20 mph	0.0126	0.0355	0.0231	0.0291	0.0384	0.0268	0.0638	0.7219
25 mph	0.0093	0.0266	0.0171	0.0216	0.0291	0.0199	0.0467	0.5364
30 mph	0.0072	0.0210	0.0133	0.0169	0.0232	0.0156	0.0358	0.4214
35 mph	0.0059	0.0174	0.0109	0.0138	0.0196	0.0129	0.0291	0.3503
40 mph	0.0051	0.0152	0.0095	0.0120	0.0175	0.0114	0.0255	0.3071
45 mph	0.0047	0.0139	0.0087	0.0111	0.0164	0.0105	0.0232	0.2830
50 mph	0.0045	0.0134	0.0083	0.0106	0.0161	0.0102	0.0224	0.2742
55 mph	0.0045	0.0134	0.0084	0.0108	0.0167	0.0104	0.0231	0.2811
60 mph	0.0048	0.0139	0.0088	0.0113	0.0179	0.0112	0.0248	0.3007
65 mph	0.0053	0.0152	0.0096	0.0125	0.0205	0.0127		
70 mph	0.0055	0.0181	0.0100	0.0135	0.0212	0.0119		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5054	2.3680
10 mph	0.1088	0.4774	0.1930	0.1109	0.5417	0.5436	0.0324	0.0835
15 mph	0.0556	0.3253	0.0948	0.0549	0.2798	0.2797	0.0180	0.0457
20 mph	0.0242	0.2328	0.0375	0.0224	0.1282	0.1266	0.0122	0.0282
25 mph	0.0155	0.1827	0.0227	0.0140	0.0845	0.0830	0.0096	0.0234
30 mph	0.0120	0.1522	0.0172	0.0107	0.0669	0.0653	0.0078	0.0189
35 mph	0.0097	0.1331	0.0138	0.0087	0.0564	0.0545	0.0064	0.0156
40 mph	0.0082	0.1214	0.0114	0.0073	0.0493	0.0473	0.0055	0.0134
45 mph	0.0072	0.1154	0.0097	0.0063	0.0444	0.0424	0.0050	0.0124
50 mph	0.0066	0.1152	0.0085	0.0056	0.0419	0.0398	0.0051	0.0124
55 mph	0.0062	0.1205	0.0076	0.0051	0.0403	0.0381	0.0056	0.0138
60 mph	0.0062	0.1313	0.0072	0.0050	0.0411	0.0387	0.0065	0.0160
65 mph	0.0065	0.1510	0.0073	0.0052	0.0472	0.0439		
70 mph	0.0066	0.1780	0.0076	0.0058	0.0761	0.0645		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0769
10 mph								0.6514
15 mph								0.4069
20 mph								0.2600
25 mph								0.1922
30 mph								0.1469
35 mph								0.1129
40 mph								0.0875
45 mph								0.0689
50 mph								0.0555
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.4311	0.0886	0.2910	0.0695	0.0596	0.0132	0.0758	0.0059	1.0346
15 mph	0.0644	0.0134	0.0437	0.0104	0.0091	0.0020	0.0145	0.0011	0.1586
20 mph	0.2723	0.0580	0.1862	0.0445	0.0400	0.0085	0.0311	0.0024	0.6430
25 mph	0.8356	0.1812	0.5751	0.1376	0.1263	0.0264	0.0947	0.0074	1.9844
30 mph	0.6211	0.1370	0.4300	0.1031	0.0966	0.0198	0.0581	0.0046	1.4704
35 mph	0.2949	0.0662	0.2051	0.0494	0.0476	0.0096	0.0189	0.0015	0.6932
40 mph	0.1096	0.0247	0.0764	0.0184	0.0182	0.0036	0.0145	0.0012	0.2666
45 mph	0.0672	0.0151	0.0467	0.0113	0.0114	0.0022	0.0169	0.0014	0.1721
50 mph	0.0646	0.0145	0.0448	0.0109	0.0112	0.0022	0.0200	0.0017	0.1698
55 mph	0.1145	0.0256	0.0791	0.0192	0.0203	0.0039	0.0019	0.0002	0.2646
60 mph	0.0775	0.0171	0.0531	0.0130	0.0140	0.0027	0.0081	0.0007	0.1861
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	2.9529	0.6413	2.0311	0.4872	0.4543	0.0940	0.3545	0.0280	7.0433

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0419	0.0089	0.0287	0.0086	0.0103	0.0022	0.0195	0.0015	0.1216
25 mph	0.0463	0.0100	0.0319	0.0095	0.0117	0.0024	0.0286	0.0022	0.1427
30 mph	0.0597	0.0132	0.0414	0.0124	0.0155	0.0032	0.0549	0.0044	0.2046
35 mph	0.0778	0.0175	0.0541	0.0163	0.0210	0.0042	0.0536	0.0044	0.2488
40 mph	0.1012	0.0228	0.0705	0.0212	0.0282	0.0056	0.0546	0.0045	0.3086
45 mph	0.2015	0.0453	0.1401	0.0422	0.0572	0.0112	0.0355	0.0029	0.5359
50 mph	0.1641	0.0369	0.1137	0.0344	0.0474	0.0091	0.0206	0.0017	0.4280
55 mph	0.1208	0.0270	0.0834	0.0253	0.0358	0.0068	0.0071	0.0006	0.3069
60 mph	0.0636	0.0140	0.0436	0.0133	0.0192	0.0037	0.5321	0.0437	0.7331
65 mph	0.0351	0.0076	0.0239	0.0073	0.0110	0.0021	-	-	0.0870
70 mph	0.8626	0.2138	0.5859	0.1862	0.2673	0.0456	-	-	2.1614
total	1.7747	0.4170	1.2170	0.3768	0.5246	0.0961	0.8065	0.0658	5.2785

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.2787	0.3930	0.9915	0.0035	2.6667
15 mph	0.1234	0.0257	0.0836	0.0312	0.0202	0.0044	0.0157	0.0012	0.3054
25 mph	-	-	-	-	0.0331	0.0069	0.0356	0.0028	0.0784
35 mph	0.6221	0.1395	0.4325	0.0678	-	-	-	-	1.2620
total	0.7455	0.1652	0.5162	0.0990	1.3321	0.4044	1.0427	0.0075	4.3125

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.2787	0.3930	0.9915	0.0035	2.6667
10 mph	0.4311	0.0886	0.2910	0.0695	0.0596	0.0132	0.0758	0.0059	1.0346
15 mph	0.1878	0.0391	0.1273	0.0416	0.0293	0.0064	0.0302	0.0023	0.4640
20 mph	0.3142	0.0669	0.2149	0.0530	0.0503	0.0107	0.0506	0.0039	0.7645
25 mph	0.8819	0.1912	0.6070	0.1472	0.1711	0.0358	0.1589	0.0124	2.2055
30 mph	0.6808	0.1502	0.4713	0.1155	0.1122	0.0230	0.1130	0.0090	1.6750
35 mph	0.9948	0.2232	0.6917	0.1334	0.0686	0.0138	0.0725	0.0059	2.2039
40 mph	0.2109	0.0476	0.1468	0.0396	0.0464	0.0092	0.0691	0.0056	0.5752
45 mph	0.2687	0.0604	0.1868	0.0535	0.0686	0.0134	0.0524	0.0043	0.7080
50 mph	0.2287	0.0514	0.1584	0.0453	0.0586	0.0113	0.0406	0.0034	0.5978
55 mph	0.2353	0.0526	0.1625	0.0446	0.0561	0.0107	0.0090	0.0007	0.5714
60 mph	0.1412	0.0310	0.0967	0.0263	0.0332	0.0063	0.5401	0.0443	0.9192
65 mph	0.0351	0.0076	0.0239	0.0073	0.0110	0.0021	-	-	0.0870
70 mph	0.8626	0.2138	0.5859	0.1862	0.2673	0.0456	-	-	2.1614
total	5.4731	1.2236	3.7643	0.9630	2.3109	0.5945	2.2037	0.1012	16.6343

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0178	0.0002	0.0090	0.0033	0.3347	0.2362	0.0942	0.4587	1.1540
15 mph	0.0020	0.0000	0.0010	0.0004	0.0384	0.0270	0.0150	0.0717	0.1555
20 mph	0.0053	0.0001	0.0023	0.0009	0.1056	0.0733	0.0305	0.1329	0.3510
25 mph	0.0141	0.0005	0.0059	0.0023	0.2902	0.2003	0.0998	0.4590	1.0719
30 mph	0.0104	0.0004	0.0043	0.0017	0.2206	0.1514	0.0646	0.2968	0.7501
35 mph	0.0049	0.0002	0.0020	0.0008	0.1083	0.0737	0.0213	0.0978	0.3090
40 mph	0.0018	0.0001	0.0007	0.0003	0.0406	0.0274	0.0160	0.0737	0.1605
45 mph	0.0011	0.0000	0.0004	0.0002	0.0244	0.0164	0.0189	0.0873	0.1487
50 mph	0.0010	0.0000	0.0004	0.0001	0.0230	0.0154	0.0232	0.1067	0.1698
55 mph	0.0016	0.0001	0.0005	0.0002	0.0388	0.0258	0.0023	0.0108	0.0801
60 mph	0.0010	0.0001	0.0003	0.0001	0.0254	0.0168	0.0109	0.0501	0.1047
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0609	0.0018	0.0267	0.0103	1.2499	0.8637	0.3965	1.8456	4.4553

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0008	0.0000	0.0004	0.0002	0.0272	0.0189	0.0192	0.0836	0.1502
25 mph	0.0008	0.0000	0.0003	0.0002	0.0269	0.0185	0.0301	0.1387	0.2155
30 mph	0.0010	0.0000	0.0004	0.0002	0.0355	0.0243	0.0609	0.2802	0.4026
35 mph	0.0013	0.0001	0.0005	0.0003	0.0478	0.0325	0.0602	0.2771	0.4198
40 mph	0.0016	0.0001	0.0007	0.0003	0.0626	0.0423	0.0603	0.2782	0.4462
45 mph	0.0032	0.0001	0.0012	0.0006	0.1224	0.0822	0.0396	0.1832	0.4325
50 mph	0.0024	0.0001	0.0009	0.0005	0.0977	0.0652	0.0239	0.1099	0.3007
55 mph	0.0017	0.0001	0.0006	0.0003	0.0684	0.0455	0.0087	0.0408	0.1660
60 mph	0.0008	0.0001	0.0003	0.0002	0.0348	0.0231	0.7175	3.3124	4.0892
65 mph	0.0004	0.0000	0.0001	0.0001	0.0200	0.0131	-	-	0.0338
70 mph	0.0104	0.0008	0.0034	0.0020	0.7578	0.4519	-	-	1.2264
total	0.0245	0.0015	0.0087	0.0048	1.3011	0.8176	1.0207	4.7041	7.8829

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1934	0.1361	0.0950	0.8398	1.2643
15 mph	0.0039	0.0001	0.0019	0.0011	0.0856	0.0602	0.0161	0.0773	0.2460
25 mph	-	-	-	-	0.0761	0.0525	0.0375	0.1725	0.3386
35 mph	0.0104	0.0004	0.0042	0.0011	-	-	-	-	0.0161
total	0.0142	0.0005	0.0061	0.0022	0.3551	0.2488	0.1486	1.0895	1.8650

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1934	0.1361	0.0950	0.8398	1.2643
10 mph	0.0178	0.0002	0.0090	0.0033	0.3347	0.2362	0.0942	0.4587	1.1540
15 mph	0.0059	0.0001	0.0029	0.0014	0.1240	0.0872	0.0311	0.1490	0.4015
20 mph	0.0061	0.0002	0.0027	0.0010	0.1328	0.0922	0.0497	0.2166	0.5012
25 mph	0.0149	0.0005	0.0062	0.0024	0.3932	0.2714	0.1674	0.7701	1.6261
30 mph	0.0114	0.0004	0.0047	0.0019	0.2560	0.1757	0.1255	0.5770	1.1527
35 mph	0.0166	0.0007	0.0067	0.0022	0.1561	0.1062	0.0815	0.3750	0.7448
40 mph	0.0034	0.0002	0.0014	0.0006	0.1032	0.0697	0.0763	0.3519	0.6067
45 mph	0.0042	0.0002	0.0016	0.0008	0.1468	0.0986	0.0585	0.2705	0.5812
50 mph	0.0034	0.0002	0.0012	0.0006	0.1207	0.0806	0.0471	0.2166	0.4705
55 mph	0.0032	0.0002	0.0011	0.0005	0.1071	0.0713	0.0111	0.0515	0.2461
60 mph	0.0019	0.0001	0.0006	0.0003	0.0602	0.0399	0.7284	3.3625	4.1939
65 mph	0.0004	0.0000	0.0001	0.0001	0.0200	0.0131	-	-	0.0338
70 mph	0.0104	0.0008	0.0034	0.0020	0.7578	0.4519	-	-	1.2264
total	0.0996	0.0038	0.0415	0.0172	2.9061	1.9300	1.5658	7.6392	14.2032

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1989	0.1989
15 mph								0.0355	0.0355
20 mph								0.0681	0.0681
25 mph								0.2095	0.2095
30 mph								0.1281	0.1281
35 mph								0.0394	0.0394
40 mph								0.0267	0.0267
45 mph								0.0270	0.0270
50 mph								0.0266	0.0266
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.7599	0.7599

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0428	0.0428
25 mph								0.0633	0.0633
30 mph								0.1210	0.1210
35 mph								0.1116	0.1116
40 mph								0.1009	0.1009
45 mph								0.0567	0.0567
50 mph								0.0274	0.0274
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.3387	0.3387

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0015	0.0015
15 mph								0.0382	0.0382
25 mph								0.0787	0.0787
35 mph								-	-
total	-	-	-	-	-	-	-	0.1185	0.1185

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0015	0.0015
10 mph								0.1989	0.1989
15 mph								0.0737	0.0737
20 mph								0.1109	0.1109
25 mph								0.3516	0.3516
30 mph								0.2491	0.2491
35 mph								0.1509	0.1509
40 mph								0.1276	0.1276
45 mph								0.0837	0.0837
50 mph								0.0540	0.0540
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.4021	1.4021

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2808	0.7353	0.4851	0.5389	0.8360	0.7130	0.4357	0.6079
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS + HOTSOAK Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	9.7053	1.9229	6.2778	1.9957	1.5479	0.4024	0.3836	0.0036
Electric/NG	-	-	-	-	-	-	-	-
Total	**9.7053**	**1.9229**	**6.2778**	**1.9957**	**1.5479**	**0.4024**	**0.3836**	**0.0036**

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.4041	0.8944	0.6467	0.7821	0.0815	0.0743	0.0570	0.0897
Electric/NG	0.0314	0.0313	0.0313	0.0314	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	6.9831	1.1695	4.1845	1.4481	0.0755	0.0210	0.0251	0.0003
Electric/NG	0.0164	0.0006	0.0037	0.0010	-	-	-	-
Total	6.9995	1.1701	4.1882	1.4491	0.0755	0.0210	0.0251	0.0003

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1731	0.2647	0.2461	0.3063	0.0997	0.1004	0.1800	0.0016
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5.9826	0.6922	3.1853	1.1343	0.1846	0.0566	0.1585	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	5.9826	0.6922	3.1853	1.1343	0.1846	0.0566	0.1585	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.4722	0.5291	1.0865	0.8448	3.9325
10 mph	0.4489	0.0888	0.2999	0.0727	0.3943	0.2494	0.1700	0.6635	2.3875
15 mph	0.1937	0.0392	0.1302	0.0430	0.1533	0.0936	0.0613	0.2250	0.9393
20 mph	0.3203	0.0670	0.2176	0.0541	0.1831	0.1029	0.1003	0.3313	1.3766
25 mph	0.8968	0.1917	0.6132	0.1496	0.5643	0.3071	0.3263	1.1341	4.1831
30 mph	0.6922	0.1506	0.4760	0.1174	0.3682	0.1987	0.2385	0.8351	3.0768
35 mph	1.0114	0.2238	0.6984	0.1356	0.2247	0.1200	0.1540	0.5318	3.0997
40 mph	0.2143	0.0477	0.1482	0.0402	0.1496	0.0789	0.1454	0.4852	1.3096
45 mph	0.2729	0.0606	0.1884	0.0543	0.2154	0.1120	0.1109	0.3585	1.3730
50 mph	0.2321	0.0516	0.1597	0.0459	0.1793	0.0919	0.0878	0.2740	1.1223
55 mph	0.2385	0.0527	0.1636	0.0451	0.1633	0.0820	0.0200	0.0523	0.8176
60 mph	0.1430	0.0312	0.0974	0.0266	0.0934	0.0462	1.2685	3.4069	5.1131
65 mph	0.0355	0.0077	0.0240	0.0074	0.0310	0.0152	-	-	0.1208
70 mph	0.8731	0.2146	0.5893	0.1883	1.0251	0.4975	-	-	3.3877
RL + HS	9.7053	1.9229	6.2778	1.9957	1.5479	0.4024	0.3836	0.0036	22.2393
RL + DIURN	6.9995	1.1701	4.1882	1.4491	0.0755	0.0210	0.0251	0.0003	13.9287
STREX	5.9826	0.6922	3.1853	1.1343	0.1846	0.0566	0.1585	0.0000	11.3943
total	28.2601	5.0126	17.4572	5.5594	7.0250	3.0046	4.3366	9.1464	**79.8019**

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Project) - Mitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.45	1.46	2.40	27.70
10 mph	0.04	0.12	0.09	0.11	0.20	0.21	0.40	4.95
15 mph	0.04	0.11	0.08	0.10	0.18	0.19	0.35	4.39
20 mph	0.03	0.09	0.07	0.09	0.16	0.17	0.32	4.02
25 mph	0.03	0.08	0.06	0.08	0.15	0.16	0.29	3.71
30 mph	0.03	0.08	0.06	0.07	0.14	0.15	0.26	3.49
35 mph	0.03	0.07	0.05	0.07	0.14	0.14	0.25	3.34
40 mph	0.03	0.07	0.05	0.06	0.13	0.13	0.24	3.24
45 mph	0.02	0.07	0.05	0.06	0.13	0.13	0.23	3.17
50 mph	0.02	0.07	0.05	0.06	0.13	0.13	0.22	3.16
55 mph	0.02	0.07	0.05	0.06	0.14	0.13	0.23	3.22
60 mph	0.03	0.08	0.05	0.07	0.14	0.14	0.24	3.33
65 mph	0.03	0.08	0.06	0.07	0.15	0.14		
70 mph	0.03	0.09	0.06	0.08	0.17	0.14		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					48.79	49.04	29.26	28.01
10 mph	0.09	0.71	0.13	0.09	0.90	0.85	4.97	10.65
15 mph	0.07	0.72	0.09	0.06	0.77	0.74	3.51	7.47
20 mph	0.05	0.75	0.06	0.04	0.77	0.72	2.79	5.25
25 mph	0.04	0.77	0.05	0.04	0.77	0.72	2.18	4.43
30 mph	0.04	0.80	0.04	0.03	0.81	0.75	1.63	3.32
35 mph	0.04	0.82	0.03	0.03	0.88	0.79	1.19	2.43
40 mph	0.04	0.85	0.03	0.03	0.93	0.84	0.87	1.79
45 mph	0.04	0.89	0.03	0.03	0.97	0.87	0.65	1.37
50 mph	0.04	0.92	0.03	0.03	1.03	0.92	0.56	1.16
55 mph	0.04	0.96	0.03	0.03	1.05	0.94	0.57	1.25
60 mph	0.04	1.00	0.03	0.03	1.07	0.96	0.70	1.50
65 mph	0.04	1.02	0.03	0.03	1.21	1.07		
70 mph	0.04	1.01	0.03	0.04	2.19	1.77		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								34.16
10 mph								3.85
15 mph								2.87
20 mph								2.26
25 mph								1.95
30 mph								1.77
35 mph								1.64
40 mph								1.54
45 mph								1.46
50 mph								1.41
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.70	0.15	0.54	0.13	0.15	0.05	0.22	0.02	1.97
15 mph	0.14	0.03	0.10	0.02	0.03	0.01	0.06	0.00	0.40
20 mph	0.74	0.15	0.56	0.13	0.17	0.05	0.16	0.01	1.97
25 mph	2.79	0.57	2.09	0.49	0.65	0.21	0.59	0.05	7.44
30 mph	2.47	0.50	1.84	0.44	0.60	0.19	0.43	0.04	6.50
35 mph	1.35	0.28	1.00	0.24	0.34	0.10	0.16	0.01	3.48
40 mph	0.55	0.11	0.41	0.10	0.14	0.04	0.13	0.01	1.50
45 mph	0.36	0.07	0.27	0.06	0.09	0.03	0.17	0.02	1.06
50 mph	0.35	0.07	0.26	0.06	0.09	0.03	0.20	0.02	1.09
55 mph	0.63	0.13	0.47	0.11	0.17	0.05	0.02	0.00	1.58
60 mph	0.42	0.09	0.32	0.08	0.11	0.03	0.08	0.01	1.14
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	10.50	2.17	7.87	1.86	2.54	0.79	2.21	0.20	28.14

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.11	0.02	0.09	0.03	0.04	0.01	0.10	0.01	0.41
25 mph	0.15	0.03	0.12	0.03	0.06	0.02	0.18	0.02	0.61
30 mph	0.24	0.05	0.18	0.05	0.10	0.03	0.40	0.04	1.08
35 mph	0.36	0.07	0.26	0.08	0.15	0.05	0.45	0.04	1.46
40 mph	0.51	0.10	0.38	0.11	0.22	0.07	0.51	0.05	1.94
45 mph	1.07	0.22	0.80	0.24	0.46	0.14	0.35	0.03	3.31
50 mph	0.90	0.19	0.67	0.20	0.39	0.12	0.21	0.02	2.69
55 mph	0.66	0.14	0.50	0.15	0.29	0.09	0.07	0.01	1.91
60 mph	0.34	0.08	0.26	0.08	0.15	0.04	5.10	0.48	6.54
65 mph	0.18	0.04	0.14	0.04	0.08	0.02	-	-	0.50
70 mph	4.32	1.09	3.34	1.04	2.11	0.55	-	-	12.46
total	8.85	2.04	6.73	2.05	4.05	1.13	7.36	0.69	32.91

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.11	0.03	0.09	0.01	0.24
15 mph	0.26	0.06	0.20	0.07	0.07	0.02	0.06	0.01	0.75
25 mph	-	-	-	-	0.17	0.05	0.22	0.02	0.47
35 mph	2.85	0.58	2.12	0.33	-	-	-	-	5.87
total	3.11	0.64	2.32	0.40	0.35	0.11	0.37	0.03	7.33

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.11	0.03	0.09	0.01	0.24
10 mph	0.70	0.15	0.54	0.13	0.15	0.05	0.22	0.02	1.97
15 mph	0.40	0.08	0.30	0.10	0.10	0.03	0.12	0.01	1.15
20 mph	0.85	0.18	0.64	0.16	0.21	0.07	0.25	0.02	2.39
25 mph	2.95	0.60	2.20	0.53	0.89	0.28	0.98	0.09	8.52
30 mph	2.71	0.55	2.02	0.49	0.69	0.22	0.83	0.07	7.58
35 mph	4.56	0.93	3.38	0.64	0.48	0.15	0.61	0.06	10.81
40 mph	1.06	0.22	0.79	0.21	0.36	0.11	0.64	0.06	3.44
45 mph	1.43	0.29	1.06	0.30	0.55	0.17	0.51	0.05	4.37
50 mph	1.25	0.26	0.93	0.26	0.48	0.14	0.41	0.04	3.78
55 mph	1.29	0.28	0.97	0.26	0.46	0.13	0.09	0.01	3.49
60 mph	0.76	0.17	0.58	0.16	0.26	0.08	5.18	0.49	7.68
65 mph	0.18	0.04	0.14	0.04	0.08	0.02	-	-	0.50
70 mph	4.32	1.09	3.34	1.04	2.11	0.55	-	-	12.46
total	22.47	4.85	16.91	4.31	6.94	2.03	9.94	0.92	68.38

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.01	0.00	0.01	0.00	0.55	0.37	14.48	58.49	73.92
15 mph	0.00	0.00	0.00	0.00	0.11	0.07	2.92	11.73	14.82
20 mph	0.01	0.00	0.00	0.00	0.64	0.42	6.96	24.71	32.74
25 mph	0.04	0.00	0.01	0.01	2.65	1.73	22.64	86.91	114.00
30 mph	0.04	0.00	0.01	0.01	2.68	1.73	13.55	52.03	70.05
35 mph	0.02	0.00	0.01	0.00	1.69	1.07	3.97	15.27	22.03
40 mph	0.01	0.00	0.00	0.00	0.77	0.48	2.52	9.80	13.59
45 mph	0.01	0.00	0.00	0.00	0.54	0.34	2.45	9.65	12.98
50 mph	0.01	0.00	0.00	0.00	0.57	0.35	2.55	10.02	13.50
55 mph	0.01	0.00	0.00	0.00	1.01	0.64	0.24	0.98	2.88
60 mph	0.01	0.00	0.00	0.00	0.66	0.42	1.17	4.71	6.96
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.16	0.01	0.04	0.02	11.86	7.62	73.45	284.30	377.47

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.00	0.00	0.00	0.00	0.16	0.11	4.38	15.55	20.20
25 mph	0.00	0.00	0.00	0.00	0.25	0.16	6.84	26.25	33.50
30 mph	0.00	0.00	0.00	0.00	0.43	0.28	12.79	49.12	62.63
35 mph	0.01	0.00	0.00	0.00	0.74	0.47	11.24	43.25	55.71
40 mph	0.01	0.00	0.00	0.00	1.19	0.75	9.53	37.02	48.50
45 mph	0.02	0.00	0.00	0.00	2.68	1.68	5.14	20.24	29.77
50 mph	0.01	0.00	0.00	0.00	2.41	1.50	2.62	10.32	16.88
55 mph	0.01	0.00	0.00	0.00	1.79	1.12	0.90	3.71	7.53
60 mph	0.01	0.00	0.00	0.00	0.91	0.57	77.29	310.96	389.73
65 mph	0.00	0.00	0.00	0.00	0.51	0.32	-	-	0.83
70 mph	0.06	0.00	0.01	0.01	21.86	12.37	-	-	34.32
total	0.13	0.01	0.03	0.02	32.93	19.33	130.73	516.44	699.63

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.97	2.10	5.50	9.93	20.51
15 mph	0.00	0.00	0.00	0.00	0.24	0.16	3.14	12.63	16.17
25 mph	-	-	-	-	0.70	0.46	8.51	32.66	42.32
35 mph	0.04	0.00	0.01	0.00	-	-	-	-	0.06
total	0.05	0.00	0.01	0.01	3.91	2.72	17.15	55.22	79.06

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	2.97	2.10	5.50	9.93	20.51
10 mph	0.01	0.00	0.01	0.00	0.55	0.37	14.48	58.49	73.92
15 mph	0.01	0.00	0.00	0.00	0.34	0.23	6.06	24.36	31.00
20 mph	0.01	0.00	0.00	0.00	0.80	0.53	11.34	40.26	52.94
25 mph	0.04	0.00	0.01	0.01	3.60	2.35	37.99	145.82	189.82
30 mph	0.04	0.00	0.01	0.01	3.11	2.01	26.34	101.16	132.68
35 mph	0.07	0.00	0.02	0.01	2.43	1.55	15.20	58.52	77.80
40 mph	0.02	0.00	0.00	0.00	1.96	1.23	12.05	46.83	62.10
45 mph	0.02	0.00	0.00	0.00	3.22	2.02	7.59	29.89	42.75
50 mph	0.02	0.00	0.00	0.00	2.97	1.86	5.17	20.35	30.38
55 mph	0.02	0.00	0.00	0.00	2.80	1.76	1.14	4.69	10.42
60 mph	0.01	0.00	0.00	0.00	1.57	0.98	78.45	315.67	396.69
65 mph	0.00	0.00	0.00	0.00	0.51	0.32	-	-	0.83
70 mph	0.06	0.00	0.01	0.01	21.86	12.37	-	-	34.32
total	0.33	0.02	0.08	0.05	48.70	29.67	221.33	855.96	1,156.15

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1.17	1.17
15 mph								0.25	0.25
20 mph								0.59	0.59
25 mph								2.13	2.13
30 mph								1.55	1.55
35 mph								0.57	0.57
40 mph								0.47	0.47
45 mph								0.57	0.57
50 mph								0.67	0.67
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	7.98	7.98

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.37	0.37
25 mph								0.64	0.64
30 mph								1.46	1.46
35 mph								1.62	1.62
40 mph								1.77	1.77
45 mph								1.20	1.20
50 mph								0.69	0.69
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	4.10	4.10

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.67	0.67
15 mph								0.27	0.27
25 mph								0.80	0.80
35 mph								-	-
total	-	-	-	-	-	-	-	1.74	1.74

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.67	0.67
10 mph								1.17	1.17
15 mph								0.52	0.52
20 mph								0.96	0.96
25 mph								3.58	3.58
30 mph								3.01	3.01
35 mph								2.19	2.19
40 mph								2.24	2.24
45 mph								1.78	1.78
50 mph								1.37	1.37
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	17.50	17.50

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.09	2.14	5.59	10.62	21.43
10 mph	0.72	0.15	0.55	0.13	0.71	0.42	14.70	59.69	77.06
15 mph	0.41	0.08	0.31	0.10	0.44	0.26	6.18	24.89	32.66
20 mph	0.87	0.18	0.65	0.16	1.01	0.59	11.60	41.24	56.29
25 mph	2.99	0.61	2.22	0.53	4.48	2.63	38.98	149.48	201.91
30 mph	2.75	0.55	2.03	0.49	3.80	2.22	27.18	104.24	143.27
35 mph	4.62	0.93	3.40	0.65	2.92	1.69	15.82	60.77	90.80
40 mph	1.08	0.22	0.79	0.21	2.31	1.34	12.69	49.13	67.78
45 mph	1.45	0.30	1.07	0.30	3.77	2.18	8.10	31.72	48.90
50 mph	1.27	0.26	0.94	0.27	3.46	2.00	5.58	21.75	35.53
55 mph	1.31	0.28	0.98	0.27	3.26	1.89	1.23	4.70	13.91
60 mph	0.78	0.17	0.59	0.16	1.83	1.06	83.63	316.16	404.37
65 mph	0.18	0.04	0.14	0.04	0.59	0.34	-	-	1.34
70 mph	4.39	1.09	3.35	1.06	23.97	12.92	-	-	46.78
STREX	5.35	0.54	2.83	0.99	0.86	0.27	9.99	20.82	41.66
total	28.15	5.41	19.83	5.36	56.50	31.97	241.26	895.20	**1,283.68**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.15	0.21	0.22	0.27	0.46	0.48	0.34	0.35
Diesel	-	-	-	-	-	-	2.15	2.45
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5.35	0.54	2.83	0.99	0.86	0.27	0.30	0.00
Diesel	-	-	-	-	-	-	9.69	20.82
Electric/NG	-	-	-	-	-	-	-	-
Total	5.35	0.54	2.83	0.99	0.86	0.27	9.99	20.82

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Project) - Mitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					154.3729	154.6577	386.3347	279.6230
10 mph	0.9146	1.6748	1.2664	1.4074	1.0604	0.6823	1.4088	50.6029
15 mph	0.8340	1.4991	1.1478	1.2724	0.8610	0.5912	1.2762	45.2947
20 mph	0.7628	1.3573	1.0468	1.1585	0.7390	0.5243	1.1725	41.1197
25 mph	0.6980	1.2306	0.9544	1.0559	0.6395	0.4658	1.0556	37.3867
30 mph	0.6403	1.1230	0.8732	0.9668	0.5689	0.4189	0.9501	34.1779
35 mph	0.5892	1.0327	0.8021	0.8898	0.5224	0.3830	0.8646	31.4685
40 mph	0.5464	0.9581	0.7436	0.8255	0.4945	0.3581	0.8057	29.2695
45 mph	0.5095	0.8945	0.6936	0.7706	0.4788	0.3385	0.7447	27.3107
50 mph	0.4752	0.8415	0.6473	0.7214	0.4757	0.3230	0.6990	25.6452
55 mph	0.4424	0.7916	0.6045	0.6756	0.4928	0.3175	0.6674	24.3124
60 mph	0.4064	0.7360	0.5568	0.6254	0.5234	0.3174	0.6362	23.1611
65 mph	0.3755	0.6929	0.5166	0.5835	0.5937	0.3325		
70 mph	0.3612	0.7258	0.4982	0.5718	0.5983	0.2815		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	21.3872	34.9443
10 mph	2.2643	2.6450	1.7955	2.4140	2.1624	2.1973	0.4812	1.3886
15 mph	1.1172	1.7608	0.8798	1.1798	1.1225	1.1333	0.2607	0.7418
20 mph	0.4488	1.2241	0.3451	0.4653	0.5336	0.5295	0.1741	0.4508
25 mph	0.2761	0.9761	0.2086	0.2836	0.3629	0.3566	0.1331	0.3630
30 mph	0.2112	0.8396	0.1582	0.2167	0.2962	0.2888	0.1021	0.2785
35 mph	0.1702	0.7619	0.1263	0.1748	0.2594	0.2500	0.0770	0.2101
40 mph	0.1428	0.7296	0.1047	0.1456	0.2374	0.2264	0.0577	0.1579
45 mph	0.1238	0.7359	0.0893	0.1247	0.2256	0.2133	0.0443	0.1214
50 mph	0.1108	0.7825	0.0781	0.1100	0.2274	0.2130	0.0367	0.1001
55 mph	0.1017	0.8795	0.0697	0.0990	0.2356	0.2194	0.0350	0.0968
60 mph	0.1010	1.0382	0.0669	0.0959	0.2602	0.2405	0.0391	0.1072
65 mph	0.1063	1.2915	0.0684	0.1000	0.3321	0.3025		
70 mph	0.1114	1.5070	0.0709	0.1101	0.6139	0.5130		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								32.7471
10 mph								34.5971
15 mph								24.3573
20 mph								17.6151
25 mph								12.9129
30 mph								9.5213
35 mph								7.0220
40 mph								5.1804
45 mph								3.8236
50 mph								2.8242
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	14.7991	2.0502	7.6722	1.6140	0.8289	0.1626	0.8003	0.1946	28.1219
15 mph	2.9990	0.4078	1.5452	0.3243	0.1496	0.0313	0.2071	0.0498	5.7141
20 mph	16.4571	2.2155	8.4554	1.7714	0.7703	0.1666	0.5709	0.1355	30.5426
25 mph	62.7467	8.3693	32.1208	6.7271	2.7773	0.6167	2.1416	0.5134	116.0130
30 mph	55.2568	7.3322	28.2143	5.9133	2.3717	0.5324	1.5420	0.3755	101.5383
35 mph	29.6615	3.9331	15.1180	3.1745	1.2704	0.2840	0.5613	0.1383	54.1412
40 mph	11.7874	1.5639	6.0066	1.2623	0.5155	0.1138	0.4577	0.1125	21.8197
45 mph	7.3287	0.9734	3.7350	0.7855	0.3327	0.0717	0.5439	0.1350	13.9059
50 mph	6.8345	0.9156	3.4857	0.7354	0.3306	0.0684	0.6240	0.1550	13.1491
55 mph	11.1341	1.5074	5.6964	1.2052	0.5992	0.1177	0.0542	0.0134	20.3275
60 mph	6.5760	0.9010	3.3731	0.7172	0.4092	0.0756	0.2065	0.0509	12.3095
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	225.5808	30.1694	115.4226	24.2301	10.3554	2.2409	7.7096	1.8739	417.5827

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	2.5325	0.3409	1.3012	0.3405	0.1982	0.0429	0.3593	0.0853	5.2007
25 mph	3.4761	0.4636	1.7794	0.4655	0.2572	0.0571	0.6470	0.1551	7.3011
30 mph	5.3145	0.7052	2.7136	0.7103	0.3814	0.0856	1.4558	0.3545	11.7209
35 mph	7.8248	1.0376	3.9882	1.0460	0.5603	0.1253	1.5898	0.3917	16.5635
40 mph	10.8834	1.4440	5.5460	1.4557	0.7957	0.1757	1.7285	0.4250	22.4539
45 mph	21.9916	2.9208	11.2078	2.9440	1.6692	0.3598	1.1410	0.2833	42.5175
50 mph	17.3535	2.3249	8.8504	2.3320	1.4033	0.2905	0.6426	0.1596	33.3569
55 mph	11.7488	1.5907	6.0109	1.5883	1.0572	0.2076	0.2045	0.0504	22.4584
60 mph	5.3971	0.7394	2.7684	0.7352	0.5615	0.1038	13.6472	3.3631	27.3157
65 mph	2.4932	0.3481	1.2844	0.3430	0.3184	0.0544	-	-	4.8414
70 mph	56.3573	8.5688	29.1081	7.8973	7.5413	1.0816	-	-	110.5545
total	145.3727	20.4841	74.5583	19.8577	14.7438	2.5842	21.4157	5.2680	304.2845

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	11.9078	3.6367	14.1737	0.0819	29.8001
15 mph	5.7451	0.7813	2.9602	0.9694	0.3333	0.0698	0.2231	0.0536	11.1359
25 mph	-	-	-	-	0.7286	0.1618	0.8048	0.1929	1.8881
35 mph	62.5579	8.2952	31.8848	4.3621	-	-	-	-	107.1000
total	68.3030	9.0765	34.8450	5.3315	12.9697	3.8683	15.2016	0.3285	149.9241

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	11.9078	3.6367	14.1737	0.0819	29.8001
10 mph	14.7991	2.0502	7.6722	1.6140	0.8289	0.1626	0.8003	0.1946	28.1219
15 mph	8.7441	1.1891	4.5054	1.2937	0.4829	0.1011	0.4303	0.1034	16.8499
20 mph	18.9896	2.5564	9.7566	2.1118	0.9684	0.2094	0.9302	0.2208	35.7433
25 mph	66.2228	8.8329	33.9002	7.1926	3.7631	0.8357	3.5934	0.8615	125.2022
30 mph	60.5713	8.0375	30.9279	6.6237	2.7531	0.6180	2.9978	0.7300	113.2592
35 mph	100.0442	13.2660	50.9910	8.5826	1.8308	0.4092	2.1511	0.5300	177.8047
40 mph	22.6708	3.0079	11.5526	2.7179	1.3112	0.2895	2.1862	0.5376	44.2736
45 mph	29.3202	3.8942	14.9428	3.7295	2.0020	0.4315	1.6849	0.4183	56.4234
50 mph	24.1880	3.2405	12.3361	3.0674	1.7339	0.3589	1.2665	0.3146	46.5059
55 mph	22.8829	3.0981	11.7072	2.7935	1.6564	0.3253	0.2587	0.0638	42.7859
60 mph	11.9731	1.6404	6.1415	1.4524	0.9707	0.1794	13.8537	3.4140	39.6252
65 mph	2.4932	0.3481	1.2844	0.3430	0.3184	0.0544	-	-	4.8414
70 mph	56.3573	8.5688	29.1081	7.8973	7.5413	1.0816	-	-	110.5545
total	439.2565	59.7300	224.8259	49.4193	38.0689	8.6933	44.3269	7.4704	871.7913

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.3702	0.0013	0.0834	0.0711	1.3359	0.9548	1.4007	7.6253	11.8426
15 mph	0.0406	0.0002	0.0091	0.0077	0.1541	0.1094	0.2168	1.1639	1.7018
20 mph	0.0978	0.0008	0.0214	0.0183	0.4395	0.3068	0.4344	2.1218	3.4408
25 mph	0.2507	0.0026	0.0538	0.0464	1.2453	0.8610	1.3836	7.1197	10.9632
30 mph	0.1841	0.0022	0.0392	0.0341	0.9758	0.6694	0.8494	4.3694	7.1235
35 mph	0.0866	0.0011	0.0182	0.0160	0.4986	0.3380	0.2562	1.3183	2.5331
40 mph	0.0311	0.0005	0.0065	0.0057	0.1955	0.1312	0.1680	0.8671	1.4055
45 mph	0.0180	0.0003	0.0037	0.0033	0.1239	0.0824	0.1656	0.8572	1.2543
50 mph	0.0161	0.0003	0.0032	0.0029	0.1249	0.0823	0.1678	0.8641	1.2616
55 mph	0.0259	0.0007	0.0050	0.0045	0.2264	0.1483	0.0145	0.0759	0.5013
60 mph	0.0165	0.0005	0.0031	0.0028	0.1607	0.1045	0.0650	0.3364	0.6896
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	1.1376	0.0105	0.2465	0.2129	5.4807	3.7881	5.1220	26.7190	42.7173

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0151	0.0001	0.0033	0.0035	0.1131	0.0789	0.2734	1.3354	1.8228
25 mph	0.0139	0.0001	0.0030	0.0032	0.1153	0.0797	0.4180	2.1509	2.7841
30 mph	0.0177	0.0002	0.0038	0.0041	0.1569	0.1076	0.8019	4.1249	5.2171
35 mph	0.0228	0.0003	0.0048	0.0053	0.2199	0.1491	0.7256	3.7336	4.8614
40 mph	0.0287	0.0004	0.0060	0.0066	0.3018	0.2025	0.6343	3.2743	4.4547
45 mph	0.0540	0.0009	0.0111	0.0122	0.6214	0.4133	0.3475	1.7983	3.2588
50 mph	0.0409	0.0009	0.0082	0.0091	0.5301	0.3492	0.1728	0.8899	2.0011
55 mph	0.0273	0.0007	0.0053	0.0060	0.3994	0.2616	0.0549	0.2868	1.0420
60 mph	0.0136	0.0004	0.0025	0.0029	0.2205	0.1434	4.2955	22.2311	26.9100
65 mph	0.0071	0.0003	0.0013	0.0015	0.1408	0.0902	-	-	0.2412
70 mph	0.1756	0.0070	0.0318	0.0391	6.1146	3.5943	-	-	9.9624
total	0.4166	0.0114	0.0810	0.0935	8.9340	5.4700	7.7239	39.8252	62.5556

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.6032	1.1277	4.0202	12.3927	19.1437
15 mph	0.0777	0.0004	0.0174	0.0231	0.3434	0.2439	0.2335	1.2538	2.1933
25 mph	-	-	-	-	0.3267	0.2259	0.5199	2.6754	3.7479
35 mph	0.1826	0.0024	0.0385	0.0220	-	-	-	-	0.2455
total	0.2604	0.0028	0.0559	0.0451	2.2733	1.5975	4.7736	16.3219	25.3304

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.6032	1.1277	4.0202	12.3927	19.1437
10 mph	0.3702	0.0013	0.0834	0.0711	1.3359	0.9548	1.4007	7.6253	11.8426
15 mph	0.1183	0.0006	0.0265	0.0308	0.4976	0.3533	0.4503	2.4177	3.8951
20 mph	0.1129	0.0009	0.0247	0.0218	0.5526	0.3857	0.7078	3.4572	5.2637
25 mph	0.2646	0.0028	0.0568	0.0496	1.6874	1.1666	2.3215	11.9460	17.4952
30 mph	0.2018	0.0024	0.0429	0.0381	1.1327	0.7770	1.6512	8.4943	12.3406
35 mph	0.2920	0.0039	0.0615	0.0433	0.7186	0.4871	0.9818	5.0518	7.6400
40 mph	0.0598	0.0009	0.0125	0.0123	0.4974	0.3337	0.8023	4.1414	5.8603
45 mph	0.0720	0.0013	0.0147	0.0155	0.7453	0.4957	0.5131	2.6555	4.5131
50 mph	0.0570	0.0012	0.0114	0.0120	0.6549	0.4315	0.3407	1.7541	3.2627
55 mph	0.0531	0.0014	0.0103	0.0105	0.6258	0.4099	0.0694	0.3627	1.5432
60 mph	0.0301	0.0009	0.0057	0.0057	0.3813	0.2479	4.3605	22.5675	27.5996
65 mph	0.0071	0.0003	0.0013	0.0015	0.1408	0.0902	-	-	0.2412
70 mph	0.1756	0.0070	0.0318	0.0391	6.1146	3.5943	-	-	9.9624
total	1.8146	0.0246	0.3834	0.3515	16.6880	10.8555	17.6196	82.8661	130.6033

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								10.5629	10.5629
15 mph								2.1247	2.1247
20 mph								4.6098	4.6098
25 mph								14.0802	14.0802
30 mph								8.3056	8.3056
35 mph								2.4502	2.4502
40 mph								1.5816	1.5816
45 mph								1.5009	1.5009
50 mph								1.3550	1.3550
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	46.5709	46.5709

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								2.9013	2.9013
25 mph								4.2536	4.2536
30 mph								7.8410	7.8410
35 mph								6.9393	6.9393
40 mph								5.9726	5.9726
45 mph								3.1488	3.1488
50 mph								1.3955	1.3955
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	21.9352	21.9352

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.6457	0.6457
15 mph								2.2888	2.2888
25 mph								5.2910	5.2910
35 mph								-	-
total	-	-	-	-	-	-	-	8.2256	8.2256

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.6457	0.6457
10 mph								10.5629	10.5629
15 mph								4.4136	4.4136
20 mph								7.5111	7.5111
25 mph								23.6248	23.6248
30 mph								16.1466	16.1466
35 mph								9.3895	9.3895
40 mph								7.5542	7.5542
45 mph								4.6497	4.6497
50 mph								2.7505	2.7505
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	87.2484	87.2484

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	13.5110	4.7644	18.1938	13.1203	49.5895
10 mph	15.1692	2.0515	7.7556	1.6851	2.1648	1.1174	2.2010	18.3827	50.5274
15 mph	8.8624	1.1896	4.5319	1.3245	0.9805	0.4544	0.8806	6.9346	25.1586
20 mph	19.1025	2.5573	9.7812	2.1336	1.5211	0.5952	1.6381	11.1891	48.5180
25 mph	66.4874	8.8357	33.9570	7.2422	5.4505	2.0023	5.9149	36.4322	166.3222
30 mph	60.7732	8.0398	30.9708	6.6618	3.8858	1.3950	4.6490	25.3709	141.7464
35 mph	100.3362	13.2698	51.0525	8.6259	2.5493	0.8963	3.1329	14.9713	194.8342
40 mph	22.7306	3.0088	11.5651	2.7302	1.8086	0.6231	2.9885	12.2332	57.6881
45 mph	29.3922	3.8955	14.9576	3.7450	2.7472	0.9272	2.1980	7.7235	65.5862
50 mph	24.2450	3.2417	12.3475	3.0794	2.3888	0.7904	1.6072	4.8191	52.5191
55 mph	22.9360	3.0995	11.7175	2.8040	2.2823	0.7353	0.3281	0.4265	44.3291
60 mph	12.0031	1.6413	6.1471	1.4582	1.3519	0.4273	18.2143	25.9815	67.2248
65 mph	2.5004	0.3484	1.2857	0.3445	0.4592	0.1446	-	-	5.0826
70 mph	56.5329	8.5758	29.1398	7.9364	13.6560	4.6759	-	-	120.5168
STREX	67.1293	5.3729	31.4857	10.0886	2.9574	0.8760	3.3330	0.0318	121.2746
total	508.2004	65.1275	256.6950	59.8594	57.7143	20.4249	65.2795	177.6167	**1,210.9176**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.9421	2.0546	2.4329	2.7243	1.5973	1.5521	3.7857	5.3327
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	67.1293	5.3729	31.4857	10.0886	2.9574	0.8760	3.3330	0.0318
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	67.1293	5.3729	31.4857	10.0886	2.9574	0.8760	3.3330	0.0318

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Project) - Mitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0552	0.0552	0.1397	0.2211
10 mph	0.0046	0.0054	0.0057	0.0070	0.0146	0.0168	0.0302	0.0360
15 mph	0.0038	0.0044	0.0046	0.0057	0.0119	0.0137	0.0247	0.0295
20 mph	0.0032	0.0037	0.0038	0.0048	0.0099	0.0114	0.0205	0.0246
25 mph	0.0027	0.0031	0.0033	0.0041	0.0085	0.0097	0.0175	0.0211
30 mph	0.0024	0.0028	0.0029	0.0036	0.0075	0.0086	0.0156	0.0187
35 mph	0.0022	0.0026	0.0027	0.0034	0.0070	0.0080	0.0145	0.0173
40 mph	0.0022	0.0025	0.0026	0.0033	0.0067	0.0078	0.0140	0.0167
45 mph	0.0022	0.0025	0.0026	0.0033	0.0068	0.0078	0.0141	0.0167
50 mph	0.0022	0.0026	0.0027	0.0034	0.0070	0.0080	0.0145	0.0172
55 mph	0.0023	0.0027	0.0028	0.0035	0.0073	0.0083	0.0150	0.0179
60 mph	0.0024	0.0028	0.0029	0.0036	0.0075	0.0087	0.0156	0.0186
65 mph	0.0024	0.0029	0.0030	0.0037	0.0078	0.0089		
70 mph	0.0025	0.0029	0.0030	0.0038	0.0079	0.0090		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0347	0.0558	0.0570	0.0541
10 mph	0.0037	0.0081	0.0050	0.0062	0.0090	0.0100	0.0176	0.0266
15 mph	0.0030	0.0068	0.0041	0.0053	0.0058	0.0066	0.0138	0.0206
20 mph	0.0025	0.0056	0.0034	0.0044	0.0050	0.0057	0.0118	0.0174
25 mph	0.0021	0.0046	0.0028	0.0037	0.0044	0.0051	0.0103	0.0148
30 mph	0.0018	0.0040	0.0025	0.0032	0.0040	0.0046	0.0090	0.0130
35 mph	0.0016	0.0036	0.0022	0.0029	0.0040	0.0046	0.0081	0.0116
40 mph	0.0015	0.0033	0.0021	0.0027	0.0039	0.0044	0.0074	0.0107
45 mph	0.0015	0.0032	0.0020	0.0026	0.0038	0.0043	0.0070	0.0101
50 mph	0.0015	0.0032	0.0020	0.0026	0.0040	0.0044	0.0069	0.0099
55 mph	0.0016	0.0034	0.0021	0.0028	0.0042	0.0046	0.0071	0.0104
60 mph	0.0017	0.0037	0.0023	0.0030	0.0042	0.0046	0.0076	0.0110
65 mph	0.0019	0.0041	0.0025	0.0034	0.0043	0.0046		
70 mph	0.0021	0.0042	0.0027	0.0037	0.0044	0.0047		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0751	0.0066	0.0343	0.0080	0.0114	0.0040	0.0172	0.0001	0.1568
15 mph	0.0136	0.0012	0.0062	0.0015	0.0021	0.0007	0.0040	0.0000	0.0294
20 mph	0.0681	0.0060	0.0311	0.0073	0.0103	0.0036	0.0100	0.0001	0.1364
25 mph	0.2425	0.0214	0.1109	0.0259	0.0367	0.0129	0.0356	0.0003	0.4862
30 mph	0.2066	0.0183	0.0945	0.0221	0.0313	0.0110	0.0253	0.0002	0.4093
35 mph	0.1118	0.0099	0.0512	0.0120	0.0169	0.0059	0.0094	0.0001	0.2171
40 mph	0.0464	0.0041	0.0212	0.0050	0.0070	0.0025	0.0080	0.0001	0.0943
45 mph	0.0311	0.0027	0.0142	0.0033	0.0047	0.0016	0.0103	0.0001	0.0681
50 mph	0.0320	0.0028	0.0146	0.0034	0.0048	0.0017	0.0129	0.0001	0.0725
55 mph	0.0583	0.0051	0.0266	0.0063	0.0088	0.0031	0.0012	0.0000	0.1094
60 mph	0.0386	0.0034	0.0177	0.0042	0.0059	0.0021	0.0051	0.0000	0.0769
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.9241	0.0816	0.4226	0.0990	0.1400	0.0491	0.1389	0.0011	1.8564

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0105	0.0009	0.0048	0.0014	0.0027	0.0009	0.0063	0.0001	0.0275
25 mph	0.0134	0.0012	0.0061	0.0018	0.0034	0.0012	0.0108	0.0001	0.0380
30 mph	0.0199	0.0018	0.0091	0.0027	0.0050	0.0018	0.0239	0.0002	0.0643
35 mph	0.0295	0.0026	0.0135	0.0040	0.0075	0.0026	0.0266	0.0002	0.0864
40 mph	0.0429	0.0038	0.0196	0.0058	0.0108	0.0038	0.0300	0.0002	0.1169
45 mph	0.0933	0.0082	0.0427	0.0125	0.0236	0.0083	0.0215	0.0002	0.2104
50 mph	0.0814	0.0072	0.0372	0.0109	0.0205	0.0072	0.0133	0.0001	0.1778
55 mph	0.0615	0.0054	0.0281	0.0083	0.0156	0.0055	0.0046	0.0000	0.1289
60 mph	0.0317	0.0028	0.0145	0.0043	0.0081	0.0028	0.3353	0.0027	0.4022
65 mph	0.0162	0.0014	0.0074	0.0022	0.0042	0.0015	-	-	0.0329
70 mph	0.3856	0.0343	0.1765	0.0530	0.0996	0.0347	-	-	0.7836
total	0.7858	0.0697	0.3596	0.1067	0.2009	0.0702	0.4724	0.0038	2.0690

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0043	0.0013	0.0051	0.0001	0.0107
15 mph	0.0261	0.0023	0.0119	0.0044	0.0046	0.0016	0.0043	0.0000	0.0553
25 mph	-	-	-	-	0.0096	0.0034	0.0134	0.0001	0.0265
35 mph	0.2357	0.0208	0.1079	0.0165	-	-	-	-	0.3810
total	0.2619	0.0231	0.1198	0.0209	0.0185	0.0063	0.0228	0.0002	0.4735

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0043	0.0013	0.0051	0.0001	0.0107
10 mph	0.0751	0.0066	0.0343	0.0080	0.0114	0.0040	0.0172	0.0001	0.1568
15 mph	0.0398	0.0035	0.0182	0.0058	0.0067	0.0023	0.0083	0.0001	0.0847
20 mph	0.0785	0.0069	0.0359	0.0087	0.0130	0.0045	0.0163	0.0001	0.1639
25 mph	0.2560	0.0226	0.1170	0.0277	0.0497	0.0174	0.0597	0.0005	0.5507
30 mph	0.2265	0.0200	0.1036	0.0248	0.0363	0.0127	0.0492	0.0004	0.4735
35 mph	0.3770	0.0333	0.1725	0.0325	0.0244	0.0086	0.0360	0.0003	0.6846
40 mph	0.0893	0.0079	0.0409	0.0107	0.0179	0.0063	0.0380	0.0003	0.2112
45 mph	0.1244	0.0110	0.0569	0.0159	0.0283	0.0099	0.0318	0.0003	0.2785
50 mph	0.1134	0.0100	0.0518	0.0144	0.0254	0.0089	0.0262	0.0002	0.2503
55 mph	0.1197	0.0106	0.0547	0.0145	0.0244	0.0085	0.0058	0.0000	0.2384
60 mph	0.0703	0.0062	0.0322	0.0084	0.0140	0.0049	0.3404	0.0027	0.4791
65 mph	0.0162	0.0014	0.0074	0.0022	0.0042	0.0015	-	-	0.0329
70 mph	0.3856	0.0343	0.1765	0.0530	0.0996	0.0347	-	-	0.7836
total	1.9718	0.1745	0.9020	0.2266	0.3594	0.1256	0.6340	0.0051	4.3989

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0002	0.0002	0.0055	0.0044	0.0511	0.1458	0.2079
15 mph	0.0001	0.0000	0.0000	0.0000	0.0008	0.0006	0.0115	0.0323	0.0455
20 mph	0.0005	0.0000	0.0002	0.0002	0.0041	0.0033	0.0295	0.0819	0.1197
25 mph	0.0019	0.0000	0.0007	0.0006	0.0151	0.0122	0.1071	0.2912	0.4289
30 mph	0.0016	0.0000	0.0006	0.0005	0.0132	0.0106	0.0752	0.2043	0.3061
35 mph	0.0008	0.0000	0.0003	0.0003	0.0077	0.0062	0.0269	0.0730	0.1153
40 mph	0.0003	0.0000	0.0001	0.0001	0.0032	0.0026	0.0215	0.0586	0.0865
45 mph	0.0002	0.0000	0.0001	0.0001	0.0021	0.0016	0.0262	0.0715	0.1019
50 mph	0.0002	0.0000	0.0001	0.0001	0.0022	0.0017	0.0316	0.0858	0.1217
55 mph	0.0004	0.0000	0.0002	0.0001	0.0040	0.0031	0.0030	0.0081	0.0189
60 mph	0.0003	0.0000	0.0001	0.0001	0.0026	0.0020	0.0126	0.0345	0.0522
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0070	0.0000	0.0027	0.0022	0.0607	0.0483	0.3963	1.0872	1.6044

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0001	0.0000	0.0000	0.0000	0.0011	0.0008	0.0185	0.0515	0.0721
25 mph	0.0001	0.0000	0.0000	0.0000	0.0014	0.0011	0.0324	0.0880	0.1230
30 mph	0.0002	0.0000	0.0001	0.0001	0.0021	0.0017	0.0710	0.1929	0.2680
35 mph	0.0002	0.0000	0.0001	0.0001	0.0034	0.0027	0.0761	0.2068	0.2895
40 mph	0.0003	0.0000	0.0001	0.0001	0.0050	0.0040	0.0813	0.2214	0.3122
45 mph	0.0006	0.0000	0.0002	0.0003	0.0105	0.0082	0.0550	0.1501	0.2251
50 mph	0.0005	0.0000	0.0002	0.0002	0.0094	0.0072	0.0326	0.0884	0.1385
55 mph	0.0004	0.0000	0.0002	0.0002	0.0071	0.0054	0.0112	0.0307	0.0552
60 mph	0.0002	0.0000	0.0001	0.0001	0.0036	0.0027	0.8358	2.2773	3.1199
65 mph	0.0001	0.0000	0.0000	0.0001	0.0018	0.0014	-	-	0.0034
70 mph	0.0033	0.0000	0.0012	0.0013	0.0440	0.0331	-	-	0.0829
total	0.0061	0.0000	0.0023	0.0025	0.0894	0.0685	1.2140	3.3071	4.6899

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0021	0.0024	0.0107	0.0192	0.0344
15 mph	0.0002	0.0000	0.0001	0.0001	0.0018	0.0014	0.0124	0.0348	0.0508
25 mph	-	-	-	-	0.0040	0.0032	0.0403	0.1094	0.1568
35 mph	0.0018	0.0000	0.0007	0.0004	-	-	-	-	0.0028
total	0.0020	0.0000	0.0008	0.0005	0.0079	0.0070	0.0634	0.1635	0.2449

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0021	0.0024	0.0107	0.0192	0.0344
10 mph	0.0006	0.0000	0.0002	0.0002	0.0055	0.0044	0.0511	0.1458	0.2079
15 mph	0.0003	0.0000	0.0001	0.0001	0.0026	0.0021	0.0239	0.0672	0.0963
20 mph	0.0006	0.0000	0.0002	0.0002	0.0052	0.0041	0.0480	0.1334	0.1918
25 mph	0.0020	0.0000	0.0008	0.0006	0.0205	0.0166	0.1797	0.4885	0.7088
30 mph	0.0017	0.0000	0.0007	0.0006	0.0154	0.0123	0.1462	0.3972	0.5741
35 mph	0.0028	0.0000	0.0011	0.0007	0.0111	0.0089	0.1030	0.2799	0.4075
40 mph	0.0006	0.0000	0.0002	0.0002	0.0082	0.0065	0.1029	0.2801	0.3988
45 mph	0.0009	0.0000	0.0003	0.0003	0.0126	0.0099	0.0813	0.2216	0.3269
50 mph	0.0008	0.0000	0.0003	0.0003	0.0116	0.0089	0.0642	0.1742	0.2602
55 mph	0.0008	0.0000	0.0003	0.0003	0.0111	0.0085	0.0141	0.0388	0.0740
60 mph	0.0005	0.0000	0.0002	0.0002	0.0062	0.0047	0.8485	2.3118	3.1720
65 mph	0.0001	0.0000	0.0000	0.0001	0.0018	0.0014	-	-	0.0034
70 mph	0.0033	0.0000	0.0012	0.0013	0.0440	0.0331	-	-	0.0829
total	0.0150	0.0001	0.0058	0.0052	0.1580	0.1238	1.6737	4.5577	6.5392

SO2 Emissions (pounds/day) - Natural Gas/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
15 mph								-	-
25 mph								-	-
35 mph								-	-
total	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								-	-
25 mph								-	-
30 mph								-	-
35 mph								-	-
40 mph								-	-
45 mph								-	-
50 mph								-	-
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0064	0.0037	0.0158	0.0193	0.0452
10 mph	0.0757	0.0066	0.0346	0.0082	0.0169	0.0084	0.0683	0.1459	0.3646
15 mph	0.0401	0.0035	0.0183	0.0059	0.0093	0.0044	0.0322	0.0673	0.1810
20 mph	0.0792	0.0069	0.0361	0.0089	0.0181	0.0087	0.0643	0.1336	0.3557
25 mph	0.2580	0.0226	0.1178	0.0284	0.0703	0.0340	0.2395	0.4890	1.2595
30 mph	0.2282	0.0200	0.1043	0.0254	0.0517	0.0250	0.1954	0.3976	1.0476
35 mph	0.3798	0.0333	0.1736	0.0332	0.0355	0.0175	0.1390	0.2802	1.0921
40 mph	0.0899	0.0079	0.0411	0.0110	0.0261	0.0128	0.1408	0.2804	0.6100
45 mph	0.1253	0.0110	0.0572	0.0162	0.0409	0.0198	0.1131	0.2219	0.6054
50 mph	0.1142	0.0100	0.0521	0.0146	0.0369	0.0178	0.0904	0.1744	0.5105
55 mph	0.1205	0.0106	0.0551	0.0148	0.0355	0.0171	0.0200	0.0389	0.3124
60 mph	0.0708	0.0062	0.0324	0.0086	0.0202	0.0096	1.1889	2.3145	3.6512
65 mph	0.0163	0.0014	0.0075	0.0022	0.0060	0.0028	-	-	0.0363
70 mph	0.3888	0.0343	0.1777	0.0543	0.1436	0.0678	-	-	0.8666
STREX	0.0172	0.0015	0.0080	0.0029	0.0003	0.0001	0.0003	0.0000	0.0304
total	2.0040	0.1761	0.9158	0.2346	0.5177	0.2495	2.3080	4.5629	**10.9686**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0005	0.0006	0.0006	0.0008	0.0002	0.0002	0.0004	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0172	0.0015	0.0080	0.0029	0.0003	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0172	0.0015	0.0080	0.0029	0.0003	0.0001	0.0003	0.0000

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Project) - Mitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0387	0.0357	0.0337	0.0380
10 mph	0.0055	0.0073	0.0058	0.0059	0.0049	0.0045	0.0043	0.0049
15 mph	0.0037	0.0049	0.0039	0.0039	0.0033	0.0030	0.0029	0.0032
20 mph	0.0026	0.0035	0.0027	0.0028	0.0023	0.0021	0.0020	0.0023
25 mph	0.0019	0.0026	0.0020	0.0020	0.0017	0.0016	0.0015	0.0017
30 mph	0.0015	0.0020	0.0016	0.0016	0.0013	0.0012	0.0012	0.0013
35 mph	0.0012	0.0016	0.0013	0.0013	0.0011	0.0010	0.0009	0.0011
40 mph	0.0011	0.0014	0.0011	0.0011	0.0010	0.0009	0.0008	0.0010
45 mph	0.0010	0.0013	0.0010	0.0010	0.0009	0.0008	0.0007	0.0009
50 mph	0.0009	0.0013	0.0010	0.0010	0.0009	0.0008	0.0007	0.0009
55 mph	0.0009	0.0013	0.0010	0.0010	0.0009	0.0008	0.0007	0.0009
60 mph	0.0010	0.0014	0.0011	0.0011	0.0009	0.0008	0.0008	0.0009
65 mph	0.0012	0.0015	0.0012	0.0011	0.0011	0.0010		
70 mph	0.0013	0.0017	0.0013	0.0013	0.0011	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7944	0.8096	0.0073	0.0101
10 mph	0.0119	0.3054	0.0096	0.0081	0.0291	0.0345	0.0041	0.0112
15 mph	0.0096	0.2213	0.0081	0.0067	0.0219	0.0270	0.0032	0.0086
20 mph	0.0076	0.1693	0.0068	0.0055	0.0180	0.0223	0.0027	0.0061
25 mph	0.0062	0.1355	0.0058	0.0046	0.0149	0.0186	0.0026	0.0064
30 mph	0.0052	0.1138	0.0051	0.0040	0.0131	0.0163	0.0029	0.0070
35 mph	0.0046	0.1002	0.0046	0.0036	0.0119	0.0147	0.0035	0.0085
40 mph	0.0041	0.0918	0.0042	0.0033	0.0111	0.0136	0.0044	0.0109
45 mph	0.0039	0.0876	0.0039	0.0031	0.0105	0.0128	0.0057	0.0143
50 mph	0.0038	0.0879	0.0037	0.0030	0.0102	0.0123	0.0074	0.0183
55 mph	0.0038	0.0922	0.0035	0.0029	0.0100	0.0120	0.0095	0.0240
60 mph	0.0039	0.1007	0.0035	0.0029	0.0103	0.0122	0.0119	0.0296
65 mph	0.0041	0.1163	0.0036	0.0031	0.0116	0.0134		
70 mph	0.0042	0.1391	0.0037	0.0034	0.0181	0.0178		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0481
10 mph								0.0075
15 mph								0.0062
20 mph								0.0052
25 mph								0.0047
30 mph								0.0044
35 mph								0.0042
40 mph								0.0041
45 mph								0.0041
50 mph								0.0041
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0891	0.0089	0.0352	0.0068	0.0039	0.0011	0.0025	0.0000	0.1474
15 mph	0.0132	0.0013	0.0052	0.0010	0.0006	0.0002	0.0005	0.0000	0.0219
20 mph	0.0554	0.0056	0.0220	0.0042	0.0024	0.0007	0.0010	0.0000	0.0913
25 mph	0.1705	0.0175	0.0676	0.0130	0.0075	0.0021	0.0030	0.0000	0.2811
30 mph	0.1277	0.0131	0.0505	0.0097	0.0056	0.0016	0.0019	0.0000	0.2100
35 mph	0.0613	0.0063	0.0242	0.0046	0.0027	0.0007	0.0006	0.0000	0.1004
40 mph	0.0228	0.0023	0.0090	0.0017	0.0010	0.0003	0.0005	0.0000	0.0376
45 mph	0.0139	0.0014	0.0055	0.0011	0.0006	0.0002	0.0005	0.0000	0.0232
50 mph	0.0134	0.0014	0.0053	0.0010	0.0006	0.0002	0.0006	0.0000	0.0225
55 mph	0.0239	0.0024	0.0094	0.0018	0.0011	0.0003	0.0001	0.0000	0.0390
60 mph	0.0165	0.0017	0.0065	0.0012	0.0007	0.0002	0.0003	0.0000	0.0271
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.6076	0.0619	0.2402	0.0462	0.0266	0.0074	0.0114	0.0001	1.0014

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0085	0.0009	0.0034	0.0008	0.0006	0.0002	0.0006	0.0000	0.0150
25 mph	0.0094	0.0010	0.0037	0.0009	0.0007	0.0002	0.0009	0.0000	0.0169
30 mph	0.0123	0.0013	0.0049	0.0012	0.0009	0.0002	0.0018	0.0000	0.0225
35 mph	0.0162	0.0017	0.0064	0.0015	0.0012	0.0003	0.0017	0.0000	0.0290
40 mph	0.0210	0.0022	0.0083	0.0020	0.0016	0.0004	0.0018	0.0000	0.0372
45 mph	0.0417	0.0043	0.0164	0.0039	0.0031	0.0008	0.0011	0.0000	0.0714
50 mph	0.0341	0.0035	0.0134	0.0032	0.0025	0.0007	0.0007	0.0000	0.0580
55 mph	0.0252	0.0026	0.0099	0.0024	0.0019	0.0005	0.0002	0.0000	0.0427
60 mph	0.0135	0.0014	0.0053	0.0013	0.0010	0.0003	0.0171	0.0001	0.0400
65 mph	0.0077	0.0008	0.0030	0.0006	0.0006	0.0002	-	-	0.0128
70 mph	0.1967	0.0198	0.0761	0.0181	0.0144	0.0039	-	-	0.3290
total	0.3863	0.0392	0.1508	0.0360	0.0284	0.0077	0.0260	0.0002	0.6746

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0030	0.0008	0.0012	0.0000	0.0051
15 mph	0.0252	0.0025	0.0100	0.0030	0.0013	0.0004	0.0005	0.0000	0.0429
25 mph	-	-	-	-	0.0020	0.0005	0.0011	0.0000	0.0036
35 mph	0.1292	0.0132	0.0510	0.0064	-	-	-	-	0.1999
total	0.1544	0.0158	0.0610	0.0094	0.0062	0.0017	0.0029	0.0000	0.2514

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0030	0.0008	0.0012	0.0000	0.0051
10 mph	0.0891	0.0089	0.0352	0.0068	0.0039	0.0011	0.0025	0.0000	0.1474
15 mph	0.0384	0.0039	0.0152	0.0040	0.0018	0.0005	0.0010	0.0000	0.0648
20 mph	0.0639	0.0065	0.0253	0.0050	0.0030	0.0008	0.0016	0.0000	0.1063
25 mph	0.1800	0.0184	0.0713	0.0139	0.0101	0.0028	0.0051	0.0000	0.3016
30 mph	0.1400	0.0144	0.0554	0.0109	0.0065	0.0018	0.0036	0.0000	0.2325
35 mph	0.2067	0.0212	0.0815	0.0126	0.0039	0.0011	0.0023	0.0000	0.3293
40 mph	0.0438	0.0045	0.0173	0.0037	0.0026	0.0007	0.0022	0.0000	0.0748
45 mph	0.0556	0.0057	0.0219	0.0050	0.0037	0.0010	0.0017	0.0000	0.0946
50 mph	0.0475	0.0049	0.0187	0.0042	0.0031	0.0009	0.0013	0.0000	0.0805
55 mph	0.0491	0.0050	0.0193	0.0042	0.0029	0.0008	0.0003	0.0000	0.0817
60 mph	0.0300	0.0030	0.0118	0.0025	0.0017	0.0005	0.0174	0.0001	0.0671
65 mph	0.0077	0.0008	0.0030	0.0006	0.0006	0.0002	-	-	0.0128
70 mph	0.1967	0.0198	0.0761	0.0181	0.0144	0.0039	-	-	0.3290
total	1.1483	0.1169	0.4520	0.0916	0.0613	0.0169	0.0402	0.0003	1.9274

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0019	0.0001	0.0004	0.0002	0.0180	0.0150	0.0119	0.0612	0.1089
15 mph	0.0003	0.0000	0.0001	0.0000	0.0030	0.0026	0.0027	0.0135	0.0223
20 mph	0.0017	0.0001	0.0004	0.0002	0.0148	0.0129	0.0068	0.0285	0.0655
25 mph	0.0056	0.0004	0.0015	0.0008	0.0512	0.0450	0.0272	0.1263	0.2580
30 mph	0.0046	0.0003	0.0013	0.0006	0.0430	0.0377	0.0238	0.1102	0.2215
35 mph	0.0023	0.0002	0.0007	0.0003	0.0229	0.0199	0.0115	0.0534	0.1112
40 mph	0.0009	0.0001	0.0003	0.0001	0.0091	0.0079	0.0129	0.0600	0.0913
45 mph	0.0006	0.0000	0.0002	0.0001	0.0057	0.0049	0.0215	0.1007	0.1338
50 mph	0.0006	0.0000	0.0002	0.0001	0.0056	0.0048	0.0341	0.1579	0.2031
55 mph	0.0010	0.0001	0.0003	0.0001	0.0096	0.0081	0.0040	0.0188	0.0420
60 mph	0.0006	0.0000	0.0002	0.0001	0.0064	0.0053	0.0198	0.0929	0.1253
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0201	0.0013	0.0054	0.0027	0.1895	0.1641	0.1762	0.8234	1.3828

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0003	0.0000	0.0001	0.0000	0.0038	0.0033	0.0043	0.0180	0.0298
25 mph	0.0003	0.0000	0.0001	0.0001	0.0047	0.0042	0.0082	0.0382	0.0558
30 mph	0.0004	0.0000	0.0001	0.0001	0.0069	0.0061	0.0225	0.1040	0.1401
35 mph	0.0006	0.0000	0.0002	0.0001	0.0101	0.0088	0.0326	0.1511	0.2036
40 mph	0.0008	0.0001	0.0002	0.0002	0.0141	0.0121	0.0486	0.2267	0.3028
45 mph	0.0017	0.0001	0.0005	0.0003	0.0288	0.0247	0.0451	0.2113	0.3127
50 mph	0.0014	0.0001	0.0004	0.0002	0.0238	0.0202	0.0351	0.1626	0.2438
55 mph	0.0010	0.0001	0.0003	0.0002	0.0170	0.0144	0.0149	0.0711	0.1190
60 mph	0.0005	0.0000	0.0001	0.0001	0.0087	0.0073	1.3104	6.1362	7.4634
65 mph	0.0003	0.0000	0.0001	0.0000	0.0049	0.0040	-	-	0.0093
70 mph	0.0065	0.0006	0.0017	0.0012	0.1806	0.1250	-	-	0.3157
total	0.0139	0.0012	0.0037	0.0025	0.3035	0.2301	1.5218	7.1193	9.1959

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0484	0.0347	0.0014	0.0036	0.0881
15 mph	0.0007	0.0000	0.0002	0.0001	0.0067	0.0058	0.0029	0.0145	0.0309
25 mph	-	-	-	-	0.0134	0.0118	0.0102	0.0475	0.0829
35 mph	0.0049	0.0003	0.0014	0.0005	-	-	-	-	0.0071
total	0.0056	0.0004	0.0016	0.0006	0.0685	0.0523	0.0145	0.0656	0.2090

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0484	0.0347	0.0014	0.0036	0.0881
10 mph	0.0019	0.0001	0.0004	0.0002	0.0180	0.0150	0.0119	0.0612	0.1089
15 mph	0.0010	0.0001	0.0002	0.0002	0.0097	0.0084	0.0056	0.0280	0.0532
20 mph	0.0019	0.0001	0.0005	0.0003	0.0186	0.0163	0.0112	0.0465	0.0953
25 mph	0.0060	0.0004	0.0016	0.0008	0.0694	0.0609	0.0457	0.2119	0.3967
30 mph	0.0050	0.0003	0.0014	0.0007	0.0500	0.0438	0.0462	0.2142	0.3616
35 mph	0.0078	0.0005	0.0022	0.0009	0.0330	0.0287	0.0441	0.2045	0.3218
40 mph	0.0017	0.0001	0.0005	0.0003	0.0232	0.0200	0.0615	0.2867	0.3941
45 mph	0.0023	0.0002	0.0006	0.0004	0.0346	0.0297	0.0666	0.3121	0.4465
50 mph	0.0020	0.0001	0.0005	0.0003	0.0294	0.0250	0.0691	0.3205	0.4470
55 mph	0.0020	0.0001	0.0005	0.0003	0.0267	0.0225	0.0189	0.0900	0.1610
60 mph	0.0012	0.0001	0.0003	0.0002	0.0151	0.0126	1.3302	6.2291	7.5887
65 mph	0.0003	0.0000	0.0001	0.0000	0.0049	0.0040	-	-	0.0093
70 mph	0.0065	0.0006	0.0017	0.0012	0.1806	0.1250	-	-	0.3157
total	0.0396	0.0029	0.0106	0.0058	0.5616	0.4465	1.7124	8.0083	10.7877

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0023	0.0023
15 mph								0.0005	0.0005
20 mph								0.0014	0.0014
25 mph								0.0051	0.0051
30 mph								0.0038	0.0038
35 mph								0.0015	0.0015
40 mph								0.0012	0.0012
45 mph								0.0016	0.0016
50 mph								0.0020	0.0020
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0195	0.0195

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0009	0.0009
25 mph								0.0016	0.0016
30 mph								0.0036	0.0036
35 mph								0.0041	0.0041
40 mph								0.0047	0.0047
45 mph								0.0033	0.0033
50 mph								0.0020	0.0020
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0102	0.0102

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
15 mph								0.0006	0.0006
25 mph								0.0019	0.0019
35 mph								-	-
total	-	-	-	-	-	-	-	0.0035	0.0035

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
10 mph								0.0023	0.0023
15 mph								0.0011	0.0011
20 mph								0.0022	0.0022
25 mph								0.0086	0.0086
30 mph								0.0074	0.0074
35 mph								0.0056	0.0056
40 mph								0.0059	0.0059
45 mph								0.0049	0.0049
50 mph								0.0040	0.0040
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0431	0.0431

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0514	0.0356	0.0026	0.0045	0.0941
10 mph	0.0911	0.0091	0.0356	0.0070	0.0219	0.0161	0.0143	0.0635	0.2586
15 mph	0.0394	0.0039	0.0154	0.0042	0.0115	0.0090	0.0065	0.0292	0.1191
20 mph	0.0658	0.0066	0.0258	0.0053	0.0217	0.0171	0.0128	0.0487	0.2038
25 mph	0.1859	0.0188	0.0729	0.0147	0.0795	0.0637	0.0508	0.2206	0.7069
30 mph	0.1450	0.0147	0.0567	0.0116	0.0565	0.0456	0.0499	0.2216	0.6015
35 mph	0.2145	0.0217	0.0838	0.0135	0.0369	0.0297	0.0465	0.2101	0.6566
40 mph	0.0456	0.0046	0.0178	0.0040	0.0258	0.0207	0.0637	0.2926	0.4748
45 mph	0.0579	0.0058	0.0226	0.0054	0.0383	0.0307	0.0683	0.3170	0.5460
50 mph	0.0494	0.0050	0.0192	0.0046	0.0325	0.0258	0.0704	0.3246	0.5316
55 mph	0.0511	0.0051	0.0199	0.0045	0.0296	0.0233	0.0192	0.0900	0.2426
60 mph	0.0312	0.0031	0.0121	0.0027	0.0168	0.0131	1.3476	6.2292	7.6558
65 mph	0.0079	0.0008	0.0031	0.0007	0.0055	0.0041	-	-	0.0221
70 mph	0.2032	0.0205	0.0778	0.0193	0.1950	0.1289	-	-	0.6447
STREX	0.0585	0.0057	0.0223	0.0066	0.0007	0.0002	0.0003	0.0000	0.0944
total	1.2464	0.1255	0.4849	0.1040	0.6236	0.4636	1.7530	8.0517	**12.8526**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0017	0.0022	0.0017	0.0018	0.0004	0.0003	0.0004	0.0006
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0585	0.0057	0.0223	0.0066	0.0007	0.0002	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0585	0.0057	0.0223	0.0066	0.0007	0.0002	0.0003	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	16.0908	1.2174	6.0245	1.1404	1.4669	0.5146	1.1551	0.0045
Diesel	0.1626	0.0005	0.0462	0.0293	1.2141	0.9771	5.9185	7.5465
Electric/NG	0.4859	0.0172	0.1100	0.0193	-	-	-	0.4263
Total	16.7392	1.2350	6.1807	1.1890	2.6810	1.4917	7.0736	7.9773

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	14.8568	1.1240	5.5625	1.3151	2.2644	0.7944	4.3621	0.0170
Diesel	0.1501	0.0004	0.0426	0.0338	1.8743	1.5083	22.3496	28.4972
Electric/NG	0.4486	0.0159	0.1016	0.0222	-	-	-	1.6098
Total	15.4555	1.1403	5.7067	1.3711	4.1387	2.3027	26.7117	30.1240

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5.0594	0.3828	1.8943	0.2535	0.1289	0.0452	0.1334	0.0005
Diesel	0.0511	0.0002	0.0145	0.0065	0.1067	0.0859	0.6835	0.8715
Electric/NG	0.1528	0.0054	0.0346	0.0043	-	-	-	0.0492
Total	5.2633	0.3883	1.9434	0.2643	0.2356	0.1311	0.8169	0.9213

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	36.0070	2.7242	13.4813	2.7090	3.8602	1.3543	5.6507	0.0220	65.8086
Diesel	0.3638	0.0011	0.1033	0.0696	3.1951	2.5712	28.9516	36.9152	72.1708
Electric/NG	1.0872	0.0384	0.2462	0.0458	-	-	-	2.0853	3.5030
Total	37.4580	2.7637	13.8308	2.8244	7.0553	3.9255	34.6022	39.0225	**141.4824**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	137.8992
Internal	155.4896
Total	**293.3888**

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Project) - Mitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0356	0.0329	0.0309	0.0349
10 mph	0.0051	0.0067	0.0053	0.0054	0.0045	0.0042	0.0040	0.0045
15 mph	0.0034	0.0045	0.0036	0.0036	0.0030	0.0028	0.0026	0.0030
20 mph	0.0024	0.0032	0.0025	0.0025	0.0021	0.0020	0.0019	0.0021
25 mph	0.0017	0.0024	0.0018	0.0019	0.0016	0.0014	0.0014	0.0016
30 mph	0.0014	0.0018	0.0014	0.0015	0.0012	0.0011	0.0011	0.0012
35 mph	0.0011	0.0015	0.0012	0.0012	0.0010	0.0009	0.0009	0.0010
40 mph	0.0010	0.0013	0.0010	0.0010	0.0009	0.0008	0.0008	0.0009
45 mph	0.0009	0.0012	0.0009	0.0010	0.0008	0.0007	0.0007	0.0008
50 mph	0.0009	0.0012	0.0009	0.0009	0.0008	0.0007	0.0007	0.0008
55 mph	0.0009	0.0012	0.0009	0.0009	0.0008	0.0007	0.0007	0.0008
60 mph	0.0009	0.0013	0.0010	0.0010	0.0009	0.0008	0.0007	0.0009
65 mph	0.0011	0.0014	0.0011	0.0011	0.0010	0.0009		
70 mph	0.0012	0.0015	0.0012	0.0012	0.0011	0.0009		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7600	0.7746	0.0070	0.0096
10 mph	0.0113	0.2922	0.0092	0.0078	0.0279	0.0330	0.0039	0.0107
15 mph	0.0092	0.2117	0.0078	0.0064	0.0209	0.0259	0.0031	0.0082
20 mph	0.0073	0.1619	0.0065	0.0052	0.0172	0.0214	0.0026	0.0058
25 mph	0.0059	0.1296	0.0055	0.0044	0.0143	0.0178	0.0025	0.0062
30 mph	0.0050	0.1088	0.0049	0.0039	0.0125	0.0156	0.0027	0.0067
35 mph	0.0044	0.0959	0.0044	0.0035	0.0114	0.0141	0.0033	0.0081
40 mph	0.0040	0.0879	0.0040	0.0032	0.0106	0.0130	0.0042	0.0105
45 mph	0.0038	0.0838	0.0037	0.0030	0.0100	0.0122	0.0055	0.0137
50 mph	0.0036	0.0841	0.0035	0.0029	0.0098	0.0118	0.0071	0.0175
55 mph	0.0036	0.0882	0.0034	0.0028	0.0096	0.0115	0.0091	0.0230
60 mph	0.0037	0.0963	0.0033	0.0028	0.0098	0.0117	0.0114	0.0283
65 mph	0.0039	0.1112	0.0034	0.0029	0.0111	0.0128		
70 mph	0.0040	0.1331	0.0036	0.0033	0.0173	0.0171		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0460
10 mph								0.0072
15 mph								0.0059
20 mph								0.0050
25 mph								0.0045
30 mph								0.0042
35 mph								0.0040
40 mph								0.0039
45 mph								0.0039
50 mph								0.0040
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0819	0.0082	0.0323	0.0062	0.0035	0.0010	0.0023	0.0000	0.1355
15 mph	0.0121	0.0012	0.0048	0.0009	0.0005	0.0001	0.0004	0.0000	0.0201
20 mph	0.0509	0.0052	0.0202	0.0039	0.0022	0.0006	0.0009	0.0000	0.0839
25 mph	0.1568	0.0160	0.0621	0.0120	0.0069	0.0019	0.0028	0.0000	0.2585
30 mph	0.1174	0.0120	0.0464	0.0089	0.0051	0.0014	0.0017	0.0000	0.1931
35 mph	0.0563	0.0058	0.0222	0.0043	0.0025	0.0007	0.0006	0.0000	0.0923
40 mph	0.0209	0.0021	0.0083	0.0016	0.0009	0.0003	0.0004	0.0000	0.0346
45 mph	0.0128	0.0013	0.0050	0.0010	0.0006	0.0002	0.0005	0.0000	0.0213
50 mph	0.0123	0.0013	0.0049	0.0009	0.0005	0.0001	0.0006	0.0000	0.0207
55 mph	0.0220	0.0022	0.0086	0.0017	0.0010	0.0003	0.0001	0.0000	0.0358
60 mph	0.0152	0.0015	0.0060	0.0011	0.0007	0.0002	0.0002	0.0000	0.0249
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.5586	0.0570	0.2209	0.0425	0.0245	0.0068	0.0105	0.0001	0.9207

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0078	0.0008	0.0031	0.0007	0.0006	0.0002	0.0006	0.0000	0.0138
25 mph	0.0087	0.0009	0.0034	0.0008	0.0006	0.0002	0.0008	0.0000	0.0155
30 mph	0.0113	0.0012	0.0045	0.0011	0.0008	0.0002	0.0016	0.0000	0.0207
35 mph	0.0149	0.0015	0.0059	0.0014	0.0011	0.0003	0.0016	0.0000	0.0267
40 mph	0.0193	0.0020	0.0076	0.0018	0.0014	0.0004	0.0016	0.0000	0.0342
45 mph	0.0383	0.0039	0.0151	0.0036	0.0028	0.0008	0.0011	0.0000	0.0657
50 mph	0.0313	0.0032	0.0123	0.0030	0.0023	0.0006	0.0006	0.0000	0.0534
55 mph	0.0232	0.0024	0.0091	0.0022	0.0017	0.0005	0.0002	0.0000	0.0393
60 mph	0.0124	0.0013	0.0049	0.0012	0.0009	0.0003	0.0158	0.0001	0.0368
65 mph	0.0070	0.0007	0.0028	0.0007	0.0005	0.0001	-	-	0.0118
70 mph	0.1808	0.0182	0.0700	0.0167	0.0132	0.0036	-	-	0.3025
total	0.3551	0.0360	0.1387	0.0332	0.0261	0.0071	0.0239	0.0002	0.6203

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0027	0.0008	0.0011	0.0000	0.0047
15 mph	0.0232	0.0023	0.0092	0.0028	0.0012	0.0003	0.0005	0.0000	0.0394
25 mph	-	-	-	-	0.0018	0.0005	0.0010	0.0000	0.0034
35 mph	0.1188	0.0122	0.0469	0.0059	-	-	-	-	0.1838
total	0.1420	0.0145	0.0561	0.0086	0.0057	0.0016	0.0026	0.0000	0.2312

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0027	0.0008	0.0011	0.0000	0.0047
10 mph	0.0819	0.0082	0.0323	0.0062	0.0035	0.0010	0.0023	0.0000	0.1355
15 mph	0.0353	0.0036	0.0140	0.0037	0.0017	0.0005	0.0009	0.0000	0.0595
20 mph	0.0587	0.0060	0.0233	0.0046	0.0028	0.0008	0.0015	0.0000	0.0977
25 mph	0.1655	0.0169	0.0656	0.0128	0.0093	0.0026	0.0046	0.0000	0.2773
30 mph	0.1287	0.0132	0.0509	0.0100	0.0060	0.0017	0.0033	0.0000	0.2138
35 mph	0.1900	0.0195	0.0750	0.0115	0.0036	0.0010	0.0022	0.0000	0.3028
40 mph	0.0403	0.0041	0.0159	0.0034	0.0023	0.0006	0.0020	0.0000	0.0688
45 mph	0.0511	0.0052	0.0202	0.0046	0.0034	0.0009	0.0016	0.0000	0.0870
50 mph	0.0436	0.0045	0.0172	0.0039	0.0029	0.0008	0.0012	0.0000	0.0741
55 mph	0.0451	0.0046	0.0178	0.0039	0.0027	0.0007	0.0003	0.0000	0.0751
60 mph	0.0276	0.0028	0.0108	0.0023	0.0016	0.0004	0.0160	0.0001	0.0617
65 mph	0.0070	0.0007	0.0028	0.0007	0.0005	0.0001	-	-	0.0118
70 mph	0.1808	0.0182	0.0700	0.0167	0.0132	0.0036	-	-	0.3025
total	1.0558	0.1075	0.4156	0.0843	0.0563	0.0155	0.0370	0.0003	1.7723

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0019	0.0001	0.0004	0.0002	0.0172	0.0144	0.0114	0.0586	0.1042
15 mph	0.0003	0.0000	0.0001	0.0000	0.0029	0.0025	0.0026	0.0129	0.0213
20 mph	0.0016	0.0001	0.0004	0.0002	0.0142	0.0124	0.0066	0.0273	0.0627
25 mph	0.0054	0.0003	0.0014	0.0007	0.0490	0.0430	0.0261	0.1208	0.2468
30 mph	0.0044	0.0003	0.0012	0.0006	0.0412	0.0361	0.0228	0.1054	0.2119
35 mph	0.0022	0.0001	0.0006	0.0003	0.0219	0.0190	0.0110	0.0511	0.1063
40 mph	0.0009	0.0001	0.0002	0.0001	0.0087	0.0075	0.0123	0.0574	0.0873
45 mph	0.0005	0.0000	0.0002	0.0001	0.0055	0.0047	0.0206	0.0964	0.1280
50 mph	0.0005	0.0000	0.0001	0.0001	0.0054	0.0046	0.0326	0.1511	0.1944
55 mph	0.0009	0.0001	0.0002	0.0001	0.0092	0.0078	0.0038	0.0180	0.0402
60 mph	0.0006	0.0000	0.0002	0.0001	0.0061	0.0051	0.0190	0.0888	0.1199
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0192	0.0013	0.0051	0.0026	0.1813	0.1570	0.1686	0.7878	1.3229

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0002	0.0000	0.0001	0.0000	0.0036	0.0032	0.0041	0.0172	0.0285
25 mph	0.0003	0.0000	0.0001	0.0000	0.0045	0.0040	0.0079	0.0365	0.0533
30 mph	0.0004	0.0000	0.0001	0.0001	0.0066	0.0058	0.0215	0.0995	0.1341
35 mph	0.0006	0.0000	0.0002	0.0001	0.0097	0.0084	0.0312	0.1446	0.1948
40 mph	0.0008	0.0001	0.0002	0.0001	0.0135	0.0116	0.0465	0.2168	0.2897
45 mph	0.0016	0.0001	0.0005	0.0003	0.0276	0.0237	0.0432	0.2022	0.2991
50 mph	0.0013	0.0001	0.0004	0.0002	0.0228	0.0193	0.0336	0.1556	0.2333
55 mph	0.0010	0.0001	0.0003	0.0002	0.0163	0.0137	0.0143	0.0681	0.1138
60 mph	0.0005	0.0000	0.0001	0.0001	0.0083	0.0070	1.2537	5.8708	7.1405
65 mph	0.0003	0.0000	0.0001	0.0000	0.0047	0.0038	-	-	0.0089
70 mph	0.0063	0.0006	0.0016	0.0012	0.1727	0.1196	-	-	0.3020
total	0.0133	0.0011	0.0035	0.0024	0.2904	0.2201	1.4559	6.8113	8.7981

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0463	0.0332	0.0013	0.0034	0.0843
15 mph	0.0006	0.0000	0.0002	0.0001	0.0064	0.0056	0.0028	0.0139	0.0296
25 mph	-	-	-	-	0.0129	0.0113	0.0098	0.0454	0.0793
35 mph	0.0047	0.0003	0.0013	0.0004	-	-	-	-	0.0068
total	0.0053	0.0003	0.0015	0.0006	0.0656	0.0501	0.0139	0.0627	0.2000

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0463	0.0332	0.0013	0.0034	0.0843
10 mph	0.0019	0.0001	0.0004	0.0002	0.0172	0.0144	0.0114	0.0586	0.1042
15 mph	0.0010	0.0001	0.0002	0.0002	0.0093	0.0081	0.0053	0.0268	0.0509
20 mph	0.0018	0.0001	0.0005	0.0002	0.0178	0.0156	0.0107	0.0445	0.0912
25 mph	0.0057	0.0004	0.0015	0.0008	0.0664	0.0583	0.0437	0.2027	0.3795
30 mph	0.0048	0.0003	0.0013	0.0007	0.0478	0.0419	0.0442	0.2049	0.3459
35 mph	0.0075	0.0005	0.0021	0.0009	0.0316	0.0274	0.0422	0.1957	0.3079
40 mph	0.0017	0.0001	0.0005	0.0003	0.0222	0.0192	0.0588	0.2743	0.3770
45 mph	0.0022	0.0001	0.0006	0.0004	0.0331	0.0284	0.0638	0.2986	0.4271
50 mph	0.0019	0.0001	0.0005	0.0003	0.0281	0.0239	0.0661	0.3067	0.4276
55 mph	0.0019	0.0001	0.0005	0.0003	0.0255	0.0215	0.0181	0.0861	0.1540
60 mph	0.0011	0.0001	0.0003	0.0002	0.0144	0.0120	1.2727	5.9596	7.2604
65 mph	0.0003	0.0000	0.0001	0.0000	0.0047	0.0038	-	-	0.0089
70 mph	0.0063	0.0006	0.0016	0.0012	0.1727	0.1196	-	-	0.3020
total	0.0379	0.0027	0.0101	0.0056	0.5373	0.4272	1.6384	7.6618	10.3210

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0022	0.0022
15 mph								0.0005	0.0005
20 mph								0.0013	0.0013
25 mph								0.0049	0.0049
30 mph								0.0037	0.0037
35 mph								0.0014	0.0014
40 mph								0.0012	0.0012
45 mph								0.0015	0.0015
50 mph								0.0019	0.0019
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0186	0.0186

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0008	0.0008
25 mph								0.0015	0.0015
30 mph								0.0035	0.0035
35 mph								0.0039	0.0039
40 mph								0.0045	0.0045
45 mph								0.0032	0.0032
50 mph								0.0020	0.0020
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0097	0.0097

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
15 mph								0.0006	0.0006
25 mph								0.0019	0.0019
35 mph								-	-
total	-	-	-	-	-	-	-	0.0033	0.0033

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
10 mph								0.0022	0.0022
15 mph								0.0011	0.0011
20 mph								0.0021	0.0021
25 mph								0.0083	0.0083
30 mph								0.0071	0.0071
35 mph								0.0053	0.0053
40 mph								0.0057	0.0057
45 mph								0.0047	0.0047
50 mph								0.0039	0.0039
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0413	0.0413

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0491	0.0340	0.0024	0.0043	0.0898
10 mph	0.0838	0.0083	0.0328	0.0064	0.0208	0.0154	0.0136	0.0608	0.2419
15 mph	0.0362	0.0036	0.0142	0.0038	0.0110	0.0085	0.0062	0.0279	0.1115
20 mph	0.0606	0.0061	0.0238	0.0049	0.0206	0.0163	0.0121	0.0466	0.1910
25 mph	0.1712	0.0173	0.0671	0.0136	0.0757	0.0609	0.0484	0.2110	0.6651
30 mph	0.1335	0.0135	0.0522	0.0107	0.0538	0.0435	0.0476	0.2121	0.5668
35 mph	0.1975	0.0200	0.0771	0.0124	0.0352	0.0284	0.0444	0.2010	0.6160
40 mph	0.0420	0.0042	0.0164	0.0037	0.0246	0.0198	0.0609	0.2800	0.4515
45 mph	0.0533	0.0054	0.0208	0.0050	0.0365	0.0293	0.0653	0.3033	0.5189
50 mph	0.0455	0.0046	0.0177	0.0042	0.0310	0.0247	0.0673	0.3105	0.5056
55 mph	0.0470	0.0047	0.0183	0.0041	0.0282	0.0223	0.0183	0.0861	0.2291
60 mph	0.0287	0.0029	0.0111	0.0025	0.0160	0.0125	1.2887	5.9598	7.3221
65 mph	0.0073	0.0007	0.0028	0.0007	0.0052	0.0040	-	-	0.0207
70 mph	0.1871	0.0188	0.0716	0.0178	0.1860	0.1232	-	-	0.6045
STREX	0.0538	0.0052	0.0205	0.0061	0.0007	0.0002	0.0003	0.0000	0.0868
total	1.1475	0.1155	0.4463	0.0959	0.5943	0.4429	1.6756	7.7034	**12.2213**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0016	0.0020	0.0016	0.0016	0.0004	0.0003	0.0004	0.0006
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0538	0.0052	0.0205	0.0061	0.0007	0.0002	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0538	0.0052	0.0205	0.0061	0.0007	0.0002	0.0003	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	6.3824	0.4829	2.3896	0.4523	0.6038	0.2130	0.4777	0.0017
Diesel	0.0645	0.0002	0.0183	0.0116	0.4909	0.3980	2.4474	2.7379
Electric/NG	0.1927	0.0068	0.0436	0.0076	-	-	-	0.1547
Total	6.6396	0.4899	2.4516	0.4716	1.0948	0.6110	2.9251	2.8942

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5.8929	0.4458	2.2064	0.5216	0.9322	0.3288	1.8038	0.0065
Diesel	0.0595	0.0002	0.0169	0.0134	0.7578	0.6145	9.2419	10.3388
Electric/NG	0.1779	0.0063	0.0403	0.0088	-	-	-	0.5840
Total	6.1304	0.4523	2.2636	0.5439	1.6900	0.9433	11.0457	10.9293

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.0068	0.1518	0.7514	0.1005	0.0531	0.0187	0.0552	0.0002
Diesel	0.0203	0.0001	0.0058	0.0026	0.0431	0.0350	0.2826	0.3162
Electric/NG	0.0606	0.0021	0.0137	0.0017	-	-	-	0.0179
Total	2.0877	0.1540	0.7708	0.1048	0.0962	0.0537	0.3378	0.3343

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	14.2821	1.0805	5.3473	1.0745	1.5891	0.5605	2.3366	0.0085	26.2792
Diesel	0.1443	0.0004	0.0410	0.0276	1.2919	1.0475	11.9720	13.3928	27.9175
Electric/NG	0.4312	0.0152	0.0977	0.0182	-	-	-	0.7566	1.3189
Total	14.8576	1.0962	5.4860	1.1203	2.8810	1.6080	14.3086	14.1578	**55.5155**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	33.8480
Internal	38.1656
Total	**72.0136**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0378	0.0262	0.0019	0.0033	0.0692
10 mph	0.0536	0.0053	0.0210	0.0041	0.0160	0.0118	0.0105	0.0468	0.1692
15 mph	0.0232	0.0023	0.0091	0.0025	0.0084	0.0066	0.0048	0.0215	0.0784
20 mph	0.0388	0.0039	0.0152	0.0031	0.0159	0.0126	0.0094	0.0359	0.1347
25 mph	0.1096	0.0111	0.0429	0.0087	0.0583	0.0469	0.0373	0.1625	0.4771
30 mph	0.0854	0.0086	0.0334	0.0068	0.0414	0.0335	0.0366	0.1633	0.4092
35 mph	0.1264	0.0128	0.0493	0.0079	0.0271	0.0219	0.0342	0.1548	0.4344
40 mph	0.0268	0.0027	0.0105	0.0024	0.0189	0.0152	0.0469	0.2156	0.3390
45 mph	0.0341	0.0034	0.0133	0.0032	0.0281	0.0226	0.0503	0.2336	0.3886
50 mph	0.0291	0.0029	0.0113	0.0027	0.0239	0.0190	0.0519	0.2391	0.3799
55 mph	0.0301	0.0030	0.0117	0.0027	0.0217	0.0171	0.0141	0.0663	0.1667
60 mph	0.0184	0.0018	0.0071	0.0016	0.0123	0.0096	0.9923	4.5890	5.6321
65 mph	0.0047	0.0005	0.0018	0.0005	0.0040	0.0030	-	-	0.0145
70 mph	0.1197	0.0121	0.0458	0.0114	0.1432	0.0949	-	-	0.4271
total	0.6999	0.0705	0.2725	0.0575	0.4571	0.3409	1.2900	5.9316	9.1201

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2025 Phase 1 Buildout (Project) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	2,726	2.40	0.32	0.0005	1.3	0.0019	5.2
2	L	3,260	2.40	0.32	0.0005	1.5	0.0019	6.2
3	L	3,203	2.40	0.32	0.0005	1.5	0.0019	6.1
5	L	2,810	2.40	0.32	0.0005	1.3	0.0019	5.4
6	L	10,343	2.40	0.32	0.0005	4.8	0.0019	19.7
8	L	2,383	2.40	0.32	0.0005	1.1	0.0019	4.5
11	L	5,534	2.40	0.32	0.0005	2.6	0.0019	10.5
12	L	6,309	2.40	0.32	0.0005	3.0	0.0019	12.0
14	L	2,918	2.40	0.32	0.0005	1.4	0.0019	5.6
18	L	928	2.40	0.32	0.0005	0.4	0.0019	1.8
19	L	2,023	2.40	0.32	0.0005	0.9	0.0019	3.9
21	L	1,170	2.40	0.32	0.0005	0.5	0.0019	2.2
24	L	2,428	2.40	0.32	0.0005	1.1	0.0019	4.6
30	L	25,286	2.40	0.32	0.0005	11.8	0.0019	48.2
29	L	1,932	2.40	0.32	0.0005	0.9	0.0019	3.7
31	L	8,362	2.40	0.32	0.0005	3.9	0.0019	15.9
TOTAL						38.2		155.5

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2025 Phase 1 Buildout (Project) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	337,849	2.40	0.032	0.0001	19.43652293	0.0002	79.18583414
Freeway	F	499,178	2.40	0.015	0.0000	14.41145858	0.0001	58.71334977
TOTAL		837,027				33.8479815		137.8991839

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Project) - Mitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0057	0.0100	0.0081	0.0096	0.0132	0.0149	0.0233	0.2032
15 mph	0.0050	0.0087	0.0070	0.0084	0.0116	0.0131	0.0207	0.1796
20 mph	0.0045	0.0077	0.0063	0.0075	0.0107	0.0118	0.0187	0.1627
25 mph	0.0041	0.0070	0.0057	0.0068	0.0098	0.0108	0.0169	0.1492
30 mph	0.0038	0.0064	0.0053	0.0063	0.0092	0.0101	0.0155	0.1394
35 mph	0.0036	0.0061	0.0050	0.0059	0.0088	0.0095	0.0145	0.1324
40 mph	0.0034	0.0058	0.0047	0.0057	0.0085	0.0091	0.0139	0.1272
45 mph	0.0033	0.0056	0.0046	0.0055	0.0084	0.0089	0.0134	0.1240
50 mph	0.0033	0.0056	0.0046	0.0055	0.0084	0.0088	0.0133	0.1230
55 mph	0.0033	0.0058	0.0046	0.0056	0.0085	0.0089	0.0135	0.1248
60 mph	0.0034	0.0061	0.0049	0.0059	0.0089	0.0093	0.0139	0.1289
65 mph	0.0036	0.0066	0.0051	0.0062	0.0093	0.0097	0.0147	0.1346
70 mph	0.0038	0.0074	0.0053	0.0067	0.0104	0.0100	0.0146	0.1442

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0613	0.1353	0.0828	0.1031	0.1491	0.1668	0.2923	0.4418
15 mph	0.0504	0.1126	0.0687	0.0873	0.0969	0.1106	0.2300	0.3430
20 mph	0.0414	0.0924	0.0564	0.0725	0.0827	0.0944	0.1964	0.2895
25 mph	0.0347	0.0772	0.0473	0.0615	0.0734	0.0842	0.1714	0.2470
30 mph	0.0301	0.0665	0.0409	0.0532	0.0667	0.0760	0.1505	0.2167
35 mph	0.0272	0.0596	0.0369	0.0484	0.0669	0.0762	0.1344	0.1936
40 mph	0.0255	0.0555	0.0344	0.0453	0.0652	0.0735	0.1231	0.1777
45 mph	0.0246	0.0536	0.0332	0.0436	0.0636	0.0707	0.1167	0.1686
50 mph	0.0247	0.0536	0.0333	0.0439	0.0667	0.0734	0.1151	0.1654
55 mph	0.0258	0.0560	0.0348	0.0463	0.0697	0.0759	0.1184	0.1724
60 mph	0.0280	0.0607	0.0377	0.0501	0.0703	0.0761	0.1265	0.1827
65 mph	0.0315	0.0677	0.0423	0.0565	0.0715	0.0766	0.1395	0.1983
70 mph	0.0344	0.0706	0.0451	0.0619	0.0735	0.0786	0.1406	0.2008

*US EPA Emission Factors for Greenhouse Gas Inventories. (idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.9491
15 mph								0.7965
20 mph								0.6951
25 mph								0.6401
30 mph								0.6049
35 mph								0.5770
40 mph								0.5542
45 mph								0.5351
50 mph								0.5187
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0918	0.0123	0.0488	0.0110	0.0103	0.0035	0.0132	0.0008	0.1917
15 mph	0.0179	0.0024	0.0095	0.0021	0.0020	0.0007	0.0034	0.0002	0.0382
20 mph	0.0966	0.0126	0.0509	0.0114	0.0111	0.0038	0.0091	0.0005	0.1960
25 mph	0.3666	0.0474	0.1921	0.0433	0.0426	0.0143	0.0344	0.0020	0.7426
30 mph	0.3265	0.0420	0.1705	0.0385	0.0385	0.0128	0.0252	0.0015	0.6555
35 mph	0.1796	0.0231	0.0935	0.0212	0.0215	0.0071	0.0094	0.0006	0.3560
40 mph	0.0735	0.0095	0.0383	0.0087	0.0089	0.0029	0.0079	0.0005	0.1501
45 mph	0.0474	0.0061	0.0247	0.0056	0.0058	0.0019	0.0098	0.0006	0.1020
50 mph	0.0469	0.0061	0.0245	0.0056	0.0058	0.0019	0.0118	0.0007	0.1034
55 mph	0.0831	0.0111	0.0437	0.0100	0.0104	0.0033	0.0011	0.0001	0.1627
60 mph	0.0555	0.0075	0.0294	0.0067	0.0069	0.0022	0.0045	0.0003	0.1131
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	1.3853	0.1800	0.7259	0.1642	0.1639	0.0543	0.1299	0.0079	2.8114

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0149	0.0019	0.0078	0.0022	0.0029	0.0010	0.0057	0.0003	0.0367
25 mph	0.0203	0.0026	0.0106	0.0030	0.0039	0.0013	0.0104	0.0006	0.0528
30 mph	0.0314	0.0040	0.0164	0.0046	0.0062	0.0021	0.0238	0.0014	0.0900
35 mph	0.0474	0.0061	0.0247	0.0070	0.0095	0.0031	0.0267	0.0016	0.1261
40 mph	0.0678	0.0087	0.0353	0.0100	0.0138	0.0045	0.0298	0.0018	0.1719
45 mph	0.1423	0.0184	0.0742	0.0211	0.0292	0.0094	0.0205	0.0013	0.3165
50 mph	0.1190	0.0156	0.0622	0.0177	0.0247	0.0079	0.0122	0.0008	0.2601
55 mph	0.0877	0.0117	0.0461	0.0131	0.0183	0.0058	0.0041	0.0003	0.1872
60 mph	0.0456	0.0062	0.0241	0.0069	0.0095	0.0030	0.2991	0.0187	0.4131
65 mph	0.0239	0.0033	0.0127	0.0036	0.0050	0.0016	-	-	0.0501
70 mph	0.5877	0.0876	0.3120	0.0921	0.1315	0.0383	-	-	1.2492
total	1.1879	0.1662	0.6263	0.1814	0.2544	0.0780	0.4325	0.0269	2.9537

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0010	0.0003	0.0005	0.0000	0.0018
15 mph	0.0343	0.0045	0.0182	0.0064	0.0045	0.0015	0.0036	0.0002	0.0733
25 mph	-	-	-	-	0.0112	0.0038	0.0129	0.0008	0.0286
35 mph	0.3787	0.0487	0.1972	0.0291	-	-	-	-	0.6539
total	0.4131	0.0533	0.2154	0.0355	0.0167	0.0056	0.0170	0.0010	0.7576

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0010	0.0003	0.0005	0.0000	0.0018
10 mph	0.0918	0.0123	0.0488	0.0110	0.0103	0.0035	0.0132	0.0008	0.1917
15 mph	0.0523	0.0069	0.0276	0.0085	0.0065	0.0022	0.0070	0.0004	0.1114
20 mph	0.1115	0.0145	0.0587	0.0136	0.0140	0.0047	0.0148	0.0009	0.2328
25 mph	0.3869	0.0500	0.2027	0.0463	0.0577	0.0194	0.0577	0.0034	0.8241
30 mph	0.3579	0.0460	0.1869	0.0432	0.0447	0.0149	0.0490	0.0030	0.7455
35 mph	0.6057	0.0779	0.3154	0.0573	0.0310	0.0102	0.0361	0.0022	1.1360
40 mph	0.1413	0.0182	0.0736	0.0187	0.0227	0.0074	0.0377	0.0023	0.3220
45 mph	0.1897	0.0246	0.0990	0.0267	0.0350	0.0113	0.0303	0.0019	0.4185
50 mph	0.1659	0.0218	0.0867	0.0233	0.0305	0.0098	0.0240	0.0015	0.3634
55 mph	0.1707	0.0227	0.0899	0.0231	0.0287	0.0091	0.0052	0.0003	0.3499
60 mph	0.1011	0.0137	0.0536	0.0136	0.0164	0.0052	0.3037	0.0190	0.5262
65 mph	0.0239	0.0033	0.0127	0.0036	0.0050	0.0016	-	-	0.0501
70 mph	0.5877	0.0876	0.3120	0.0921	0.1315	0.0383	-	-	1.2492
total	2.9862	0.3995	1.5675	0.3812	0.4350	0.1380	0.5794	0.0358	6.5226

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0100	0.0001	0.0038	0.0030	0.0921	0.0725	0.8509	2.4259	3.4584
15 mph	0.0018	0.0000	0.0007	0.0006	0.0133	0.0107	0.1913	0.5382	0.7565
20 mph	0.0090	0.0001	0.0035	0.0028	0.0682	0.0547	0.4901	1.3626	1.9910
25 mph	0.0315	0.0002	0.0122	0.0101	0.2519	0.2032	1.7822	4.8444	7.1357
30 mph	0.0262	0.0002	0.0101	0.0084	0.2199	0.1761	1.2515	3.3997	5.0921
35 mph	0.0138	0.0001	0.0053	0.0044	0.1286	0.1030	0.4470	1.2151	1.9174
40 mph	0.0055	0.0000	0.0021	0.0018	0.0537	0.0426	0.3583	0.9756	1.4397
45 mph	0.0036	0.0000	0.0014	0.0011	0.0349	0.0273	0.4365	1.1903	1.6951
50 mph	0.0036	0.0000	0.0014	0.0011	0.0366	0.0283	0.5264	1.4276	2.0251
55 mph	0.0066	0.0000	0.0025	0.0021	0.0670	0.0513	0.0492	0.1352	0.3139
60 mph	0.0046	0.0000	0.0017	0.0015	0.0434	0.0331	0.2104	0.5734	0.8681
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.1163	0.0008	0.0448	0.0370	1.0097	0.8028	6.5939	18.0879	26.6931

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0014	0.0000	0.0005	0.0005	0.0175	0.0141	0.3085	0.8576	1.2001
25 mph	0.0017	0.0000	0.0007	0.0007	0.0233	0.0188	0.5384	1.4635	2.0472
30 mph	0.0025	0.0000	0.0010	0.0010	0.0354	0.0283	1.1815	3.2095	4.4592
35 mph	0.0036	0.0000	0.0014	0.0015	0.0567	0.0454	1.2661	3.4413	4.8161
40 mph	0.0051	0.0000	0.0020	0.0021	0.0829	0.0657	1.3531	3.6841	5.1950
45 mph	0.0107	0.0001	0.0041	0.0043	0.1752	0.1370	0.9158	2.4971	3.7443
50 mph	0.0091	0.0001	0.0035	0.0036	0.1556	0.1203	0.5421	1.4703	2.3046
55 mph	0.0069	0.0000	0.0026	0.0028	0.1181	0.0905	0.1859	0.5106	0.9175
60 mph	0.0038	0.0000	0.0014	0.0015	0.0596	0.0454	13.9065	37.8894	51.9077
65 mph	0.0021	0.0000	0.0008	0.0009	0.0303	0.0228	-	-	0.0569
70 mph	0.0542	0.0003	0.0202	0.0220	0.7316	0.5507	-	-	1.3790
total	0.1012	0.0006	0.0382	0.0408	1.4863	1.1391	20.1979	55.0234	78.0275

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0003	0.0002	0.0009	0.0017	0.0031
15 mph	0.0035	0.0000	0.0014	0.0017	0.0297	0.0238	0.2061	0.5797	0.8458
25 mph	-	-	-	-	0.0661	0.0533	0.6697	1.8204	2.6095
35 mph	0.0292	0.0002	0.0112	0.0061	-	-	-	-	0.0467
total	0.0327	0.0002	0.0126	0.0078	0.0960	0.0773	0.8767	2.4018	3.5052

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0003	0.0002	0.0009	0.0017	0.0031
10 mph	0.0100	0.0001	0.0038	0.0030	0.0921	0.0725	0.8509	2.4259	3.4584
15 mph	0.0053	0.0000	0.0021	0.0023	0.0430	0.0345	0.3973	1.1179	1.6024
20 mph	0.0104	0.0001	0.0040	0.0034	0.0857	0.0688	0.7986	2.2201	3.1911
25 mph	0.0333	0.0002	0.0129	0.0108	0.3413	0.2753	2.9903	8.1283	11.7924
30 mph	0.0287	0.0002	0.0111	0.0094	0.2553	0.2045	2.4329	6.6092	9.5513
35 mph	0.0467	0.0003	0.0180	0.0120	0.1853	0.1484	1.7131	4.6564	6.7803
40 mph	0.0107	0.0001	0.0041	0.0038	0.1366	0.1083	1.7114	4.6597	6.6347
45 mph	0.0143	0.0001	0.0055	0.0054	0.2102	0.1643	1.3524	3.6873	5.4394
50 mph	0.0127	0.0001	0.0049	0.0048	0.1922	0.1487	1.0685	2.8979	4.3297
55 mph	0.0135	0.0001	0.0052	0.0049	0.1851	0.1418	0.2351	0.6458	1.2314
60 mph	0.0083	0.0001	0.0032	0.0030	0.1030	0.0784	14.1170	38.4628	52.7758
65 mph	0.0021	0.0000	0.0008	0.0009	0.0303	0.0228	-	-	0.0569
70 mph	0.0542	0.0003	0.0202	0.0220	0.7316	0.5507	-	-	1.3790
total	0.2502	0.0016	0.0957	0.0856	2.5920	2.0191	27.6684	75.5131	108.2258

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.2898	0.2898
15 mph								0.0695	0.0695
20 mph								0.1819	0.1819
25 mph								0.6980	0.6980
30 mph								0.5277	0.5277
35 mph								0.2013	0.2013
40 mph								0.1692	0.1692
45 mph								0.2100	0.2100
50 mph								0.2489	0.2489
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.5962	2.5962

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.1145	0.1145
25 mph								0.2109	0.2109
30 mph								0.4981	0.4981
35 mph								0.5702	0.5702
40 mph								0.6390	0.6390
45 mph								0.4406	0.4406
50 mph								0.2563	0.2563
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.3937	1.3937

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
15 mph								0.0748	0.0748
25 mph								0.2623	0.2623
35 mph								-	-
total	-	-	-	-	-	-	-	0.3374	0.3374

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
10 mph								0.2898	0.2898
15 mph								0.1443	0.1443
20 mph								0.2964	0.2964
25 mph								1.1711	1.1711
30 mph								1.0258	1.0258
35 mph								0.7716	0.7716
40 mph								0.8082	0.8082
45 mph								0.6507	0.6507
50 mph								0.5052	0.5052
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.6632	5.6632

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0013	0.0005	0.0014	0.0020	0.0052
10 mph	0.1018	0.0123	0.0526	0.0140	0.1025	0.0760	0.8641	2.7165	3.9399
15 mph	0.0576	0.0069	0.0297	0.0108	0.0495	0.0367	0.4043	1.2626	1.8581
20 mph	0.1219	0.0146	0.0627	0.0170	0.0997	0.0735	0.8134	2.5174	3.7202
25 mph	0.4201	0.0502	0.2156	0.0571	0.3991	0.2947	3.0480	9.3029	13.7876
30 mph	0.3866	0.0462	0.1980	0.0525	0.2999	0.2193	2.4820	7.6380	11.3226
35 mph	0.6523	0.0782	0.3334	0.0693	0.2163	0.1586	1.7493	5.4302	8.6878
40 mph	0.1520	0.0183	0.0777	0.0226	0.1592	0.1157	1.7492	5.4702	7.7649
45 mph	0.2040	0.0247	0.1045	0.0321	0.2451	0.1756	1.3827	4.3399	6.5086
50 mph	0.1785	0.0218	0.0916	0.0281	0.2227	0.1584	1.0925	3.4046	5.1983
55 mph	0.1842	0.0228	0.0950	0.0280	0.2138	0.1509	0.2404	0.6461	1.5813
60 mph	0.1094	0.0137	0.0567	0.0166	0.1195	0.0837	14.4206	38.4818	53.3020
65 mph	0.0260	0.0033	0.0135	0.0045	0.0353	0.0244	-	-	0.1070
70 mph	0.6419	0.0879	0.3321	0.1141	0.8631	0.5890	-	-	2.6281
STREX	0.7866	0.0660	0.3537	0.1101	0.0713	0.0218	0.0256	0.0001	1.4351
total	4.0231	0.4671	2.0169	0.5769	3.0983	2.1789	28.2734	81.2122	**121.8467**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0228	0.0252	0.0273	0.0297	0.0385	0.0385	0.0291	0.0089
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.7866	0.0660	0.3537	0.1101	0.0713	0.0218	0.0256	0.0001
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.7866	0.0660	0.3537	0.1101	0.0713	0.0218	0.0256	0.0001

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Project) - Mitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					2.1916	2.2071	3.3551	2.5449
10 mph	0.0074	0.0170	0.0122	0.0151	0.0169	0.0133	0.0290	0.3246
15 mph	0.0049	0.0115	0.0082	0.0101	0.0115	0.0089	0.0194	0.2152
20 mph	0.0035	0.0083	0.0058	0.0072	0.0084	0.0064	0.0138	0.1523
25 mph	0.0026	0.0062	0.0043	0.0053	0.0063	0.0047	0.0101	0.1131
30 mph	0.0020	0.0049	0.0034	0.0042	0.0050	0.0037	0.0077	0.0887
35 mph	0.0016	0.0040	0.0028	0.0034	0.0042	0.0031	0.0063	0.0735
40 mph	0.0014	0.0035	0.0024	0.0030	0.0038	0.0027	0.0055	0.0643
45 mph	0.0013	0.0032	0.0022	0.0027	0.0035	0.0025	0.0050	0.0592
50 mph	0.0012	0.0031	0.0021	0.0026	0.0034	0.0024	0.0048	0.0574
55 mph	0.0013	0.0031	0.0021	0.0027	0.0035	0.0024	0.0050	0.0587
60 mph	0.0013	0.0033	0.0022	0.0028	0.0038	0.0026	0.0053	0.0629
65 mph	0.0015	0.0036	0.0025	0.0031	0.0043	0.0030		
70 mph	0.0016	0.0043	0.0026	0.0034	0.0046	0.0029		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0235	0.1100
10 mph	0.0051	0.0222	0.0090	0.0052	0.0252	0.0253	0.0015	0.0039
15 mph	0.0026	0.0151	0.0044	0.0025	0.0130	0.0130	0.0008	0.0021
20 mph	0.0011	0.0108	0.0017	0.0010	0.0060	0.0059	0.0006	0.0013
25 mph	0.0007	0.0085	0.0011	0.0006	0.0039	0.0039	0.0004	0.0011
30 mph	0.0006	0.0071	0.0008	0.0005	0.0031	0.0030	0.0004	0.0009
35 mph	0.0004	0.0062	0.0006	0.0004	0.0026	0.0025	0.0003	0.0007
40 mph	0.0004	0.0056	0.0005	0.0003	0.0023	0.0022	0.0003	0.0006
45 mph	0.0003	0.0054	0.0005	0.0003	0.0021	0.0020	0.0002	0.0006
50 mph	0.0003	0.0054	0.0004	0.0003	0.0019	0.0018	0.0002	0.0006
55 mph	0.0003	0.0056	0.0004	0.0002	0.0019	0.0018	0.0003	0.0006
60 mph	0.0003	0.0061	0.0003	0.0002	0.0019	0.0018	0.0003	0.0007
65 mph	0.0003	0.0070	0.0003	0.0002	0.0022	0.0020		
70 mph	0.0003	0.0083	0.0004	0.0003	0.0035	0.0030		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.9532
10 mph								11.9451
15 mph								8.1202
20 mph								5.6812
25 mph								4.1725
30 mph								3.1045
35 mph								2.3139
40 mph								1.7296
45 mph								1.2992
50 mph								0.9841
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1192	0.0208	0.0741	0.0173	0.0132	0.0032	0.0165	0.0012	0.2654
15 mph	0.0177	0.0031	0.0111	0.0026	0.0020	0.0005	0.0031	0.0002	0.0403
20 mph	0.0748	0.0135	0.0471	0.0110	0.0087	0.0020	0.0067	0.0005	0.1643
25 mph	0.2297	0.0421	0.1454	0.0340	0.0274	0.0063	0.0205	0.0016	0.5069
30 mph	0.1712	0.0319	0.1088	0.0255	0.0209	0.0047	0.0126	0.0010	0.3765
35 mph	0.0817	0.0154	0.0520	0.0122	0.0102	0.0023	0.0041	0.0003	0.1782
40 mph	0.0304	0.0058	0.0194	0.0046	0.0039	0.0009	0.0031	0.0002	0.0682
45 mph	0.0186	0.0035	0.0118	0.0028	0.0024	0.0005	0.0037	0.0003	0.0436
50 mph	0.0179	0.0034	0.0114	0.0027	0.0024	0.0005	0.0043	0.0003	0.0429
55 mph	0.0318	0.0060	0.0201	0.0048	0.0043	0.0009	0.0004	0.0000	0.0683
60 mph	0.0216	0.0040	0.0136	0.0032	0.0030	0.0006	0.0017	0.0001	0.0478
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.8145	0.1494	0.5146	0.1205	0.0985	0.0223	0.0767	0.0059	1.8025

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0115	0.0021	0.0072	0.0021	0.0022	0.0005	0.0042	0.0003	0.0302
25 mph	0.0127	0.0023	0.0081	0.0024	0.0025	0.0006	0.0062	0.0005	0.0352
30 mph	0.0165	0.0031	0.0105	0.0031	0.0034	0.0008	0.0119	0.0009	0.0500
35 mph	0.0215	0.0041	0.0137	0.0040	0.0045	0.0010	0.0116	0.0009	0.0614
40 mph	0.0281	0.0053	0.0179	0.0053	0.0060	0.0013	0.0118	0.0009	0.0766
45 mph	0.0558	0.0105	0.0355	0.0104	0.0122	0.0026	0.0077	0.0006	0.1354
50 mph	0.0455	0.0086	0.0289	0.0085	0.0101	0.0021	0.0045	0.0004	0.1086
55 mph	0.0336	0.0063	0.0212	0.0063	0.0076	0.0016	0.0015	0.0001	0.0782
60 mph	0.0177	0.0033	0.0111	0.0033	0.0041	0.0009	0.1147	0.0091	0.1641
65 mph	0.0098	0.0018	0.0061	0.0018	0.0023	0.0005	-	-	0.0224
70 mph	0.2471	0.0505	0.1534	0.0472	0.0577	0.0110	-	-	0.5668
total	0.4999	0.0978	0.3136	0.0944	0.1127	0.0229	0.1740	0.0138	1.3290

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1690	0.0519	0.1231	0.0007	0.3448
15 mph	0.0339	0.0060	0.0212	0.0077	0.0044	0.0011	0.0034	0.0003	0.0780
25 mph	-	-	-	-	0.0072	0.0016	0.0077	0.0006	0.0171
35 mph	0.1722	0.0325	0.1097	0.0168	-	-	-	-	0.3312
total	0.2062	0.0385	0.1309	0.0245	0.1807	0.0546	0.1342	0.0016	0.7711

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1690	0.0519	0.1231	0.0007	0.3448
10 mph	0.1192	0.0208	0.0741	0.0173	0.0132	0.0032	0.0165	0.0012	0.2654
15 mph	0.0516	0.0091	0.0323	0.0103	0.0064	0.0015	0.0065	0.0005	0.1183
20 mph	0.0863	0.0156	0.0543	0.0131	0.0110	0.0025	0.0109	0.0008	0.1945
25 mph	0.2424	0.0445	0.1534	0.0363	0.0372	0.0085	0.0343	0.0026	0.5593
30 mph	0.1877	0.0349	0.1192	0.0285	0.0243	0.0055	0.0244	0.0019	0.4264
35 mph	0.2754	0.0519	0.1754	0.0330	0.0148	0.0033	0.0157	0.0012	0.5707
40 mph	0.0584	0.0111	0.0372	0.0098	0.0099	0.0022	0.0149	0.0012	0.1448
45 mph	0.0744	0.0140	0.0474	0.0132	0.0146	0.0031	0.0113	0.0009	0.1791
50 mph	0.0635	0.0120	0.0403	0.0112	0.0125	0.0027	0.0088	0.0007	0.1516
55 mph	0.0654	0.0123	0.0414	0.0110	0.0119	0.0025	0.0019	0.0002	0.1466
60 mph	0.0393	0.0073	0.0247	0.0065	0.0070	0.0015	0.1164	0.0093	0.2119
65 mph	0.0098	0.0018	0.0061	0.0018	0.0023	0.0005	-	-	0.0224
70 mph	0.2471	0.0505	0.1534	0.0472	0.0577	0.0110	-	-	0.5668
total	1.5206	0.2857	0.9591	0.2394	0.3919	0.0998	0.3849	0.0213	3.9026

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0008	0.0000	0.0004	0.0002	0.0155	0.0110	0.0044	0.0213	0.0536
15 mph	0.0001	0.0000	0.0000	0.0000	0.0018	0.0013	0.0007	0.0033	0.0072
20 mph	0.0002	0.0000	0.0001	0.0000	0.0049	0.0034	0.0014	0.0062	0.0163
25 mph	0.0007	0.0000	0.0003	0.0001	0.0135	0.0093	0.0046	0.0213	0.0498
30 mph	0.0005	0.0000	0.0002	0.0001	0.0102	0.0070	0.0030	0.0138	0.0348
35 mph	0.0002	0.0000	0.0001	0.0000	0.0050	0.0034	0.0010	0.0045	0.0144
40 mph	0.0001	0.0000	0.0000	0.0000	0.0019	0.0013	0.0007	0.0034	0.0075
45 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0008	0.0009	0.0041	0.0069
50 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0007	0.0011	0.0050	0.0079
55 mph	0.0001	0.0000	0.0000	0.0000	0.0018	0.0012	0.0001	0.0005	0.0037
60 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0008	0.0005	0.0023	0.0049
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0028	0.0001	0.0012	0.0005	0.0581	0.0401	0.0184	0.0857	0.2069

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0009	0.0009	0.0039	0.0070
25 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0009	0.0014	0.0064	0.0100
30 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0011	0.0028	0.0130	0.0187
35 mph	0.0001	0.0000	0.0000	0.0000	0.0022	0.0015	0.0028	0.0129	0.0195
40 mph	0.0001	0.0000	0.0000	0.0000	0.0029	0.0020	0.0028	0.0129	0.0207
45 mph	0.0001	0.0000	0.0001	0.0000	0.0057	0.0038	0.0018	0.0085	0.0201
50 mph	0.0001	0.0000	0.0000	0.0000	0.0045	0.0030	0.0011	0.0051	0.0140
55 mph	0.0001	0.0000	0.0000	0.0000	0.0032	0.0021	0.0004	0.0019	0.0077
60 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0011	0.0333	0.1539	0.1899
65 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0006	-	-	0.0016
70 mph	0.0005	0.0000	0.0002	0.0001	0.0352	0.0210	-	-	0.0570
total	0.0011	0.0001	0.0004	0.0002	0.0604	0.0380	0.0474	0.2185	0.3661

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0090	0.0063	0.0044	0.0390	0.0587
15 mph	0.0002	0.0000	0.0001	0.0000	0.0040	0.0028	0.0007	0.0036	0.0114
25 mph	-	-	-	-	0.0035	0.0024	0.0017	0.0080	0.0157
35 mph	0.0005	0.0000	0.0002	0.0001	-	-	-	-	0.0007
total	0.0007	0.0000	0.0003	0.0001	0.0165	0.0116	0.0069	0.0506	0.0866

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0090	0.0063	0.0044	0.0390	0.0587
10 mph	0.0008	0.0000	0.0004	0.0002	0.0155	0.0110	0.0044	0.0213	0.0536
15 mph	0.0003	0.0000	0.0001	0.0001	0.0058	0.0040	0.0014	0.0069	0.0187
20 mph	0.0003	0.0000	0.0001	0.0000	0.0062	0.0043	0.0023	0.0101	0.0233
25 mph	0.0007	0.0000	0.0003	0.0001	0.0183	0.0126	0.0078	0.0358	0.0755
30 mph	0.0005	0.0000	0.0002	0.0001	0.0119	0.0082	0.0058	0.0268	0.0535
35 mph	0.0008	0.0000	0.0003	0.0001	0.0072	0.0049	0.0038	0.0174	0.0346
40 mph	0.0002	0.0000	0.0001	0.0000	0.0048	0.0032	0.0035	0.0163	0.0282
45 mph	0.0002	0.0000	0.0001	0.0000	0.0068	0.0046	0.0027	0.0126	0.0270
50 mph	0.0002	0.0000	0.0001	0.0000	0.0056	0.0037	0.0022	0.0101	0.0219
55 mph	0.0001	0.0000	0.0001	0.0000	0.0050	0.0033	0.0005	0.0024	0.0114
60 mph	0.0001	0.0000	0.0000	0.0000	0.0028	0.0019	0.0338	0.1562	0.1948
65 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0006	-	-	0.0016
70 mph	0.0005	0.0000	0.0002	0.0001	0.0352	0.0210	-	-	0.0570
total	0.0046	0.0002	0.0019	0.0008	0.1350	0.0896	0.0727	0.3548	0.6597

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								3.6470	3.6470
15 mph								0.7083	0.7083
20 mph								1.4867	1.4867
25 mph								4.5496	4.5496
30 mph								2.7081	2.7081
35 mph								0.8074	0.8074
40 mph								0.5281	0.5281
45 mph								0.5100	0.5100
50 mph								0.4721	0.4721
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	15.4174	15.4174

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.9357	0.9357
25 mph								1.3744	1.3744
30 mph								2.5566	2.5566
35 mph								2.2867	2.2867
40 mph								1.9941	1.9941
45 mph								1.0699	1.0699
50 mph								0.4862	0.4862
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	7.1535	7.1535

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0385	0.0385
15 mph								0.7630	0.7630
25 mph								1.7097	1.7097
35 mph								-	-
total	-	-	-	-	-	-	-	2.5112	2.5112

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0385	0.0385
10 mph								3.6470	3.6470
15 mph								1.4714	1.4714
20 mph								2.4224	2.4224
25 mph								7.6337	7.6337
30 mph								5.2648	5.2648
35 mph								3.0941	3.0941
40 mph								2.5222	2.5222
45 mph								1.5799	1.5799
50 mph								0.9584	0.9584
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	28.6323	28.6323

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1780	0.0582	0.1275	0.0783	0.4420
10 mph	0.1200	0.0208	0.0745	0.0174	0.0288	0.0141	0.0208	3.6695	3.9659
15 mph	0.0519	0.0091	0.0324	0.0104	0.0122	0.0056	0.0080	1.4788	1.6084
20 mph	0.0865	0.0156	0.0544	0.0131	0.0171	0.0068	0.0132	2.4333	2.6403
25 mph	0.2431	0.0445	0.1537	0.0364	0.0554	0.0211	0.0421	7.6721	8.2685
30 mph	0.1882	0.0349	0.1194	0.0286	0.0361	0.0136	0.0303	5.2934	5.7447
35 mph	0.2762	0.0519	0.1757	0.0331	0.0220	0.0082	0.0195	3.1127	3.6994
40 mph	0.0586	0.0111	0.0373	0.0098	0.0147	0.0054	0.0185	2.5397	2.6952
45 mph	0.0746	0.0141	0.0474	0.0133	0.0215	0.0077	0.0141	1.5934	1.7860
50 mph	0.0636	0.0120	0.0403	0.0112	0.0181	0.0064	0.0110	0.9691	1.1318
55 mph	0.0655	0.0123	0.0414	0.0111	0.0169	0.0058	0.0024	0.0025	0.1580
60 mph	0.0394	0.0073	0.0247	0.0065	0.0098	0.0033	0.1502	0.1654	0.4067
65 mph	0.0098	0.0018	0.0061	0.0018	0.0033	0.0011	-	-	0.0240
70 mph	0.2476	0.0505	0.1535	0.0473	0.0929	0.0320	-	-	0.6238
STREX	1.3968	0.1444	0.7099	0.2397	0.0378	0.0117	0.0310	0.0000	2.5713
total	2.9221	0.4302	1.6709	0.4799	0.5647	0.2011	0.4886	29.0084	**35.7659**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0404	0.0552	0.0549	0.0647	0.0204	0.0207	0.0352	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.3968	0.1444	0.7099	0.2397	0.0378	0.0117	0.0310	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	1.3968	0.1444	0.7099	0.2397	0.0378	0.0117	0.0310	0.0000

World Logistics Center
Mobile Emissions - 2025 Phase 1 Buildout (Project) - Mitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,468.89	5,214.53	13,277.60	22,346.84
10 mph	469.05	547.53	572.67	707.71	1,471.68	1,693.02	3,051.34	3,637.55
15 mph	383.33	447.32	467.73	577.37	1,201.85	1,381.63	2,495.55	2,985.27
20 mph	318.85	372.10	389.04	480.33	999.24	1,148.88	2,071.52	2,487.31
25 mph	272.62	318.29	332.83	411.33	854.21	982.10	1,773.08	2,128.18
30 mph	241.94	282.58	295.57	365.80	758.33	871.92	1,575.79	1,887.53
35 mph	224.37	262.17	274.28	340.14	703.42	808.91	1,461.97	1,747.33
40 mph	217.44	254.06	265.78	329.72	681.02	783.20	1,414.70	1,689.61
45 mph	218.55	255.22	266.97	331.04	683.52	786.09	1,420.88	1,691.02
50 mph	225.13	262.85	274.86	341.21	703.72	808.90	1,461.44	1,738.06
55 mph	233.91	273.09	285.65	354.82	732.65	842.13	1,519.05	1,807.02
60 mph	241.00	281.65	294.84	366.71	762.23	876.08	1,579.67	1,878.12
65 mph	246.81	289.02	302.71	377.32	785.43	902.29		
70 mph	249.71	293.57	305.32	387.47	798.31	913.22		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,633.82	5,849.92	5,979.77	5,673.79
10 mph	390.10	860.54	526.75	656.04	948.79	1,061.28	1,859.83	2,810.50
15 mph	320.94	716.13	436.94	555.47	616.76	703.44	1,463.34	2,182.14
20 mph	263.26	588.14	358.92	461.40	526.42	600.76	1,249.79	1,841.67
25 mph	220.78	491.32	300.99	390.96	466.93	535.44	1,090.73	1,571.47
30 mph	191.32	422.79	260.27	338.49	424.61	483.53	957.40	1,378.53
35 mph	173.06	379.02	234.84	308.10	425.68	484.69	854.99	1,231.75
40 mph	161.97	353.12	219.16	288.41	414.65	467.66	783.20	1,130.27
45 mph	156.46	340.90	211.32	277.45	404.63	449.72	742.14	1,072.52
50 mph	157.00	341.02	211.54	279.19	424.59	466.78	732.15	1,052.51
55 mph	164.24	356.51	221.11	294.61	443.26	482.68	753.28	1,096.47
60 mph	178.10	386.27	239.56	319.01	447.35	484.02	804.94	1,162.43
65 mph	200.37	430.54	269.01	359.35	454.73	487.02		
70 mph	218.69	448.99	286.73	393.87	467.29	500.03		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,755.56
10 mph								4,655.76
15 mph								3,906.99
20 mph								3,409.59
25 mph								3,139.99
30 mph								2,967.24
35 mph								2,830.54
40 mph								2,718.59
45 mph								2,624.68
50 mph								2,544.51
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	7,589.50	670.28	3,469.36	811.58	1,150.45	403.45	1,733.40	13.99	15,842.02
15 mph	1,378.36	121.69	629.68	147.14	208.78	73.17	405.05	3.28	2,967.14
20 mph	6,878.93	607.36	3,142.53	734.43	1,041.51	365.04	1,008.68	8.20	13,786.69
25 mph	24,506.97	2,164.67	11,201.86	2,620.58	3,709.77	1,300.22	3,597.33	29.23	49,130.64
30 mph	20,879.01	1,844.96	9,549.89	2,237.30	3,161.65	1,108.18	2,557.65	20.74	41,359.37
35 mph	11,294.80	998.48	5,169.45	1,213.52	1,710.74	599.72	949.16	7.68	21,943.56
40 mph	4,691.02	414.68	2,146.89	504.15	709.83	248.85	803.66	6.50	9,525.58
45 mph	3,143.37	277.72	1,437.67	337.44	474.96	166.51	1,037.79	8.36	6,883.83
50 mph	3,237.95	286.03	1,480.11	347.82	488.99	171.35	1,304.63	10.50	7,327.37
55 mph	5,887.42	520.03	2,691.89	632.95	890.92	312.17	123.28	0.99	11,059.66
60 mph	3,899.59	344.79	1,786.21	420.53	595.86	208.77	512.79	4.13	7,772.66
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	93,386.93	8,250.71	42,705.55	10,007.43	14,143.46	4,957.44	14,033.42	113.59	187,598.53

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	1,058.56	93.46	483.59	141.16	267.96	93.92	634.83	5.16	2,778.65
25 mph	1,357.65	119.92	620.57	181.32	343.61	120.43	1,086.75	8.83	3,839.08
30 mph	2,008.10	177.44	918.49	268.76	508.40	178.20	2,414.57	19.58	6,493.54
35 mph	2,979.60	263.40	1,363.72	399.84	754.54	264.51	2,688.19	21.75	8,735.55
40 mph	4,331.26	382.88	1,982.24	581.38	1,095.77	384.16	3,034.82	24.53	11,817.05
45 mph	9,432.49	833.38	4,314.09	1,264.69	2,382.89	835.42	2,177.20	17.54	21,257.69
50 mph	8,221.49	726.26	3,758.15	1,103.03	2,075.87	727.40	1,343.61	10.82	17,966.62
55 mph	6,212.47	548.74	2,840.51	834.19	1,571.81	550.75	465.52	3.75	13,027.74
60 mph	3,200.47	282.98	1,465.98	431.07	817.63	286.48	33,887.08	272.72	40,644.40
65 mph	1,638.77	145.19	752.53	221.77	421.26	147.52	-	-	3,327.04
70 mph	38,963.82	3,465.66	17,837.18	5,351.86	10,061.86	3,508.79	-	-	79,189.18
total	79,404.69	7,039.32	36,337.05	10,779.07	20,301.60	7,097.58	47,732.58	384.67	209,076.56

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	344.71	122.62	487.12	6.55	961.00
15 mph	2,640.51	233.12	1,206.29	439.89	465.30	163.06	436.34	3.53	5,588.04
25 mph	-	-	-	-	973.21	341.10	1,351.80	10.98	2,677.09
35 mph	23,821.44	2,105.86	10,902.70	1,667.48	-	-	-	-	38,497.48
total	26,461.96	2,338.98	12,108.99	2,107.37	1,783.23	626.77	2,275.26	21.06	47,723.62

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	344.71	122.62	487.12	6.55	961.00
10 mph	7,589.50	670.28	3,469.36	811.58	1,150.45	403.45	1,733.40	13.99	15,842.02
15 mph	4,018.87	354.81	1,835.97	587.03	674.08	236.23	841.39	6.81	8,555.19
20 mph	7,937.50	700.83	3,626.12	875.59	1,309.47	458.96	1,643.51	13.36	16,565.35
25 mph	25,864.63	2,284.59	11,822.43	2,801.90	5,026.60	1,761.75	6,035.88	49.04	55,646.81
30 mph	22,887.11	2,022.41	10,468.38	2,506.06	3,670.05	1,286.38	4,972.22	40.31	47,852.91
35 mph	38,095.85	3,367.74	17,435.87	3,280.84	2,465.29	864.23	3,637.36	29.43	69,176.60
40 mph	9,022.29	797.56	4,129.13	1,085.53	1,805.60	633.01	3,838.48	31.03	21,342.63
45 mph	12,575.86	1,111.11	5,751.75	1,602.14	2,857.85	1,001.93	3,214.99	25.90	28,141.52
50 mph	11,459.44	1,012.29	5,238.26	1,450.85	2,564.86	898.75	2,648.24	21.32	25,294.00
55 mph	12,099.89	1,068.78	5,532.41	1,467.14	2,462.73	862.92	588.80	4.74	24,087.40
60 mph	7,100.06	627.77	3,252.19	851.60	1,413.49	495.25	34,399.87	276.84	48,417.06
65 mph	1,638.77	145.19	752.53	221.77	421.26	147.52	-	-	3,327.04
70 mph	38,963.82	3,465.66	17,837.18	5,351.86	10,061.86	3,508.79	-	-	79,189.18
total	199,253.58	17,629.00	91,151.59	22,893.87	36,228.29	12,681.79	64,041.25	519.32	444,398.70

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	63.77	0.42	24.45	19.33	586.14	461.17	5,413.21	15,433.43	22,001.93
15 mph	11.66	0.08	4.51	3.64	84.67	67.93	1,216.91	3,423.68	4,813.07
20 mph	57.38	0.38	22.22	18.13	433.61	348.08	3,117.96	8,668.52	12,666.29
25 mph	200.51	1.32	77.63	64.00	1,602.53	1,292.63	11,338.13	30,819.56	45,396.30
30 mph	166.80	1.09	64.44	53.19	1,399.00	1,120.63	7,961.73	21,628.53	32,395.41
35 mph	88.02	0.57	33.92	28.24	818.14	655.26	2,844.04	7,730.22	12,198.41
40 mph	35.31	0.23	13.57	11.33	341.55	270.96	2,279.57	6,206.73	9,159.24
45 mph	22.74	0.15	8.72	7.27	222.20	173.71	2,777.23	7,572.32	10,784.33
50 mph	22.81	0.15	8.73	7.31	233.16	180.30	3,348.69	9,082.39	12,883.54
55 mph	41.77	0.27	15.97	13.50	425.96	326.27	313.21	860.16	1,997.11
60 mph	29.11	0.19	11.12	9.40	276.36	210.33	1,338.77	3,647.60	5,522.88
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	739.88	4.82	285.27	235.35	6,423.32	5,107.27	41,949.46	115,073.15	169,818.51

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	8.83	0.06	3.42	3.48	111.56	89.56	1,962.36	5,455.73	7,635.00
25 mph	11.11	0.07	4.30	4.43	148.43	119.73	3,425.24	9,310.55	13,023.85
30 mph	16.04	0.10	6.20	6.39	224.96	180.20	7,516.34	20,418.60	28,368.84
35 mph	23.22	0.15	8.95	9.31	360.85	289.01	8,054.81	21,893.35	30,639.65
40 mph	32.60	0.21	12.53	13.07	527.25	418.28	8,608.20	23,438.06	33,050.20
45 mph	68.23	0.44	26.17	27.24	1,114.78	871.52	5,826.37	15,886.04	23,820.77
50 mph	57.93	0.37	22.17	23.19	989.80	765.41	3,448.76	9,353.79	14,661.41
55 mph	44.07	0.28	16.85	17.80	751.50	575.62	1,182.77	3,248.16	5,837.06
60 mph	23.89	0.15	9.13	9.64	379.21	288.61	88,471.69	241,048.38	330,230.71
65 mph	13.44	0.09	5.12	5.43	192.73	145.20	-	-	362.01
70 mph	344.76	2.09	128.37	139.79	4,654.38	3,503.38	-	-	8,772.76
total	644.12	4.02	243.19	259.75	9,455.47	7,246.52	128,496.54	350,052.67	496,402.27

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	221.51	250.84	1,124.02	2,012.15	3,608.52
15 mph	22.34	0.15	8.64	10.87	188.70	151.39	1,310.90	3,688.13	5,381.11
25 mph	-	-	-	-	420.40	339.10	4,260.62	11,581.32	16,601.45
35 mph	185.63	1.20	71.54	38.81	-	-	-	-	297.18
total	207.97	1.35	80.17	49.68	830.61	741.33	6,695.54	17,281.60	25,888.26

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	221.51	250.84	1,124.02	2,012.15	3,608.52
10 mph	63.77	0.42	24.45	19.33	586.14	461.17	5,413.21	15,433.43	22,001.93
15 mph	33.99	0.22	13.14	14.51	273.37	219.31	2,527.81	7,111.82	10,194.18
20 mph	66.21	0.44	25.64	21.61	545.17	437.64	5,080.33	14,124.25	20,301.29
25 mph	211.62	1.39	81.93	68.43	2,171.37	1,751.46	19,023.99	51,711.42	75,021.60
30 mph	182.85	1.19	70.64	59.59	1,623.96	1,300.83	15,478.08	42,047.13	60,764.26
35 mph	296.87	1.92	114.40	76.36	1,178.99	944.27	10,898.84	29,623.58	43,135.24
40 mph	67.90	0.44	26.09	24.40	868.80	689.24	10,887.78	29,644.79	42,209.43
45 mph	90.96	0.58	34.89	34.50	1,336.97	1,045.23	8,603.60	23,458.37	34,605.10
50 mph	80.74	0.52	30.89	30.50	1,222.96	945.71	6,797.45	18,436.18	27,544.95
55 mph	85.84	0.55	32.82	31.30	1,177.47	901.89	1,495.98	4,108.32	7,834.17
60 mph	53.01	0.34	20.25	19.04	655.57	498.94	89,810.47	244,695.98	335,753.59
65 mph	13.44	0.09	5.12	5.43	192.73	145.20	-	-	362.01
70 mph	344.76	2.09	128.37	139.79	4,654.38	3,503.38	-	-	8,772.76
total	1,591.96	10.18	608.63	544.78	16,709.40	13,095.12	177,141.55	482,407.42	692,109.04

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1,421.45	1,421.45
15 mph								340.81	340.81
20 mph								892.27	892.27
25 mph								3,423.83	3,423.83
30 mph								2,588.37	2,588.37
35 mph								987.65	987.65
40 mph								830.02	830.02
45 mph								1,030.30	1,030.30
50 mph								1,220.79	1,220.79
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	12,735.49	12,735.49

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								561.57	561.57
25 mph								1,034.33	1,034.33
30 mph								2,443.58	2,443.58
35 mph								2,797.20	2,797.20
40 mph								3,134.33	3,134.33
45 mph								2,161.47	2,161.47
50 mph								1,257.27	1,257.27
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	6,836.68	6,836.68

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								113.48	113.48
15 mph								367.14	367.14
25 mph								1,286.60	1,286.60
35 mph								-	-
total	-	-	-	-	-	-	-	1,767.22	1,767.22

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								113.48	113.48
10 mph								1,421.45	1,421.45
15 mph								707.95	707.95
20 mph								1,453.84	1,453.84
25 mph								5,744.76	5,744.76
30 mph								5,031.95	5,031.95
35 mph								3,784.85	3,784.85
40 mph								3,964.35	3,964.35
45 mph								3,191.77	3,191.77
50 mph								2,478.06	2,478.06
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	27,892.47	27,892.47

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	566.23	373.45	1,611.14	2,132.19	4,683.01
10 mph	7,653.27	670.69	3,493.81	830.91	1,736.59	864.63	7,146.61	16,868.87	39,265.39
15 mph	4,052.86	355.04	1,849.11	601.54	947.45	455.54	3,369.19	7,826.58	19,457.32
20 mph	8,003.71	701.26	3,651.76	897.20	1,854.65	896.60	6,723.84	15,591.45	38,320.47
25 mph	26,076.24	2,285.98	11,904.36	2,870.33	7,197.96	3,513.20	25,059.87	57,505.22	136,413.18
30 mph	23,069.96	2,023.60	10,539.02	2,565.64	5,294.01	2,587.20	20,450.29	47,119.39	113,649.12
35 mph	38,392.72	3,369.66	17,550.27	3,357.20	3,644.28	1,808.51	14,536.20	33,437.86	116,096.69
40 mph	9,090.19	798.00	4,155.22	1,109.93	2,674.40	1,322.25	14,726.25	33,640.16	67,516.41
45 mph	12,666.82	1,111.69	5,786.64	1,636.64	4,194.82	2,047.16	11,818.59	26,676.03	65,938.39
50 mph	11,540.18	1,012.80	5,269.16	1,481.35	3,787.81	1,844.46	9,445.69	20,935.56	55,317.01
55 mph	12,185.72	1,069.33	5,565.22	1,498.44	3,640.20	1,764.81	2,084.78	4,113.06	31,921.57
60 mph	7,153.07	628.11	3,272.44	870.63	2,069.06	994.19	124,210.34	244,972.82	384,170.65
65 mph	1,652.21	145.27	757.66	227.20	613.99	292.72	-	-	3,689.06
70 mph	39,308.58	3,467.75	17,965.55	5,491.65	14,716.24	7,012.17	-	-	87,961.94
STREX	1,738.08	154.31	813.44	288.86	33.98	11.79	32.18	0.27	3,072.92
total	202,583.62	17,793.49	92,573.67	23,727.51	52,971.68	25,788.70	241,214.99	510,819.47	**1,167,473.13**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	50.28	59.01	62.85	78.00	18.35	20.89	36.56	45.28
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1,738.08	154.31	813.44	288.86	33.98	11.79	32.18	0.27
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	1,738.08	154.31	813.44	288.86	33.98	11.79	32.18	0.27

World Logistics Center
Mobile Emissions - 2035 Buildout (Project) - Mitigated

Pounds per day

ROG	NOX	CO	SO2	PM10 Exhaust	Dust	Brake	PM10 Total	PM2.5 Exhaust	Dust	Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
105.84	1,965.15	1,710.78	15.81	19.04	603.28	249.14	871.46	18.14	148.08	97.79	264.01	13.66	175.69	66.37	1,695,351.79

Tons per year

ROG	NOX	CO	SO2	PM10 Exhaust	Dust	Brake	PM10 Total	PM2.5 Exhaust	Dust	Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
19.32	358.64	312.22	2.88	3.48	110.10	45.47	159.04	3.31	27.02	17.85	48.18	2.49	32.06	12.11	309,401.70

World Logistics Center
Mobile Emissions - 2035 Buildout (Project) - Mitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	26,341.15	311.86	1,481.41	560,302.77	6,633.63	31,511.00
LDT1	2,013.08	0.30	62.40	42,820.18	6.33	1,327.34
LDT2	9,910.89	96.46	380.86	210,814.74	2,051.90	8,101.20
MDT	2,848.17	95.83	119.99	42,166.44	1,418.77	1,776.48
LHDT1	1,291.94	1,360.71	-	28,167.41	29,666.78	-
LHDT2	375.33	900.01	-	8,183.14	19,622.36	-
MHDT	601.76	3,600.75	-	25,863.68	154,759.83	-
HHDT	5.58	6,538.26	463.64	239.83	281,013.29	19,927.38

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	316,358.57	3,745.49	17,791.76	243,944.20	2,888.15	13,719.24
LDT1	24,177.16	3.57	749.44	18,643.02	2.75	577.90
LDT2	119,030.38	1,158.55	4,574.11	91,784.37	893.36	3,527.10
MDT	22,386.69	753.24	943.15	19,779.75	665.53	833.32
LHDT1	13,121.54	13,820.01	-	15,045.87	15,846.77	-
LHDT2	3,812.04	9,140.90	-	4,371.09	10,481.45	-
MHDT	6,272.17	37,530.60	-	19,591.51	117,229.23	-
HHDT	58.16	68,148.16	4,832.56	181.67	212,865.13	15,094.82

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	15,817.93	1,208.86	5,951.52	1,119.33	656.08	190.60	376.33	3.49	25,324.14
15 mph	6,327.17	483.54	2,380.61	447.73	262.43	76.24	125.44	1.16	10,104.33
20 mph	12,654.34	967.09	4,761.22	895.47	524.86	152.48	250.89	2.33	20,208.67
25 mph	63,271.71	4,835.43	23,806.08	4,477.34	2,624.31	762.41	1,379.88	12.80	101,169.95
30 mph	69,598.88	5,318.98	26,186.68	4,925.07	2,886.74	838.65	1,254.43	11.63	111,021.07
35 mph	56,944.54	4,351.89	21,425.47	4,029.60	2,361.88	686.17	564.49	5.23	90,369.28
40 mph	18,981.51	1,450.63	7,141.82	1,343.20	787.29	228.72	627.22	5.82	30,566.22
45 mph	15,817.93	1,208.86	5,951.52	1,119.33	656.08	190.60	501.77	4.65	25,450.75
50 mph	15,817.93	1,208.86	5,951.52	1,119.33	656.08	190.60	815.38	7.56	25,767.26
55 mph	12,654.34	967.09	4,761.22	895.47	524.86	152.48	188.16	1.74	20,145.36
60 mph	25,308.69	1,934.17	9,522.43	1,790.93	1,049.72	304.96	188.16	1.74	40,100.82
65 mph	3,163.59	241.77	1,190.30	223.87	131.22	38.12	-	-	4,988.86
70 mph	-	-	-	-	-	-	-	-	-
total	316,358.57	24,177.16	119,030.38	22,386.69	13,121.54	3,812.04	6,272.17	58.16	505,216.70

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	2,439.44	186.43	917.84	197.80	150.46	43.71	-	-	3,935.68
15 mph	2,439.44	186.43	917.84	197.80	150.46	43.71	-	-	3,935.68
20 mph	2,439.44	186.43	917.84	197.80	150.46	43.71	391.83	3.63	4,331.15
25 mph	4,878.88	372.86	1,835.69	395.60	300.92	87.42	685.70	6.36	8,563.43
30 mph	9,757.77	745.72	3,671.37	791.19	601.83	174.84	1,175.49	10.90	16,929.12
35 mph	21,954.98	1,677.87	8,260.59	1,780.18	1,354.13	393.40	1,175.49	10.90	36,607.54
40 mph	24,394.42	1,864.30	9,178.44	1,977.98	1,504.59	437.11	1,077.53	9.99	40,444.36
45 mph	19,515.54	1,491.44	7,342.75	1,582.38	1,203.67	349.69	783.66	7.27	32,276.39
50 mph	21,954.98	1,677.87	8,260.59	1,780.18	1,354.13	393.40	391.83	3.63	35,816.61
55 mph	12,197.21	932.15	4,589.22	988.99	752.29	218.55	195.92	1.82	19,876.15
60 mph	7,318.33	559.29	2,753.53	593.39	451.38	131.13	13,714.06	127.17	25,648.28
65 mph	2,439.44	186.43	917.84	197.80	150.46	43.71	-	-	3,935.68
70 mph	112,214.33	8,575.79	42,220.81	9,098.69	6,921.10	2,010.70	-	-	181,041.42
total	243,944.20	18,643.02	91,784.37	19,779.75	15,045.87	4,371.09	19,591.51	181.67	413,341.48

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	53.83	15.64	25.07	0.31	94.85
15 mph	5,353.94	409.17	2,014.43	589.88	270.26	78.52	122.23	1.13	8,839.56
25 mph	-	-	-	-	873.66	253.81	554.17	5.14	1,686.78
35 mph	108,571.27	8,297.37	40,850.10	3,929.95	-	-	-	-	161,648.69
total	113,925.21	8,706.54	42,864.53	4,519.83	1,143.92	332.33	676.40	6.27	172,175.03

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	53.83	15.64	25.07	0.31	94.85
10 mph	18,257.37	1,395.29	6,869.36	1,317.13	806.54	234.31	376.33	3.49	29,259.82
15 mph	14,120.56	1,079.14	5,312.88	1,235.41	683.15	198.47	247.67	2.30	22,879.57
20 mph	15,093.78	1,153.52	5,679.06	1,093.27	675.32	196.19	642.72	5.96	24,539.81
25 mph	68,150.60	5,208.29	25,641.76	4,872.93	3,798.88	1,103.64	2,619.75	24.29	111,420.15
30 mph	79,356.65	6,064.70	29,858.06	5,716.26	3,488.57	1,013.49	2,429.92	22.53	127,950.19
35 mph	187,470.79	14,327.13	70,536.16	9,739.73	3,716.01	1,079.57	1,739.99	16.13	288,625.51
40 mph	43,375.93	3,314.93	16,320.26	3,321.18	2,291.88	665.83	1,704.75	15.81	71,010.57
45 mph	35,333.46	2,700.30	13,294.27	2,701.71	1,859.75	540.29	1,285.43	11.92	57,727.14
50 mph	37,772.91	2,886.73	14,212.11	2,899.51	2,010.21	584.00	1,207.21	11.19	61,583.87
55 mph	24,851.55	1,899.24	9,350.43	1,884.46	1,277.16	371.04	384.08	3.56	40,021.51
60 mph	32,627.01	2,493.46	12,275.96	2,384.33	1,501.10	436.10	13,902.22	128.92	65,749.10
65 mph	5,603.03	428.20	2,108.15	421.66	281.67	81.83	-	-	8,924.55
70 mph	112,214.33	8,575.79	42,220.81	9,098.69	6,921.10	2,010.70	-	-	181,041.42
total	674,227.98	51,526.72	253,679.27	46,686.27	29,311.33	8,515.47	26,540.07	246.11	##########

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	187.27	0.18	57.93	37.66	691.00	457.05	2,251.84	4,088.89	7,771.81
15 mph	74.91	0.07	23.17	15.06	276.40	182.82	750.61	1,362.96	2,686.01
20 mph	149.82	0.14	46.34	30.13	552.80	365.64	1,501.22	2,725.93	5,372.02
25 mph	749.10	0.71	231.71	150.65	2,764.00	1,828.18	8,256.73	14,992.59	28,973.68
30 mph	824.01	0.79	254.88	165.71	3,040.40	2,011.00	7,506.12	13,629.63	27,432.54
35 mph	674.19	0.64	208.54	135.58	2,487.60	1,645.36	3,377.75	6,133.33	14,663.01
40 mph	224.73	0.21	69.51	45.19	829.20	548.45	3,753.06	6,814.82	12,285.18
45 mph	187.27	0.18	57.93	37.66	691.00	457.05	3,002.45	5,451.85	9,885.39
50 mph	187.27	0.18	57.93	37.66	691.00	457.05	4,878.98	8,859.26	15,169.33
55 mph	149.82	0.14	46.34	30.13	552.80	365.64	1,125.92	2,044.44	4,315.23
60 mph	299.64	0.29	92.68	60.26	1,105.60	731.27	1,125.92	2,044.44	5,460.10
65 mph	37.45	0.04	11.59	7.53	138.20	91.41	-	-	286.22
70 mph	-	-	-	-	-	-	-	-	-
total	3,745.49	3.57	1,158.55	753.24	13,820.01	9,140.90	37,530.60	68,148.16	134,300.52

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	28.88	0.03	8.93	6.66	158.47	104.81	-	-	307.78
15 mph	28.88	0.03	8.93	6.66	158.47	104.81	-	-	307.78
20 mph	28.88	0.03	8.93	6.66	158.47	104.81	2,344.58	4,257.30	6,909.67
25 mph	57.76	0.06	17.87	13.31	316.94	209.63	4,103.02	7,450.28	12,168.86
30 mph	115.53	0.11	35.73	26.62	633.87	419.26	7,033.75	12,771.91	21,036.78
35 mph	259.93	0.25	80.40	59.90	1,426.21	943.33	7,033.75	12,771.91	22,575.68
40 mph	288.81	0.28	89.34	66.55	1,584.68	1,048.15	6,447.61	11,707.58	21,232.99
45 mph	231.05	0.22	71.47	53.24	1,267.74	838.52	4,689.17	8,514.61	15,666.02
50 mph	259.93	0.25	80.40	59.90	1,426.21	943.33	2,344.58	4,257.30	9,371.91
55 mph	144.41	0.14	44.67	33.28	792.34	524.07	1,172.29	2,128.65	4,839.84
60 mph	86.64	0.08	26.80	19.97	475.40	314.44	82,060.46	149,005.59	231,989.39
65 mph	28.88	0.03	8.93	6.66	158.47	104.81	-	-	307.78
70 mph	1,328.55	1.27	410.94	306.14	7,289.51	4,821.47	-	-	14,157.88
total	2,888.15	2.75	893.36	665.53	15,846.77	10,481.45	117,229.23	212,865.13	360,872.37

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	56.69	37.50	150.03	272.43	516.66
15 mph	63.39	0.06	19.61	19.85	284.65	188.27	731.38	1,328.03	2,635.23
25 mph	-	-	-	-	920.16	608.62	3,315.96	6,021.13	10,865.87
35 mph	1,285.42	1.23	397.60	132.23	-	-	-	-	1,816.47
total	1,348.80	1.29	417.21	152.08	1,204.81	796.89	4,047.34	7,349.16	15,317.58

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	56.69	37.50	150.03	272.43	516.66
10 mph	216.16	0.21	66.86	44.32	849.47	561.86	2,251.84	4,088.89	8,079.59
15 mph	167.18	0.16	51.71	41.57	719.52	475.91	1,481.99	2,691.00	5,629.02
20 mph	178.70	0.17	55.28	36.79	711.27	470.45	3,845.81	6,983.23	12,281.69
25 mph	806.86	0.77	249.58	163.96	4,001.10	2,646.43	15,675.72	28,464.00	52,008.41
30 mph	939.53	0.90	290.61	192.33	3,674.27	2,430.26	14,539.87	26,401.54	48,469.32
35 mph	2,219.54	2.12	686.54	327.71	3,913.81	2,588.69	10,411.51	18,905.24	39,055.16
40 mph	513.54	0.49	158.85	111.75	2,413.88	1,596.60	10,200.67	18,522.40	33,518.17
45 mph	418.33	0.40	129.40	90.90	1,958.74	1,295.56	7,691.62	13,966.46	25,551.40
50 mph	447.21	0.43	138.33	97.56	2,117.21	1,400.38	7,223.56	13,116.56	24,541.23
55 mph	294.23	0.28	91.01	63.41	1,345.14	889.71	2,298.21	4,173.10	9,155.08
60 mph	386.28	0.37	119.48	80.23	1,581.00	1,045.72	83,186.38	151,050.04	237,449.50
65 mph	66.34	0.06	20.52	14.19	296.67	196.22	-	-	594.00
70 mph	1,328.55	1.27	410.94	306.14	7,289.51	4,821.47	-	-	14,157.88
total	7,982.43	7.61	2,469.11	1,570.85	30,871.59	20,419.25	158,807.17	288,362.45	510,490.47

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	889.59	37.47	228.71	47.16	-	-	-	289.95	1,492.88
15 mph	355.84	14.99	91.48	18.86	-	-	-	96.65	577.82
20 mph	711.67	29.98	182.96	37.73	-	-	-	193.30	1,155.64
25 mph	3,558.35	149.89	914.82	188.63	-	-	-	1,063.16	5,874.86
30 mph	3,914.19	164.88	1,006.30	207.49	-	-	-	966.51	6,259.38
35 mph	3,202.52	134.90	823.34	169.77	-	-	-	434.93	4,765.46
40 mph	1,067.51	44.97	274.45	56.59	-	-	-	483.26	1,926.76
45 mph	889.59	37.47	228.71	47.16	-	-	-	386.61	1,589.53
50 mph	889.59	37.47	228.71	47.16	-	-	-	628.23	1,831.16
55 mph	711.67	29.98	182.96	37.73	-	-	-	144.98	1,107.32
60 mph	1,423.34	59.96	365.93	75.45	-	-	-	144.98	2,069.65
65 mph	177.92	7.49	45.74	9.43	-	-	-	-	240.58
70 mph	-	-	-	-	-	-	-	-	-
total	17,791.76	749.44	4,574.11	943.15	-	-	-	4,832.56	28,891.03

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	137.19	5.78	35.27	8.33	-	-	-	-	186.58
15 mph	137.19	5.78	35.27	8.33	-	-	-	-	186.58
20 mph	137.19	5.78	35.27	8.33	-	-	-	301.90	488.47
25 mph	274.38	11.56	70.54	16.67	-	-	-	528.32	901.47
30 mph	548.77	23.12	141.08	33.33	-	-	-	905.69	1,651.99
35 mph	1,234.73	52.01	317.44	75.00	-	-	-	905.69	2,584.87
40 mph	1,371.92	57.79	352.71	83.33	-	-	-	830.22	2,695.97
45 mph	1,097.54	46.23	282.17	66.67	-	-	-	603.79	2,096.40
50 mph	1,234.73	52.01	317.44	75.00	-	-	-	301.90	1,981.08
55 mph	685.96	28.89	176.35	41.67	-	-	-	150.95	1,083.83
60 mph	411.58	17.34	105.81	25.00	-	-	-	10,566.37	11,126.10
65 mph	137.19	5.78	35.27	8.33	-	-	-	-	186.58
70 mph	6,310.85	265.83	1,622.46	383.33	-	-	-	-	8,582.47
total	13,719.24	577.90	3,527.10	833.32	-	-	-	15,094.82	33,752.37

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	19.32	19.32
15 mph	301.10	12.68	77.41	24.85	-	-	-	94.17	510.22
25 mph	-	-	-	-	-	-	-	426.97	426.97
35 mph	6,105.97	257.20	1,569.79	165.57	-	-	-	-	8,098.53
total	6,407.07	269.89	1,647.20	190.42	-	-	-	521.15	9,035.72

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	19.32	19.32
10 mph	1,026.78	43.25	263.98	55.49	-	-	-	289.95	1,679.45
15 mph	794.13	33.45	204.16	52.05	-	-	-	190.83	1,274.62
20 mph	848.86	35.76	218.24	46.06	-	-	-	495.20	1,644.11
25 mph	3,832.74	161.45	985.36	205.30	-	-	-	2,018.46	7,203.30
30 mph	4,462.96	187.99	1,147.39	240.83	-	-	-	1,872.20	7,911.37
35 mph	10,543.21	444.11	2,710.57	410.34	-	-	-	1,340.62	15,448.85
40 mph	2,439.43	102.76	627.16	139.92	-	-	-	1,313.47	4,622.73
45 mph	1,987.13	83.70	510.87	113.82	-	-	-	990.40	3,685.93
50 mph	2,124.32	89.48	546.14	122.16	-	-	-	930.13	3,812.23
55 mph	1,397.63	58.87	359.32	79.39	-	-	-	295.93	2,191.14
60 mph	1,834.92	77.29	471.74	100.45	-	-	-	10,711.35	13,195.76
65 mph	315.11	13.27	81.01	17.76	-	-	-	-	427.16
70 mph	6,310.85	265.83	1,622.46	383.33	-	-	-	-	8,582.47
total	21,508.68	906.01	5,529.69	1,010.06	-	-	-	6,207.26	71,679.13

World Logistics Center
Mobile Emissions - 2035 Buildout (Project) - Mitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	26957	330	0.21	5661.1	5300.2	62.8	298.1
	LDT1	15	1989	330	0.21	417.7	405.1	0.1	12.6
	LDT2	15	9954	330	0.21	2090.3	1994.2	19.4	76.6
	MDT	15	2999	330	0.21	629.8	585.4	19.7	24.7
	LHDT1	15	2635	330	0.21	553.3	269.5	283.8	0.0
	LHDT2	15	1267	330	0.21	266.0	78.3	187.7	0.0
	MHDT	15	4034	330	0.21	847.1	121.3	725.8	0.0
	HHDT	15	6726	330	0.21	1412.5	1.1	1317.9	93.5
Travel at Light Logistics	LDA	15	194	175	0.11	21.3	19.9	0.2	1.1
	LDT1	15	14	175	0.11	1.6	1.5	0.0	0.0
	LDT2	15	72	175	0.11	7.9	7.5	0.1	0.3
	MDT	15	18	175	0.11	2.0	1.9	0.1	0.1
	LHDT1	15	11	175	0.11	1.2	0.6	0.6	0.0
	LHDT2	15	5	175	0.11	0.6	0.2	0.4	0.0
	MHDT	15	13	175	0.11	1.4	0.2	1.2	0.0
	HHDT	15	22	175	0.11	2.4	0.0	2.2	0.2
Travel at Utility	LDA	15	219	100	0.06	13.1	12.3	0.1	0.7
	LDT1	15	16	100	0.06	1.0	0.9	0.0	0.0
	LDT2	15	81	100	0.06	4.9	4.6	0.0	0.2
	MDT	15	47	100	0.06	2.8	2.6	0.1	0.1
	LHDT1	15	7	100	0.06	0.4	0.2	0.2	0.0
	LHDT2	15	3	100	0.06	0.2	0.1	0.1	0.0
	MHDT	15	14	100	0.06	0.8	0.1	0.7	0.0
	HHDT	15	23	100	0.06	1.4	0.0	1.3	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	142	50	0.03	4.3	0.6	3.7	0.0
	HHDT	15	237	50	0.03	7.1	0.0	6.6	0.5
Travel at Convenience Store	LDA	15	669	50	0.03	20.1	18.8	0.2	1.1
	LDT1	15	49	50	0.03	1.5	1.4	0.0	0.0
	LDT2	15	247	50	0.03	7.4	7.1	0.1	0.3
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	95	50	0.03	2.8	2.7	0.0	0.1
	LDT1	15	7	50	0.03	0.2	0.2	0.0	0.0
	LDT2	15	35	50	0.03	1.1	1.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5353.9	409.2	2014.4	589.9	270.3	78.5	122.2	1.1
Diesel	63.4	0.1	19.6	19.8	284.6	188.3	731.4	1328.0
Electric	301.1	12.7	77.4	24.9	0.0	0.0	0.0	94.2

World Logistics Center
Mobile Emissions - 2035 Buildout (Project) - Mitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	1317	642	676	0	3208.2	3378.9	0.0
	LHDT2	5	633	186	447	0	932.0	2234.9	0.0
	MHDT	5	2017	289	1728	0	1444.0	8640.4	0.0
	HHDT	5	3363	3	3138	223	13.4	15689.2	1112.6
Travel at Light Logistics	LHDT1	5	5	3	3	0	12.9	13.6	0.0
	LHDT2	5	3	1	2	0	3.7	9.0	0.0
	MHDT	5	7	1	6	0	4.7	27.9	0.0
	HHDT	5	11	0	10	1	0.0	50.7	3.6
Travel at Utility	LHDT1	5	4	2	2	0	8.7	9.1	0.0
	LHDT2	5	2	1	1	0	2.5	6.0	0.0
	MHDT	5	7	1	6	0	4.9	29.1	0.0
	HHDT	5	11	0	11	1	0.0	52.8	3.7
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	71	10	61	0	50.9	304.6	0.0
	HHDT	5	119	0	111	8	0.5	553.2	39.2
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	53.8	15.6	25.1	0.3
Diesel	56.7	37.5	150.0	272.4
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	19.3

World Logistics Center
Mobile Emissions - 2035 Buildout (Project) - Mitigated
ROG Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - ROG

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					12.7986	12.9950	27.1841	10.4327
10 mph	0.0109	0.0198	0.0203	0.0225	0.0208	0.0183	0.0470	1.3118
15 mph	0.0072	0.0133	0.0136	0.0150	0.0136	0.0121	0.0313	0.8720
20 mph	0.0051	0.0094	0.0096	0.0106	0.0096	0.0085	0.0219	0.6104
25 mph	0.0037	0.0070	0.0071	0.0078	0.0071	0.0062	0.0162	0.4509
30 mph	0.0029	0.0054	0.0055	0.0061	0.0055	0.0049	0.0126	0.3512
35 mph	0.0024	0.0045	0.0045	0.0050	0.0045	0.0040	0.0103	0.2887
40 mph	0.0021	0.0039	0.0039	0.0044	0.0039	0.0035	0.0090	0.2507
45 mph	0.0019	0.0036	0.0036	0.0040	0.0036	0.0032	0.0082	0.2296
50 mph	0.0018	0.0034	0.0034	0.0038	0.0035	0.0031	0.0079	0.2216
55 mph	0.0019	0.0035	0.0035	0.0039	0.0035	0.0031	0.0080	0.2251
60 mph	0.0020	0.0036	0.0036	0.0041	0.0038	0.0033	0.0086	0.2405
65 mph	0.0022	0.0040	0.0040	0.0045	0.0043	0.0037		
70 mph	0.0024	0.0045	0.0042	0.0050	0.0048	0.0040		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3.1731	3.1731	0.5053	2.3680
10 mph	0.0681	0.2055	0.1974	0.0778	0.5591	0.5616	0.0330	0.0808
15 mph	0.0332	0.1062	0.0964	0.0381	0.2761	0.2780	0.0184	0.0444
20 mph	0.0130	0.0476	0.0375	0.0149	0.1114	0.1129	0.0125	0.0281
25 mph	0.0078	0.0307	0.0225	0.0090	0.0683	0.0695	0.0098	0.0228
30 mph	0.0059	0.0235	0.0170	0.0068	0.0522	0.0532	0.0079	0.0184
35 mph	0.0047	0.0187	0.0135	0.0054	0.0423	0.0431	0.0065	0.0152
40 mph	0.0039	0.0159	0.0111	0.0045	0.0354	0.0362	0.0056	0.0131
45 mph	0.0033	0.0141	0.0094	0.0038	0.0306	0.0313	0.0052	0.0121
50 mph	0.0029	0.0127	0.0082	0.0033	0.0272	0.0280	0.0052	0.0121
55 mph	0.0025	0.0121	0.0072	0.0029	0.0245	0.0253	0.0057	0.0134
60 mph	0.0024	0.0123	0.0068	0.0028	0.0238	0.0246	0.0067	0.0156
65 mph	0.0024	0.0124	0.0068	0.0028	0.0250	0.0260		
70 mph	0.0025	0.0089	0.0068	0.0029	0.0336	0.0343		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0407
10 mph								0.2888
15 mph								0.1877
20 mph								0.1254
25 mph								0.0923
30 mph								0.0696
35 mph								0.0526
40 mph								0.0401
45 mph								0.0308
50 mph								0.0241
55 mph								-
60 mph								-
65 mph								
70 mph								

ROG Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.3793	0.0528	0.2658	0.0555	0.0301	0.0077	0.0390	0.0101	0.8403
15 mph	0.1008	0.0142	0.0713	0.0148	0.0079	0.0020	0.0087	0.0022	0.2219
20 mph	0.1414	0.0201	0.1005	0.0209	0.0111	0.0029	0.0121	0.0031	0.3121
25 mph	0.5207	0.0744	0.3711	0.0774	0.0408	0.0105	0.0492	0.0127	1.1568
30 mph	0.4446	0.0638	0.3167	0.0664	0.0350	0.0090	0.0348	0.0090	0.9792
35 mph	0.2977	0.0428	0.2112	0.0446	0.0236	0.0061	0.0128	0.0033	0.6421
40 mph	0.0861	0.0124	0.0611	0.0129	0.0068	0.0018	0.0124	0.0032	0.1967
45 mph	0.0660	0.0095	0.0467	0.0099	0.0052	0.0013	0.0091	0.0024	0.1500
50 mph	0.0637	0.0091	0.0448	0.0095	0.0051	0.0013	0.0142	0.0037	0.1513
55 mph	0.0518	0.0074	0.0363	0.0077	0.0041	0.0010	0.0033	0.0009	0.1125
60 mph	0.1091	0.0154	0.0762	0.0161	0.0087	0.0022	0.0036	0.0009	0.2324
65 mph	0.0152	0.0021	0.0105	0.0022	0.0012	0.0003	-	-	0.0317
70 mph	-	-	-	-	-	-	-	-	-
total	2.2762	0.3240	1.6121	0.3379	0.1797	0.0461	0.1993	0.0516	5.0270

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0585	0.0081	0.0410	0.0098	0.0069	0.0018	-	-	0.1261
15 mph	0.0389	0.0055	0.0275	0.0065	0.0045	0.0012	-	-	0.0840
20 mph	0.0273	0.0039	0.0194	0.0046	0.0032	0.0008	0.0189	0.0049	0.0829
25 mph	0.0401	0.0057	0.0286	0.0068	0.0047	0.0012	0.0245	0.0063	0.1180
30 mph	0.0623	0.0089	0.0444	0.0107	0.0073	0.0019	0.0326	0.0084	0.1766
35 mph	0.1148	0.0165	0.0814	0.0197	0.0135	0.0035	0.0268	0.0069	0.2831
40 mph	0.1107	0.0159	0.0785	0.0190	0.0131	0.0034	0.0213	0.0055	0.2674
45 mph	0.0814	0.0117	0.0576	0.0139	0.0096	0.0025	0.0142	0.0037	0.1946
50 mph	0.0884	0.0127	0.0622	0.0151	0.0104	0.0027	0.0068	0.0018	0.2000
55 mph	0.0499	0.0071	0.0350	0.0085	0.0059	0.0015	0.0035	0.0009	0.1122
60 mph	0.0316	0.0045	0.0220	0.0053	0.0038	0.0010	0.2598	0.0674	0.3954
65 mph	0.0117	0.0016	0.0081	0.0020	0.0014	0.0004	-	-	0.0253
70 mph	0.5993	0.0856	0.3871	0.1002	0.0740	0.0175	-	-	1.2638
total	1.3148	0.1878	0.8928	0.2223	0.1583	0.0391	0.4084	0.1059	3.3293

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.5191	0.4481	1.5030	0.0071	3.4773
15 mph	0.0853	0.0120	0.0603	0.0195	0.0081	0.0021	0.0084	0.0022	0.1980
25 mph	-	-	-	-	0.0136	0.0035	0.0198	0.0051	0.0420
35 mph	0.5676	0.0816	0.4027	0.0435	-	-	-	-	1.0953
total	0.6529	0.0936	0.4630	0.0630	1.5408	0.4537	1.5312	0.0144	4.8125

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.5191	0.4481	1.5030	0.0071	3.4773
10 mph	0.4377	0.0609	0.3067	0.0653	0.0370	0.0095	0.0390	0.0101	0.9664
15 mph	0.2250	0.0316	0.1591	0.0409	0.0206	0.0053	0.0171	0.0044	0.5039
20 mph	0.1686	0.0239	0.1199	0.0255	0.0143	0.0037	0.0310	0.0080	0.3950
25 mph	0.5608	0.0801	0.3997	0.0842	0.0591	0.0152	0.0935	0.0242	1.3168
30 mph	0.5069	0.0728	0.3611	0.0770	0.0423	0.0109	0.0674	0.0175	1.1558
35 mph	0.9800	0.1410	0.6953	0.1077	0.0372	0.0095	0.0396	0.0103	2.0205
40 mph	0.1968	0.0284	0.1396	0.0319	0.0199	0.0051	0.0337	0.0087	0.4641
45 mph	0.1474	0.0212	0.1043	0.0238	0.0148	0.0038	0.0232	0.0060	0.3446
50 mph	0.1520	0.0218	0.1069	0.0246	0.0155	0.0040	0.0211	0.0055	0.3514
55 mph	0.1016	0.0145	0.0712	0.0162	0.0100	0.0025	0.0068	0.0018	0.2247
60 mph	0.1407	0.0199	0.0983	0.0215	0.0125	0.0032	0.2634	0.0684	0.6278
65 mph	0.0270	0.0038	0.0186	0.0042	0.0026	0.0007	-	-	0.0569
70 mph	0.5993	0.0856	0.3871	0.1002	0.0740	0.0175	-	-	1.2638
total	4.2439	0.6055	2.9678	0.6231	1.8788	0.5389	2.1389	0.1719	13.1689

ROG Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0281	0.0001	0.0252	0.0065	0.8519	0.5660	0.1641	0.7283	2.3702
15 mph	0.0055	0.0000	0.0049	0.0013	0.1683	0.1120	0.0304	0.1335	0.4558
20 mph	0.0043	0.0000	0.0038	0.0010	0.1358	0.0910	0.0413	0.1690	0.4462
25 mph	0.0129	0.0000	0.0115	0.0030	0.4161	0.2801	0.1783	0.7535	1.6555
30 mph	0.0108	0.0000	0.0096	0.0025	0.3503	0.2361	0.1311	0.5540	1.2943
35 mph	0.0070	0.0000	0.0062	0.0016	0.2318	0.1563	0.0486	0.2054	0.6570
40 mph	0.0019	0.0000	0.0017	0.0004	0.0648	0.0437	0.0464	0.1965	0.3554
45 mph	0.0014	0.0000	0.0012	0.0003	0.0467	0.0316	0.0341	0.1449	0.2602
50 mph	0.0012	0.0000	0.0010	0.0003	0.0415	0.0282	0.0558	0.2359	0.3638
55 mph	0.0008	0.0000	0.0007	0.0002	0.0298	0.0204	0.0141	0.0604	0.1265
60 mph	0.0016	0.0000	0.0014	0.0004	0.0579	0.0396	0.0165	0.0703	0.1877
65 mph	0.0002	0.0000	0.0002	0.0000	0.0076	0.0052	-	-	0.0133
70 mph	-	-	-	-	-	-	-	-	-
total	0.0757	0.0003	0.0675	0.0175	2.4024	1.6103	0.7607	3.2517	8.1860

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0043	0.0000	0.0039	0.0011	0.1954	0.1298	-	-	0.3346
15 mph	0.0021	0.0000	0.0019	0.0006	0.0965	0.0642	-	-	0.1653
20 mph	0.0008	0.0000	0.0007	0.0002	0.0389	0.0261	0.0645	0.2640	0.3953
25 mph	0.0010	0.0000	0.0009	0.0003	0.0477	0.0321	0.0886	0.3744	0.5450
30 mph	0.0015	0.0000	0.0013	0.0004	0.0730	0.0492	0.1229	0.5191	0.7675
35 mph	0.0027	0.0000	0.0024	0.0007	0.1329	0.0896	0.1012	0.4278	0.7573
40 mph	0.0025	0.0000	0.0022	0.0007	0.1238	0.0836	0.0797	0.3375	0.6299
45 mph	0.0017	0.0000	0.0015	0.0004	0.0856	0.0579	0.0533	0.2264	0.4268
50 mph	0.0016	0.0000	0.0014	0.0004	0.0857	0.0582	0.0268	0.1133	0.2875
55 mph	0.0008	0.0000	0.0007	0.0002	0.0427	0.0292	0.0147	0.0629	0.1513
60 mph	0.0005	0.0000	0.0004	0.0001	0.0249	0.0170	1.2062	5.1245	6.3736
65 mph	0.0002	0.0000	0.0001	0.0000	0.0087	0.0060	-	-	0.0151
70 mph	0.0073	0.0000	0.0061	0.0020	0.5395	0.3650	-	-	0.9200
total	0.0271	0.0001	0.0236	0.0072	1.4953	1.0080	1.7578	7.4499	11.7690

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3967	0.2624	0.1672	1.4225	2.2487
15 mph	0.0046	0.0000	0.0042	0.0017	0.1733	0.1154	0.0296	0.1300	0.4588
25 mph	-	-	-	-	0.1385	0.0932	0.0716	0.3026	0.6060
35 mph	0.0134	0.0001	0.0119	0.0016	-	-	-	-	0.0269
total	0.0180	0.0001	0.0160	0.0033	0.7085	0.4710	0.2684	1.8552	3.3404

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.3967	0.2624	0.1672	1.4225	2.2487
10 mph	0.0324	0.0001	0.0291	0.0076	1.0473	0.6958	0.1641	0.7283	2.7047
15 mph	0.0122	0.0000	0.0110	0.0035	0.4380	0.2917	0.0600	0.2635	1.0800
20 mph	0.0051	0.0000	0.0046	0.0012	0.1747	0.1171	0.1058	0.4330	0.8415
25 mph	0.0139	0.0001	0.0124	0.0032	0.6024	0.4055	0.3385	1.4306	2.8065
30 mph	0.0123	0.0000	0.0109	0.0029	0.4233	0.2853	0.2540	1.0731	2.0617
35 mph	0.0231	0.0001	0.0205	0.0039	0.3646	0.2459	0.1498	0.6332	1.4411
40 mph	0.0044	0.0000	0.0039	0.0011	0.1885	0.1273	0.1260	0.5340	0.9853
45 mph	0.0031	0.0000	0.0027	0.0008	0.1322	0.0895	0.0874	0.3713	0.6870
50 mph	0.0028	0.0000	0.0025	0.0007	0.1271	0.0863	0.0826	0.3492	0.6513
55 mph	0.0016	0.0000	0.0014	0.0004	0.0726	0.0496	0.0288	0.1234	0.2778
60 mph	0.0020	0.0000	0.0018	0.0005	0.0828	0.0567	1.2227	5.1948	6.5613
65 mph	0.0004	0.0000	0.0003	0.0001	0.0163	0.0112	-	-	0.0283
70 mph	0.0073	0.0000	0.0061	0.0020	0.5395	0.3650	-	-	0.9200
total	0.1207	0.0004	0.1071	0.0279	4.6062	3.0893	2.7869	12.5568	23.2954

ROG Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1846	0.1846
15 mph								0.0400	0.0400
20 mph								0.0535	0.0535
25 mph								0.2165	0.2165
30 mph								0.1483	0.1483
35 mph								0.0505	0.0505
40 mph								0.0427	0.0427
45 mph								0.0263	0.0263
50 mph								0.0334	0.0334
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.7958	0.7958

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0835	0.0835
25 mph								0.1076	0.1076
30 mph								0.1390	0.1390
35 mph								0.1051	0.1051
40 mph								0.0733	0.0733
45 mph								0.0410	0.0410
50 mph								0.0161	0.0161
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.4352	0.4352

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0017	0.0017
15 mph								0.0390	0.0390
25 mph								0.0869	0.0869
35 mph								-	-
total	-	-	-	-	-	-	-	0.1277	0.1277

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0017	0.0017
10 mph								0.1846	0.1846
15 mph								0.0790	0.0790
20 mph								0.1370	0.1370
25 mph								0.4110	0.4110
30 mph								0.2873	0.2873
35 mph								0.1556	0.1556
40 mph								0.1160	0.1160
45 mph								0.0673	0.0673
50 mph								0.0495	0.0495
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.4891	1.4891

ROG Emissions

EMFAC2017 RUNLOSS + HOTSOAK Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3118	1.0760	0.5558	0.6031	1.0363	0.9837	0.5746	1.6235
Electric/NG	-	-	-	-	-	-	-	-

RUNLOSS + HOTSOAK Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	18.1072	4.7760	12.1451	3.7878	2.9522	0.8142	0.7624	0.0200
Electric/NG	-	-	-	-	-	-	-	-
Total	18.1072	4.7760	12.1451	3.7878	2.9522	0.8142	0.7624	0.0200

EMFAC2017 RESTLOSS & DIURN Emission Factors (g/vehicle/day) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2366	0.4106	0.4414	0.6164	0.0551	0.0535	0.0484	0.0421
Electric/NG	0.0317	0.0314	0.0315	0.0315	-	-	-	-

RESTLOSS & DIURN Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	6.8725	0.9112	4.8233	1.9356	0.0785	0.0221	0.0321	0.0003
Electric/NG	0.0517	0.0022	0.0132	0.0042	-	-	-	-
Total	6.9242	0.9134	4.8365	1.9398	0.0785	0.0221	0.0321	0.0003

EMFAC2017 STREX Emission Factors (g/trip) - ROG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0893	0.1100	0.1284	0.1428	0.0540	0.0531	0.1521	0.0013
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5.1860	0.4884	2.8059	0.8970	0.1539	0.0440	0.2018	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	5.1860	0.4884	2.8059	0.8970	0.1539	0.0440	0.2018	0.0000

Total ROG Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	1.9158	0.7105	1.6701	1.4314	5.7277
10 mph	0.4702	0.0610	0.3358	0.0729	1.0843	0.7053	0.2031	0.9230	3.8557
15 mph	0.2372	0.0317	0.1701	0.0444	0.4586	0.2970	0.0771	0.3469	1.6629
20 mph	0.1738	0.0239	0.1245	0.0267	0.1890	0.1208	0.1368	0.5780	1.3735
25 mph	0.5747	0.0802	0.4121	0.0875	0.6615	0.4207	0.4320	1.8658	4.5343
30 mph	0.5191	0.0728	0.3720	0.0799	0.4656	0.2962	0.3214	1.3778	3.5048
35 mph	1.0031	0.1411	0.7157	0.1116	0.4018	0.2554	0.1894	0.7990	3.6172
40 mph	0.2012	0.0284	0.1435	0.0330	0.2085	0.1324	0.1597	0.6587	1.5654
45 mph	0.1504	0.0212	0.1070	0.0246	0.1471	0.0933	0.1107	0.4447	1.0989
50 mph	0.1549	0.0218	0.1094	0.0253	0.1426	0.0903	0.1036	0.4042	1.0521
55 mph	0.1033	0.0145	0.0727	0.0166	0.0826	0.0521	0.0356	0.1252	0.5025
60 mph	0.1427	0.0199	0.1001	0.0220	0.0953	0.0599	1.4861	5.2632	7.1891
65 mph	0.0273	0.0038	0.0189	0.0043	0.0190	0.0119	-	-	0.0852
70 mph	0.6066	0.0856	0.3932	0.1022	0.6135	0.3825	-	-	2.1838
RL+HS	18.1072	4.7760	12.1451	3.7878	2.9522	0.8142	0.7624	0.0200	43.3648
RL+DIURN	6.9242	0.9134	4.8365	1.9398	0.0785	0.0221	0.0321	0.0003	14.7469
STREX	5.1860	0.4884	2.8059	0.8970	0.1539	0.0440	0.2018	0.0000	9.7769
total	34.5819	6.7837	22.8624	7.2756	9.6695	4.5084	5.9222	14.2380	**105.8418**

World Logistics Center
Mobile Emissions - 2035 Buildout (Project) - Mitigated
NOX Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - NOX

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.1149	1.1316	2.4126	26.9577
10 mph	0.0279	0.0402	0.0412	0.0453	0.0763	0.0818	0.1589	4.6871
15 mph	0.0245	0.0351	0.0360	0.0394	0.0662	0.0710	0.1405	4.1354
20 mph	0.0220	0.0314	0.0322	0.0352	0.0599	0.0643	0.1259	3.7102
25 mph	0.0201	0.0285	0.0291	0.0319	0.0544	0.0583	0.1149	3.3847
30 mph	0.0186	0.0264	0.0268	0.0295	0.0506	0.0543	0.1065	3.1388
35 mph	0.0176	0.0248	0.0251	0.0277	0.0480	0.0515	0.1000	2.9536
40 mph	0.0168	0.0237	0.0239	0.0265	0.0459	0.0493	0.0955	2.8195
45 mph	0.0162	0.0230	0.0232	0.0257	0.0445	0.0477	0.0925	2.7334
50 mph	0.0161	0.0228	0.0229	0.0255	0.0441	0.0471	0.0913	2.6999
55 mph	0.0162	0.0232	0.0234	0.0260	0.0446	0.0476	0.0920	2.7224
60 mph	0.0169	0.0243	0.0245	0.0272	0.0461	0.0494	0.0950	2.8093
65 mph	0.0177	0.0256	0.0256	0.0287	0.0486	0.0518		
70 mph	0.0187	0.0275	0.0256	0.0304	0.0541	0.0537		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					31.7626	32.4443	29.2505	27.9978
10 mph	0.0426	0.2174	0.1258	0.0483	0.3486	0.3772	5.3171	10.7463
15 mph	0.0288	0.1867	0.0842	0.0327	0.2640	0.2926	3.7199	7.4221
20 mph	0.0193	0.1647	0.0555	0.0219	0.2297	0.2579	2.9497	5.3011
25 mph	0.0149	0.1526	0.0422	0.0170	0.2083	0.2374	2.2972	4.3269
30 mph	0.0126	0.1436	0.0352	0.0145	0.2089	0.2384	1.7139	3.2272
35 mph	0.0111	0.1331	0.0305	0.0129	0.2190	0.2480	1.2475	2.3485
40 mph	0.0100	0.1322	0.0271	0.0117	0.2268	0.2563	0.8978	1.6953
45 mph	0.0092	0.1347	0.0246	0.0108	0.2349	0.2651	0.6661	1.2609
50 mph	0.0086	0.1330	0.0226	0.0102	0.2461	0.2780	0.5537	1.0385
55 mph	0.0081	0.1388	0.0211	0.0096	0.2394	0.2744	0.5601	1.0701
60 mph	0.0080	0.1451	0.0204	0.0094	0.2451	0.2797	0.6850	1.2921
65 mph	0.0080	0.1353	0.0205	0.0096	0.2715	0.3096		
70 mph	0.0087	0.0675	0.0208	0.0111	0.5731	0.5993		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								29.7310
10 mph								1.7921
15 mph								1.2992
20 mph								0.9835
25 mph								0.7999
30 mph								0.6903
35 mph								0.6149
40 mph								0.5604
45 mph								0.5201
50 mph								0.4903
55 mph								-
60 mph								-
65 mph								
70 mph								

NOX Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.9734	0.1071	0.5402	0.1118	0.1104	0.0344	0.1319	0.0361	2.0453
15 mph	0.3416	0.0374	0.1890	0.0389	0.0383	0.0119	0.0389	0.0106	0.7066
20 mph	0.6141	0.0670	0.3380	0.0695	0.0693	0.0216	0.0697	0.0190	1.2681
25 mph	2.7995	0.3040	1.5291	0.3149	0.3146	0.0980	0.3496	0.0955	5.8053
30 mph	2.8584	0.3094	1.5490	0.3201	0.3222	0.1005	0.2945	0.0805	5.8347
35 mph	2.2048	0.2381	1.1843	0.2461	0.2497	0.0780	0.1245	0.0341	4.3597
40 mph	0.7022	0.0758	0.3766	0.0784	0.0796	0.0248	0.1321	0.0362	1.5058
45 mph	0.5665	0.0613	0.3043	0.0634	0.0644	0.0201	0.1024	0.0280	1.2103
50 mph	0.5600	0.0608	0.3006	0.0629	0.0638	0.0198	0.1641	0.0450	1.2770
55 mph	0.4532	0.0495	0.2452	0.0513	0.0517	0.0160	0.0382	0.0105	0.9156
60 mph	0.9423	0.1037	0.5143	0.1075	0.1068	0.0332	0.0394	0.0108	1.8581
65 mph	0.1233	0.0136	0.0672	0.0142	0.0140	0.0044	-	-	0.2366
70 mph	-	-	-	-	-	-	-	-	-
total	13.1394	1.4277	7.1378	1.4790	1.4850	0.4626	1.4852	0.4063	27.0231

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1501	0.0165	0.0833	0.0198	0.0253	0.0079	-	-	0.3029
15 mph	0.1317	0.0144	0.0729	0.0172	0.0220	0.0068	-	-	0.2650
20 mph	0.1184	0.0129	0.0652	0.0154	0.0199	0.0062	0.1088	0.0297	0.3764
25 mph	0.2159	0.0234	0.1179	0.0278	0.0361	0.0112	0.1737	0.0475	0.6536
30 mph	0.4007	0.0434	0.2172	0.0514	0.0672	0.0210	0.2760	0.0754	1.1523
35 mph	0.8501	0.0918	0.4566	0.1087	0.1432	0.0447	0.2593	0.0710	2.0254
40 mph	0.9025	0.0974	0.4840	0.1154	0.1522	0.0475	0.2269	0.0621	2.0880
45 mph	0.6989	0.0756	0.3754	0.0896	0.1182	0.0368	0.1599	0.0438	1.5982
50 mph	0.7773	0.0844	0.4172	0.1000	0.1318	0.0408	0.0789	0.0216	1.6519
55 mph	0.4369	0.0477	0.2363	0.0567	0.0740	0.0229	0.0398	0.0109	0.9252
60 mph	0.2725	0.0300	0.1487	0.0356	0.0459	0.0143	2.8734	0.7878	4.2082
65 mph	0.0950	0.0105	0.0518	0.0125	0.0161	0.0050	-	-	0.1910
70 mph	4.6157	0.5193	2.3866	0.6099	0.8249	0.2382	-	-	9.1946
total	9.6657	1.0674	5.1130	1.2600	1.6767	0.5033	4.1967	1.1498	24.6327

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1323	0.0390	0.1334	0.0184	0.3231
15 mph	0.2890	0.0317	0.1600	0.0512	0.0395	0.0123	0.0379	0.0103	0.6318
25 mph	-	-	-	-	0.1047	0.0326	0.1404	0.0384	0.3161
35 mph	4.2037	0.4540	2.2581	0.2400	-	-	-	-	7.1558
total	4.4928	0.4856	2.4180	0.2913	0.2765	0.0839	0.3117	0.0671	8.4269

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1323	0.0390	0.1334	0.0184	0.3231
10 mph	1.1236	0.1236	0.6235	0.1316	0.1357	0.0422	0.1319	0.0361	2.3483
15 mph	0.7623	0.0835	0.4219	0.1073	0.0998	0.0311	0.0767	0.0209	1.6035
20 mph	0.7324	0.0799	0.4031	0.0849	0.0892	0.0278	0.1785	0.0488	1.6445
25 mph	3.0154	0.3274	1.6470	0.3427	0.4554	0.1419	0.6638	0.1813	6.7750
30 mph	3.2592	0.3528	1.7662	0.3715	0.3894	0.1215	0.5704	0.1559	6.9869
35 mph	7.2586	0.7839	3.8990	0.5949	0.3929	0.1226	0.3838	0.1051	13.5409
40 mph	1.6047	0.1733	0.8606	0.1938	0.2318	0.0723	0.3590	0.0983	3.5938
45 mph	1.2653	0.1369	0.6797	0.1530	0.1826	0.0569	0.2622	0.0718	2.8085
50 mph	1.3374	0.1451	0.7178	0.1628	0.1956	0.0606	0.2430	0.0666	2.9290
55 mph	0.8901	0.0972	0.4815	0.1080	0.1257	0.0389	0.0780	0.0214	1.8408
60 mph	1.2148	0.1336	0.6630	0.1432	0.1527	0.0475	2.9129	0.7986	6.0663
65 mph	0.2183	0.0242	0.1189	0.0267	0.0302	0.0093	-	-	0.4276
70 mph	4.6157	0.5193	2.3866	0.6099	0.8249	0.2382	-	-	9.1946
total	27.2979	2.9808	14.6688	3.0303	3.4382	1.0499	5.9936	1.6232	60.0827

NOX Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0176	0.0001	0.0161	0.0040	0.5312	0.3801	26.4010	96.8889	124.2389
15 mph	0.0047	0.0000	0.0043	0.0011	0.1609	0.1180	6.1567	22.3057	28.7515
20 mph	0.0064	0.0001	0.0057	0.0015	0.2799	0.2079	9.7641	31.8632	42.1286
25 mph	0.0246	0.0002	0.0216	0.0056	1.2693	0.9570	41.8232	143.0400	187.1414
30 mph	0.0229	0.0002	0.0198	0.0053	1.4002	1.0573	28.3667	96.9884	127.8608
35 mph	0.0165	0.0002	0.0140	0.0038	1.2013	0.8997	9.2917	31.7608	43.1880
40 mph	0.0049	0.0001	0.0042	0.0012	0.4146	0.3099	7.4298	25.4751	33.6397
45 mph	0.0038	0.0001	0.0031	0.0009	0.3579	0.2672	4.4100	15.1575	20.2004
50 mph	0.0036	0.0001	0.0029	0.0008	0.3750	0.2802	5.9571	20.2866	26.9063
55 mph	0.0027	0.0000	0.0022	0.0006	0.2918	0.2212	1.3905	4.8239	6.7328
60 mph	0.0053	0.0001	0.0042	0.0013	0.5975	0.4510	1.7007	5.8247	8.5846
65 mph	0.0007	0.0000	0.0005	0.0002	0.0827	0.0624	-	-	0.1465
70 mph	-	-	-	-	-	-	-	-	-
total	0.1135	0.0012	0.0984	0.0263	6.9623	5.2117	142.6914	494.4149	649.5197

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0027	0.0000	0.0025	0.0007	0.1218	0.0872	-	-	0.2149
15 mph	0.0018	0.0000	0.0017	0.0005	0.0922	0.0676	-	-	0.1638
20 mph	0.0012	0.0000	0.0011	0.0003	0.0803	0.0596	15.2493	49.7633	65.1552
25 mph	0.0019	0.0000	0.0017	0.0005	0.1455	0.1097	20.7832	71.0809	92.1235
30 mph	0.0032	0.0000	0.0028	0.0009	0.2919	0.2204	26.5816	90.8848	117.9856
35 mph	0.0063	0.0001	0.0054	0.0017	0.6888	0.5158	19.3487	66.1380	86.7048
40 mph	0.0064	0.0001	0.0053	0.0017	0.7924	0.5923	12.7641	43.7652	57.9274
45 mph	0.0047	0.0001	0.0039	0.0013	0.6566	0.4902	6.8874	23.6727	31.7168
50 mph	0.0049	0.0001	0.0040	0.0013	0.7740	0.5783	2.8627	9.7487	13.9740
55 mph	0.0026	0.0000	0.0021	0.0007	0.4182	0.3170	1.4477	5.0226	7.2110
60 mph	0.0015	0.0000	0.0012	0.0004	0.2569	0.1939	123.9541	424.5236	548.9317
65 mph	0.0005	0.0000	0.0004	0.0001	0.0949	0.0715	-	-	0.1675
70 mph	0.0254	0.0002	0.0188	0.0075	9.2114	6.3714	-	-	15.6347
total	0.0632	0.0006	0.0508	0.0176	13.6247	9.6751	229.8789	784.5999	1,037.9109

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.9707	2.6827	9.6768	16.8187	33.1488
15 mph	0.0040	0.0000	0.0036	0.0014	0.1657	0.1215	5.9989	21.7341	28.0293
25 mph	-	-	-	-	0.4226	0.3186	16.7965	57.4458	74.9834
35 mph	0.0314	0.0004	0.0267	0.0038	-	-	-	-	0.0622
total	0.0354	0.0004	0.0304	0.0052	4.5589	3.1227	32.4722	95.9986	136.2238

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.9707	2.6827	9.6768	16.8187	33.1488
10 mph	0.0203	0.0001	0.0185	0.0047	0.6530	0.4673	26.4010	96.8889	124.4538
15 mph	0.0106	0.0001	0.0096	0.0030	0.4188	0.3071	12.1557	44.0398	56.9446
20 mph	0.0076	0.0001	0.0068	0.0018	0.3602	0.2675	25.0134	81.6265	107.2838
25 mph	0.0265	0.0003	0.0232	0.0061	1.8374	1.3853	79.4029	271.5668	354.2484
30 mph	0.0261	0.0003	0.0225	0.0061	1.6921	1.2777	54.9483	187.8732	245.8464
35 mph	0.0542	0.0006	0.0461	0.0093	1.8901	1.4155	28.6404	97.8988	129.9551
40 mph	0.0113	0.0001	0.0095	0.0029	1.2070	0.9022	20.1938	69.2403	91.5671
45 mph	0.0085	0.0001	0.0070	0.0022	1.0144	0.7574	11.2974	38.8302	51.9173
50 mph	0.0085	0.0001	0.0069	0.0022	1.1489	0.8585	8.8198	30.0353	40.8803
55 mph	0.0053	0.0001	0.0042	0.0013	0.7100	0.5382	2.8382	9.8465	13.9438
60 mph	0.0068	0.0001	0.0054	0.0017	0.8544	0.6449	125.6548	430.3483	557.5163
65 mph	0.0012	0.0000	0.0009	0.0003	0.1776	0.1339	-	-	0.3139
70 mph	0.0254	0.0002	0.0188	0.0075	9.2114	6.3714	-	-	15.6347
total	0.2121	0.0022	0.1796	0.0491	25.1459	18.0095	405.0425	1,375.0134	1,823.6544

NOX Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1.1458	1.1458
15 mph								0.2769	0.2769
20 mph								0.4192	0.4192
25 mph								1.8752	1.8752
30 mph								1.4712	1.4712
35 mph								0.5897	0.5897
40 mph								0.5972	0.5972
45 mph								0.4434	0.4434
50 mph								0.6791	0.6791
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	7.4978	7.4978

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.6547	0.6547
25 mph								0.9319	0.9319
30 mph								1.3786	1.3786
35 mph								1.2280	1.2280
40 mph								1.0259	
45 mph								0.6925	
50 mph								0.3264	
55 mph								-	
60 mph								-	
65 mph								-	
70 mph								-	
total	-	-	-	-	-	-	-	4.1932	4.1932

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.2665	1.2665
15 mph								0.2698	0.2698
25 mph								0.7531	0.7531
35 mph								-	-
total	-	-	-	-	-	-	-	2.2894	2.2894

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.2665	1.2665
10 mph								1.1458	1.1458
15 mph								0.5467	0.5467
20 mph								1.0739	1.0739
25 mph								3.5602	3.5602
30 mph								2.8498	2.8498
35 mph								1.8178	1.8178
40 mph								1.6231	1.6231
45 mph								1.1358	1.1358
50 mph								1.0055	1.0055
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	16.0251	16.0251

NOX Emissions

Total NOX RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	4.1030	2.7217	9.8102	18.1036	34.7384
10 mph	1.1438	0.1237	0.6421	0.1363	0.7888	0.5095	26.5328	98.0708	127.9479
15 mph	0.7729	0.0836	0.4315	0.1103	0.5186	0.3381	12.2324	44.6075	59.0948
20 mph	0.7400	0.0799	0.4099	0.0866	0.4494	0.2953	25.1918	82.7492	110.0022
25 mph	3.0419	0.3277	1.6702	0.3489	2.2928	1.5272	80.0667	275.3083	364.5836
30 mph	3.2852	0.3531	1.7887	0.3777	2.0815	1.3991	55.5188	190.8790	255.6832
35 mph	7.3128	0.7845	3.9451	0.6042	2.2830	1.5382	29.0242	99.8217	145.3137
40 mph	1.6160	0.1734	0.8700	0.1967	1.4388	0.9745	20.5529	70.9617	96.7840
45 mph	1.2738	0.1371	0.6867	0.1552	1.1970	0.8143	11.5597	40.0379	55.8616
50 mph	1.3459	0.1453	0.7247	0.1650	1.3445	0.9191	9.0628	31.1075	44.8148
55 mph	0.8954	0.0973	0.4857	0.1093	0.8357	0.5772	2.9162	9.8678	15.7846
60 mph	1.2216	0.1338	0.6684	0.1448	1.0071	0.6924	128.5677	431.1469	563.5826
65 mph	0.2195	0.0242	0.1199	0.0270	0.2077	0.1433	-	-	0.7415
70 mph	4.6411	0.5195	2.4054	0.6174	10.0363	6.6096	-	-	24.8293
STREX	6.7026	0.5888	2.9396	0.9272	0.9240	0.2787	17.5790	35.4510	65.3908
total	34.2126	3.5718	17.7880	4.0066	29.5081	19.3381	428.6151	1,428.1127	**1,965.1530**

EMFAC2017 STREX Emission Factors (g/trip) - NOX

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1154	0.1326	0.1345	0.1476	0.3243	0.3368	0.3223	0.0062
Diesel	-	-	-	-	-	-	2.1602	2.4590
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	6.7026	0.5888	2.9396	0.9272	0.9240	0.2787	0.4276	0.0001
Diesel	-	-	-	-	-	-	17.1514	35.4509
Electric/NG	-	-	-	-	-	-	-	-
Total	6.7026	0.5888	2.9396	0.9272	0.9240	0.2787	17.5790	35.4510

World Logistics Center
Mobile Emissions - 2035 Buildout (Project) - Mitigated
CO Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					155.0597	155.1653	388.1149	271.5252
10 mph	0.6890	0.8196	0.8726	0.8904	0.2686	0.2354	0.4073	49.4286
15 mph	0.6280	0.7450	0.7947	0.8095	0.2427	0.2142	0.3735	45.1999
20 mph	0.5753	0.6809	0.7268	0.7407	0.2231	0.1963	0.3414	41.3728
25 mph	0.5280	0.6235	0.6656	0.6788	0.2039	0.1798	0.3137	37.9859
30 mph	0.4862	0.5729	0.6113	0.6244	0.1876	0.1653	0.2882	34.9459
35 mph	0.4494	0.5283	0.5632	0.5765	0.1735	0.1525	0.2654	32.2441
40 mph	0.4166	0.4899	0.5221	0.5346	0.1609	0.1413	0.2459	29.8775
45 mph	0.3887	0.4572	0.4870	0.4986	0.1497	0.1313	0.2282	27.7545
50 mph	0.3623	0.4266	0.4536	0.4649	0.1394	0.1219	0.2120	25.8237
55 mph	0.3369	0.3968	0.4219	0.4327	0.1298	0.1134	0.1973	24.0431
60 mph	0.3081	0.3638	0.3866	0.3962	0.1202	0.1052	0.1837	22.3750
65 mph	0.2856	0.3383	0.3584	0.3678	0.1122	0.0979		
70 mph	0.2809	0.3373	0.3473	0.3627	0.1133	0.0926		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					26.3000	26.3000	21.3928	34.9681
10 mph	2.0310	2.0751	2.0064	2.2741	2.5048	2.5323	0.4923	1.3481
15 mph	0.9903	1.0634	0.9792	1.1107	1.2371	1.2526	0.2664	0.7225
20 mph	0.3856	0.4685	0.3809	0.4324	0.5019	0.5108	0.1780	0.4498
25 mph	0.2319	0.3026	0.2286	0.2601	0.3094	0.3160	0.1360	0.3545
30 mph	0.1755	0.2341	0.1727	0.1969	0.2386	0.2441	0.1044	0.2720
35 mph	0.1398	0.1891	0.1373	0.1570	0.1952	0.1998	0.0787	0.2052
40 mph	0.1154	0.1632	0.1132	0.1296	0.1659	0.1702	0.0590	0.1542
45 mph	0.0979	0.1480	0.0959	0.1099	0.1462	0.1503	0.0452	0.1186
50 mph	0.0848	0.1376	0.0829	0.0953	0.1336	0.1379	0.0375	0.0979
55 mph	0.0746	0.1371	0.0729	0.0838	0.1236	0.1285	0.0357	0.0944
60 mph	0.0704	0.1476	0.0687	0.0792	0.1250	0.1304	0.0399	0.1048
65 mph	0.0708	0.1571	0.0687	0.0798	0.1397	0.1468		
70 mph	0.0729	0.1065	0.0688	0.0824	0.2247	0.2291		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								34.3791
10 mph								36.1157
15 mph								25.4330
20 mph								18.3972
25 mph								13.4834
30 mph								9.9379
35 mph								7.3251
40 mph								5.3997
45 mph								3.9810
50 mph								2.9356
55 mph								-
60 mph								-
65 mph								
70 mph								

CO Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	24.0313	2.1846	11.4517	2.1977	0.3886	0.0989	0.3379	0.3803	41.0711
15 mph	8.7613	0.7944	4.1718	0.7992	0.1404	0.0360	0.1033	0.1159	14.9223
20 mph	16.0520	1.4520	7.6304	1.4625	0.2582	0.0660	0.1889	0.2122	27.3222
25 mph	73.6590	6.6483	34.9384	6.7016	1.1796	0.3023	0.9543	1.0717	125.4553
30 mph	74.6187	6.7195	35.2986	6.7811	1.1938	0.3056	0.7971	0.8963	126.6107
35 mph	56.4225	5.0699	26.6073	5.1226	0.9036	0.2308	0.3303	0.3722	95.0593
40 mph	17.4370	1.5671	8.2212	1.5832	0.2793	0.0713	0.3401	0.3832	29.8824
45 mph	13.5568	1.2187	6.3903	1.2307	0.2165	0.0552	0.2525	0.2848	23.2055
50 mph	12.6373	1.1371	5.9527	1.1475	0.2017	0.0512	0.3812	0.4305	21.9393
55 mph	9.4012	0.8462	4.4293	0.8543	0.1502	0.0381	0.0819	0.0925	15.8937
60 mph	17.1921	1.5515	8.1180	1.5644	0.2783	0.0707	0.0762	0.0861	28.9373
65 mph	1.9920	0.1804	0.9407	0.1816	0.0325	0.0082	-	-	3.3353
70 mph	-	-	-	-	-	-	-	-	-
total	325.7611	29.3697	154.1503	29.6263	5.2228	1.3345	3.8439	4.3258	553.6345

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	3.7061	0.3369	1.7661	0.3884	0.0891	0.0227	-	-	6.3093
15 mph	3.3779	0.3063	1.6084	0.3531	0.0805	0.0206	-	-	5.7468
20 mph	3.0944	0.2799	1.4710	0.3230	0.0740	0.0189	0.2950	0.3315	5.8877
25 mph	5.6798	0.5127	2.6941	0.5921	0.1353	0.0347	0.4742	0.5326	10.6555
30 mph	10.4615	0.9421	4.9489	1.0893	0.2489	0.0637	0.7470	0.8399	19.3413
35 mph	21.7537	1.9547	10.2584	2.2630	0.5181	0.1323	0.6879	0.7750	38.3432
40 mph	22.4094	2.0140	10.5656	2.3314	0.5338	0.1362	0.5843	0.6583	39.2331
45 mph	16.7258	1.5036	7.8841	1.7398	0.3972	0.1012	0.3944	0.4447	29.1909
50 mph	17.5403	1.5783	8.2622	1.8249	0.4163	0.1057	0.1832	0.2069	30.1179
55 mph	9.0616	0.8157	4.2693	0.9435	0.2153	0.0547	0.0852	0.0963	15.5416
60 mph	4.9713	0.4486	2.3474	0.5183	0.1196	0.0304	5.5535	6.2742	20.2635
65 mph	1.5360	0.1391	0.7254	0.1604	0.0372	0.0094	-	-	2.6076
70 mph	69.4969	6.3782	32.3310	7.2772	1.7293	0.4106	-	-	117.6231
total	189.8149	17.2100	89.1320	19.8046	4.5947	1.1412	9.0047	10.1594	340.8615

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	18.4044	5.3504	21.4581	0.1854	45.3983
15 mph	7.4136	0.6722	3.5301	1.0529	0.1446	0.0371	0.1007	0.1130	13.0642
25 mph	-	-	-	-	0.3927	0.1006	0.3833	0.4304	1.3070
35 mph	107.5760	9.6664	50.7298	4.9959	-	-	-	-	172.9681
total	114.9897	10.3385	54.2599	6.0488	18.9417	5.4882	21.9420	0.7288	232.7377

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	18.4044	5.3504	21.4581	0.1854	45.3983
10 mph	27.7374	2.5215	13.2177	2.5860	0.4777	0.1216	0.3379	0.3803	47.3803
15 mph	19.5528	1.7728	9.3104	2.2052	0.3656	0.0937	0.2040	0.2289	33.7334
20 mph	19.1464	1.7319	9.1014	1.7855	0.3322	0.0849	0.4839	0.5437	33.2099
25 mph	79.3389	7.1610	37.6325	7.2937	1.7076	0.4376	1.8118	2.0348	137.4178
30 mph	85.0802	7.6615	40.2475	7.8704	1.4427	0.3693	1.5441	1.7363	145.9521
35 mph	185.7523	16.6910	87.5955	12.3815	1.4217	0.3631	1.0182	1.1472	306.3706
40 mph	39.8464	3.5811	18.7868	3.9147	0.8132	0.2075	0.9244	1.0414	69.1155
45 mph	30.2826	2.7224	14.2744	2.9705	0.6137	0.1564	0.6469	0.7295	52.3964
50 mph	30.1777	2.7155	14.2149	2.9723	0.6180	0.1570	0.5645	0.6374	52.0572
55 mph	18.4627	1.6619	8.6987	1.7978	0.3655	0.0928	0.1671	0.1888	31.4353
60 mph	22.1635	2.0001	10.4654	2.0828	0.3979	0.1011	5.6297	6.3603	49.2008
65 mph	3.5280	0.3194	1.6660	0.3420	0.0697	0.0177	-	-	5.9429
70 mph	69.4969	6.3782	32.3310	7.2772	1.7293	0.4106	-	-	117.6231
total	630.5657	56.9183	297.5422	55.4797	28.7592	7.9639	34.7906	15.2140	1,127.2337

CO Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.8387	0.0008	0.2563	0.1889	3.8164	2.5520	2.4442	12.1548	22.2520
15 mph	0.1636	0.0002	0.0500	0.0369	0.7540	0.5049	0.4409	2.1713	4.1218
20 mph	0.1274	0.0001	0.0389	0.0287	0.6118	0.4118	0.5893	2.7038	4.5119
25 mph	0.3830	0.0005	0.1168	0.0864	1.8857	1.2740	2.4764	11.7208	17.9435
30 mph	0.3188	0.0004	0.0971	0.0720	1.5994	1.0823	1.7275	8.1753	13.0726
35 mph	0.2079	0.0003	0.0631	0.0469	1.0705	0.7250	0.5862	2.7748	5.4746
40 mph	0.0572	0.0001	0.0174	0.0129	0.3034	0.2058	0.4881	2.3171	3.4020
45 mph	0.0404	0.0001	0.0122	0.0091	0.2227	0.1515	0.2995	1.4256	2.1611
50 mph	0.0350	0.0001	0.0106	0.0079	0.2035	0.1390	0.4034	1.9122	2.7117
55 mph	0.0247	0.0000	0.0074	0.0056	0.1506	0.1036	0.0887	0.4257	0.8063
60 mph	0.0465	0.0001	0.0140	0.0105	0.3047	0.2102	0.0991	0.4723	1.1575
65 mph	0.0058	0.0000	0.0018	0.0013	0.0426	0.0296	-	-	0.0811
70 mph	-	-	-	-	-	-	-	-	-
total	2.2489	0.0026	0.6857	0.5072	10.9651	7.3895	9.6433	46.2539	77.6962

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1293	0.0001	0.0395	0.0334	0.8752	0.5852	-	-	1.6628
15 mph	0.0631	0.0001	0.0193	0.0163	0.4323	0.2895	-	-	0.8205
20 mph	0.0246	0.0000	0.0075	0.0063	0.1754	0.1180	0.9203	4.2227	5.4749
25 mph	0.0295	0.0000	0.0090	0.0076	0.2162	0.1461	1.2306	5.8244	7.4636
30 mph	0.0447	0.0001	0.0136	0.0116	0.3334	0.2256	1.6188	7.6608	9.9086
35 mph	0.0802	0.0001	0.0243	0.0207	0.6137	0.4156	1.2206	5.7782	8.1535
40 mph	0.0735	0.0001	0.0223	0.0190	0.5798	0.3933	0.8385	3.9808	5.9073
45 mph	0.0499	0.0001	0.0151	0.0129	0.4086	0.2779	0.4678	2.2265	3.4587
50 mph	0.0486	0.0001	0.0147	0.0126	0.4201	0.2868	0.1938	0.9189	1.8956
55 mph	0.0238	0.0000	0.0072	0.0062	0.2159	0.1485	0.0924	0.4433	0.9371
60 mph	0.0135	0.0000	0.0041	0.0035	0.1310	0.0904	7.2256	34.4223	41.8903
65 mph	0.0045	0.0000	0.0014	0.0012	0.0488	0.0339	-	-	0.0898
70 mph	0.2137	0.0003	0.0624	0.0556	3.6121	2.4361	-	-	6.3801
total	0.7987	0.0010	0.2403	0.2069	8.0625	5.4470	13.8085	65.4779	94.0428

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.2878	2.1746	7.0773	21.0058	33.5455
15 mph	0.1384	0.0001	0.0423	0.0486	0.7765	0.5200	0.4296	2.1157	4.0713
25 mph	-	-	-	-	0.6278	0.4241	0.9946	4.7072	6.7536
35 mph	0.3964	0.0005	0.1204	0.0458	-	-	-	-	0.5631
total	0.5348	0.0007	0.1627	0.0944	4.6920	3.1187	8.5015	27.8287	44.9335

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	3.2878	2.1746	7.0773	21.0058	33.5455
10 mph	0.9680	0.0009	0.2958	0.2222	4.6916	3.1372	2.4442	12.1548	23.9148
15 mph	0.3651	0.0004	0.1117	0.1018	1.9627	1.3144	0.8706	4.2870	9.0136
20 mph	0.1520	0.0002	0.0464	0.0351	0.7872	0.5299	1.5096	6.9265	9.9868
25 mph	0.4125	0.0005	0.1258	0.0940	2.7296	1.8441	4.7016	22.2524	32.1607
30 mph	0.3635	0.0005	0.1107	0.0835	1.9328	1.3079	3.3463	15.8362	22.9812
35 mph	0.6844	0.0009	0.2079	0.1135	1.6842	1.1406	1.8068	8.5530	14.1912
40 mph	0.1307	0.0002	0.0397	0.0319	0.8831	0.5991	1.3266	6.2979	9.3093
45 mph	0.0903	0.0001	0.0274	0.0220	0.6313	0.4294	0.7673	3.6521	5.6198
50 mph	0.0836	0.0001	0.0253	0.0205	0.6236	0.4258	0.5972	2.8311	4.6073
55 mph	0.0484	0.0001	0.0146	0.0117	0.3665	0.2520	0.1811	0.8690	1.7434
60 mph	0.0600	0.0001	0.0181	0.0140	0.4357	0.3006	7.3248	34.8946	43.0478
65 mph	0.0104	0.0000	0.0031	0.0025	0.0914	0.0635	-	-	0.1709
70 mph	0.2137	0.0003	0.0624	0.0556	3.6121	2.4361	-	-	6.3801
total	3.5824	0.0043	1.0887	0.8085	23.7196	15.9552	31.9533	139.5605	216.6725

CO Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								23.0905	23.0905
15 mph								5.4202	5.4202
20 mph								7.8415	7.8415
25 mph								31.6088	31.6088
30 mph								21.1792	21.1792
35 mph								7.0249	7.0249
40 mph								5.7538	5.7538
45 mph								3.3936	3.3936
50 mph								4.0665	4.0665
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	109.3791	109.3791

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								12.2467	12.2467
25 mph								15.7074	15.7074
30 mph								19.8464	19.8464
35 mph								14.6286	14.6286
40 mph								9.8849	9.8849
45 mph								5.3001	5.3001
50 mph								1.9542	1.9542
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	62.4290	62.4290

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.4645	1.4645
15 mph								5.2813	5.2813
25 mph								12.6943	12.6943
35 mph								-	-
total	-	-	-	-	-	-	-	19.4401	19.4401

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								1.4645	1.4645
10 mph								23.0905	23.0905
15 mph								10.7015	10.7015
20 mph								20.0882	20.0882
25 mph								60.0105	60.0105
30 mph								41.0256	41.0256
35 mph								21.6535	21.6535
40 mph								15.6387	15.6387
45 mph								8.6937	8.6937
50 mph								6.0207	6.0207
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	208.3873	208.3873

CO Emissions

Total CO RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	21.6922	7.5251	28.5354	22.6557	80.4083
10 mph	28.7054	2.5225	13.5135	2.8083	5.1693	3.2589	2.7822	35.6256	94.3857
15 mph	19.9179	1.7732	9.4220	2.3070	2.3282	1.4081	1.0746	15.2174	53.4484
20 mph	19.2984	1.7321	9.1478	1.8206	1.1194	0.6148	1.9934	27.5584	63.2848
25 mph	79.7514	7.1615	37.7583	7.3877	4.4372	2.2818	6.5134	84.2977	229.5890
30 mph	85.4437	7.6620	40.3581	7.9539	3.3755	1.6772	4.8904	58.5981	209.9589
35 mph	186.4367	16.6919	87.8034	12.4950	3.1059	1.5037	2.8251	31.3536	342.2153
40 mph	39.9771	3.5812	18.8265	3.9466	1.6963	0.8066	2.2510	22.9781	94.0635
45 mph	30.3728	2.7225	14.3018	2.9926	1.2451	0.5857	1.4141	13.0753	66.7100
50 mph	30.2613	2.7156	14.2402	2.9928	1.2416	0.5828	1.1617	9.4892	62.6852
55 mph	18.5112	1.6620	8.7133	1.8095	0.7320	0.3448	0.3482	1.0578	33.1787
60 mph	22.2235	2.0002	10.4835	2.0968	0.8336	0.4017	12.9545	41.2549	92.2486
65 mph	3.5384	0.3195	1.6692	0.3445	0.1611	0.0812	-	-	6.1138
70 mph	69.7105	6.3785	32.3934	7.3328	5.3414	2.8466	-	-	124.0032
STREX	86.8509	6.9793	42.7338	12.7360	4.0323	1.1392	3.9611	0.0587	158.4912
total	720.9990	63.9018	341.3647	69.0242	56.5111	25.0583	70.7050	363.2205	**1,710.7848**

EMFAC2017 STREX Emission Factors (g/trip) - CO

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.4953	1.5723	1.9555	2.0280	1.4155	1.3765	2.9853	4.7701
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	86.8509	6.9793	42.7338	12.7360	4.0323	1.1392	3.9611	0.0587
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	86.8509	6.9793	42.7338	12.7360	4.0323	1.1392	3.9611	0.0587

World Logistics Center
Mobile Emissions - 2035 Buildout (Project) - Mitigated
SO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - SO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0493	0.0493	0.1240	0.1877
10 mph	0.0039	0.0046	0.0045	0.0056	0.0128	0.0148	0.0262	0.0305
15 mph	0.0032	0.0037	0.0037	0.0045	0.0105	0.0121	0.0215	0.0251
20 mph	0.0026	0.0031	0.0031	0.0038	0.0087	0.0101	0.0178	0.0209
25 mph	0.0023	0.0027	0.0026	0.0032	0.0075	0.0086	0.0153	0.0179
30 mph	0.0020	0.0024	0.0023	0.0029	0.0066	0.0076	0.0136	0.0159
35 mph	0.0019	0.0022	0.0022	0.0027	0.0061	0.0071	0.0126	0.0147
40 mph	0.0018	0.0021	0.0021	0.0026	0.0059	0.0069	0.0122	0.0142
45 mph	0.0018	0.0021	0.0021	0.0026	0.0060	0.0069	0.0122	0.0142
50 mph	0.0019	0.0022	0.0022	0.0027	0.0061	0.0071	0.0126	0.0146
55 mph	0.0019	0.0023	0.0023	0.0028	0.0064	0.0074	0.0131	0.0152
60 mph	0.0020	0.0023	0.0023	0.0029	0.0066	0.0077	0.0136	0.0157
65 mph	0.0020	0.0024	0.0024	0.0029	0.0068	0.0079		
70 mph	0.0021	0.0024	0.0024	0.0030	0.0069	0.0080		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0306	0.0496	0.0511	0.0466
10 mph	0.0032	0.0064	0.0042	0.0053	0.0079	0.0089	0.0153	0.0218
15 mph	0.0026	0.0054	0.0035	0.0045	0.0052	0.0059	0.0121	0.0170
20 mph	0.0021	0.0044	0.0029	0.0037	0.0044	0.0050	0.0103	0.0147
25 mph	0.0018	0.0037	0.0024	0.0031	0.0039	0.0045	0.0090	0.0122
30 mph	0.0016	0.0032	0.0021	0.0027	0.0036	0.0041	0.0079	0.0107
35 mph	0.0014	0.0028	0.0019	0.0025	0.0036	0.0041	0.0071	0.0096
40 mph	0.0013	0.0026	0.0018	0.0023	0.0035	0.0039	0.0065	0.0088
45 mph	0.0013	0.0025	0.0017	0.0022	0.0034	0.0038	0.0061	0.0084
50 mph	0.0013	0.0025	0.0017	0.0022	0.0035	0.0039	0.0060	0.0082
55 mph	0.0013	0.0027	0.0018	0.0024	0.0037	0.0040	0.0062	0.0086
60 mph	0.0014	0.0029	0.0019	0.0025	0.0037	0.0040	0.0066	0.0091
65 mph	0.0016	0.0032	0.0022	0.0029	0.0038	0.0041		
70 mph	0.0018	0.0033	0.0023	0.0031	0.0038	0.0041		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								-
10 mph								-
15 mph								-
20 mph								-
25 mph								-
30 mph								-
35 mph								-
40 mph								-
45 mph								-
50 mph								-
55 mph								-
60 mph								-
65 mph								
70 mph								

SO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1353	0.0122	0.0595	0.0137	0.0186	0.0062	0.0218	0.0002	0.2674
15 mph	0.0442	0.0040	0.0195	0.0045	0.0061	0.0020	0.0059	0.0001	0.0863
20 mph	0.0736	0.0066	0.0324	0.0075	0.0101	0.0034	0.0099	0.0001	0.1435
25 mph	0.3144	0.0283	0.1384	0.0319	0.0431	0.0144	0.0464	0.0005	0.6176
30 mph	0.3070	0.0276	0.1351	0.0312	0.0421	0.0141	0.0375	0.0004	0.5950
35 mph	0.2330	0.0209	0.1025	0.0237	0.0320	0.0107	0.0157	0.0002	0.4386
40 mph	0.0752	0.0068	0.0331	0.0076	0.0103	0.0035	0.0168	0.0002	0.1535
45 mph	0.0630	0.0057	0.0277	0.0064	0.0086	0.0029	0.0135	0.0001	0.1280
50 mph	0.0649	0.0058	0.0285	0.0066	0.0089	0.0030	0.0226	0.0002	0.1406
55 mph	0.0539	0.0048	0.0237	0.0055	0.0074	0.0025	0.0054	0.0001	0.1033
60 mph	0.1110	0.0100	0.0489	0.0113	0.0154	0.0052	0.0056	0.0001	0.2075
65 mph	0.0142	0.0013	0.0063	0.0015	0.0020	0.0007	-	-	0.0259
70 mph	-	-	-	-	-	-	-	-	-
total	1.4898	0.1340	0.6557	0.1513	0.2046	0.0685	0.2012	0.0022	2.9072

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0209	0.0019	0.0092	0.0024	0.0043	0.0014	-	-	0.0400
15 mph	0.0171	0.0015	0.0075	0.0020	0.0035	0.0012	-	-	0.0327
20 mph	0.0142	0.0013	0.0062	0.0016	0.0029	0.0010	0.0154	0.0002	0.0428
25 mph	0.0242	0.0022	0.0107	0.0028	0.0049	0.0017	0.0231	0.0003	0.0698
30 mph	0.0430	0.0039	0.0189	0.0050	0.0088	0.0029	0.0351	0.0004	0.1181
35 mph	0.0898	0.0081	0.0395	0.0105	0.0183	0.0061	0.0326	0.0004	0.2053
40 mph	0.0967	0.0087	0.0425	0.0113	0.0197	0.0066	0.0289	0.0003	0.2147
45 mph	0.0778	0.0070	0.0342	0.0090	0.0158	0.0053	0.0211	0.0002	0.1705
50 mph	0.0901	0.0081	0.0396	0.0105	0.0183	0.0061	0.0109	0.0001	0.1837
55 mph	0.0520	0.0047	0.0229	0.0061	0.0106	0.0035	0.0056	0.0001	0.1054
60 mph	0.0321	0.0029	0.0142	0.0038	0.0066	0.0022	0.4111	0.0044	0.4773
65 mph	0.0110	0.0010	0.0048	0.0013	0.0023	0.0008	-	-	0.0211
70 mph	0.5119	0.0460	0.2254	0.0602	0.1057	0.0353	-	-	0.9845
total	1.0808	0.0972	0.4756	0.1264	0.2218	0.0742	0.5839	0.0063	2.6660

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0058	0.0017	0.0069	0.0001	0.0145
15 mph	0.0374	0.0034	0.0165	0.0059	0.0063	0.0021	0.0058	0.0001	0.0774
25 mph	-	-	-	-	0.0144	0.0048	0.0186	0.0002	0.0380
35 mph	0.4442	0.0399	0.1955	0.0231	-	-	-	-	0.7027
total	0.4816	0.0433	0.2119	0.0290	0.0265	0.0086	0.0313	0.0004	0.8326

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0058	0.0017	0.0069	0.0001	0.0145
10 mph	0.1561	0.0140	0.0687	0.0161	0.0228	0.0076	0.0218	0.0002	0.3075
15 mph	0.0987	0.0089	0.0434	0.0124	0.0158	0.0053	0.0117	0.0001	0.1964
20 mph	0.0877	0.0079	0.0386	0.0091	0.0130	0.0044	0.0253	0.0003	0.1863
25 mph	0.3387	0.0305	0.1491	0.0347	0.0625	0.0209	0.0882	0.0010	0.7254
30 mph	0.3500	0.0315	0.1541	0.0362	0.0509	0.0170	0.0726	0.0008	0.7131
35 mph	0.7670	0.0690	0.3375	0.0572	0.0503	0.0168	0.0483	0.0005	1.3465
40 mph	0.1719	0.0155	0.0756	0.0189	0.0300	0.0101	0.0457	0.0005	0.3682
45 mph	0.1408	0.0127	0.0619	0.0154	0.0245	0.0082	0.0346	0.0004	0.2985
50 mph	0.1550	0.0139	0.0682	0.0171	0.0272	0.0091	0.0335	0.0004	0.3243
55 mph	0.1059	0.0095	0.0466	0.0115	0.0180	0.0060	0.0111	0.0001	0.2088
60 mph	0.1431	0.0129	0.0631	0.0151	0.0220	0.0074	0.4168	0.0045	0.6848
65 mph	0.0252	0.0023	0.0111	0.0027	0.0043	0.0014	-	-	0.0470
70 mph	0.5119	0.0460	0.2254	0.0602	0.1057	0.0353	-	-	0.9845
total	3.0522	0.2744	1.3433	0.3067	0.4528	0.1513	0.8164	0.0089	6.4058

SO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0013	0.0000	0.0005	0.0004	0.0121	0.0090	0.0762	0.1968	0.2963
15 mph	0.0004	0.0000	0.0002	0.0001	0.0032	0.0024	0.0200	0.0510	0.0773
20 mph	0.0007	0.0000	0.0003	0.0002	0.0054	0.0041	0.0341	0.0883	0.1331
25 mph	0.0030	0.0000	0.0012	0.0010	0.0238	0.0181	0.1637	0.4028	0.6136
30 mph	0.0028	0.0000	0.0012	0.0010	0.0238	0.0180	0.1306	0.3218	0.4992
35 mph	0.0021	0.0000	0.0009	0.0007	0.0195	0.0147	0.0525	0.1297	0.2201
40 mph	0.0007	0.0000	0.0003	0.0002	0.0063	0.0047	0.0535	0.1324	0.1981
45 mph	0.0005	0.0000	0.0002	0.0002	0.0052	0.0038	0.0406	0.1008	0.1512
50 mph	0.0005	0.0000	0.0002	0.0002	0.0054	0.0039	0.0651	0.1610	0.2363
55 mph	0.0004	0.0000	0.0002	0.0002	0.0045	0.0033	0.0155	0.0387	0.0627
60 mph	0.0010	0.0000	0.0004	0.0003	0.0091	0.0065	0.0165	0.0410	0.0749
65 mph	0.0001	0.0000	0.0001	0.0000	0.0012	0.0008	-	-	0.0022
70 mph	-	-	-	-	-	-	-	-	-
total	0.0135	0.0000	0.0056	0.0047	0.1195	0.0892	0.6681	1.6643	2.5651

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0002	0.0000	0.0001	0.0001	0.0028	0.0021	-	-	0.0052
15 mph	0.0002	0.0000	0.0001	0.0001	0.0018	0.0014	-	-	0.0035
20 mph	0.0001	0.0000	0.0001	0.0001	0.0015	0.0012	0.0533	0.1380	0.1942
25 mph	0.0002	0.0000	0.0001	0.0001	0.0027	0.0021	0.0813	0.2001	0.2867
30 mph	0.0004	0.0000	0.0002	0.0002	0.0050	0.0037	0.1224	0.3016	0.4334
35 mph	0.0008	0.0000	0.0003	0.0003	0.0112	0.0084	0.1094	0.2700	0.4005
40 mph	0.0008	0.0000	0.0003	0.0003	0.0121	0.0090	0.0919	0.2275	0.3421
45 mph	0.0006	0.0000	0.0003	0.0003	0.0095	0.0070	0.0634	0.1574	0.2383
50 mph	0.0007	0.0000	0.0003	0.0003	0.0112	0.0081	0.0313	0.0774	0.1292
55 mph	0.0004	0.0000	0.0002	0.0002	0.0065	0.0047	0.0161	0.0403	0.0682
60 mph	0.0003	0.0000	0.0001	0.0001	0.0039	0.0028	1.2030	2.9900	4.2003
65 mph	0.0001	0.0000	0.0000	0.0000	0.0013	0.0009	-	-	0.0025
70 mph	0.0052	0.0000	0.0021	0.0021	0.0616	0.0438	-	-	0.1148
total	0.0101	0.0000	0.0042	0.0041	0.1311	0.0952	1.7720	4.4022	6.4188

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0038	0.0041	0.0169	0.0280	0.0528
15 mph	0.0004	0.0000	0.0002	0.0002	0.0032	0.0025	0.0194	0.0497	0.0756
25 mph	-	-	-	-	0.0079	0.0060	0.0657	0.1617	0.2414
35 mph	0.0040	0.0000	0.0017	0.0007	-	-	-	-	0.0064
total	0.0043	0.0000	0.0018	0.0009	0.0150	0.0126	0.1021	0.2394	0.3762

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0038	0.0041	0.0169	0.0280	0.0528
10 mph	0.0015	0.0000	0.0006	0.0005	0.0149	0.0110	0.0762	0.1968	0.3015
15 mph	0.0010	0.0000	0.0004	0.0004	0.0082	0.0062	0.0394	0.1007	0.1563
20 mph	0.0008	0.0000	0.0004	0.0003	0.0069	0.0052	0.0874	0.2263	0.3273
25 mph	0.0032	0.0000	0.0013	0.0011	0.0345	0.0262	0.3107	0.7646	1.1417
30 mph	0.0032	0.0000	0.0013	0.0011	0.0288	0.0217	0.2531	0.6234	0.9327
35 mph	0.0069	0.0000	0.0029	0.0018	0.0307	0.0232	0.1619	0.3997	0.6270
40 mph	0.0015	0.0000	0.0006	0.0006	0.0184	0.0138	0.1454	0.3599	0.5402
45 mph	0.0012	0.0000	0.0005	0.0004	0.0146	0.0107	0.1039	0.2581	0.3895
50 mph	0.0013	0.0000	0.0005	0.0005	0.0166	0.0121	0.0963	0.2384	0.3656
55 mph	0.0009	0.0000	0.0004	0.0003	0.0110	0.0079	0.0315	0.0789	0.1309
60 mph	0.0012	0.0000	0.0005	0.0005	0.0130	0.0093	1.2196	3.0310	4.2751
65 mph	0.0002	0.0000	0.0001	0.0001	0.0025	0.0018	-	-	0.0047
70 mph	0.0052	0.0000	0.0021	0.0021	0.0616	0.0438	-	-	0.1148
total	0.0280	0.0001	0.0116	0.0097	0.2656	0.1970	2.5422	6.3058	9.3600

SO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	
45 mph									-	
50 mph									-	
55 mph									-	
60 mph									-	
65 mph									-	
70 mph									-	
total	-	-	-	-	-	-	-	-	-	

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	
45 mph									-	
50 mph									-	
55 mph									-	
60 mph									-	
65 mph									-	
70 mph									-	
total	-	-	-	-	-	-	-	-	-	

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
15 mph									-	-
25 mph									-	-
35 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total	
Idle (hours)									-	-
10 mph									-	-
15 mph									-	-
20 mph									-	-
25 mph									-	-
30 mph									-	-
35 mph									-	-
40 mph									-	-
45 mph									-	-
50 mph									-	-
55 mph									-	-
60 mph									-	-
65 mph									-	-
70 mph									-	-
total	-	-	-	-	-	-	-	-	-	-

SO2 Emissions

Total SO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0097	0.0058	0.0238	0.0281	0.0673
10 mph	0.1576	0.0140	0.0693	0.0167	0.0377	0.0187	0.0979	0.1970	0.6090
15 mph	0.0997	0.0089	0.0438	0.0128	0.0240	0.0115	0.0511	0.1008	0.3526
20 mph	0.0886	0.0079	0.0390	0.0094	0.0199	0.0096	0.1127	0.2266	0.5136
25 mph	0.3419	0.0305	0.1504	0.0359	0.0970	0.0471	0.3989	0.7656	1.8672
30 mph	0.3533	0.0315	0.1554	0.0373	0.0797	0.0388	0.3257	0.6241	1.6458
35 mph	0.7738	0.0690	0.3404	0.0590	0.0810	0.0400	0.2101	0.4002	1.9735
40 mph	0.1734	0.0155	0.0763	0.0195	0.0485	0.0238	0.1911	0.3604	0.9084
45 mph	0.1420	0.0127	0.0624	0.0159	0.0391	0.0189	0.1386	0.2585	0.6880
50 mph	0.1563	0.0139	0.0687	0.0176	0.0438	0.0212	0.1298	0.2387	0.6899
55 mph	0.1068	0.0095	0.0469	0.0119	0.0290	0.0139	0.0426	0.0790	0.3397
60 mph	0.1444	0.0129	0.0636	0.0155	0.0350	0.0167	1.6363	3.0355	4.9599
65 mph	0.0254	0.0023	0.0112	0.0028	0.0067	0.0032	-	-	0.0517
70 mph	0.5171	0.0460	0.2275	0.0622	0.1673	0.0791	-	-	1.0993
STREX	0.0237	0.0021	0.0107	0.0038	0.0005	0.0002	0.0004	0.0000	0.0414
total	3.1039	0.2766	1.3656	0.3202	0.7188	0.3484	3.3590	6.3147	**15.8073**

EMFAC2017 STREX Emission Factors (g/trip) - SO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0004	0.0005	0.0005	0.0006	0.0002	0.0002	0.0003	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0237	0.0021	0.0107	0.0038	0.0005	0.0002	0.0004	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0237	0.0021	0.0107	0.0038	0.0005	0.0002	0.0004	0.0000

World Logistics Center
Mobile Emissions - 2035 Buildout (Project) - Mitigated
PM10 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM10

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0383	0.0372	0.0379	0.0387
10 mph	0.0031	0.0036	0.0033	0.0034	0.0048	0.0047	0.0048	0.0049
15 mph	0.0021	0.0024	0.0022	0.0023	0.0032	0.0031	0.0032	0.0032
20 mph	0.0014	0.0017	0.0015	0.0016	0.0022	0.0022	0.0022	0.0023
25 mph	0.0011	0.0012	0.0011	0.0012	0.0017	0.0016	0.0016	0.0017
30 mph	0.0008	0.0010	0.0009	0.0009	0.0013	0.0013	0.0013	0.0013
35 mph	0.0007	0.0008	0.0007	0.0007	0.0011	0.0010	0.0010	0.0011
40 mph	0.0006	0.0007	0.0006	0.0007	0.0009	0.0009	0.0009	0.0009
45 mph	0.0005	0.0006	0.0006	0.0006	0.0008	0.0008	0.0008	0.0009
50 mph	0.0005	0.0006	0.0006	0.0006	0.0008	0.0008	0.0008	0.0008
55 mph	0.0005	0.0006	0.0006	0.0006	0.0008	0.0008	0.0008	0.0008
60 mph	0.0006	0.0007	0.0006	0.0006	0.0009	0.0009	0.0009	0.0009
65 mph	0.0006	0.0007	0.0007	0.0006	0.0010	0.0010		
70 mph	0.0007	0.0008	0.0007	0.0008	0.0011	0.0011		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7943	0.7957	0.0073	0.0101
10 mph	0.0024	0.0223	0.0087	0.0029	0.0159	0.0283	0.0043	0.0106
15 mph	0.0021	0.0177	0.0076	0.0025	0.0130	0.0239	0.0034	0.0082
20 mph	0.0017	0.0140	0.0065	0.0021	0.0111	0.0202	0.0029	0.0060
25 mph	0.0015	0.0113	0.0055	0.0018	0.0093	0.0172	0.0028	0.0062
30 mph	0.0013	0.0094	0.0049	0.0016	0.0083	0.0152	0.0030	0.0067
35 mph	0.0012	0.0079	0.0044	0.0015	0.0075	0.0138	0.0036	0.0081
40 mph	0.0011	0.0072	0.0041	0.0014	0.0070	0.0127	0.0047	0.0105
45 mph	0.0010	0.0068	0.0038	0.0013	0.0065	0.0118	0.0061	0.0137
50 mph	0.0010	0.0064	0.0035	0.0012	0.0062	0.0111	0.0078	0.0175
55 mph	0.0009	0.0064	0.0033	0.0011	0.0059	0.0105	0.0100	0.0230
60 mph	0.0009	0.0067	0.0032	0.0011	0.0058	0.0104	0.0125	0.0284
65 mph	0.0009	0.0068	0.0032	0.0011	0.0061	0.0107		
70 mph	0.0010	0.0046	0.0032	0.0012	0.0082	0.0125		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0213
10 mph								0.0054
15 mph								0.0045
20 mph								0.0039
25 mph								0.0036
30 mph								0.0033
35 mph								0.0031
40 mph								0.0029
45 mph								0.0028
50 mph								0.0027
55 mph								-
60 mph								-
65 mph								
70 mph								

PM10 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1080	0.0096	0.0434	0.0084	0.0070	0.0020	0.0040	0.0000	0.1823
15 mph	0.0286	0.0025	0.0115	0.0022	0.0019	0.0005	0.0009	0.0000	0.0482
20 mph	0.0401	0.0036	0.0162	0.0031	0.0026	0.0007	0.0012	0.0000	0.0675
25 mph	0.1480	0.0132	0.0596	0.0116	0.0096	0.0027	0.0050	0.0000	0.2497
30 mph	0.1268	0.0113	0.0511	0.0099	0.0082	0.0023	0.0035	0.0000	0.2132
35 mph	0.0853	0.0076	0.0343	0.0067	0.0055	0.0016	0.0013	0.0000	0.1422
40 mph	0.0247	0.0022	0.0099	0.0019	0.0016	0.0004	0.0013	0.0000	0.0420
45 mph	0.0188	0.0017	0.0076	0.0015	0.0012	0.0003	0.0009	0.0000	0.0320
50 mph	0.0182	0.0016	0.0073	0.0014	0.0012	0.0003	0.0014	0.0000	0.0314
55 mph	0.0148	0.0013	0.0059	0.0012	0.0010	0.0003	0.0003	0.0000	0.0248
60 mph	0.0318	0.0028	0.0127	0.0025	0.0021	0.0006	0.0004	0.0000	0.0528
65 mph	0.0045	0.0004	0.0018	0.0003	0.0003	0.0001	-	-	0.0074
70 mph	-	-	-	-	-	-	-	-	-
total	0.6496	0.0577	0.2613	0.0506	0.0421	0.0118	0.0202	0.0002	1.0936

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0167	0.0015	0.0067	0.0015	0.0016	0.0005	-	-	0.0284
15 mph	0.0110	0.0010	0.0044	0.0010	0.0011	0.0003	-	-	0.0188
20 mph	0.0077	0.0007	0.0031	0.0007	0.0007	0.0002	0.0019	0.0000	0.0151
25 mph	0.0114	0.0010	0.0046	0.0010	0.0011	0.0003	0.0025	0.0000	0.0220
30 mph	0.0178	0.0016	0.0072	0.0016	0.0017	0.0005	0.0033	0.0000	0.0337
35 mph	0.0329	0.0029	0.0132	0.0029	0.0032	0.0009	0.0027	0.0000	0.0588
40 mph	0.0317	0.0028	0.0127	0.0028	0.0031	0.0009	0.0022	0.0000	0.0562
45 mph	0.0232	0.0021	0.0093	0.0021	0.0022	0.0006	0.0014	0.0000	0.0410
50 mph	0.0252	0.0022	0.0101	0.0023	0.0024	0.0007	0.0007	0.0000	0.0436
55 mph	0.0143	0.0013	0.0057	0.0013	0.0014	0.0004	0.0004	0.0000	0.0246
60 mph	0.0092	0.0008	0.0037	0.0008	0.0009	0.0002	0.0267	0.0003	0.0425
65 mph	0.0035	0.0003	0.0014	0.0003	0.0003	0.0001	-	-	0.0059
70 mph	0.1758	0.0153	0.0687	0.0155	0.0167	0.0047	-	-	0.2967
total	0.3804	0.0334	0.1509	0.0338	0.0364	0.0102	0.0417	0.0004	0.6873

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0046	0.0013	0.0021	0.0000	0.0080
15 mph	0.0242	0.0022	0.0098	0.0029	0.0019	0.0005	0.0009	0.0000	0.0424
25 mph	-	-	-	-	0.0032	0.0009	0.0020	0.0000	0.0061
35 mph	0.1626	0.0144	0.0654	0.0065	-	-	-	-	0.2489
total	0.1868	0.0166	0.0751	0.0094	0.0097	0.0027	0.0050	0.0001	0.3054

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0046	0.0013	0.0021	0.0000	0.0080
10 mph	0.1246	0.0110	0.0501	0.0099	0.0086	0.0024	0.0040	0.0000	0.2107
15 mph	0.0639	0.0057	0.0257	0.0062	0.0048	0.0014	0.0017	0.0000	0.1094
20 mph	0.0478	0.0043	0.0193	0.0038	0.0033	0.0009	0.0032	0.0000	0.0827
25 mph	0.1595	0.0142	0.0642	0.0126	0.0139	0.0039	0.0095	0.0001	0.2778
30 mph	0.1446	0.0129	0.0582	0.0115	0.0099	0.0028	0.0068	0.0001	0.2468
35 mph	0.2808	0.0249	0.1129	0.0161	0.0087	0.0024	0.0040	0.0000	0.4499
40 mph	0.0564	0.0050	0.0226	0.0048	0.0047	0.0013	0.0034	0.0000	0.0982
45 mph	0.0420	0.0037	0.0169	0.0035	0.0035	0.0010	0.0024	0.0000	0.0730
50 mph	0.0434	0.0038	0.0174	0.0037	0.0036	0.0010	0.0021	0.0000	0.0750
55 mph	0.0291	0.0026	0.0117	0.0024	0.0023	0.0007	0.0007	0.0000	0.0494
60 mph	0.0410	0.0036	0.0164	0.0033	0.0029	0.0008	0.0270	0.0003	0.0954
65 mph	0.0080	0.0007	0.0032	0.0006	0.0006	0.0002	-	-	0.0133
70 mph	0.1758	0.0153	0.0687	0.0155	0.0167	0.0047	-	-	0.2967
total	1.2168	0.1077	0.4874	0.0938	0.0882	0.0248	0.0669	0.0006	2.0863

PM10 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0010	0.0000	0.0011	0.0002	0.0243	0.0285	0.0214	0.0954	0.1719
15 mph	0.0003	0.0000	0.0004	0.0001	0.0079	0.0096	0.0056	0.0247	0.0487
20 mph	0.0006	0.0000	0.0007	0.0001	0.0135	0.0163	0.0096	0.0364	0.0771
25 mph	0.0025	0.0000	0.0028	0.0006	0.0569	0.0693	0.0502	0.2036	0.3860
30 mph	0.0024	0.0000	0.0028	0.0006	0.0554	0.0674	0.0498	0.2019	0.3803
35 mph	0.0018	0.0000	0.0020	0.0004	0.0413	0.0500	0.0272	0.1100	0.2328
40 mph	0.0005	0.0000	0.0006	0.0001	0.0127	0.0153	0.0386	0.1571	0.2250
45 mph	0.0004	0.0000	0.0005	0.0001	0.0099	0.0119	0.0401	0.1642	0.2271
50 mph	0.0004	0.0000	0.0005	0.0001	0.0094	0.0112	0.0843	0.3426	0.4486
55 mph	0.0003	0.0000	0.0003	0.0001	0.0071	0.0085	0.0248	0.1035	0.1447
60 mph	0.0006	0.0000	0.0007	0.0001	0.0142	0.0167	0.0312	0.1278	0.1913
65 mph	0.0001	0.0000	0.0001	0.0000	0.0019	0.0021	-	-	0.0042
70 mph	-	-	-	-	-	-	-	-	-
total	0.0109	0.0001	0.0124	0.0027	0.2545	0.3071	0.3828	1.5673	2.5377

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0002	0.0000	0.0002	0.0000	0.0056	0.0065	-	-	0.0125
15 mph	0.0001	0.0000	0.0001	0.0000	0.0046	0.0055	-	-	0.0104
20 mph	0.0001	0.0000	0.0001	0.0000	0.0039	0.0047	0.0150	0.0568	0.0806
25 mph	0.0002	0.0000	0.0002	0.0001	0.0065	0.0080	0.0250	0.1012	0.1411
30 mph	0.0003	0.0000	0.0004	0.0001	0.0116	0.0141	0.0467	0.1892	0.2623
35 mph	0.0007	0.0000	0.0008	0.0002	0.0237	0.0287	0.0565	0.2291	0.3397
40 mph	0.0007	0.0000	0.0008	0.0002	0.0243	0.0293	0.0662	0.2700	0.3915
45 mph	0.0005	0.0000	0.0006	0.0001	0.0182	0.0218	0.0626	0.2565	0.3604
50 mph	0.0005	0.0000	0.0006	0.0002	0.0195	0.0232	0.0405	0.1647	0.2492
55 mph	0.0003	0.0000	0.0003	0.0001	0.0102	0.0122	0.0259	0.1077	0.1567
60 mph	0.0002	0.0000	0.0002	0.0000	0.0061	0.0072	2.2705	9.3169	11.6010
65 mph	0.0001	0.0000	0.0001	0.0000	0.0021	0.0025	-	-	0.0047
70 mph	0.0028	0.0000	0.0029	0.0008	0.1324	0.1324	-	-	0.2714
total	0.0067	0.0000	0.0074	0.0019	0.2686	0.2959	2.6089	10.6920	13.8814

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0993	0.0658	0.0024	0.0061	0.1735
15 mph	0.0003	0.0000	0.0003	0.0001	0.0082	0.0099	0.0055	0.0240	0.0483
25 mph	-	-	-	-	0.0189	0.0231	0.0202	0.0818	0.1440
35 mph	0.0034	0.0000	0.0039	0.0004	-	-	-	-	0.0077
total	0.0037	0.0000	0.0042	0.0005	0.1264	0.0988	0.0281	0.1118	0.3736

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0993	0.0658	0.0024	0.0061	0.1735
10 mph	0.0011	0.0000	0.0013	0.0003	0.0298	0.0351	0.0214	0.0954	0.1844
15 mph	0.0008	0.0000	0.0009	0.0002	0.0207	0.0250	0.0111	0.0487	0.1074
20 mph	0.0007	0.0000	0.0008	0.0002	0.0174	0.0210	0.0245	0.0931	0.1577
25 mph	0.0027	0.0000	0.0030	0.0007	0.0823	0.1004	0.0954	0.3865	0.6710
30 mph	0.0027	0.0000	0.0031	0.0007	0.0670	0.0815	0.0966	0.3911	0.6427
35 mph	0.0058	0.0000	0.0067	0.0011	0.0650	0.0786	0.0837	0.3391	0.5802
40 mph	0.0012	0.0000	0.0014	0.0003	0.0370	0.0446	0.1048	0.4271	0.6165
45 mph	0.0009	0.0000	0.0011	0.0003	0.0281	0.0337	0.1027	0.4207	0.5875
50 mph	0.0009	0.0000	0.0011	0.0003	0.0289	0.0344	0.1249	0.5073	0.6977
55 mph	0.0006	0.0000	0.0007	0.0002	0.0174	0.0207	0.0507	0.2112	0.3014
60 mph	0.0008	0.0000	0.0009	0.0002	0.0203	0.0240	2.3016	9.4447	11.7923
65 mph	0.0001	0.0000	0.0001	0.0000	0.0040	0.0046	-	-	0.0089
70 mph	0.0028	0.0000	0.0029	0.0008	0.1324	0.1324	-	-	0.2714
total	0.0212	0.0001	0.0240	0.0051	0.6495	0.7018	3.0197	12.3711	16.7927

PM10 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0034	0.0034
15 mph								0.0010	0.0010
20 mph								0.0017	0.0017
25 mph								0.0083	0.0083
30 mph								0.0070	0.0070
35 mph								0.0029	0.0029
40 mph								0.0031	0.0031
45 mph								0.0024	0.0024
50 mph								0.0038	0.0038
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0336	0.0336

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0026	0.0026
25 mph								0.0041	0.0041
30 mph								0.0066	0.0066
35 mph								0.0061	0.0061
40 mph								0.0053	0.0053
45 mph								0.0037	0.0037
50 mph								0.0018	0.0018
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0194	0.0194

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
15 mph								0.0009	0.0009
25 mph								0.0033	0.0033
35 mph								-	-
total	-	-	-	-	-	-	-	0.0052	0.0052

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
10 mph								0.0034	0.0034
15 mph								0.0019	0.0019
20 mph								0.0043	0.0043
25 mph								0.0158	0.0158
30 mph								0.0135	0.0135
35 mph								0.0091	0.0091
40 mph								0.0084	0.0084
45 mph								0.0061	0.0061
50 mph								0.0056	0.0056
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0691	0.0691

PM10 Emissions

Total PM10 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1038	0.0671	0.0045	0.0070	0.1824
10 mph	0.1258	0.0111	0.0514	0.0102	0.0384	0.0375	0.0253	0.0989	0.3985
15 mph	0.0646	0.0057	0.0266	0.0064	0.0255	0.0264	0.0128	0.0506	0.2187
20 mph	0.0485	0.0043	0.0201	0.0040	0.0207	0.0219	0.0277	0.0975	0.2446
25 mph	0.1621	0.0142	0.0673	0.0132	0.0962	0.1043	0.1049	0.4024	0.9646
30 mph	0.1474	0.0129	0.0614	0.0122	0.0769	0.0843	0.1034	0.4047	0.9031
35 mph	0.2866	0.0250	0.1196	0.0172	0.0737	0.0811	0.0877	0.3483	1.0392
40 mph	0.0576	0.0050	0.0241	0.0051	0.0417	0.0459	0.1082	0.4356	0.7231
45 mph	0.0430	0.0037	0.0180	0.0038	0.0316	0.0347	0.1050	0.4269	0.6666
50 mph	0.0443	0.0038	0.0185	0.0039	0.0325	0.0354	0.1270	0.5129	0.7784
55 mph	0.0297	0.0026	0.0123	0.0026	0.0197	0.0213	0.0514	0.2112	0.3508
60 mph	0.0417	0.0036	0.0173	0.0035	0.0232	0.0248	2.3286	9.4450	11.8877
65 mph	0.0081	0.0007	0.0033	0.0006	0.0046	0.0048	-	-	0.0222
70 mph	0.1786	0.0153	0.0716	0.0163	0.1491	0.1371	-	-	0.5681
STREX	0.0584	0.0051	0.0228	0.0068	0.0009	0.0003	0.0005	0.0000	0.0947
total	1.2964	0.1128	0.5342	0.1057	0.7387	0.7268	3.0872	12.4409	**19.0428**

EMFAC2017 STREX Emission Factors (g/trip) - PM10

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0010	0.0011	0.0010	0.0011	0.0003	0.0003	0.0004	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0584	0.0051	0.0228	0.0068	0.0009	0.0003	0.0005	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0584	0.0051	0.0228	0.0068	0.0009	0.0003	0.0005	0.0000

PM10 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0120	0.0200
Total	0.0448	0.0448	0.0448	0.0448	0.0844	0.0972	0.1423	0.0817

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	0.0764	0.0892	0.1303	0.0608
Tires	0.0080	0.0080	0.0080	0.0080	0.0120	0.0120	0.0120	0.0354
Total	0.0448	0.0448	0.0448	0.0448	0.0884	0.1012	0.1423	0.0962

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0368	0.0368	0.0368	0.0368	-	-	-	0.0617
Tires	0.0080	0.0080	0.0080	0.0080	-	-	-	0.0360
Total	0.0448	0.0448	0.0448	0.0448	-	-	-	0.0977

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	31.2163	2.3857	11.7452	2.2090	2.4431	0.8169	1.9686	0.0105
Diesel	0.3696	0.0004	0.1143	0.0743	2.6950	2.0394	11.7793	14.4555
Electric/NG	1.7556	0.0740	0.4513	0.0931	-	-	-	1.0415
Total	33.3415	2.4600	12.3108	2.3764	5.1381	2.8562	13.7479	15.5074

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	24.0709	1.8396	9.0567	1.9517	2.8014	0.9366	6.1490	0.0327
Diesel	0.2850	0.0003	0.0882	0.0657	3.0903	2.3384	36.7935	45.1525
Electric/NG	1.3537	0.0570	0.3480	0.0822	-	-	-	3.2532
Total	25.7096	1.8969	9.4929	2.0996	5.8917	3.2751	42.9425	48.4385

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	11.2414	0.8591	4.2296	0.4460	0.2130	0.0712	0.2123	0.0011
Diesel	0.1331	0.0001	0.0412	0.0150	0.2350	0.1778	1.2703	1.5589
Electric/NG	0.6322	0.0266	0.1625	0.0188	-	-	-	0.1123
Total	12.0067	0.8859	4.4333	0.4798	0.4479	0.2490	1.4826	1.6723

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	66.5286	5.0843	25.0315	4.6067	5.4575	1.8247	8.3299	0.0444	116.9076
Diesel	0.7877	0.0008	0.2436	0.1550	6.0203	4.5556	49.8432	61.1669	122.7729
Electric/NG	3.7415	0.1576	0.9619	0.1941	-	-	-	4.4070	9.4621
Total	71.0578	5.2427	26.2370	4.9558	11.4778	6.3803	58.1730	65.6182	**249.1426**

Paved Road Dust (pounds/day)

Source	PM10
Off-Site	251.6960
Internal	351.5790
Total	**603.2750**

World Logistics Center
Mobile Emissions - 2035 Buildout (Project) - Mitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0353	0.0342	0.0348	0.0356
10 mph	0.0028	0.0033	0.0030	0.0031	0.0044	0.0043	0.0044	0.0045
15 mph	0.0019	0.0022	0.0020	0.0021	0.0029	0.0029	0.0029	0.0030
20 mph	0.0013	0.0015	0.0014	0.0015	0.0021	0.0020	0.0020	0.0021
25 mph	0.0010	0.0011	0.0010	0.0011	0.0015	0.0015	0.0015	0.0015
30 mph	0.0008	0.0009	0.0008	0.0008	0.0012	0.0012	0.0012	0.0012
35 mph	0.0006	0.0007	0.0007	0.0007	0.0010	0.0009	0.0010	0.0010
40 mph	0.0005	0.0006	0.0006	0.0006	0.0008	0.0008	0.0008	0.0009
45 mph	0.0005	0.0006	0.0005	0.0005	0.0008	0.0007	0.0008	0.0008
50 mph	0.0005	0.0006	0.0005	0.0005	0.0007	0.0007	0.0007	0.0008
55 mph	0.0005	0.0006	0.0005	0.0005	0.0008	0.0007	0.0008	0.0008
60 mph	0.0005	0.0006	0.0006	0.0006	0.0008	0.0008	0.0008	0.0008
65 mph	0.0006	0.0007	0.0006	0.0007	0.0009	0.0009		
70 mph	0.0007	0.0007	0.0007	0.0007	0.0010	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7599	0.7612	0.0070	0.0096
10 mph	0.0023	0.0213	0.0083	0.0028	0.0152	0.0271	0.0041	0.0101
15 mph	0.0020	0.0169	0.0072	0.0024	0.0125	0.0228	0.0033	0.0079
20 mph	0.0017	0.0134	0.0062	0.0020	0.0106	0.0194	0.0028	0.0058
25 mph	0.0014	0.0108	0.0053	0.0017	0.0089	0.0165	0.0026	0.0059
30 mph	0.0013	0.0090	0.0047	0.0016	0.0079	0.0146	0.0029	0.0064
35 mph	0.0011	0.0076	0.0042	0.0014	0.0072	0.0132	0.0035	0.0078
40 mph	0.0010	0.0069	0.0039	0.0013	0.0067	0.0121	0.0045	0.0100
45 mph	0.0010	0.0065	0.0036	0.0012	0.0062	0.0113	0.0058	0.0131
50 mph	0.0009	0.0061	0.0034	0.0011	0.0059	0.0107	0.0075	0.0168
55 mph	0.0009	0.0062	0.0032	0.0011	0.0056	0.0101	0.0096	0.0220
60 mph	0.0008	0.0065	0.0031	0.0010	0.0056	0.0099	0.0120	0.0271
65 mph	0.0009	0.0065	0.0031	0.0011	0.0058	0.0102		
70 mph	0.0009	0.0044	0.0031	0.0012	0.0079	0.0119		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0203
10 mph								0.0051
15 mph								0.0043
20 mph								0.0038
25 mph								0.0034
30 mph								0.0031
35 mph								0.0029
40 mph								0.0028
45 mph								0.0027
50 mph								0.0026
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0993	0.0088	0.0399	0.0077	0.0064	0.0018	0.0037	0.0000	0.1676
15 mph	0.0263	0.0023	0.0106	0.0021	0.0017	0.0005	0.0008	0.0000	0.0443
20 mph	0.0369	0.0033	0.0149	0.0029	0.0024	0.0007	0.0011	0.0000	0.0621
25 mph	0.1361	0.0121	0.0548	0.0106	0.0088	0.0025	0.0046	0.0000	0.2296
30 mph	0.1166	0.0104	0.0470	0.0091	0.0076	0.0021	0.0032	0.0000	0.1960
35 mph	0.0784	0.0070	0.0315	0.0061	0.0051	0.0014	0.0012	0.0000	0.1308
40 mph	0.0227	0.0020	0.0091	0.0018	0.0015	0.0004	0.0012	0.0000	0.0386
45 mph	0.0173	0.0015	0.0069	0.0013	0.0011	0.0003	0.0008	0.0000	0.0294
50 mph	0.0167	0.0015	0.0067	0.0013	0.0011	0.0003	0.0013	0.0000	0.0289
55 mph	0.0136	0.0012	0.0055	0.0011	0.0009	0.0002	0.0003	0.0000	0.0228
60 mph	0.0292	0.0026	0.0117	0.0023	0.0019	0.0005	0.0003	0.0000	0.0486
65 mph	0.0041	0.0004	0.0017	0.0003	0.0003	0.0001	-	-	0.0068
70 mph	-	-	-	-	-	-	-	-	-
total	0.5973	0.0530	0.2403	0.0466	0.0387	0.0109	0.0186	0.0002	1.0056

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0153	0.0014	0.0062	0.0014	0.0015	0.0004	-	-	0.0261
15 mph	0.0101	0.0009	0.0041	0.0009	0.0010	0.0003	-	-	0.0173
20 mph	0.0071	0.0006	0.0029	0.0006	0.0007	0.0002	0.0018	0.0000	0.0139
25 mph	0.0105	0.0009	0.0042	0.0009	0.0010	0.0003	0.0023	0.0000	0.0202
30 mph	0.0164	0.0015	0.0066	0.0015	0.0016	0.0004	0.0030	0.0000	0.0309
35 mph	0.0302	0.0027	0.0122	0.0027	0.0029	0.0008	0.0025	0.0000	0.0540
40 mph	0.0291	0.0026	0.0117	0.0026	0.0028	0.0008	0.0020	0.0000	0.0516
45 mph	0.0213	0.0019	0.0086	0.0019	0.0021	0.0006	0.0013	0.0000	0.0377
50 mph	0.0232	0.0021	0.0093	0.0021	0.0022	0.0006	0.0006	0.0000	0.0401
55 mph	0.0131	0.0012	0.0053	0.0012	0.0013	0.0004	0.0003	0.0000	0.0227
60 mph	0.0085	0.0007	0.0034	0.0008	0.0008	0.0002	0.0245	0.0002	0.0391
65 mph	0.0032	0.0003	0.0013	0.0003	0.0003	0.0001	-	-	0.0054
70 mph	0.1617	0.0140	0.0632	0.0143	0.0154	0.0043	-	-	0.2728
total	0.3498	0.0307	0.1388	0.0311	0.0335	0.0094	0.0384	0.0004	0.6319

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0042	0.0012	0.0019	0.0000	0.0073
15 mph	0.0223	0.0020	0.0090	0.0027	0.0018	0.0005	0.0008	0.0000	0.0390
25 mph	-	-	-	-	0.0029	0.0008	0.0018	0.0000	0.0056
35 mph	0.1495	0.0133	0.0601	0.0060	-	-	-	-	0.2289
total	0.1718	0.0153	0.0691	0.0087	0.0089	0.0025	0.0046	0.0000	0.2808

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0042	0.0012	0.0019	0.0000	0.0073
10 mph	0.1146	0.0102	0.0461	0.0091	0.0079	0.0022	0.0037	0.0000	0.1937
15 mph	0.0587	0.0052	0.0237	0.0057	0.0044	0.0013	0.0016	0.0000	0.1006
20 mph	0.0440	0.0039	0.0177	0.0035	0.0031	0.0009	0.0029	0.0000	0.0760
25 mph	0.1466	0.0130	0.0591	0.0116	0.0128	0.0036	0.0087	0.0001	0.2554
30 mph	0.1330	0.0118	0.0535	0.0106	0.0091	0.0026	0.0063	0.0001	0.2270
35 mph	0.2582	0.0229	0.1038	0.0148	0.0080	0.0022	0.0037	0.0000	0.4137
40 mph	0.0518	0.0046	0.0208	0.0044	0.0043	0.0012	0.0031	0.0000	0.0903
45 mph	0.0386	0.0034	0.0155	0.0033	0.0032	0.0009	0.0022	0.0000	0.0671
50 mph	0.0399	0.0035	0.0160	0.0034	0.0033	0.0009	0.0020	0.0000	0.0690
55 mph	0.0267	0.0024	0.0107	0.0022	0.0021	0.0006	0.0006	0.0000	0.0454
60 mph	0.0377	0.0033	0.0151	0.0030	0.0027	0.0008	0.0248	0.0002	0.0877
65 mph	0.0073	0.0006	0.0029	0.0006	0.0006	0.0002	-	-	0.0123
70 mph	0.1617	0.0140	0.0632	0.0143	0.0154	0.0043	-	-	0.2728
total	1.1188	0.0990	0.4481	0.0863	0.0811	0.0228	0.0615	0.0006	1.9183

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0009	0.0000	0.0011	0.0002	0.0232	0.0273	0.0204	0.0913	0.1645
15 mph	0.0003	0.0000	0.0004	0.0001	0.0076	0.0092	0.0054	0.0236	0.0466
20 mph	0.0006	0.0000	0.0006	0.0001	0.0129	0.0156	0.0092	0.0348	0.0738
25 mph	0.0024	0.0000	0.0027	0.0006	0.0544	0.0663	0.0481	0.1948	0.3693
30 mph	0.0023	0.0000	0.0026	0.0006	0.0530	0.0645	0.0477	0.1932	0.3639
35 mph	0.0017	0.0000	0.0019	0.0004	0.0395	0.0478	0.0260	0.1053	0.2227
40 mph	0.0005	0.0000	0.0006	0.0001	0.0122	0.0147	0.0369	0.1503	0.2153
45 mph	0.0004	0.0000	0.0005	0.0001	0.0095	0.0114	0.0384	0.1571	0.2173
50 mph	0.0004	0.0000	0.0004	0.0001	0.0090	0.0107	0.0807	0.3278	0.4292
55 mph	0.0003	0.0000	0.0003	0.0001	0.0068	0.0081	0.0238	0.0990	0.1384
60 mph	0.0006	0.0000	0.0006	0.0001	0.0136	0.0160	0.0298	0.1223	0.1830
65 mph	0.0001	0.0000	0.0001	0.0000	0.0018	0.0021	-	-	0.0040
70 mph	-	-	-	-	-	-	-	-	-
total	0.0104	0.0001	0.0119	0.0026	0.2435	0.2938	0.3662	1.4995	2.4279

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0002	0.0000	0.0053	0.0063	-	-	0.0119
15 mph	0.0001	0.0000	0.0001	0.0000	0.0044	0.0053	-	-	0.0099
20 mph	0.0001	0.0000	0.0001	0.0000	0.0037	0.0045	0.0143	0.0543	0.0771
25 mph	0.0002	0.0000	0.0002	0.0001	0.0062	0.0076	0.0239	0.0968	0.1350
30 mph	0.0003	0.0000	0.0004	0.0001	0.0111	0.0135	0.0447	0.1810	0.2510
35 mph	0.0007	0.0000	0.0008	0.0002	0.0227	0.0274	0.0541	0.2192	0.3250
40 mph	0.0007	0.0000	0.0008	0.0002	0.0232	0.0280	0.0634	0.2583	0.3745
45 mph	0.0005	0.0000	0.0006	0.0001	0.0174	0.0209	0.0599	0.2454	0.3448
50 mph	0.0005	0.0000	0.0006	0.0002	0.0186	0.0222	0.0388	0.1575	0.2384
55 mph	0.0003	0.0000	0.0003	0.0001	0.0098	0.0117	0.0247	0.1031	0.1499
60 mph	0.0002	0.0000	0.0002	0.0000	0.0058	0.0069	2.1722	8.9138	11.0992
65 mph	0.0001	0.0000	0.0001	0.0000	0.0020	0.0024	-	-	0.0045
70 mph	0.0027	0.0000	0.0028	0.0008	0.1267	0.1267	-	-	0.2596
total	0.0064	0.0000	0.0070	0.0018	0.2570	0.2831	2.4960	10.2295	13.2809

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0950	0.0629	0.0023	0.0058	0.1660
15 mph	0.0003	0.0000	0.0003	0.0001	0.0078	0.0095	0.0052	0.0230	0.0462
25 mph	-	-	-	-	0.0181	0.0221	0.0193	0.0782	0.1377
35 mph	0.0032	0.0000	0.0037	0.0004	-	-	-	-	0.0074
total	0.0035	0.0000	0.0040	0.0005	0.1209	0.0945	0.0269	0.1070	0.3574

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0950	0.0629	0.0023	0.0058	0.1660
10 mph	0.0011	0.0000	0.0012	0.0003	0.0285	0.0335	0.0204	0.0913	0.1764
15 mph	0.0007	0.0000	0.0008	0.0002	0.0198	0.0240	0.0106	0.0466	0.1028
20 mph	0.0007	0.0000	0.0008	0.0002	0.0166	0.0201	0.0235	0.0891	0.1509
25 mph	0.0025	0.0000	0.0029	0.0006	0.0788	0.0960	0.0913	0.3698	0.6420
30 mph	0.0026	0.0000	0.0030	0.0007	0.0641	0.0780	0.0924	0.3742	0.6149
35 mph	0.0056	0.0000	0.0064	0.0010	0.0622	0.0752	0.0801	0.3245	0.5551
40 mph	0.0012	0.0000	0.0014	0.0003	0.0354	0.0427	0.1003	0.4086	0.5898
45 mph	0.0009	0.0000	0.0010	0.0002	0.0269	0.0323	0.0982	0.4025	0.5621
50 mph	0.0009	0.0000	0.0010	0.0002	0.0277	0.0329	0.1195	0.4854	0.6676
55 mph	0.0006	0.0000	0.0006	0.0001	0.0166	0.0198	0.0485	0.2021	0.2884
60 mph	0.0007	0.0000	0.0008	0.0002	0.0194	0.0229	2.2020	9.0361	11.2822
65 mph	0.0001	0.0000	0.0001	0.0000	0.0038	0.0044	-	-	0.0085
70 mph	0.0027	0.0000	0.0028	0.0008	0.1267	0.1267	-	-	0.2596
total	0.0203	0.0001	0.0229	0.0049	0.6214	0.6714	2.8891	11.8359	16.0662

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0033	0.0033
15 mph								0.0009	0.0009
20 mph								0.0016	0.0016
25 mph								0.0080	0.0080
30 mph								0.0067	0.0067
35 mph								0.0028	0.0028
40 mph								0.0030	0.0030
45 mph								0.0023	0.0023
50 mph								0.0036	0.0036
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0322	0.0322

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0025	0.0025
25 mph								0.0040	0.0040
30 mph								0.0063	0.0063
35 mph								0.0059	0.0059
40 mph								0.0051	0.0051
45 mph								0.0036	0.0036
50 mph								0.0017	0.0017
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0186	0.0186

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
15 mph								0.0009	0.0009
25 mph								0.0032	0.0032
35 mph								-	-
total	-	-	-	-	-	-	-	0.0050	0.0050

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
10 mph								0.0033	0.0033
15 mph								0.0018	0.0018
20 mph								0.0041	0.0041
25 mph								0.0151	0.0151
30 mph								0.0130	0.0130
35 mph								0.0087	0.0087
40 mph								0.0081	0.0081
45 mph								0.0059	0.0059
50 mph								0.0054	0.0054
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0661	0.0661

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0992	0.0641	0.0042	0.0067	0.1742
10 mph	0.1157	0.0102	0.0473	0.0094	0.0364	0.0358	0.0241	0.0946	0.3734
15 mph	0.0595	0.0052	0.0245	0.0059	0.0242	0.0252	0.0122	0.0484	0.2052
20 mph	0.0446	0.0039	0.0185	0.0037	0.0197	0.0210	0.0264	0.0932	0.2310
25 mph	0.1492	0.0131	0.0620	0.0122	0.0916	0.0996	0.1000	0.3850	0.9125
30 mph	0.1356	0.0118	0.0565	0.0112	0.0732	0.0805	0.0987	0.3872	0.8548
35 mph	0.2638	0.0230	0.1102	0.0158	0.0702	0.0775	0.0838	0.3332	0.9774
40 mph	0.0530	0.0046	0.0222	0.0047	0.0397	0.0439	0.1034	0.4167	0.6882
45 mph	0.0395	0.0034	0.0165	0.0035	0.0301	0.0332	0.1004	0.4084	0.6350
50 mph	0.0408	0.0035	0.0170	0.0036	0.0310	0.0338	0.1214	0.4907	0.7419
55 mph	0.0273	0.0024	0.0114	0.0024	0.0188	0.0204	0.0492	0.2021	0.3338
60 mph	0.0384	0.0033	0.0159	0.0032	0.0221	0.0237	2.2269	9.0364	11.3699
65 mph	0.0075	0.0006	0.0031	0.0006	0.0044	0.0046	-	-	0.0208
70 mph	0.1644	0.0140	0.0660	0.0151	0.1421	0.1310	-	-	0.5325
STREX	0.0537	0.0046	0.0210	0.0062	0.0009	0.0002	0.0005	0.0000	0.0871
total	1.1928	0.1038	0.4921	0.0975	0.7034	0.6945	2.9511	11.9027	**18.1378**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0009	0.0010	0.0010	0.0010	0.0003	0.0003	0.0004	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0537	0.0046	0.0210	0.0062	0.0009	0.0002	0.0005	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0537	0.0046	0.0210	0.0062	0.0009	0.0002	0.0005	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	12.3819	0.9463	4.6587	0.8762	1.0057	0.3381	0.8140	0.0040
Diesel	0.1466	0.0001	0.0453	0.0295	1.0897	0.8308	4.8710	5.2444
Electric/NG	0.6963	0.0293	0.1790	0.0369	-	-	-	0.3779
Total	13.2248	0.9757	4.8831	0.9426	2.0954	1.1689	5.6850	5.6263

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	9.5477	0.7297	3.5923	0.7742	1.1532	0.3877	2.5427	0.0126
Diesel	0.1130	0.0001	0.0350	0.0260	1.2495	0.9527	15.2148	16.3813
Electric/NG	0.5370	0.0226	0.1380	0.0326	-	-	-	1.1803
Total	10.1977	0.7524	3.7653	0.8328	2.4027	1.3403	17.7575	17.5742

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	4.4589	0.3408	1.6777	0.1769	0.0877	0.0295	0.0878	0.0004
Diesel	0.0528	0.0001	0.0163	0.0060	0.0950	0.0724	0.5253	0.5656
Electric/NG	0.2508	0.0106	0.0645	0.0075	-	-	-	0.0407
Total	4.7624	0.3514	1.7585	0.1903	0.1827	0.1019	0.6131	0.6067

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	26.3884	2.0167	9.9287	1.8272	2.2466	0.7552	3.4445	0.0171	46.6245
Diesel	0.3124	0.0003	0.0966	0.0615	2.4343	1.8559	20.6110	22.1913	47.5633
Electric/NG	1.4841	0.0625	0.3815	0.0770	-	-	-	1.5989	3.6040
Total	28.1849	2.0795	10.4069	1.9657	4.6808	2.6111	24.0555	23.8072	**97.7917**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	61.7799
Internal	86.2967
Total	**148.0766**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0764	0.0494	0.0033	0.0051	0.1341
10 mph	0.0740	0.0065	0.0303	0.0060	0.0280	0.0275	0.0186	0.0729	0.2638
15 mph	0.0381	0.0033	0.0157	0.0038	0.0187	0.0194	0.0094	0.0373	0.1456
20 mph	0.0286	0.0025	0.0118	0.0024	0.0152	0.0161	0.0203	0.0718	0.1686
25 mph	0.0955	0.0084	0.0397	0.0078	0.0705	0.0767	0.0770	0.2964	0.6719
30 mph	0.0868	0.0076	0.0362	0.0072	0.0564	0.0620	0.0760	0.2981	0.6302
35 mph	0.1688	0.0147	0.0705	0.0101	0.0541	0.0597	0.0645	0.2566	0.6990
40 mph	0.0339	0.0029	0.0142	0.0030	0.0306	0.0338	0.0796	0.3209	0.5189
45 mph	0.0253	0.0022	0.0106	0.0022	0.0232	0.0255	0.0773	0.3145	0.4808
50 mph	0.0261	0.0023	0.0109	0.0023	0.0238	0.0261	0.0935	0.3779	0.5628
55 mph	0.0175	0.0015	0.0073	0.0015	0.0144	0.0157	0.0379	0.1556	0.2514
60 mph	0.0246	0.0021	0.0102	0.0021	0.0170	0.0182	1.7147	6.9580	8.7469
65 mph	0.0048	0.0004	0.0020	0.0004	0.0034	0.0035	-	-	0.0145
70 mph	0.1052	0.0090	0.0422	0.0096	0.1094	0.1009	-	-	0.3763
total	0.7290	0.0634	0.3015	0.0584	0.5410	0.5346	2.2720	9.1651	13.6649

World Logistics Center
Internal Roadway Road Dust
Mobile Emissions - 2035 Buildout (Project) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Internal Roadways

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
1	L	3,610	2.40	0.32	0.0005	1.69	0.0019	6.88
2	L	4,388	2.40	0.32	0.0005	2.05	0.0019	8.36
3	L	3,825	2.40	0.32	0.0005	1.79	0.0019	7.29
5	L	7,763	2.40	0.32	0.0005	3.63	0.0019	14.79
6	L	13,785	2.40	0.32	0.0005	6.45	0.0019	26.26
8	L	9,241	2.40	0.32	0.0005	4.32	0.0019	17.61
11	L	7,391	2.40	0.32	0.0005	3.46	0.0019	14.08
12	L	6,622	2.40	0.32	0.0005	3.10	0.0019	12.62
14	L	5,675	2.40	0.32	0.0005	2.65	0.0019	10.81
18	L	3,195	2.40	0.32	0.0005	1.49	0.0019	6.09
19	L	7,654	2.40	0.32	0.0005	3.58	0.0019	14.58
21	L	6,920	2.40	0.32	0.0005	3.24	0.0019	13.18
24	L	13,970	2.40	0.32	0.0005	6.53	0.0019	26.61
30	L	62,790	2.40	0.32	0.0005	29.36	0.0019	119.62
29	L	5,441	2.40	0.32	0.0005	2.54	0.0019	10.36
31	L	22,275	2.40	0.32	0.0005	10.42	0.0019	42.44
TOTAL						86.30		351.58

World Logistics Center
Off-Site Road Dust
Mobile Emissions - 2035 Buildout (Project) - Mitigated

Average Vehicle Weight
2.4 tons
Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

dust = EF * VMT

Silt Loading

EF= K * SL^0.91 * W^1.02

Roadway Type		Silt Loading (g/m2)	
Freeway	F	0.015	
Arterial, Maj Collector	A	0.032	
Local	L	0.32	
Particle Size PM10 (K)		0.0022	lb/VMT
Particle Size PM2.5 (k)		0.00054	lb/VMT

Source: ARB, Miscellaneous Process Methodology 7.9, Nov 2016

Surface Streets

Segment	Road Type	Total VMT	Avg Weight	Silt Loading	PM2.5 EF lb/VMT	PM2.5 dust lb/day	PM10 EF lb/VMT	PM10 dust lb/day
Non-Freeway	A	668,408	2.40	0.032	0.0001	38.45	0.0002	156.66
Freeway	F	807,966	2.40	0.015	0.0000	23.33	0.0001	95.03
TOTAL		1,476,374				61.78		251.70

World Logistics Center
Mobile Emissions - 2035 Buildout (Project) - Mitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0045	0.0054	0.0052	0.0055	0.0064	0.0072	0.0139	0.2046
15 mph	0.0040	0.0047	0.0046	0.0048	0.0056	0.0063	0.0123	0.1805
20 mph	0.0036	0.0042	0.0041	0.0043	0.0051	0.0057	0.0110	0.1619
25 mph	0.0033	0.0039	0.0037	0.0039	0.0046	0.0052	0.0100	0.1478
30 mph	0.0030	0.0036	0.0035	0.0037	0.0043	0.0048	0.0093	0.1371
35 mph	0.0029	0.0034	0.0033	0.0035	0.0041	0.0046	0.0087	0.1291
40 mph	0.0028	0.0032	0.0031	0.0033	0.0039	0.0043	0.0083	0.1232
45 mph	0.0027	0.0031	0.0030	0.0032	0.0038	0.0042	0.0081	0.1195
50 mph	0.0026	0.0031	0.0030	0.0032	0.0037	0.0042	0.0079	0.1181
55 mph	0.0027	0.0031	0.0030	0.0032	0.0038	0.0042	0.0080	0.1191
60 mph	0.0028	0.0033	0.0031	0.0034	0.0039	0.0044	0.0083	0.1229
65 mph	0.0029	0.0034	0.0033	0.0035	0.0041	0.0046	0.0087	0.1293
70 mph	0.0031	0.0037	0.0034	0.0037	0.0044	0.0047	0.0085	0.1347

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0527	0.1072	0.0703	0.0875	0.1320	0.1478	0.2552	0.3632
15 mph	0.0434	0.0891	0.0583	0.0742	0.0860	0.0981	0.2007	0.2824
20 mph	0.0356	0.0731	0.0479	0.0616	0.0734	0.0838	0.1714	0.2446
25 mph	0.0298	0.0611	0.0402	0.0521	0.0651	0.0746	0.1496	0.2027
30 mph	0.0258	0.0525	0.0347	0.0451	0.0591	0.0674	0.1313	0.1782
35 mph	0.0233	0.0470	0.0313	0.0409	0.0592	0.0675	0.1173	0.1595
40 mph	0.0219	0.0438	0.0293	0.0383	0.0576	0.0650	0.1075	0.1466
45 mph	0.0211	0.0423	0.0282	0.0368	0.0562	0.0626	0.1019	0.1394
50 mph	0.0212	0.0422	0.0282	0.0370	0.0590	0.0649	0.1006	0.1371
55 mph	0.0221	0.0442	0.0295	0.0391	0.0615	0.0671	0.1035	0.1427
60 mph	0.0240	0.0480	0.0320	0.0423	0.0622	0.0673	0.1106	0.1514
65 mph	0.0270	0.0535	0.0359	0.0476	0.0630	0.0676	0.1220	0.1640
70 mph	0.0293	0.0557	0.0386	0.0515	0.0637	0.0685	0.1232	0.1669

*US EPA Emission Factors for Greenhouse Gas Inventories. (idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.8140
15 mph								0.6830
20 mph								0.5964
25 mph								0.5501
30 mph								0.5205
35 mph								0.4971
40 mph								0.4779
45 mph								0.4617
50 mph								0.4479
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1583	0.0144	0.0683	0.0136	0.0093	0.0030	0.0115	0.0016	0.2800
15 mph	0.0555	0.0050	0.0239	0.0048	0.0033	0.0011	0.0034	0.0005	0.0974
20 mph	0.0998	0.0090	0.0430	0.0086	0.0059	0.0019	0.0061	0.0008	0.1751
25 mph	0.4560	0.0411	0.1957	0.0390	0.0267	0.0087	0.0305	0.0042	0.8018
30 mph	0.4669	0.0420	0.1996	0.0398	0.0273	0.0089	0.0257	0.0035	0.8137
35 mph	0.3614	0.0324	0.1538	0.0308	0.0212	0.0069	0.0109	0.0015	0.6187
40 mph	0.1152	0.0103	0.0489	0.0098	0.0067	0.0022	0.0115	0.0016	0.2063
45 mph	0.0929	0.0083	0.0395	0.0079	0.0055	0.0018	0.0089	0.0012	0.1660
50 mph	0.0918	0.0083	0.0390	0.0078	0.0054	0.0017	0.0143	0.0020	0.1704
55 mph	0.0743	0.0067	0.0317	0.0064	0.0044	0.0014	0.0033	0.0005	0.1285
60 mph	0.1542	0.0140	0.0661	0.0133	0.0090	0.0029	0.0034	0.0005	0.2634
65 mph	0.0202	0.0018	0.0086	0.0017	0.0012	0.0004	-	-	0.0340
70 mph	-	-	-	-	-	-	-	-	-
total	2.1464	0.1935	0.9180	0.1834	0.1258	0.0409	0.1295	0.0177	3.7552

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0244	0.0022	0.0105	0.0024	0.0021	0.0007	-	-	0.0424
15 mph	0.0214	0.0019	0.0092	0.0021	0.0019	0.0006	-	-	0.0371
20 mph	0.0192	0.0017	0.0083	0.0019	0.0017	0.0005	0.0095	0.0013	0.0442
25 mph	0.0352	0.0032	0.0151	0.0034	0.0031	0.0010	0.0152	0.0021	0.0782
30 mph	0.0655	0.0059	0.0280	0.0064	0.0057	0.0019	0.0241	0.0033	0.1406
35 mph	0.1393	0.0125	0.0593	0.0136	0.0121	0.0039	0.0226	0.0031	0.2665
40 mph	0.1480	0.0133	0.0629	0.0144	0.0129	0.0042	0.0198	0.0027	0.2782
45 mph	0.1146	0.0103	0.0487	0.0112	0.0100	0.0032	0.0139	0.0019	0.2138
50 mph	0.1275	0.0115	0.0542	0.0125	0.0111	0.0036	0.0069	0.0009	0.2281
55 mph	0.0716	0.0065	0.0305	0.0070	0.0062	0.0020	0.0035	0.0005	0.1278
60 mph	0.0446	0.0040	0.0191	0.0044	0.0039	0.0013	0.2503	0.0345	0.3620
65 mph	0.0156	0.0014	0.0067	0.0015	0.0014	0.0004	-	-	0.0270
70 mph	0.7594	0.0693	0.3176	0.0751	0.0669	0.0209	-	-	1.3094
total	1.5862	0.1437	0.6701	0.1560	0.1390	0.0444	0.3656	0.0503	3.1554

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0016	0.0005	0.0007	0.0000	0.0028
15 mph	0.0469	0.0043	0.0203	0.0063	0.0034	0.0011	0.0033	0.0005	0.0859
25 mph	-	-	-	-	0.0089	0.0029	0.0122	0.0017	0.0257
35 mph	0.6891	0.0619	0.2931	0.0300	-	-	-	-	1.0741
total	0.7360	0.0661	0.3134	0.0363	0.0138	0.0044	0.0163	0.0021	1.1885

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0016	0.0005	0.0007	0.0000	0.0028
10 mph	0.1827	0.0166	0.0788	0.0161	0.0115	0.0037	0.0115	0.0016	0.3224
15 mph	0.1238	0.0112	0.0534	0.0132	0.0085	0.0028	0.0067	0.0009	0.2204
20 mph	0.1190	0.0108	0.0513	0.0104	0.0076	0.0025	0.0156	0.0021	0.2192
25 mph	0.4911	0.0443	0.2108	0.0424	0.0387	0.0126	0.0579	0.0079	0.9057
30 mph	0.5324	0.0479	0.2275	0.0462	0.0330	0.0107	0.0497	0.0068	0.9544
35 mph	1.1898	0.1068	0.5062	0.0743	0.0333	0.0108	0.0335	0.0046	1.9593
40 mph	0.2632	0.0236	0.1118	0.0242	0.0196	0.0064	0.0313	0.0043	0.4845
45 mph	0.2074	0.0186	0.0882	0.0191	0.0154	0.0050	0.0228	0.0031	0.3798
50 mph	0.2193	0.0197	0.0932	0.0203	0.0165	0.0054	0.0212	0.0029	0.3985
55 mph	0.1458	0.0132	0.0622	0.0134	0.0106	0.0034	0.0068	0.0009	0.2563
60 mph	0.1988	0.0180	0.0852	0.0177	0.0129	0.0042	0.2537	0.0349	0.6254
65 mph	0.0358	0.0032	0.0153	0.0033	0.0025	0.0008	-	-	0.0610
70 mph	0.7594	0.0693	0.3176	0.0751	0.0669	0.0209	-	-	1.3094
total	4.4686	0.4033	1.9015	0.3757	0.2787	0.0897	0.5115	0.0702	8.0991

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0218	0.0000	0.0090	0.0073	0.2011	0.1489	1.2671	3.2744	4.9296
15 mph	0.0072	0.0000	0.0030	0.0025	0.0524	0.0396	0.3321	0.8486	1.2854
20 mph	0.0117	0.0000	0.0049	0.0041	0.0895	0.0676	0.5674	1.4699	2.2151
25 mph	0.0492	0.0001	0.0205	0.0173	0.3965	0.3009	2.7230	6.7010	10.2085
30 mph	0.0469	0.0001	0.0195	0.0165	0.3964	0.2987	2.1737	5.3541	8.3058
35 mph	0.0347	0.0001	0.0144	0.0122	0.3247	0.2447	0.8738	2.1573	3.6620
40 mph	0.0108	0.0000	0.0045	0.0038	0.1053	0.0787	0.8899	2.2032	3.2962
45 mph	0.0087	0.0000	0.0036	0.0031	0.0857	0.0630	0.6749	1.6764	2.5154
50 mph	0.0087	0.0000	0.0036	0.0031	0.0899	0.0654	1.0824	2.6788	3.9319
55 mph	0.0073	0.0000	0.0030	0.0026	0.0750	0.0541	0.2571	0.6433	1.0424
60 mph	0.0159	0.0000	0.0065	0.0056	0.1515	0.1085	0.2746	0.6826	1.2453
65 mph	0.0022	0.0000	0.0009	0.0008	0.0192	0.0136	-	-	0.0368
70 mph	-	-	-	-	-	-	-	-	-
total	0.2253	0.0004	0.0935	0.0788	1.9872	1.4837	11.1160	27.6895	42.6744

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0034	0.0000	0.0014	0.0013	0.0461	0.0342	-	-	0.0863
15 mph	0.0028	0.0000	0.0011	0.0011	0.0301	0.0227	-	-	0.0577
20 mph	0.0023	0.0000	0.0009	0.0009	0.0256	0.0194	0.8862	2.2957	3.2310
25 mph	0.0038	0.0000	0.0016	0.0015	0.0455	0.0345	1.3531	3.3299	4.7699
30 mph	0.0066	0.0000	0.0027	0.0026	0.0826	0.0623	2.0369	5.0172	7.2109
35 mph	0.0134	0.0000	0.0056	0.0054	0.1862	0.1403	1.8196	4.4924	6.6628
40 mph	0.0139	0.0000	0.0058	0.0056	0.2013	0.1503	1.5288	3.7850	5.6907
45 mph	0.0108	0.0000	0.0044	0.0043	0.1572	0.1157	1.0540	2.6181	3.9645
50 mph	0.0121	0.0000	0.0050	0.0049	0.1855	0.1350	0.5202	1.2873	2.1500
55 mph	0.0071	0.0000	0.0029	0.0029	0.1075	0.0775	0.2676	0.6698	1.1353
60 mph	0.0046	0.0000	0.0019	0.0019	0.0652	0.0467	20.0161	49.7469	69.8832
65 mph	0.0017	0.0000	0.0007	0.0007	0.0220	0.0156	-	-	0.0408
70 mph	0.0857	0.0002	0.0350	0.0348	1.0246	0.7286	-	-	1.9088
total	0.1680	0.0003	0.0691	0.0679	2.1793	1.5827	29.4825	73.2423	106.7922

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0006	0.0004	0.0016	0.0029	0.0055
15 mph	0.0061	0.0000	0.0025	0.0032	0.0540	0.0407	0.3236	0.8269	1.2571
25 mph	-	-	-	-	0.1320	0.1002	1.0936	2.6912	4.0169
35 mph	0.0662	0.0001	0.0275	0.0119	-	-	-	-	0.1057
total	0.0722	0.0001	0.0300	0.0152	0.1866	0.1413	1.4187	3.5209	5.3851

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0006	0.0004	0.0016	0.0029	0.0055
10 mph	0.0251	0.0000	0.0104	0.0085	0.2472	0.1831	1.2671	3.2744	5.0159
15 mph	0.0160	0.0000	0.0067	0.0068	0.1365	0.1030	0.6557	1.6755	2.6002
20 mph	0.0140	0.0000	0.0058	0.0050	0.1151	0.0869	1.4536	3.7657	5.4461
25 mph	0.0530	0.0001	0.0221	0.0188	0.5740	0.4355	5.1697	12.7221	18.9953
30 mph	0.0535	0.0001	0.0223	0.0191	0.4790	0.3610	4.2105	10.3713	15.5168
35 mph	0.1143	0.0002	0.0475	0.0296	0.5109	0.3851	2.6934	6.6497	10.4306
40 mph	0.0247	0.0000	0.0102	0.0094	0.3067	0.2290	2.4187	5.9882	8.9870
45 mph	0.0195	0.0000	0.0080	0.0074	0.2428	0.1787	1.7289	4.2945	6.4799
50 mph	0.0209	0.0000	0.0086	0.0080	0.2753	0.2004	1.6026	3.9661	6.0819
55 mph	0.0144	0.0000	0.0059	0.0055	0.1826	0.1316	0.5247	1.3130	2.1777
60 mph	0.0205	0.0000	0.0084	0.0075	0.2167	0.1552	20.2907	50.4295	71.1286
65 mph	0.0039	0.0000	0.0016	0.0015	0.0412	0.0292	-	-	0.0776
70 mph	0.0857	0.0002	0.0350	0.0348	1.0246	0.7286	-	-	1.9088
total	0.4655	0.0009	0.1926	0.1619	4.3532	3.2077	42.0173	104.4528	154.8517

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.5205	0.5205
15 mph								0.1456	0.1456
20 mph								0.2542	0.2542
25 mph								1.2895	1.2895
30 mph								1.1093	1.1093
35 mph								0.4767	0.4767
40 mph								0.5092	0.5092
45 mph								0.3936	0.3936
50 mph								0.6204	0.6204
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.3191	5.3191

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.3970	0.3970
25 mph								0.6408	0.6408
30 mph								1.0395	1.0395
35 mph								0.9927	0.9927
40 mph								0.8749	0.8749
45 mph								0.6147	0.6147
50 mph								0.2981	0.2981
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.0701	3.0701

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0006	0.0006
15 mph								0.1418	0.1418
25 mph								0.5179	0.5179
35 mph								-	-
total	-	-	-	-	-	-	-	0.6603	0.6603

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0006	0.0006
10 mph								0.5205	0.5205
15 mph								0.2874	0.2874
20 mph								0.6513	0.6513
25 mph								2.4483	2.4483
30 mph								2.1488	2.1488
35 mph								1.4695	1.4695
40 mph								1.3841	1.3841
45 mph								1.0084	1.0084
50 mph								0.9185	0.9185
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	10.8372	10.8372

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0022	0.0009	0.0023	0.0035	0.0088
10 mph	0.2078	0.0166	0.0892	0.0246	0.2587	0.1868	1.2787	3.7964	5.8587
15 mph	0.1398	0.0113	0.0601	0.0200	0.1449	0.1057	0.6624	1.9638	3.1080
20 mph	0.1330	0.0108	0.0571	0.0154	0.1227	0.0894	1.4691	4.4191	6.3166
25 mph	0.5442	0.0444	0.2329	0.0613	0.6127	0.4481	5.2276	15.1782	22.3493
30 mph	0.5859	0.0480	0.2498	0.0653	0.5120	0.3717	4.2603	12.5269	18.6199
35 mph	1.3041	0.1070	0.5536	0.1039	0.5442	0.3959	2.7269	8.1238	13.8594
40 mph	0.2879	0.0237	0.1221	0.0337	0.3263	0.2354	2.4500	7.3766	10.8556
45 mph	0.2269	0.0187	0.0963	0.0265	0.2583	0.1837	1.7518	5.3060	7.8681
50 mph	0.2402	0.0198	0.1018	0.0283	0.2919	0.2058	1.6237	4.8875	7.3989
55 mph	0.1602	0.0132	0.0681	0.0188	0.1932	0.1350	0.5315	1.3140	2.4340
60 mph	0.2193	0.0181	0.0936	0.0251	0.2296	0.1594	20.5445	50.4644	71.7540
65 mph	0.0398	0.0033	0.0169	0.0048	0.0438	0.0301	-	-	0.1386
70 mph	0.8452	0.0695	0.3526	0.1099	1.0915	0.7495	-	-	3.2182
STREX	1.0824	0.0897	0.4445	0.1336	0.0884	0.0258	0.0396	0.0000	1.9040
total	6.0166	0.4939	2.5386	0.6711	4.7203	3.3232	42.5684	115.3601	**175.6921**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0186	0.0202	0.0203	0.0213	0.0310	0.0312	0.0299	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.0824	0.0897	0.4445	0.1336	0.0884	0.0258	0.0396	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	1.0824	0.0897	0.4445	0.1336	0.0884	0.0258	0.0396	0.0000

World Logistics Center
Mobile Emissions - 2035 Buildout (Project) - Mitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.7508	1.7736	3.3724	2.3482
10 mph	0.0035	0.0055	0.0058	0.0064	0.0059	0.0054	0.0122	0.2946
15 mph	0.0023	0.0037	0.0039	0.0042	0.0039	0.0036	0.0081	0.1958
20 mph	0.0016	0.0026	0.0027	0.0030	0.0027	0.0025	0.0057	0.1371
25 mph	0.0012	0.0019	0.0020	0.0022	0.0020	0.0019	0.0042	0.1013
30 mph	0.0009	0.0015	0.0016	0.0017	0.0016	0.0014	0.0033	0.0790
35 mph	0.0008	0.0012	0.0013	0.0014	0.0013	0.0012	0.0027	0.0649
40 mph	0.0007	0.0011	0.0011	0.0012	0.0011	0.0010	0.0023	0.0564
45 mph	0.0006	0.0010	0.0010	0.0011	0.0010	0.0009	0.0021	0.0517
50 mph	0.0006	0.0010	0.0010	0.0011	0.0010	0.0009	0.0020	0.0499
55 mph	0.0006	0.0010	0.0010	0.0011	0.0010	0.0009	0.0021	0.0507
60 mph	0.0006	0.0010	0.0011	0.0012	0.0011	0.0010	0.0022	0.0542
65 mph	0.0007	0.0011	0.0012	0.0013	0.0012	0.0011		
70 mph	0.0008	0.0013	0.0012	0.0014	0.0014	0.0012		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0235	0.1100
10 mph	0.0032	0.0095	0.0092	0.0036	0.0260	0.0261	0.0015	0.0038
15 mph	0.0015	0.0049	0.0045	0.0018	0.0128	0.0129	0.0009	0.0021
20 mph	0.0006	0.0022	0.0017	0.0007	0.0052	0.0052	0.0006	0.0013
25 mph	0.0004	0.0014	0.0010	0.0004	0.0032	0.0032	0.0005	0.0011
30 mph	0.0003	0.0011	0.0008	0.0003	0.0024	0.0025	0.0004	0.0009
35 mph	0.0002	0.0009	0.0006	0.0003	0.0020	0.0020	0.0003	0.0007
40 mph	0.0002	0.0007	0.0005	0.0002	0.0016	0.0017	0.0003	0.0006
45 mph	0.0002	0.0007	0.0004	0.0002	0.0014	0.0015	0.0002	0.0006
50 mph	0.0001	0.0006	0.0004	0.0002	0.0013	0.0013	0.0002	0.0006
55 mph	0.0001	0.0006	0.0003	0.0001	0.0011	0.0012	0.0003	0.0006
60 mph	0.0001	0.0006	0.0003	0.0001	0.0011	0.0011	0.0003	0.0007
65 mph	0.0001	0.0006	0.0003	0.0001	0.0012	0.0012		
70 mph	0.0001	0.0004	0.0003	0.0001	0.0016	0.0016		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.8656
10 mph								10.5313
15 mph								7.3288
20 mph								5.2433
25 mph								3.8449
30 mph								2.8421
35 mph								2.1020
40 mph								1.5562
45 mph								1.1541
50 mph								0.8585
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.1227	0.0147	0.0764	0.0157	0.0086	0.0023	0.0101	0.0023	0.2528
15 mph	0.0325	0.0039	0.0204	0.0042	0.0023	0.0006	0.0022	0.0005	0.0667
20 mph	0.0456	0.0056	0.0287	0.0059	0.0032	0.0008	0.0031	0.0007	0.0937
25 mph	0.1683	0.0206	0.1062	0.0218	0.0117	0.0031	0.0127	0.0029	0.3473
30 mph	0.1441	0.0177	0.0908	0.0187	0.0100	0.0027	0.0090	0.0020	0.2950
35 mph	0.0969	0.0119	0.0608	0.0126	0.0068	0.0018	0.0033	0.0007	0.1947
40 mph	0.0280	0.0034	0.0176	0.0036	0.0020	0.0005	0.0032	0.0007	0.0591
45 mph	0.0215	0.0026	0.0134	0.0028	0.0015	0.0004	0.0023	0.0005	0.0451
50 mph	0.0207	0.0025	0.0129	0.0027	0.0014	0.0004	0.0037	0.0008	0.0452
55 mph	0.0169	0.0021	0.0105	0.0022	0.0012	0.0003	0.0009	0.0002	0.0341
60 mph	0.0356	0.0043	0.0221	0.0046	0.0025	0.0007	0.0009	0.0002	0.0708
65 mph	0.0050	0.0006	0.0031	0.0006	0.0004	0.0001	-	-	0.0097
70 mph	-	-	-	-	-	-	-	-	-
total	0.7379	0.0899	0.4628	0.0954	0.0515	0.0137	0.0516	0.0116	1.5143

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0189	0.0023	0.0118	0.0028	0.0020	0.0005	-	-	0.0383
15 mph	0.0125	0.0015	0.0079	0.0018	0.0013	0.0003	-	-	0.0254
20 mph	0.0088	0.0011	0.0055	0.0013	0.0009	0.0002	0.0049	0.0011	0.0239
25 mph	0.0130	0.0016	0.0082	0.0019	0.0013	0.0004	0.0063	0.0014	0.0341
30 mph	0.0202	0.0025	0.0127	0.0030	0.0021	0.0006	0.0084	0.0019	0.0514
35 mph	0.0373	0.0046	0.0234	0.0056	0.0039	0.0010	0.0069	0.0016	0.0843
40 mph	0.0360	0.0044	0.0226	0.0054	0.0037	0.0010	0.0055	0.0012	0.0799
45 mph	0.0265	0.0032	0.0166	0.0039	0.0027	0.0007	0.0037	0.0008	0.0582
50 mph	0.0288	0.0035	0.0179	0.0043	0.0030	0.0008	0.0018	0.0004	0.0605
55 mph	0.0163	0.0020	0.0101	0.0024	0.0017	0.0004	0.0009	0.0002	0.0340
60 mph	0.0103	0.0012	0.0064	0.0015	0.0011	0.0003	0.0672	0.0152	0.1031
65 mph	0.0038	0.0005	0.0024	0.0006	0.0004	0.0001	-	-	0.0077
70 mph	0.1971	0.0240	0.1154	0.0287	0.0208	0.0052	-	-	0.3913
total	0.4296	0.0523	0.2609	0.0632	0.0450	0.0117	0.1056	0.0238	0.9921

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2078	0.0612	0.1865	0.0016	0.4570
15 mph	0.0275	0.0033	0.0173	0.0055	0.0023	0.0006	0.0022	0.0005	0.0593
25 mph	-	-	-	-	0.0039	0.0010	0.0051	0.0011	0.0112
35 mph	0.1847	0.0226	0.1158	0.0123	-	-	-	-	0.3354
total	0.2122	0.0260	0.1331	0.0178	0.2140	0.0628	0.1938	0.0032	0.8629

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2078	0.0612	0.1865	0.0016	0.4570
10 mph	0.1417	0.0170	0.0882	0.0185	0.0106	0.0028	0.0101	0.0023	0.2911
15 mph	0.0726	0.0088	0.0456	0.0115	0.0059	0.0016	0.0044	0.0010	0.1514
20 mph	0.0544	0.0066	0.0343	0.0072	0.0041	0.0011	0.0080	0.0018	0.1176
25 mph	0.1813	0.0222	0.1144	0.0237	0.0169	0.0045	0.0242	0.0054	0.3926
30 mph	0.1643	0.0201	0.1035	0.0217	0.0121	0.0032	0.0174	0.0039	0.3464
35 mph	0.3189	0.0391	0.2000	0.0304	0.0106	0.0028	0.0102	0.0023	0.6144
40 mph	0.0641	0.0079	0.0402	0.0090	0.0057	0.0015	0.0087	0.0020	0.1390
45 mph	0.0480	0.0059	0.0300	0.0067	0.0042	0.0011	0.0060	0.0014	0.1033
50 mph	0.0495	0.0061	0.0309	0.0070	0.0044	0.0012	0.0054	0.0012	0.1057
55 mph	0.0331	0.0040	0.0206	0.0046	0.0029	0.0008	0.0018	0.0004	0.0681
60 mph	0.0458	0.0055	0.0284	0.0061	0.0036	0.0009	0.0681	0.0154	0.1739
65 mph	0.0088	0.0011	0.0054	0.0012	0.0008	0.0002	-	-	0.0175
70 mph	0.1971	0.0240	0.1154	0.0287	0.0208	0.0052	-	-	0.3913
total	1.3796	0.1681	0.8569	0.1763	0.3105	0.0882	0.3510	0.0387	3.3693

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0013	0.0000	0.0012	0.0003	0.0396	0.0263	0.0076	0.0338	0.1101
15 mph	0.0003	0.0000	0.0002	0.0001	0.0078	0.0052	0.0014	0.0062	0.0212
20 mph	0.0002	0.0000	0.0002	0.0000	0.0063	0.0042	0.0019	0.0079	0.0207
25 mph	0.0006	0.0000	0.0005	0.0001	0.0193	0.0130	0.0083	0.0350	0.0769
30 mph	0.0005	0.0000	0.0004	0.0001	0.0163	0.0110	0.0061	0.0257	0.0601
35 mph	0.0003	0.0000	0.0003	0.0001	0.0108	0.0073	0.0023	0.0095	0.0305
40 mph	0.0001	0.0000	0.0001	0.0000	0.0030	0.0020	0.0022	0.0091	0.0165
45 mph	0.0001	0.0000	0.0001	0.0000	0.0022	0.0015	0.0016	0.0067	0.0121
50 mph	0.0001	0.0000	0.0000	0.0000	0.0019	0.0013	0.0026	0.0110	0.0169
55 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0009	0.0007	0.0028	0.0059
60 mph	0.0001	0.0000	0.0001	0.0000	0.0027	0.0018	0.0008	0.0033	0.0087
65 mph	0.0000	0.0000	0.0000	0.0000	0.0004	0.0002	-	-	0.0006
70 mph	-	-	-	-	-	-	-	-	-
total	0.0035	0.0000	0.0031	0.0008	0.1116	0.0748	0.0353	0.1510	0.3802

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0002	0.0000	0.0002	0.0001	0.0091	0.0060	-	-	0.0155
15 mph	0.0001	0.0000	0.0001	0.0000	0.0045	0.0030	-	-	0.0077
20 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0012	0.0030	0.0123	0.0184
25 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0015	0.0041	0.0174	0.0253
30 mph	0.0001	0.0000	0.0001	0.0000	0.0034	0.0023	0.0057	0.0241	0.0356
35 mph	0.0001	0.0000	0.0001	0.0000	0.0062	0.0042	0.0047	0.0199	0.0352
40 mph	0.0001	0.0000	0.0001	0.0000	0.0057	0.0039	0.0037	0.0157	0.0293
45 mph	0.0001	0.0000	0.0001	0.0000	0.0040	0.0027	0.0025	0.0105	0.0198
50 mph	0.0001	0.0000	0.0001	0.0000	0.0040	0.0027	0.0012	0.0053	0.0134
55 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0014	0.0007	0.0029	0.0070
60 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0008	0.0560	0.2380	0.2960
65 mph	0.0000	0.0000	0.0000	0.0000	0.0004	0.0003	-	-	0.0007
70 mph	0.0003	0.0000	0.0003	0.0001	0.0251	0.0170	-	-	0.0427
total	0.0013	0.0000	0.0011	0.0003	0.0695	0.0468	0.0816	0.3460	0.5466

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0184	0.0122	0.0078	0.0661	0.1044
15 mph	0.0002	0.0000	0.0002	0.0001	0.0080	0.0054	0.0014	0.0060	0.0213
25 mph	-	-	-	-	0.0064	0.0043	0.0033	0.0141	0.0281
35 mph	0.0006	0.0000	0.0006	0.0001	-	-	-	-	0.0012
total	0.0008	0.0000	0.0007	0.0002	0.0329	0.0219	0.0125	0.0862	0.1552

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0184	0.0122	0.0078	0.0661	0.1044
10 mph	0.0015	0.0000	0.0014	0.0004	0.0486	0.0323	0.0076	0.0338	0.1256
15 mph	0.0006	0.0000	0.0005	0.0002	0.0203	0.0135	0.0028	0.0122	0.0502
20 mph	0.0002	0.0000	0.0002	0.0001	0.0081	0.0054	0.0049	0.0201	0.0391
25 mph	0.0006	0.0000	0.0006	0.0002	0.0280	0.0188	0.0157	0.0664	0.1304
30 mph	0.0006	0.0000	0.0005	0.0001	0.0197	0.0133	0.0118	0.0498	0.0958
35 mph	0.0011	0.0000	0.0010	0.0002	0.0169	0.0114	0.0070	0.0294	0.0669
40 mph	0.0002	0.0000	0.0002	0.0001	0.0088	0.0059	0.0059	0.0248	0.0458
45 mph	0.0001	0.0000	0.0001	0.0000	0.0061	0.0042	0.0041	0.0172	0.0319
50 mph	0.0001	0.0000	0.0001	0.0000	0.0059	0.0040	0.0038	0.0162	0.0303
55 mph	0.0001	0.0000	0.0001	0.0000	0.0034	0.0023	0.0013	0.0057	0.0129
60 mph	0.0001	0.0000	0.0001	0.0000	0.0038	0.0026	0.0568	0.2413	0.3048
65 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0005	-	-	0.0013
70 mph	0.0003	0.0000	0.0003	0.0001	0.0251	0.0170	-	-	0.0427
total	0.0056	0.0000	0.0050	0.0013	0.2139	0.1435	0.1294	0.5832	1.0820

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								6.7332	6.7332
15 mph								1.5619	1.5619
20 mph								2.2349	2.2349
25 mph								9.0135	9.0135
30 mph								6.0569	6.0569
35 mph								2.0159	2.0159
40 mph								1.6583	1.6583
45 mph								0.9838	0.9838
50 mph								1.1893	1.1893
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	31.4476	31.4476

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								3.4904	3.4904
25 mph								4.4791	4.4791
30 mph								5.6757	5.6757
35 mph								4.1978	4.1978
40 mph								2.8488	2.8488
45 mph								1.5365	1.5365
50 mph								0.5715	0.5715
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	17.8430	17.8430

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0795	0.0795
15 mph								1.5219	1.5219
25 mph								3.6199	3.6199
35 mph								-	-
total	-	-	-	-	-	-	-	5.2212	5.2212

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0795	0.0795
10 mph								6.7332	6.7332
15 mph								3.0837	3.0837
20 mph								5.7252	5.7252
25 mph								17.1125	17.1125
30 mph								11.7326	11.7326
35 mph								6.2137	6.2137
40 mph								4.5071	4.5071
45 mph								2.5204	2.5204
50 mph								1.7608	1.7608
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	59.4688	59.4688

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2262	0.0733	0.1942	0.1471	0.6409
10 mph	0.1432	0.0170	0.0896	0.0188	0.0592	0.0351	0.0178	6.7693	7.1499
15 mph	0.0732	0.0088	0.0461	0.0117	0.0262	0.0151	0.0072	3.0970	3.2853
20 mph	0.0547	0.0066	0.0345	0.0072	0.0122	0.0065	0.0130	5.7471	5.8819
25 mph	0.1819	0.0222	0.1149	0.0239	0.0449	0.0234	0.0399	17.1844	17.6355
30 mph	0.1649	0.0201	0.1040	0.0218	0.0318	0.0165	0.0292	11.7864	12.1748
35 mph	0.3200	0.0391	0.2010	0.0306	0.0276	0.0143	0.0172	6.2454	6.8950
40 mph	0.0643	0.0079	0.0404	0.0091	0.0145	0.0074	0.0146	4.5338	4.6918
45 mph	0.0481	0.0059	0.0302	0.0068	0.0104	0.0053	0.0101	2.5390	2.6556
50 mph	0.0497	0.0061	0.0310	0.0070	0.0103	0.0052	0.0093	1.7783	1.8968
55 mph	0.0332	0.0040	0.0206	0.0046	0.0062	0.0031	0.0031	0.0061	0.0810
60 mph	0.0459	0.0055	0.0285	0.0061	0.0074	0.0036	0.1249	0.2567	0.4787
65 mph	0.0088	0.0011	0.0054	0.0012	0.0015	0.0007	-	-	0.0188
70 mph	0.1974	0.0240	0.1157	0.0288	0.0459	0.0222	-	-	0.4340
STREX	1.3386	0.1197	0.6890	0.2136	0.0343	0.0099	0.0416	0.0000	2.4467
total	2.7238	0.2879	1.5508	0.3913	0.5588	0.2416	0.5220	60.0907	**66.3668**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0230	0.0270	0.0315	0.0340	0.0120	0.0119	0.0314	0.0002
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.3386	0.1197	0.6890	0.2136	0.0343	0.0099	0.0416	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	1.3386	0.1197	0.6890	0.2136	0.0343	0.0099	0.0416	0.0000

World Logistics Center
Mobile Emissions - 2035 Buildout (Project) - Mitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,963.68	4,638.03	11,699.90	18,964.94
10 mph	391.87	461.13	458.33	561.90	1,297.09	1,495.95	2,649.86	3,085.79
15 mph	320.36	377.07	374.72	459.32	1,060.18	1,221.83	2,169.91	2,531.59
20 mph	266.42	313.55	311.62	381.97	881.58	1,016.36	1,803.47	2,109.28
25 mph	227.75	268.06	266.42	326.67	753.42	868.35	1,542.32	1,806.99
30 mph	202.15	237.89	236.47	290.09	668.77	770.89	1,369.73	1,604.76
35 mph	187.49	220.57	219.29	269.19	620.23	715.15	1,270.99	1,486.59
40 mph	181.61	213.66	212.41	260.74	600.43	692.34	1,229.76	1,436.90
45 mph	182.65	214.79	213.47	262.01	602.61	694.84	1,235.03	1,438.10
50 mph	188.08	221.15	219.77	269.84	620.30	715.03	1,270.61	1,475.93
55 mph	195.37	229.66	228.30	280.41	645.56	744.08	1,320.82	1,532.19
60 mph	201.05	236.74	235.51	289.65	671.73	774.26	1,373.93	1,590.39
65 mph	206.05	242.94	241.75	297.71	692.05	797.41		
70 mph	209.08	245.96	244.62	302.99	699.98	804.48		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,206.55	5,193.70	5,355.52	4,882.73
10 mph	335.38	681.91	447.50	556.56	839.71	940.07	1,623.54	2,310.47
15 mph	275.84	566.89	371.11	472.01	547.23	624.35	1,276.55	1,796.46
20 mph	226.28	465.37	304.89	392.02	466.89	533.07	1,090.48	1,555.84
25 mph	189.68	388.66	255.61	331.67	413.89	474.83	951.51	1,289.55
30 mph	164.31	334.16	221.00	286.64	376.13	428.56	835.52	1,133.39
35 mph	148.55	299.26	199.42	260.29	376.62	429.16	746.40	1,014.84
40 mph	139.01	278.89	186.11	243.51	366.54	413.77	684.12	932.77
45 mph	134.29	269.01	179.43	234.37	357.71	397.97	648.54	887.16
50 mph	134.66	268.78	179.70	235.66	375.21	412.92	640.09	872.40
55 mph	140.91	281.41	187.89	248.63	391.57	426.77	658.72	907.81
60 mph	152.75	305.24	203.54	269.20	395.47	428.26	703.76	963.25
65 mph	171.76	340.16	228.56	302.55	401.05	430.01		
70 mph	186.19	354.29	245.73	327.75	405.53	436.00		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								4,895.72
10 mph								3,993.23
15 mph								3,350.45
20 mph								2,925.80
25 mph								2,698.39
30 mph								2,553.34
35 mph								2,438.51
40 mph								2,344.30
45 mph								2,265.00
50 mph								2,196.95
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	13,667.83	1,229.16	6,014.68	1,386.85	1,876.43	628.71	2,198.88	23.74	27,026.29
15 mph	4,469.53	402.04	1,966.99	453.46	613.48	205.40	600.20	6.49	8,717.60
20 mph	7,433.98	668.62	3,271.49	754.20	1,020.27	341.72	997.69	10.82	14,498.80
25 mph	31,774.93	2,858.08	13,985.06	3,225.10	4,359.77	1,459.79	4,692.72	50.98	62,406.42
30 mph	31,023.12	2,790.02	13,654.12	3,150.30	4,256.90	1,425.54	3,788.71	41.16	60,129.87
35 mph	23,541.52	2,116.57	10,360.06	2,391.83	3,230.12	1,082.02	1,582.02	17.16	44,321.29
40 mph	7,601.02	683.43	3,344.92	772.25	1,042.33	349.17	1,700.77	18.43	15,512.31
45 mph	6,370.40	572.52	2,801.42	646.67	871.77	292.02	1,366.45	14.75	12,936.02
50 mph	6,560.02	589.47	2,884.08	666.01	897.35	300.51	2,284.45	24.61	14,206.51
55 mph	5,451.34	489.72	2,396.83	553.68	747.11	250.17	548.01	5.89	10,442.78
60 mph	11,219.57	1,009.65	4,945.00	1,143.84	1,554.81	520.64	570.05	6.12	20,969.68
65 mph	1,437.31	129.51	634.50	146.96	200.23	67.03	-	-	2,615.54
70 mph	-	-	-	-	-	-	-	-	-
total	150,550.58	13,538.80	66,259.14	15,291.15	20,670.59	6,922.74	20,329.95	220.16	293,783.11

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	2,107.85	189.56	927.58	245.07	430.32	144.18	-	-	4,044.58
15 mph	1,723.23	155.01	758.37	200.33	351.73	117.76	-	-	3,306.42
20 mph	1,433.09	128.89	630.66	166.59	292.48	97.96	1,558.17	16.90	4,324.74
25 mph	2,450.17	220.39	1,078.39	284.95	499.91	167.39	2,331.96	25.34	7,058.49
30 mph	4,349.44	391.16	1,914.31	506.08	887.49	297.20	3,550.28	38.57	11,934.54
35 mph	9,076.44	816.04	3,994.32	1,056.65	1,851.92	620.35	3,294.35	35.73	20,745.80
40 mph	9,768.58	878.32	4,298.78	1,137.20	1,991.98	667.30	2,921.85	31.66	21,695.67
45 mph	7,859.55	706.36	3,456.28	914.19	1,599.39	535.76	2,134.10	23.04	17,228.67
50 mph	9,105.18	818.18	4,003.05	1,059.22	1,852.11	620.24	1,097.79	11.82	18,567.60
55 mph	5,254.41	472.03	2,310.25	611.50	1,070.85	358.58	570.59	6.14	10,654.35
60 mph	3,244.28	291.95	1,429.91	378.99	668.56	223.87	41,546.88	445.96	48,230.41
65 mph	1,108.31	99.87	489.26	129.85	229.60	76.86	-	-	2,133.74
70 mph	51,733.32	4,650.97	22,773.57	6,078.86	10,682.41	3,566.75	-	-	99,485.88
total	109,213.86	9,818.73	48,064.73	12,769.49	22,408.75	7,494.20	59,005.97	635.16	269,410.89

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	470.46	159.93	646.86	12.95	1,290.20
15 mph	3,782.04	340.20	1,664.43	597.43	631.79	211.53	584.82	6.33	7,818.56
25 mph	-	-	-	-	1,451.41	485.98	1,884.63	20.48	3,842.49
35 mph	44,884.60	4,035.48	19,752.63	2,332.68	-	-	-	-	71,005.39
total	48,666.63	4,375.68	21,417.06	2,930.11	2,553.66	857.44	3,116.31	39.75	83,956.64

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	470.46	159.93	646.86	12.95	1,290.20
10 mph	15,775.69	1,418.72	6,942.26	1,631.92	2,306.76	772.90	2,198.88	23.74	31,070.86
15 mph	9,974.79	897.25	4,389.79	1,251.21	1,597.00	534.70	1,185.03	12.82	19,842.59
20 mph	8,867.07	797.52	3,902.15	920.80	1,312.75	439.68	2,555.86	27.72	18,823.54
25 mph	34,225.09	3,078.46	15,063.45	3,510.05	6,311.09	2,113.16	8,909.30	96.79	73,307.40
30 mph	35,372.56	3,181.18	15,568.43	3,656.38	5,144.39	1,722.74	7,338.99	79.73	72,064.41
35 mph	77,502.55	6,968.09	34,107.01	5,781.16	5,082.04	1,702.36	4,876.37	52.89	136,072.48
40 mph	17,369.59	1,561.75	7,643.70	1,909.45	3,034.31	1,016.47	4,622.62	50.09	37,207.98
45 mph	14,229.96	1,278.88	6,257.69	1,560.86	2,471.16	827.79	3,500.55	37.80	30,164.68
50 mph	15,665.20	1,407.65	6,887.13	1,725.23	2,749.46	920.75	3,382.24	36.43	32,774.10
55 mph	10,705.76	961.75	4,707.08	1,165.18	1,817.97	608.75	1,118.60	12.03	21,097.13
60 mph	14,463.86	1,301.60	6,374.90	1,522.84	2,223.37	744.52	42,116.93	452.08	69,200.09
65 mph	2,545.63	229.38	1,123.76	276.81	429.83	143.88	-	-	4,749.28
70 mph	51,733.32	4,650.97	22,773.57	6,078.86	10,682.41	3,566.75	-	-	99,485.88
total	308,431.08	27,733.21	135,740.93	30,990.75	45,632.99	15,274.38	82,452.23	895.08	647,150.64

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	138.49	0.27	57.16	46.22	1,279.43	947.39	8,061.36	20,831.21	31,361.53
15 mph	45.56	0.09	18.96	15.68	333.52	251.68	2,112.81	5,398.96	8,177.26
20 mph	74.75	0.15	31.15	26.04	569.10	429.78	3,609.72	9,351.65	14,092.34
25 mph	313.31	0.61	130.60	110.17	2,522.53	1,914.10	17,323.22	42,630.88	64,945.42
30 mph	298.54	0.58	124.20	104.74	2,521.59	1,900.33	13,828.61	34,062.22	52,840.82
35 mph	220.83	0.42	91.70	77.82	2,065.83	1,557.01	5,559.15	13,724.65	23,297.41
40 mph	68.88	0.13	28.53	24.27	670.18	500.39	5,661.44	14,016.38	20,970.20
45 mph	55.45	0.11	22.92	19.46	545.03	401.07	4,293.61	10,664.87	16,002.51
50 mph	55.61	0.11	22.95	19.57	571.69	416.13	6,886.18	17,042.12	25,014.36
55 mph	46.55	0.09	19.20	16.52	477.30	344.07	1,635.37	4,092.39	6,631.48
60 mph	100.92	0.19	41.60	35.77	964.10	690.56	1,747.18	4,342.35	7,922.67
65 mph	14.19	0.03	5.84	5.03	122.21	86.67	-	-	233.96
70 mph	-	-	-	-	-	-	-	-	-
total	1,433.08	2.77	594.81	501.28	12,642.51	9,439.18	70,718.66	176,157.68	271,489.97

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	21.36	0.04	8.82	8.17	293.41	217.27	-	-	549.06
15 mph	17.57	0.03	7.31	6.93	191.21	144.30	-	-	367.35
20 mph	14.41	0.03	6.01	5.75	163.14	123.20	5,637.60	14,605.23	20,555.37
25 mph	24.16	0.05	10.07	9.73	289.25	219.48	8,608.44	21,184.59	30,345.77
30 mph	41.86	0.08	17.41	16.83	525.71	396.19	12,958.37	31,918.66	45,875.09
35 mph	85.14	0.16	35.35	34.38	1,184.40	892.67	11,576.25	28,579.89	42,388.24
40 mph	88.53	0.17	36.66	35.73	1,280.77	956.30	9,726.12	24,079.58	36,203.86
45 mph	68.42	0.13	28.28	27.51	999.93	735.82	6,705.68	16,656.20	25,221.97
50 mph	77.18	0.15	31.86	31.12	1,179.96	858.89	3,309.14	8,189.56	13,677.86
55 mph	44.87	0.09	18.51	18.24	684.12	493.16	1,702.73	4,260.95	7,222.66
60 mph	29.18	0.06	12.03	11.85	414.56	296.94	127,340.20	316,484.44	444,589.25
65 mph	10.94	0.02	4.50	4.44	140.14	99.38	-	-	259.42
70 mph	545.43	0.99	222.66	221.25	6,518.17	4,635.23	-	-	12,143.73
total	1,069.03	2.00	439.46	431.94	13,864.78	10,068.81	187,564.52	465,959.10	679,399.64

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	400.85	429.44	1,771.74	2,933.12	5,535.16
15 mph	38.55	0.08	16.04	20.66	343.47	259.19	2,058.66	5,260.60	7,997.25
25 mph	-	-	-	-	839.78	637.22	6,957.12	17,120.85	25,554.97
35 mph	421.03	0.81	174.83	75.89	-	-	-	-	672.56
total	459.58	0.88	190.88	96.55	1,584.10	1,325.86	10,787.53	25,314.57	39,759.95

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	400.85	429.44	1,771.74	2,933.12	5,535.16
10 mph	159.85	0.31	65.97	54.39	1,572.84	1,164.66	8,061.36	20,831.21	31,910.59
15 mph	101.68	0.20	42.32	43.26	868.20	655.17	4,171.48	10,659.56	16,541.87
20 mph	89.16	0.17	37.16	31.80	732.24	552.98	9,247.32	23,956.88	34,647.71
25 mph	337.47	0.66	140.67	119.91	3,651.55	2,770.80	32,888.78	80,936.32	120,846.16
30 mph	340.39	0.66	141.62	121.56	3,047.30	2,296.52	26,786.98	65,980.87	98,715.91
35 mph	726.99	1.40	301.88	188.09	3,250.23	2,449.68	17,135.40	42,304.54	66,358.21
40 mph	157.41	0.30	65.19	60.00	1,950.95	1,456.69	15,387.56	38,095.96	57,174.06
45 mph	123.87	0.24	51.19	46.98	1,544.96	1,136.88	10,999.28	27,321.08	41,224.48
50 mph	132.79	0.25	54.81	50.69	1,751.66	1,275.02	10,195.32	25,231.68	38,692.22
55 mph	91.42	0.17	37.71	34.76	1,161.42	837.24	3,338.10	8,353.34	13,854.14
60 mph	130.11	0.25	53.63	47.62	1,378.65	987.49	129,087.38	320,826.79	452,511.92
65 mph	25.12	0.05	10.34	9.47	262.35	186.05	-	-	493.38
70 mph	545.43	0.99	222.66	221.25	6,518.17	4,635.23	-	-	12,143.73
total	2,961.70	5.65	1,225.14	1,029.77	28,091.39	20,833.84	269,070.71	667,431.35	990,649.55

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								2,553.06	2,553.06
15 mph								714.03	714.03
20 mph								1,247.07	1,247.07
25 mph								6,325.77	6,325.77
30 mph								5,441.59	5,441.59
35 mph								2,338.59	2,338.59
40 mph								2,498.04	2,498.04
45 mph								1,930.83	1,930.83
50 mph								3,043.34	3,043.34
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	26,092.33	26,092.33

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1,947.65	1,947.65
25 mph								3,143.47	3,143.47
30 mph								5,099.14	5,099.14
35 mph								4,869.82	4,869.82
40 mph								4,291.54	4,291.54
45 mph								3,015.54	3,015.54
50 mph								1,462.47	1,462.47
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	15,060.08	15,060.08

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								208.55	208.55
15 mph								695.74	695.74
25 mph								2,540.47	2,540.47
35 mph								-	-
total	-	-	-	-	-	-	-	3,444.75	3,444.75

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								208.55	208.55
10 mph								2,553.06	2,553.06
15 mph								1,409.77	1,409.77
20 mph								3,194.72	3,194.72
25 mph								12,009.70	12,009.70
30 mph								10,540.73	10,540.73
35 mph								7,208.41	7,208.41
40 mph								6,789.59	6,789.59
45 mph								4,946.38	4,946.38
50 mph								4,505.81	4,505.81
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	53,366.72	53,366.72

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	871.31	589.37	2,418.61	3,154.62	7,033.91
10 mph	15,935.53	1,419.03	7,008.24	1,686.30	3,879.60	1,937.55	10,260.24	23,408.02	65,534.51
15 mph	10,076.48	897.45	4,432.11	1,294.48	2,465.20	1,189.87	5,356.50	12,082.15	37,794.23
20 mph	8,956.23	797.69	3,939.31	952.59	2,044.99	992.66	11,803.18	27,179.32	56,665.98
25 mph	34,562.57	3,079.12	15,204.12	3,629.96	9,962.64	4,883.96	41,798.09	93,042.82	206,163.27
30 mph	35,712.95	3,181.85	15,710.05	3,777.94	8,191.69	4,019.27	34,125.97	76,601.34	181,321.05
35 mph	78,229.55	6,969.49	34,408.89	5,969.25	8,332.27	4,152.04	22,011.78	49,565.84	209,639.11
40 mph	17,527.01	1,562.05	7,708.89	1,969.46	4,985.26	2,473.15	20,010.18	44,935.63	101,171.63
45 mph	14,353.83	1,279.12	6,308.89	1,607.84	4,016.12	1,964.67	14,499.83	32,305.25	76,335.54
50 mph	15,797.99	1,407.91	6,941.94	1,775.93	4,501.12	2,195.77	13,577.57	29,773.92	75,972.14
55 mph	10,797.17	961.93	4,744.79	1,199.94	2,979.38	1,445.99	4,456.70	8,365.37	34,951.27
60 mph	14,593.96	1,301.84	6,428.53	1,570.46	3,602.02	1,732.01	171,204.31	321,278.88	521,712.01
65 mph	2,570.75	229.43	1,134.10	286.27	692.18	329.93	-	-	5,242.66
70 mph	52,278.75	4,651.96	22,996.23	6,300.11	17,200.58	8,201.98	-	-	111,629.60
STREX	2,398.28	216.45	1,082.95	382.40	46.82	15.55	41.98	0.46	4,184.88
total	313,791.05	27,955.31	138,049.01	32,402.92	73,771.19	36,123.77	351,564.91	721,693.61	**1,695,351.79**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	41.29	48.76	49.55	60.89	16.43	18.79	31.63	37.43
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2,398.28	216.45	1,082.95	382.40	46.82	15.55	41.98	0.46
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	2,398.28	216.45	1,082.95	382.40	46.82	15.55	41.98	0.46

B.8 Mobile Source Emissions Medium EV Penetration Scenario

World Logistics Center
Mobile Emissions - Medium EV 2025 (Net) - Mitigated

Pounds per day

PM2.5 Exhaust	Dust	Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
7.17	17.88	21.74	46.80	5.50	77.09	19.58	543,851.47

Tons per year

PM2.5 Exhaust	Dust	Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
1.31	3.26	3.97	8.54	1.00	14.07	3.57	99,252.89

World Logistics Center
Mobile Emissions - Medium EV 2025 (Net) - Mitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	992.40	8.52	63.89	(25,292.75)	(217.11)	(1,628.29)
LDT1	73.22	0.63	4.71	(1,866.12)	(16.02)	(120.14)
LDT2	366.43	3.15	23.59	(9,338.97)	(80.16)	(601.22)
MDT	1,487.34	28.81	-	22,769.61	441.00	-
LHDT1	403.66	507.54	-	10,284.18	12,930.67	-
LHDT2	194.07	244.01	-	4,944.42	6,216.80	-
MHDT	117.79	1,432.11	-	5,301.75	64,458.15	-
HHDT	1.71	2,446.65	136.03	77.11	110,121.39	6,122.58

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	11,350.33	97.43	730.71	(36,643.09)	(314.53)	(2,359.00)
LDT1	837.44	7.19	53.91	(2,703.55)	(23.21)	(174.05)
LDT2	4,190.94	35.97	269.80	(13,529.92)	(116.14)	(871.02)
MDT	10,212.31	197.79	-	12,557.31	243.21	-
LHDT1	3,315.89	4,169.18	-	6,968.29	8,761.48	-
LHDT2	1,594.21	2,004.46	-	3,350.21	4,212.34	-
MHDT	932.59	11,338.29	-	4,369.17	53,119.86	-
HHDT	13.56	19,370.53	1,076.97	63.55	90,750.87	5,045.61

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	7%	0%	0%
15	1%	2%	0%	0%
20	6%	6%	1%	1%
25	25%	25%	2%	2%
30	24%	20%	3%	5%
35	14%	8%	4%	6%
40	6%	7%	6%	7%
45	4%	9%	13%	5%
50	4%	11%	11%	3%
55	7%	1%	8%	1%
60	5%	4%	4%	70%
65	0%	0%	2%	0%
70	0%	0%	47%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	510.77	37.68	188.59	459.55	149.21	71.74	65.28	0.95	1,483.78
15 mph	113.50	8.37	41.91	102.12	33.16	15.94	18.65	0.27	333.93
20 mph	681.02	50.25	251.46	612.74	198.95	95.65	55.96	0.81	1,946.84
25 mph	2,837.58	209.36	1,047.74	2,553.08	828.97	398.55	233.15	3.39	8,111.82
30 mph	2,724.08	200.98	1,005.83	2,450.95	795.81	382.61	186.52	2.71	7,749.50
35 mph	1,589.05	117.24	586.73	1,429.72	464.22	223.19	74.61	1.09	4,485.85
40 mph	681.02	50.25	251.46	612.74	198.95	95.65	65.28	0.95	1,956.30
45 mph	454.01	33.50	167.64	408.49	132.64	63.77	83.93	1.22	1,345.20
50 mph	454.01	33.50	167.64	408.49	132.64	63.77	102.58	1.49	1,364.12
55 mph	794.52	58.62	293.37	714.86	232.11	111.59	9.33	0.14	2,214.54
60 mph	510.77	37.68	188.59	459.55	149.21	71.74	37.30	0.54	1,455.40
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	11,350.33	837.44	4,190.94	10,212.31	3,315.89	1,594.21	932.59	13.56	32,447.27

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(366.43)	(27.04)	(135.30)	125.57	69.68	33.50	43.69	0.64	(255.68)
25 mph	(549.65)	(40.55)	(202.95)	188.36	104.52	50.25	87.38	1.27	(361.36)
30 mph	(916.08)	(67.59)	(338.25)	313.93	174.21	83.76	218.46	3.18	(528.38)
35 mph	(1,465.72)	(108.14)	(541.20)	502.29	278.73	134.01	262.15	3.81	(934.07)
40 mph	(2,198.59)	(162.21)	(811.80)	753.44	418.10	201.01	305.84	4.45	(1,489.75)
45 mph	(4,763.60)	(351.46)	(1,758.89)	1,632.45	905.88	435.53	218.46	3.18	(3,678.46)
50 mph	(4,030.74)	(297.39)	(1,488.29)	1,381.30	766.51	368.52	131.07	1.91	(3,167.10)
55 mph	(2,931.45)	(216.28)	(1,082.39)	1,004.58	557.46	268.02	43.69	0.64	(2,355.73)
60 mph	(1,465.72)	(108.14)	(541.20)	502.29	278.73	134.01	3,058.42	44.48	1,902.87
65 mph	(732.86)	(54.07)	(270.60)	251.15	139.37	67.00	-	-	(600.01)
70 mph	(17,222.25)	(1,270.67)	(6,359.06)	5,901.93	3,275.10	1,574.60	-	-	(14,100.35)
total	(36,643.09)	(2,703.55)	(13,529.92)	12,557.31	6,968.29	3,350.21	4,369.17	63.55	(25,568.03)

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	27.74	13.34	7.74	0.12	48.95
15 mph	3,028.85	223.47	1,118.36	353.40	139.25	66.95	36.90	0.54	4,967.72
25 mph	-	-	-	-	335.97	161.53	149.74	2.18	649.41
35 mph	8,915.31	657.78	3,291.85	1,016.76	-	-	-	-	13,881.69
total	11,944.16	881.25	4,410.20	1,370.16	475.21	228.47	186.64	2.71	19,498.82

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	27.74	13.34	7.74	0.12	48.95
10 mph	510.77	37.68	188.59	459.55	149.21	71.74	65.28	0.95	1,483.78
15 mph	3,142.35	231.84	1,160.27	455.52	172.41	82.89	55.55	0.81	5,301.65
20 mph	314.59	23.21	116.16	738.31	268.64	129.15	99.65	1.45	1,691.16
25 mph	2,287.94	168.81	844.79	2,741.44	1,269.46	610.33	470.27	6.84	8,399.87
30 mph	1,808.00	133.40	667.58	2,764.89	970.02	466.37	404.98	5.89	7,221.11
35 mph	9,038.63	666.88	3,337.38	2,948.77	742.96	357.20	336.76	4.90	17,433.47
40 mph	(1,517.57)	(111.97)	(560.34)	1,366.18	617.05	296.67	371.12	5.40	466.54
45 mph	(4,309.59)	(317.96)	(1,591.25)	2,040.94	1,038.51	499.30	302.39	4.40	(2,333.26)
50 mph	(3,576.73)	(263.89)	(1,320.65)	1,789.80	899.15	432.29	233.66	3.40	(1,802.98)
55 mph	(2,136.92)	(157.66)	(789.03)	1,719.45	789.58	379.61	53.02	0.77	(141.19)
60 mph	(954.96)	(70.46)	(352.60)	961.85	427.95	205.75	3,095.72	45.03	3,358.27
65 mph	(732.86)	(54.07)	(270.60)	251.15	139.37	67.00	-	-	(600.01)
70 mph	(17,222.25)	(1,270.67)	(6,359.06)	5,901.93	3,275.10	1,574.60	-	-	(14,100.35)
total	(13,348.59)	(984.87)	(4,928.77)	24,139.77	10,759.39	5,172.89	5,488.40	79.83	26,378.05

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	4.38	0.32	1.62	8.90	187.61	90.20	793.68	1,355.94	2,442.66
15 mph	0.97	0.07	0.36	1.98	41.69	20.04	226.77	387.41	679.30
20 mph	5.85	0.43	2.16	11.87	250.15	120.27	680.30	1,162.23	2,233.25
25 mph	24.36	1.80	8.99	49.45	1,042.30	501.11	2,834.57	4,842.63	9,305.21
30 mph	23.38	1.73	8.63	47.47	1,000.60	481.07	2,267.66	3,874.11	7,704.65
35 mph	13.64	1.01	5.04	27.69	583.69	280.62	907.06	1,549.64	3,368.39
40 mph	5.85	0.43	2.16	11.87	250.15	120.27	793.68	1,355.94	2,540.34
45 mph	3.90	0.29	1.44	7.91	166.77	80.18	1,020.45	1,743.35	3,024.27
50 mph	3.90	0.29	1.44	7.91	166.77	80.18	1,247.21	2,130.76	3,638.45
55 mph	6.82	0.50	2.52	13.85	291.84	140.31	113.38	193.71	762.93
60 mph	4.38	0.32	1.62	8.90	187.61	90.20	453.53	774.82	1,521.39
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	97.43	7.19	35.97	197.79	4,169.18	2,004.46	11,338.29	19,370.53	37,220.84

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(3.15)	(0.23)	(1.16)	2.43	87.61	42.12	531.20	907.51	1,566.34
25 mph	(4.72)	(0.35)	(1.74)	3.65	131.42	63.19	1,062.40	1,815.02	3,068.86
30 mph	(7.86)	(0.58)	(2.90)	6.08	219.04	105.31	2,655.99	4,537.54	7,512.62
35 mph	(12.58)	(0.93)	(4.65)	9.73	350.46	168.49	3,187.19	5,445.05	9,142.77
40 mph	(18.87)	(1.39)	(6.97)	14.59	525.69	252.74	3,718.39	6,352.56	10,836.74
45 mph	(40.89)	(3.02)	(15.10)	31.62	1,138.99	547.60	2,655.99	4,537.54	8,852.75
50 mph	(34.60)	(2.55)	(12.78)	26.75	963.76	463.36	1,593.60	2,722.53	5,720.07
55 mph	(25.16)	(1.86)	(9.29)	19.46	700.92	336.99	531.20	907.51	2,459.76
60 mph	(12.58)	(0.93)	(4.65)	9.73	350.46	168.49	37,183.90	63,525.61	101,220.04
65 mph	(6.29)	(0.46)	(2.32)	4.86	175.23	84.25	-	-	255.26
70 mph	(147.83)	(10.91)	(54.58)	114.31	4,117.90	1,979.80	-	-	5,998.69
total	(314.53)	(23.21)	(116.14)	243.21	8,761.48	4,212.34	53,119.86	90,750.87	156,633.89

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	34.88	16.77	94.14	160.83	306.63
15 mph	26.00	1.92	9.60	6.84	175.08	84.18	448.66	766.51	1,518.79
25 mph	-	-	-	-	422.42	203.09	1,820.54	3,110.23	5,556.28
35 mph	76.53	5.65	28.26	19.69	-	-	-	-	130.12
total	102.52	7.56	37.86	26.54	597.50	287.27	2,269.20	3,876.74	7,205.19

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	34.88	16.77	94.14	160.83	306.63
10 mph	4.38	0.32	1.62	8.90	187.61	90.20	793.68	1,355.94	2,442.66
15 mph	26.97	1.99	9.96	8.82	216.78	104.22	675.43	1,153.92	2,198.09
20 mph	2.70	0.20	1.00	14.30	337.77	162.39	1,211.50	2,069.74	3,799.59
25 mph	19.64	1.45	7.25	53.10	1,596.14	767.39	5,717.50	9,767.88	17,930.35
30 mph	15.52	1.15	5.73	53.55	1,219.64	586.38	4,923.65	8,411.65	15,217.26
35 mph	77.58	5.72	28.65	57.11	934.15	449.12	4,094.25	6,994.69	12,641.28
40 mph	(13.03)	(0.96)	(4.81)	26.46	775.84	373.01	4,512.07	7,708.50	13,377.08
45 mph	(36.99)	(2.73)	(13.66)	39.53	1,305.76	627.78	3,676.44	6,280.89	11,877.02
50 mph	(30.70)	(2.27)	(11.34)	34.66	1,130.53	543.54	2,840.81	4,853.28	9,358.52
55 mph	(18.34)	(1.35)	(6.77)	33.30	992.76	477.30	644.58	1,101.21	3,222.69
60 mph	(8.20)	(0.60)	(3.03)	18.63	538.07	258.69	37,637.43	64,300.43	102,741.43
65 mph	(6.29)	(0.46)	(2.32)	4.86	175.23	84.25	-	-	255.26
70 mph	(147.83)	(10.91)	(54.58)	114.31	4,117.90	1,979.80	-	-	5,998.69
total	(114.58)	(8.45)	(42.31)	467.54	13,528.17	6,504.07	66,727.35	113,998.13	201,059.92

Surface Street VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	32.88	2.43	12.14	-	-	-	-	75.39	122.84
15 mph	7.31	0.54	2.70	-	-	-	-	21.54	32.08
20 mph	43.84	3.23	16.19	-	-	-	-	64.62	127.88
25 mph	182.68	13.48	67.45	-	-	-	-	269.24	532.85
30 mph	175.37	12.94	64.75	-	-	-	-	215.39	468.46
35 mph	102.30	7.55	37.77	-	-	-	-	86.16	233.78
40 mph	43.84	3.23	16.19	-	-	-	-	75.39	138.65
45 mph	29.23	2.16	10.79	-	-	-	-	96.93	139.10
50 mph	29.23	2.16	10.79	-	-	-	-	118.47	160.64
55 mph	51.15	3.77	18.89	-	-	-	-	10.77	84.58
60 mph	32.88	2.43	12.14	-	-	-	-	43.08	90.53
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	730.71	53.91	269.80	-	-	-	-	1,076.97	2,131.39

Freeway VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(23.59)	(1.74)	(8.71)	-	-	-	-	50.46	16.42
25 mph	(35.38)	(2.61)	(13.07)	-	-	-	-	100.91	49.85
30 mph	(58.97)	(4.35)	(21.78)	-	-	-	-	252.28	167.18
35 mph	(94.36)	(6.96)	(34.84)	-	-	-	-	302.74	166.57
40 mph	(141.54)	(10.44)	(52.26)	-	-	-	-	353.19	148.95
45 mph	(306.67)	(22.63)	(113.23)	-	-	-	-	252.28	(190.25)
50 mph	(259.49)	(19.15)	(95.81)	-	-	-	-	151.37	(223.08)
55 mph	(188.72)	(13.92)	(69.68)	-	-	-	-	50.46	(221.87)
60 mph	(94.36)	(6.96)	(34.84)	-	-	-	-	3,531.93	3,395.76
65 mph	(47.18)	(3.48)	(17.42)	-	-	-	-	-	(68.08)
70 mph	(1,108.73)	(81.80)	(409.38)	-	-	-	-	-	(1,599.91)
total	(2,359.00)	(174.05)	(871.02)	-	-	-	-	5,045.61	1,641.54

Internal VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	8.94	8.94
15 mph	194.99	14.39	72.00	-	-	-	-	42.62	323.99
25 mph	-	-	-	-	-	-	-	172.92	172.92
35 mph	573.95	42.35	211.92	-	-	-	-	-	828.21
total	768.94	56.73	283.92	-	-	-	-	215.54	1,325.13

Total VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	8.94	8.94
10 mph	32.88	2.43	12.14	-	-	-	-	75.39	122.84
15 mph	202.30	14.93	74.70	-	-	-	-	64.16	356.07
20 mph	20.25	1.49	7.48	-	-	-	-	115.07	144.30
25 mph	147.29	10.87	54.39	-	-	-	-	543.08	755.62
30 mph	116.40	8.59	42.98	-	-	-	-	467.67	635.63
35 mph	581.89	42.93	214.85	-	-	-	-	388.89	1,228.57
40 mph	(97.70)	(7.21)	(36.07)	-	-	-	-	428.58	287.60
45 mph	(277.44)	(20.47)	(102.44)	-	-	-	-	349.21	(51.14)
50 mph	(230.26)	(16.99)	(85.02)	-	-	-	-	269.84	(62.44)
55 mph	(137.57)	(10.15)	(50.80)	-	-	-	-	61.23	(137.29)
60 mph	(61.48)	(4.54)	(22.70)	-	-	-	-	3,575.00	3,486.29
65 mph	(47.18)	(3.48)	(17.42)	-	-	-	-	-	(68.08)
70 mph	(1,108.73)	(81.80)	(409.38)	-	-	-	-	-	(1,599.91)
total	1,101.01	81.23	406.53	-	-	-	-	1,654.27	5,098.06

World Logistics Center
Mobile Emissions - Medium EV 2025 (Net) - Mitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	15280	330	0.21	3208.9	2990.7	25.7	192.5
	LDT1	15	1127	330	0.21	236.8	220.7	1.9	14.2
	LDT2	15	5642	330	0.21	1184.8	1104.3	9.5	71.1
	MDT	15	1700	330	0.21	357.0	350.2	6.8	0.0
	LHDT1	15	1494	330	0.21	313.6	138.9	174.7	0.0
	LHDT2	15	718	330	0.21	150.8	66.8	84.0	0.0
	MHDT	15	2286	330	0.21	480.2	36.5	443.7	0.0
	HHDT	15	3813	330	0.21	800.6	0.5	758.0	42.1
Travel at Light Logistics	LDA	15	45	175	0.11	4.9	4.6	0.0	0.3
	LDT1	15	3	175	0.11	0.4	0.3	0.0	0.0
	LDT2	15	16	175	0.11	1.8	1.7	0.0	0.1
	MDT	15	4	175	0.11	0.5	0.4	0.0	0.0
	LHDT1	15	2	175	0.11	0.3	0.1	0.1	0.0
	LHDT2	15	1	175	0.11	0.1	0.1	0.1	0.0
	MHDT	15	3	175	0.11	0.3	0.0	0.3	0.0
	HHDT	15	5	175	0.11	0.6	0.0	0.5	0.0
Travel at Utility	LDA	15	219	100	0.06	13.1	12.3	0.1	0.8
	LDT1	15	16	100	0.06	1.0	0.9	0.0	0.1
	LDT2	15	81	100	0.06	4.9	4.5	0.0	0.3
	MDT	15	47	100	0.06	2.8	2.8	0.1	0.0
	LHDT1	15	7	100	0.06	0.4	0.2	0.2	0.0
	LHDT2	15	3	100	0.06	0.2	0.1	0.1	0.0
	MHDT	15	14	100	0.06	0.8	0.1	0.8	0.0
	HHDT	15	23	100	0.06	1.4	0.0	1.3	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	142	50	0.03	4.3	0.3	3.9	0.0
	HHDT	15	237	50	0.03	7.1	0.0	6.7	0.4
Travel at Convenience Store	LDA	15	669	50	0.03	20.1	18.7	0.2	1.2
	LDT1	15	49	50	0.03	1.5	1.4	0.0	0.1
	LDT2	15	247	50	0.03	7.4	6.9	0.1	0.4
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	95	50	0.03	2.8	2.7	0.0	0.2
	LDT1	15	7	50	0.03	0.2	0.2	0.0	0.0
	LDT2	15	35	50	0.03	1.1	1.0	0.0	0.1
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	3028.8	223.5	1118.4	353.4	139.2	66.9	36.9	0.5
Diesel	26.0	1.9	9.6	6.8	175.1	84.2	448.7	766.5
Electric/Natural Gas (HHDT Only)	195.0	14.4	72.0	0.0	0.0	0.0	0.0	42.6

World Logistics Center
Mobile Emissions - Medium EV 2025 (Net) - Mitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	747	331	416	0	1654.1	2079.7	0.0
	LHDT2	5	359	159	200	0	795.2	999.9	0.0
	MHDT	5	1143	87	1056	0	434.4	5281.7	0.0
	HHDT	5	1906	1	1805	100	6.3	9023.4	501.7
Travel at Light Logistics	LHDT1	5	1	1	1	0	2.7	3.4	0.0
	LHDT2	5	1	0	0	0	1.3	1.6	0.0
	MHDT	5	2	0	1	0	0.6	6.9	0.0
	HHDT	5	3	0	2	0	0.0	11.8	0.7
Travel at Utility	LHDT1	5	4	2	2	0	7.9	9.9	0.0
	LHDT2	5	2	1	1	0	3.8	4.8	0.0
	MHDT	5	7	1	6	0	2.6	31.4	0.0
	HHDT	5	11	0	11	1	0.0	53.6	3.0
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	71	5	66	0	27.0	328.5	0.0
	HHDT	5	119	0	112	6	0.4	561.3	31.2
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	27.7	13.3	7.7	0.1
Diesel	34.9	16.8	94.1	160.8
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	8.9

World Logistics Center
Mobile Emissions - Medium EV 2025 (Net) - Mitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0356	0.0329	0.0309	0.0349
10 mph	0.0051	0.0067	0.0053	0.0054	0.0045	0.0042	0.0040	0.0045
15 mph	0.0034	0.0045	0.0036	0.0036	0.0030	0.0028	0.0026	0.0030
20 mph	0.0024	0.0032	0.0025	0.0025	0.0021	0.0020	0.0019	0.0021
25 mph	0.0017	0.0024	0.0018	0.0019	0.0016	0.0014	0.0014	0.0016
30 mph	0.0014	0.0018	0.0014	0.0015	0.0012	0.0011	0.0011	0.0012
35 mph	0.0011	0.0015	0.0012	0.0012	0.0010	0.0009	0.0009	0.0010
40 mph	0.0010	0.0013	0.0010	0.0010	0.0009	0.0008	0.0008	0.0009
45 mph	0.0009	0.0012	0.0009	0.0010	0.0008	0.0007	0.0007	0.0008
50 mph	0.0009	0.0012	0.0009	0.0009	0.0008	0.0007	0.0007	0.0008
55 mph	0.0009	0.0012	0.0009	0.0009	0.0008	0.0007	0.0007	0.0008
60 mph	0.0009	0.0013	0.0010	0.0010	0.0009	0.0008	0.0007	0.0009
65 mph	0.0011	0.0014	0.0011	0.0011	0.0010	0.0009		
70 mph	0.0012	0.0015	0.0012	0.0012	0.0011	0.0009		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7600	0.7746	0.0070	0.0096
10 mph	0.0113	0.2922	0.0092	0.0078	0.0279	0.0330	0.0039	0.0107
15 mph	0.0092	0.2117	0.0078	0.0064	0.0209	0.0259	0.0031	0.0082
20 mph	0.0073	0.1619	0.0065	0.0052	0.0172	0.0214	0.0026	0.0058
25 mph	0.0059	0.1296	0.0055	0.0044	0.0143	0.0178	0.0025	0.0062
30 mph	0.0050	0.1088	0.0049	0.0039	0.0125	0.0156	0.0027	0.0067
35 mph	0.0044	0.0959	0.0044	0.0035	0.0114	0.0141	0.0033	0.0081
40 mph	0.0040	0.0879	0.0040	0.0032	0.0106	0.0130	0.0042	0.0105
45 mph	0.0038	0.0838	0.0037	0.0030	0.0100	0.0122	0.0055	0.0137
50 mph	0.0036	0.0841	0.0035	0.0029	0.0098	0.0118	0.0071	0.0175
55 mph	0.0036	0.0882	0.0034	0.0028	0.0096	0.0115	0.0091	0.0230
60 mph	0.0037	0.0963	0.0033	0.0028	0.0098	0.0117	0.0114	0.0283
65 mph	0.0039	0.1112	0.0034	0.0029	0.0111	0.0128		
70 mph	0.0040	0.1331	0.0036	0.0033	0.0173	0.0171		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0460
10 mph								0.0072
15 mph								0.0059
20 mph								0.0050
25 mph								0.0045
30 mph								0.0042
35 mph								0.0040
40 mph								0.0039
45 mph								0.0039
50 mph								0.0040
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0057	0.0006	0.0022	0.0055	0.0015	0.0007	0.0006	0.0000	0.0167
15 mph	0.0008	0.0001	0.0003	0.0008	0.0002	0.0001	0.0001	0.0000	0.0025
20 mph	0.0035	0.0004	0.0014	0.0034	0.0009	0.0004	0.0002	0.0000	0.0103
25 mph	0.0109	0.0011	0.0043	0.0106	0.0029	0.0013	0.0007	0.0000	0.0317
30 mph	0.0082	0.0008	0.0032	0.0079	0.0022	0.0009	0.0004	0.0000	0.0236
35 mph	0.0039	0.0004	0.0015	0.0038	0.0010	0.0005	0.0001	0.0000	0.0113
40 mph	0.0015	0.0001	0.0006	0.0014	0.0004	0.0002	0.0001	0.0000	0.0042
45 mph	0.0009	0.0001	0.0003	0.0009	0.0002	0.0001	0.0001	0.0000	0.0027
50 mph	0.0009	0.0001	0.0003	0.0008	0.0002	0.0001	0.0002	0.0000	0.0026
55 mph	0.0015	0.0002	0.0006	0.0015	0.0004	0.0002	0.0000	0.0000	0.0043
60 mph	0.0011	0.0001	0.0004	0.0010	0.0003	0.0001	0.0001	0.0000	0.0030
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0389	0.0039	0.0152	0.0375	0.0103	0.0045	0.0026	0.0000	0.1129

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0019)	(0.0002)	(0.0007)	0.0007	0.0003	0.0001	0.0002	0.0000	(0.0015)
25 mph	(0.0021)	(0.0002)	(0.0008)	0.0008	0.0004	0.0002	0.0003	0.0000	(0.0016)
30 mph	(0.0027)	(0.0003)	(0.0011)	0.0010	0.0005	0.0002	0.0005	0.0000	(0.0019)
35 mph	(0.0036)	(0.0004)	(0.0014)	0.0013	0.0006	0.0003	0.0005	0.0000	(0.0027)
40 mph	(0.0047)	(0.0005)	(0.0018)	0.0017	0.0008	0.0004	0.0005	0.0000	(0.0036)
45 mph	(0.0093)	(0.0009)	(0.0036)	0.0034	0.0016	0.0007	0.0003	0.0000	(0.0078)
50 mph	(0.0076)	(0.0008)	(0.0030)	0.0028	0.0013	0.0006	0.0002	0.0000	(0.0065)
55 mph	(0.0056)	(0.0006)	(0.0022)	0.0021	0.0010	0.0004	0.0001	0.0000	(0.0048)
60 mph	(0.0030)	(0.0003)	(0.0012)	0.0011	0.0005	0.0002	0.0050	0.0001	0.0024
65 mph	(0.0017)	(0.0002)	(0.0007)	0.0006	0.0003	0.0001	-	-	(0.0015)
70 mph	(0.0440)	(0.0043)	(0.0168)	0.0157	0.0076	0.0032	-	-	(0.0386)
total	(0.0864)	(0.0086)	(0.0333)	0.0313	0.0150	0.0064	0.0075	0.0001	(0.0680)

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0022	0.0010	0.0005	0.0000	0.0037
15 mph	0.0225	0.0022	0.0088	0.0028	0.0009	0.0004	0.0002	0.0000	0.0378
25 mph	-	-	-	-	0.0012	0.0005	0.0005	0.0000	0.0021
35 mph	0.0220	0.0022	0.0086	0.0027	-	-	-	-	0.0354
total	0.0445	0.0044	0.0173	0.0055	0.0043	0.0019	0.0012	0.0000	0.0791

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0022	0.0010	0.0005	0.0000	0.0037
10 mph	0.0057	0.0006	0.0022	0.0055	0.0015	0.0007	0.0006	0.0000	0.0167
15 mph	0.0233	0.0023	0.0091	0.0036	0.0012	0.0005	0.0003	0.0000	0.0403
20 mph	0.0016	0.0002	0.0006	0.0041	0.0013	0.0006	0.0004	0.0000	0.0088
25 mph	0.0088	0.0009	0.0034	0.0113	0.0044	0.0019	0.0014	0.0000	0.0323
30 mph	0.0054	0.0005	0.0021	0.0089	0.0026	0.0012	0.0009	0.0000	0.0217
35 mph	0.0223	0.0022	0.0087	0.0078	0.0017	0.0007	0.0006	0.0000	0.0440
40 mph	(0.0032)	(0.0003)	(0.0013)	0.0031	0.0012	0.0005	0.0006	0.0000	0.0006
45 mph	(0.0084)	(0.0008)	(0.0033)	0.0043	0.0019	0.0008	0.0005	0.0000	(0.0052)
50 mph	(0.0068)	(0.0007)	(0.0026)	0.0036	0.0016	0.0007	0.0003	0.0000	(0.0039)
55 mph	(0.0041)	(0.0004)	(0.0016)	0.0035	0.0014	0.0006	0.0001	0.0000	(0.0005)
60 mph	(0.0020)	(0.0002)	(0.0008)	0.0021	0.0008	0.0004	0.0050	0.0001	0.0055
65 mph	(0.0017)	(0.0002)	(0.0007)	0.0006	0.0003	0.0001	-	-	(0.0015)
70 mph	(0.0440)	(0.0043)	(0.0168)	0.0157	0.0076	0.0032	-	-	(0.0386)
total	(0.0031)	(0.0003)	(0.0008)	0.0743	0.0296	0.0128	0.0113	0.0002	0.1241

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0002	0.0000	0.0002	0.0115	0.0066	0.0068	0.0319	0.0573
15 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0011	0.0015	0.0070	0.0117
20 mph	0.0001	0.0002	0.0000	0.0001	0.0095	0.0057	0.0039	0.0149	0.0344
25 mph	0.0003	0.0005	0.0001	0.0005	0.0328	0.0197	0.0157	0.0658	0.1354
30 mph	0.0003	0.0004	0.0001	0.0004	0.0276	0.0165	0.0137	0.0574	0.1163
35 mph	0.0001	0.0002	0.0000	0.0002	0.0147	0.0087	0.0066	0.0278	0.0584
40 mph	0.0001	0.0001	0.0000	0.0001	0.0059	0.0034	0.0074	0.0313	0.0482
45 mph	0.0000	0.0001	0.0000	0.0001	0.0037	0.0022	0.0124	0.0525	0.0708
50 mph	0.0000	0.0001	0.0000	0.0000	0.0036	0.0021	0.0196	0.0823	0.1077
55 mph	0.0001	0.0001	0.0000	0.0001	0.0062	0.0036	0.0023	0.0098	0.0221
60 mph	0.0000	0.0001	0.0000	0.0001	0.0041	0.0023	0.0114	0.0484	0.0663
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0011	0.0019	0.0004	0.0017	0.1214	0.0719	0.1014	0.4289	0.7287

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0001)	(0.0001)	(0.0000)	0.0000	0.0033	0.0020	0.0031	0.0116	0.0199
25 mph	(0.0001)	(0.0001)	(0.0000)	0.0000	0.0041	0.0025	0.0059	0.0247	0.0370
30 mph	(0.0001)	(0.0001)	(0.0000)	0.0001	0.0060	0.0036	0.0160	0.0672	0.0927
35 mph	(0.0001)	(0.0002)	(0.0000)	0.0001	0.0088	0.0052	0.0233	0.0977	0.1347
40 mph	(0.0002)	(0.0003)	(0.0001)	0.0001	0.0123	0.0072	0.0347	0.1465	0.2003
45 mph	(0.0003)	(0.0006)	(0.0001)	0.0002	0.0252	0.0147	0.0322	0.1366	0.2079
50 mph	(0.0003)	(0.0005)	(0.0001)	0.0002	0.0208	0.0120	0.0250	0.1051	0.1623
55 mph	(0.0002)	(0.0004)	(0.0001)	0.0001	0.0148	0.0086	0.0106	0.0460	0.0795
60 mph	(0.0001)	(0.0002)	(0.0000)	0.0001	0.0076	0.0043	0.9352	3.9657	4.9126
65 mph	(0.0001)	(0.0001)	(0.0000)	0.0000	0.0043	0.0024	-	-	0.0065
70 mph	(0.0013)	(0.0032)	(0.0004)	0.0008	0.1575	0.0745	-	-	0.2279
total	(0.0028)	(0.0057)	(0.0009)	0.0017	0.2647	0.1372	1.0861	4.6010	6.0812

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0585	0.0286	0.0014	0.0034	0.0920
15 mph	0.0005	0.0009	0.0002	0.0001	0.0081	0.0048	0.0031	0.0139	0.0315
25 mph	-	-	-	-	0.0133	0.0080	0.0101	0.0423	0.0736
35 mph	0.0007	0.0012	0.0003	0.0002	-	-	-	-	0.0024
total	0.0013	0.0021	0.0004	0.0002	0.0798	0.0414	0.0146	0.0596	0.1994

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0585	0.0286	0.0014	0.0034	0.0920
10 mph	0.0001	0.0002	0.0000	0.0002	0.0115	0.0066	0.0068	0.0319	0.0573
15 mph	0.0005	0.0009	0.0002	0.0001	0.0100	0.0059	0.0046	0.0209	0.0432
20 mph	0.0000	0.0001	0.0000	0.0002	0.0128	0.0076	0.0070	0.0265	0.0542
25 mph	0.0003	0.0004	0.0001	0.0005	0.0503	0.0301	0.0316	0.1327	0.2460
30 mph	0.0002	0.0003	0.0001	0.0005	0.0336	0.0201	0.0297	0.1246	0.2090
35 mph	0.0007	0.0012	0.0003	0.0004	0.0235	0.0139	0.0299	0.1255	0.1955
40 mph	(0.0001)	(0.0002)	(0.0000)	0.0002	0.0181	0.0107	0.0421	0.1777	0.2485
45 mph	(0.0003)	(0.0005)	(0.0001)	0.0003	0.0288	0.0169	0.0446	0.1891	0.2787
50 mph	(0.0002)	(0.0004)	(0.0001)	0.0002	0.0244	0.0141	0.0446	0.1874	0.2699
55 mph	(0.0001)	(0.0003)	(0.0001)	0.0002	0.0210	0.0121	0.0129	0.0558	0.1016
60 mph	(0.0001)	(0.0001)	(0.0000)	0.0001	0.0117	0.0067	0.9466	4.0140	4.9789
65 mph	(0.0001)	(0.0001)	(0.0000)	0.0000	0.0043	0.0024	-	-	0.0065
70 mph	(0.0013)	(0.0032)	(0.0004)	0.0008	0.1575	0.0745	-	-	0.2279
total	(0.0004)	(0.0017)	(0.0001)	0.0037	0.4660	0.2504	1.2020	5.0895	7.0094

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0012	0.0012
15 mph								0.0003	0.0003
20 mph								0.0007	0.0007
25 mph								0.0027	0.0027
30 mph								0.0020	0.0020
35 mph								0.0008	0.0008
40 mph								0.0006	0.0006
45 mph								0.0008	0.0008
50 mph								0.0010	0.0010
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0101	0.0101

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0006	0.0006
25 mph								0.0010	0.0010
30 mph								0.0023	0.0023
35 mph								0.0027	0.0027
40 mph								0.0030	0.0030
45 mph								0.0022	0.0022
50 mph								0.0013	0.0013
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0066	0.0066

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
15 mph								0.0006	0.0006
25 mph								0.0017	0.0017
35 mph								-	-
total	-	-	-	-	-	-	-	0.0032	0.0032

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
10 mph								0.0012	0.0012
15 mph								0.0008	0.0008
20 mph								0.0013	0.0013
25 mph								0.0054	0.0054
30 mph								0.0043	0.0043
35 mph								0.0034	0.0034
40 mph								0.0037	0.0037
45 mph								0.0030	0.0030
50 mph								0.0024	0.0024
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0264	0.0264

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0606	0.0296	0.0020	0.0043	0.0966
10 mph	0.0058	0.0008	0.0023	0.0056	0.0130	0.0072	0.0074	0.0331	0.0752
15 mph	0.0239	0.0032	0.0093	0.0038	0.0111	0.0065	0.0049	0.0218	0.0844
20 mph	0.0017	0.0002	0.0007	0.0043	0.0141	0.0082	0.0074	0.0277	0.0643
25 mph	0.0091	0.0013	0.0035	0.0119	0.0547	0.0321	0.0330	0.1381	0.2837
30 mph	0.0056	0.0008	0.0022	0.0094	0.0363	0.0213	0.0307	0.1289	0.2351
35 mph	0.0231	0.0034	0.0090	0.0082	0.0252	0.0147	0.0306	0.1289	0.2430
40 mph	(0.0034)	(0.0005)	(0.0013)	0.0033	0.0193	0.0112	0.0427	0.1814	0.2529
45 mph	(0.0087)	(0.0013)	(0.0034)	0.0045	0.0307	0.0177	0.0450	0.1921	0.2766
50 mph	(0.0070)	(0.0011)	(0.0027)	0.0038	0.0259	0.0148	0.0450	0.1897	0.2684
55 mph	(0.0043)	(0.0007)	(0.0016)	0.0037	0.0224	0.0127	0.0130	0.0558	0.1011
60 mph	(0.0020)	(0.0003)	(0.0008)	0.0022	0.0125	0.0070	0.9516	4.0141	4.9843
65 mph	(0.0018)	(0.0003)	(0.0007)	0.0007	0.0046	0.0025	-	-	0.0050
70 mph	(0.0453)	(0.0075)	(0.0172)	0.0165	0.1651	0.0778	-	-	0.1893
STREX	0.0034	0.0003	0.0013	0.0054	0.0003	0.0001	0.0001	0.0000	0.0109
total	(0.0000)	(0.0017)	0.0004	0.0834	0.4959	0.2634	1.2134	5.1161	**7.1708**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0016	0.0020	0.0016	0.0016	0.0004	0.0003	0.0004	0.0006
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0034	0.0003	0.0013	0.0054	0.0003	0.0001	0.0001	0.0000
Diesel	-	-	-	-	-	-	-	-
Electri/NGc	-	-	-	-	-	-	-	-
Total	0.0034	0.0003	0.0013	0.0054	0.0003	0.0001	0.0001	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.4442	0.0328	0.1640	0.3997	0.2541	0.1414	0.1210	0.0009
Diesel	0.0038	0.0003	0.0014	0.0077	0.3287	0.1822	1.4716	1.4907
Electric/NG	0.0286	0.0021	0.0106	-	-	-	-	0.0842
Total	0.4767	0.0352	0.1760	0.4074	0.5829	0.3236	1.5926	1.5758

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	(1.4342)	(0.1058)	(0.5295)	0.4915	0.5341	0.2971	0.5671	0.0044
Diesel	(0.0123)	(0.0009)	(0.0045)	0.0095	0.6909	0.3829	6.8942	6.9837
Electric/NG	(0.0923)	(0.0068)	(0.0341)	-	-	-	-	0.3945
Total	(1.5388)	(0.1135)	(0.5682)	0.5010	1.2249	0.6800	7.4613	7.3827

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.4675	0.0345	0.1726	0.0536	0.0364	0.0203	0.0242	0.0002
Diesel	0.0040	0.0003	0.0015	0.0010	0.0471	0.0261	0.2945	0.2983
Electric/NG	0.0301	0.0022	0.0111	-	-	-	-	0.0169
Total	0.5016	0.0370	0.1852	0.0547	0.0835	0.0464	0.3187	0.3154

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	(0.5224)	(0.0385)	(0.1929)	0.9448	0.8247	0.4588	0.7123	0.0055	2.1922
Diesel	(0.0045)	(0.0003)	(0.0017)	0.0183	1.0667	0.5912	8.6603	8.7727	19.1027
Electric/NG	(0.0336)	(0.0025)	(0.0124)	-	-	-	-	0.4956	0.4470
Total	(0.5606)	(0.0414)	(0.2070)	0.9631	1.8914	1.0499	9.3726	9.2739	**21.7419**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	7.9619
Internal	9.9223
Total	**17.8843**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0467	0.0228	0.0015	0.0033	0.0744
10 mph	0.0037	0.0005	0.0014	0.0036	0.0100	0.0056	0.0057	0.0255	0.0560
15 mph	0.0153	0.0021	0.0059	0.0024	0.0086	0.0050	0.0038	0.0168	0.0598
20 mph	0.0011	0.0001	0.0004	0.0028	0.0109	0.0063	0.0057	0.0214	0.0486
25 mph	0.0058	0.0008	0.0023	0.0076	0.0421	0.0247	0.0254	0.1064	0.2151
30 mph	0.0036	0.0005	0.0014	0.0060	0.0279	0.0164	0.0236	0.0993	0.1787
35 mph	0.0148	0.0022	0.0057	0.0053	0.0194	0.0113	0.0235	0.0993	0.1814
40 mph	(0.0022)	(0.0003)	(0.0008)	0.0021	0.0149	0.0086	0.0329	0.1397	0.1949
45 mph	(0.0056)	(0.0009)	(0.0022)	0.0029	0.0236	0.0136	0.0347	0.1479	0.2141
50 mph	(0.0045)	(0.0007)	(0.0017)	0.0025	0.0200	0.0114	0.0346	0.1461	0.2076
55 mph	(0.0027)	(0.0004)	(0.0011)	0.0024	0.0173	0.0098	0.0100	0.0430	0.0782
60 mph	(0.0013)	(0.0002)	(0.0005)	0.0014	0.0096	0.0054	0.7328	3.0909	3.8381
65 mph	(0.0011)	(0.0002)	(0.0004)	0.0004	0.0035	0.0019	-	-	0.0041
70 mph	(0.0290)	(0.0048)	(0.0110)	0.0106	0.1271	0.0599	-	-	0.1527
total	(0.0022)	(0.0013)	(0.0006)	0.0499	0.3816	0.2027	0.9343	3.9394	5.5038

World Logistics Center
Mobile Emissions - Medium EV 2025 (Net) - Mitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0057	0.0100	0.0081	0.0096	0.0132	0.0149	0.0233	0.2032
15 mph	0.0050	0.0087	0.0070	0.0084	0.0116	0.0131	0.0207	0.1796
20 mph	0.0045	0.0077	0.0063	0.0075	0.0107	0.0118	0.0187	0.1627
25 mph	0.0041	0.0070	0.0057	0.0068	0.0098	0.0108	0.0169	0.1492
30 mph	0.0038	0.0064	0.0053	0.0063	0.0092	0.0101	0.0155	0.1394
35 mph	0.0036	0.0061	0.0050	0.0059	0.0088	0.0095	0.0145	0.1324
40 mph	0.0034	0.0058	0.0047	0.0057	0.0085	0.0091	0.0139	0.1272
45 mph	0.0033	0.0056	0.0046	0.0055	0.0084	0.0089	0.0134	0.1240
50 mph	0.0033	0.0056	0.0046	0.0055	0.0084	0.0088	0.0133	0.1230
55 mph	0.0033	0.0058	0.0046	0.0056	0.0085	0.0089	0.0135	0.1248
60 mph	0.0034	0.0061	0.0049	0.0059	0.0089	0.0093	0.0139	0.1289
65 mph	0.0036	0.0066	0.0051	0.0062	0.0093	0.0097	0.0147	0.1346
70 mph	0.0038	0.0074	0.0053	0.0067	0.0104	0.0100	0.0146	0.1442

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0613	0.1353	0.0828	0.1031	0.1491	0.1668	0.2923	0.4418
15 mph	0.0504	0.1126	0.0687	0.0873	0.0969	0.1106	0.2300	0.3430
20 mph	0.0414	0.0924	0.0564	0.0725	0.0827	0.0944	0.1964	0.2895
25 mph	0.0347	0.0772	0.0473	0.0615	0.0734	0.0842	0.1714	0.2470
30 mph	0.0301	0.0665	0.0409	0.0532	0.0667	0.0760	0.1505	0.2167
35 mph	0.0272	0.0596	0.0369	0.0484	0.0669	0.0762	0.1344	0.1936
40 mph	0.0255	0.0555	0.0344	0.0453	0.0652	0.0735	0.1231	0.1777
45 mph	0.0246	0.0536	0.0332	0.0436	0.0636	0.0707	0.1167	0.1686
50 mph	0.0247	0.0536	0.0333	0.0439	0.0667	0.0734	0.1151	0.1654
55 mph	0.0258	0.0560	0.0348	0.0463	0.0697	0.0759	0.1184	0.1724
60 mph	0.0280	0.0607	0.0377	0.0501	0.0703	0.0761	0.1265	0.1827
65 mph	0.0315	0.0677	0.0423	0.0565	0.0715	0.0766	0.1395	0.1983
70 mph	0.0344	0.0706	0.0451	0.0619	0.0735	0.0786	0.1406	0.2008

*US EPA Emission Factors for Greenhouse Gas Inventories.
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.9491
15 mph								0.7965
20 mph								0.6951
25 mph								0.6401
30 mph								0.6049
35 mph								0.5770
40 mph								0.5542
45 mph								0.5351
50 mph								0.5187
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0064	0.0008	0.0033	0.0097	0.0043	0.0024	0.0034	0.0004	0.0308
15 mph	0.0012	0.0002	0.0007	0.0019	0.0008	0.0005	0.0008	0.0001	0.0062
20 mph	0.0067	0.0009	0.0035	0.0101	0.0047	0.0025	0.0023	0.0003	0.0310
25 mph	0.0255	0.0032	0.0132	0.0383	0.0179	0.0095	0.0087	0.0011	0.1174
30 mph	0.0227	0.0029	0.0117	0.0340	0.0162	0.0085	0.0064	0.0008	0.1032
35 mph	0.0125	0.0016	0.0064	0.0187	0.0091	0.0047	0.0024	0.0003	0.0557
40 mph	0.0051	0.0006	0.0026	0.0077	0.0038	0.0019	0.0020	0.0003	0.0240
45 mph	0.0033	0.0004	0.0017	0.0050	0.0024	0.0012	0.0025	0.0003	0.0169
50 mph	0.0033	0.0004	0.0017	0.0049	0.0024	0.0012	0.0030	0.0004	0.0174
55 mph	0.0058	0.0008	0.0030	0.0088	0.0044	0.0022	0.0003	0.0000	0.0252
60 mph	0.0039	0.0005	0.0020	0.0059	0.0029	0.0015	0.0011	0.0002	0.0180
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0964	0.0122	0.0498	0.1451	0.0690	0.0361	0.0329	0.0043	0.4458

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0036)	(0.0005)	(0.0019)	0.0021	0.0016	0.0009	0.0018	0.0002	0.0007
25 mph	(0.0049)	(0.0006)	(0.0026)	0.0028	0.0023	0.0012	0.0033	0.0004	0.0018
30 mph	(0.0076)	(0.0010)	(0.0039)	0.0044	0.0035	0.0019	0.0075	0.0010	0.0057
35 mph	(0.0115)	(0.0014)	(0.0059)	0.0066	0.0054	0.0028	0.0084	0.0011	0.0055
40 mph	(0.0165)	(0.0021)	(0.0085)	0.0094	0.0079	0.0041	0.0094	0.0012	0.0049
45 mph	(0.0346)	(0.0044)	(0.0178)	0.0199	0.0167	0.0085	0.0065	0.0009	(0.0044)
50 mph	(0.0290)	(0.0037)	(0.0149)	0.0167	0.0141	0.0071	0.0038	0.0005	(0.0053)
55 mph	(0.0213)	(0.0028)	(0.0111)	0.0124	0.0105	0.0053	0.0013	0.0002	(0.0055)
60 mph	(0.0111)	(0.0015)	(0.0058)	0.0065	0.0054	0.0027	0.0940	0.0126	0.1030
65 mph	(0.0058)	(0.0008)	(0.0030)	0.0034	0.0029	0.0014	-	-	(0.0019)
70 mph	(0.1430)	(0.0208)	(0.0749)	0.0868	0.0753	0.0346	-	-	(0.0420)
total	(0.2891)	(0.0395)	(0.1503)	0.1710	0.1458	0.0705	0.1360	0.0182	0.0625

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0008	0.0004	0.0002	0.0000	0.0014
15 mph	0.0333	0.0043	0.0174	0.0065	0.0036	0.0019	0.0017	0.0002	0.0688
25 mph	-	-	-	-	0.0073	0.0038	0.0056	0.0007	0.0174
35 mph	0.0701	0.0088	0.0360	0.0133	-	-	-	-	0.1283
total	0.1034	0.0131	0.0534	0.0198	0.0117	0.0062	0.0075	0.0009	0.2160

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0008	0.0004	0.0002	0.0000	0.0014
10 mph	0.0064	0.0008	0.0033	0.0097	0.0043	0.0024	0.0034	0.0004	0.0308
15 mph	0.0345	0.0044	0.0180	0.0084	0.0044	0.0024	0.0025	0.0003	0.0750
20 mph	0.0031	0.0004	0.0016	0.0122	0.0063	0.0034	0.0041	0.0005	0.0316
25 mph	0.0206	0.0026	0.0106	0.0411	0.0275	0.0145	0.0176	0.0023	0.1367
30 mph	0.0151	0.0019	0.0078	0.0384	0.0197	0.0104	0.0139	0.0018	0.1089
35 mph	0.0711	0.0089	0.0365	0.0387	0.0145	0.0075	0.0108	0.0014	0.1894
40 mph	(0.0114)	(0.0014)	(0.0059)	0.0171	0.0116	0.0060	0.0114	0.0015	0.0290
45 mph	(0.0313)	(0.0040)	(0.0161)	0.0248	0.0192	0.0098	0.0089	0.0012	0.0125
50 mph	(0.0257)	(0.0033)	(0.0133)	0.0216	0.0166	0.0084	0.0068	0.0009	0.0121
55 mph	(0.0156)	(0.0020)	(0.0081)	0.0212	0.0149	0.0075	0.0016	0.0002	0.0197
60 mph	(0.0072)	(0.0010)	(0.0038)	0.0124	0.0084	0.0042	0.0952	0.0128	0.1210
65 mph	(0.0058)	(0.0008)	(0.0030)	0.0034	0.0029	0.0014	-	-	(0.0019)
70 mph	(0.1430)	(0.0208)	(0.0749)	0.0868	0.0753	0.0346	-	-	(0.0420)
total	(0.0892)	(0.0142)	(0.0471)	0.3359	0.2264	0.1127	0.1764	0.0234	0.7243

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0001	0.0003	0.0020	0.0617	0.0332	0.5116	1.3208	1.9303
15 mph	0.0001	0.0000	0.0001	0.0004	0.0089	0.0049	0.1150	0.2930	0.4224
20 mph	0.0005	0.0001	0.0003	0.0019	0.0456	0.0250	0.2947	0.7419	1.1100
25 mph	0.0019	0.0003	0.0009	0.0067	0.1687	0.0930	1.0716	2.6376	3.9807
30 mph	0.0016	0.0003	0.0008	0.0056	0.1473	0.0806	0.7525	1.8510	2.8395
35 mph	0.0008	0.0001	0.0004	0.0030	0.0861	0.0471	0.2688	0.6616	1.0679
40 mph	0.0003	0.0001	0.0002	0.0012	0.0360	0.0195	0.2154	0.5312	0.8038
45 mph	0.0002	0.0000	0.0001	0.0008	0.0234	0.0125	0.2625	0.6481	0.9475
50 mph	0.0002	0.0000	0.0001	0.0008	0.0245	0.0130	0.3165	0.7773	1.1324
55 mph	0.0004	0.0001	0.0002	0.0014	0.0448	0.0235	0.0296	0.0736	0.1736
60 mph	0.0003	0.0000	0.0001	0.0010	0.0291	0.0151	0.1265	0.3122	0.4844
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0069	0.0011	0.0034	0.0246	0.6761	0.3674	3.9647	9.8482	14.8926

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0003)	(0.0000)	(0.0001)	0.0004	0.0160	0.0088	0.2301	0.5793	0.8340
25 mph	(0.0004)	(0.0001)	(0.0002)	0.0005	0.0213	0.0117	0.4016	0.9886	1.4231
30 mph	(0.0005)	(0.0001)	(0.0003)	0.0007	0.0322	0.0176	0.8813	2.1680	3.0991
35 mph	(0.0008)	(0.0001)	(0.0004)	0.0010	0.0517	0.0283	0.9445	2.3246	3.3489
40 mph	(0.0011)	(0.0002)	(0.0005)	0.0015	0.0756	0.0410	1.0094	2.4886	3.6142
45 mph	(0.0022)	(0.0004)	(0.0011)	0.0030	0.1597	0.0854	0.6832	1.6867	2.6144
50 mph	(0.0019)	(0.0003)	(0.0009)	0.0026	0.1418	0.0750	0.4044	0.9932	1.6138
55 mph	(0.0014)	(0.0002)	(0.0007)	0.0020	0.1077	0.0564	0.1387	0.3449	0.6472
60 mph	(0.0008)	(0.0001)	(0.0004)	0.0011	0.0543	0.0283	10.3739	25.5940	36.0503
65 mph	(0.0004)	(0.0001)	(0.0002)	0.0006	0.0276	0.0142	-	-	0.0417
70 mph	(0.0112)	(0.0017)	(0.0054)	0.0156	0.6669	0.3431	-	-	1.0073
total	(0.0209)	(0.0033)	(0.0103)	0.0290	1.3549	0.7097	15.0671	37.1678	54.2940

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0002	0.0010	0.0017	0.0032
15 mph	0.0029	0.0005	0.0015	0.0013	0.0374	0.0205	0.2276	0.5797	0.8714
25 mph	-	-	-	-	0.0684	0.0377	0.6882	1.6940	2.4883
35 mph	0.0046	0.0007	0.0023	0.0021	-	-	-	-	0.0097
total	0.0075	0.0012	0.0038	0.0034	0.1062	0.0584	0.9168	2.2755	3.3727

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0002	0.0010	0.0017	0.0032
10 mph	0.0006	0.0001	0.0003	0.0020	0.0617	0.0332	0.5116	1.3208	1.9303
15 mph	0.0030	0.0005	0.0015	0.0017	0.0463	0.0254	0.3426	0.8727	1.2937
20 mph	0.0002	0.0000	0.0001	0.0023	0.0616	0.0338	0.5248	1.3211	1.9441
25 mph	0.0015	0.0002	0.0008	0.0072	0.2583	0.1424	2.1615	5.3202	7.8921
30 mph	0.0010	0.0002	0.0005	0.0063	0.1795	0.0983	1.6338	4.0190	5.9386
35 mph	0.0047	0.0008	0.0023	0.0061	0.1378	0.0754	1.2133	2.9862	4.4265
40 mph	(0.0007)	(0.0001)	(0.0004)	0.0026	0.1115	0.0605	1.2248	3.0198	4.4180
45 mph	(0.0020)	(0.0003)	(0.0010)	0.0038	0.1831	0.0979	0.9457	2.3348	3.5619
50 mph	(0.0017)	(0.0003)	(0.0008)	0.0034	0.1664	0.0879	0.7209	1.7705	2.7462
55 mph	(0.0010)	(0.0002)	(0.0005)	0.0034	0.1525	0.0798	0.1683	0.4185	0.8208
60 mph	(0.0005)	(0.0001)	(0.0003)	0.0021	0.0834	0.0434	10.5004	25.9061	36.5346
65 mph	(0.0004)	(0.0001)	(0.0002)	0.0006	0.0276	0.0142	-	-	0.0417
70 mph	(0.0112)	(0.0017)	(0.0054)	0.0156	0.6669	0.3431	-	-	1.0073
total	(0.0066)	(0.0009)	(0.0031)	0.0571	2.1372	1.1355	19.9486	49.2915	72.5592

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1578	0.1578
15 mph								0.0378	0.0378
20 mph								0.0990	0.0990
25 mph								0.3800	0.3800
30 mph								0.2873	0.2873
35 mph								0.1096	0.1096
40 mph								0.0921	0.0921
45 mph								0.1144	0.1144
50 mph								0.1355	0.1355
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.4135	1.4135

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0773	0.0773
25 mph								0.1424	0.1424
30 mph								0.3365	0.3365
35 mph								0.3852	0.3852
40 mph								0.4316	0.4316
45 mph								0.2976	0.2976
50 mph								0.1731	0.1731
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.9414	0.9414

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
15 mph								0.0748	0.0748
25 mph								0.2441	0.2441
35 mph								-	-
total	-	-	-	-	-	-	-	0.3192	0.3192

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
10 mph								0.1578	0.1578
15 mph								0.1127	0.1127
20 mph								0.1764	0.1764
25 mph								0.7665	0.7665
30 mph								0.6238	0.6238
35 mph								0.4948	0.4948
40 mph								0.5237	0.5237
45 mph								0.4120	0.4120
50 mph								0.3086	0.3086
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.5765	3.5765

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0012	0.0006	0.0012	0.0020	0.0050
10 mph	0.0070	0.0009	0.0036	0.0117	0.0660	0.0355	0.5150	1.4790	2.1189
15 mph	0.0375	0.0049	0.0195	0.0101	0.0508	0.0278	0.3451	0.9857	1.4815
20 mph	0.0034	0.0004	0.0017	0.0145	0.0679	0.0372	0.5289	1.4980	2.1521
25 mph	0.0221	0.0028	0.0114	0.0483	0.2858	0.1570	2.1790	6.0890	8.7953
30 mph	0.0161	0.0021	0.0083	0.0447	0.1992	0.1086	1.6477	4.6446	6.6713
35 mph	0.0757	0.0097	0.0388	0.0448	0.1523	0.0830	1.2241	3.4824	5.1108
40 mph	(0.0121)	(0.0016)	(0.0062)	0.0198	0.1231	0.0664	1.2362	3.5450	4.9707
45 mph	(0.0333)	(0.0043)	(0.0171)	0.0286	0.2023	0.1076	0.9546	2.7480	3.9864
50 mph	(0.0274)	(0.0036)	(0.0141)	0.0250	0.1830	0.0963	0.7277	2.0800	3.0670
55 mph	(0.0166)	(0.0022)	(0.0086)	0.0246	0.1674	0.0873	0.1699	0.4187	0.8405
60 mph	(0.0077)	(0.0010)	(0.0040)	0.0145	0.0918	0.0476	10.5956	25.9189	36.6556
65 mph	(0.0062)	(0.0009)	(0.0033)	0.0040	0.0305	0.0157	-	-	0.0398
70 mph	(0.1542)	(0.0225)	(0.0803)	0.1024	0.7423	0.3777	-	-	0.9654
STREX	0.0498	0.0041	0.0221	0.0975	0.0343	0.0165	0.0076	0.0000	0.2318
total	(0.0460)	(0.0110)	(0.0281)	0.4904	2.3978	1.2648	20.1325	52.8914	**77.0919**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0228	0.0252	0.0273	0.0297	0.0385	0.0385	0.0291	0.0089
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0498	0.0041	0.0221	0.0975	0.0343	0.0165	0.0076	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0498	0.0041	0.0221	0.0975	0.0343	0.0165	0.0076	0.0000

World Logistics Center
Mobile Emissions - Medium EV 2025 (Net) - Mitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					2.1916	2.2071	3.3551	2.5449
10 mph	0.0074	0.0170	0.0122	0.0151	0.0169	0.0133	0.0290	0.3246
15 mph	0.0049	0.0115	0.0082	0.0101	0.0115	0.0089	0.0194	0.2152
20 mph	0.0035	0.0083	0.0058	0.0072	0.0084	0.0064	0.0138	0.1523
25 mph	0.0026	0.0062	0.0043	0.0053	0.0063	0.0047	0.0101	0.1131
30 mph	0.0020	0.0049	0.0034	0.0042	0.0050	0.0037	0.0077	0.0887
35 mph	0.0016	0.0040	0.0028	0.0034	0.0042	0.0031	0.0063	0.0735
40 mph	0.0014	0.0035	0.0024	0.0030	0.0038	0.0027	0.0055	0.0643
45 mph	0.0013	0.0032	0.0022	0.0027	0.0035	0.0025	0.0050	0.0592
50 mph	0.0012	0.0031	0.0021	0.0026	0.0034	0.0024	0.0048	0.0574
55 mph	0.0013	0.0031	0.0021	0.0027	0.0035	0.0024	0.0050	0.0587
60 mph	0.0013	0.0033	0.0022	0.0028	0.0038	0.0026	0.0053	0.0629
65 mph	0.0015	0.0036	0.0025	0.0031	0.0043	0.0030		
70 mph	0.0016	0.0043	0.0026	0.0034	0.0046	0.0029		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0235	0.1100
10 mph	0.0051	0.0222	0.0090	0.0052	0.0252	0.0253	0.0015	0.0039
15 mph	0.0026	0.0151	0.0044	0.0025	0.0130	0.0130	0.0008	0.0021
20 mph	0.0011	0.0108	0.0017	0.0010	0.0060	0.0059	0.0006	0.0013
25 mph	0.0007	0.0085	0.0011	0.0006	0.0039	0.0039	0.0004	0.0011
30 mph	0.0006	0.0071	0.0008	0.0005	0.0031	0.0030	0.0004	0.0009
35 mph	0.0004	0.0062	0.0006	0.0004	0.0026	0.0025	0.0003	0.0007
40 mph	0.0004	0.0056	0.0005	0.0003	0.0023	0.0022	0.0003	0.0006
45 mph	0.0003	0.0054	0.0005	0.0003	0.0021	0.0020	0.0002	0.0006
50 mph	0.0003	0.0054	0.0004	0.0003	0.0019	0.0018	0.0002	0.0006
55 mph	0.0003	0.0056	0.0004	0.0002	0.0019	0.0018	0.0003	0.0006
60 mph	0.0003	0.0061	0.0003	0.0002	0.0019	0.0018	0.0003	0.0007
65 mph	0.0003	0.0070	0.0003	0.0002	0.0022	0.0020		
70 mph	0.0003	0.0083	0.0004	0.0003	0.0035	0.0030		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.9532
10 mph								11.9451
15 mph								8.1202
20 mph								5.6812
25 mph								4.1725
30 mph								3.1045
35 mph								2.3139
40 mph								1.7296
45 mph								1.2992
50 mph								0.9841
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0083	0.0014	0.0051	0.0153	0.0056	0.0021	0.0042	0.0007	0.0426
15 mph	0.0012	0.0002	0.0008	0.0023	0.0008	0.0003	0.0008	0.0001	0.0066
20 mph	0.0052	0.0009	0.0032	0.0097	0.0037	0.0013	0.0017	0.0003	0.0260
25 mph	0.0160	0.0029	0.0100	0.0300	0.0115	0.0042	0.0052	0.0008	0.0806
30 mph	0.0119	0.0022	0.0075	0.0225	0.0088	0.0031	0.0032	0.0005	0.0597
35 mph	0.0057	0.0010	0.0036	0.0108	0.0043	0.0015	0.0010	0.0002	0.0281
40 mph	0.0021	0.0004	0.0013	0.0040	0.0016	0.0006	0.0008	0.0001	0.0110
45 mph	0.0013	0.0002	0.0008	0.0025	0.0010	0.0003	0.0009	0.0002	0.0073
50 mph	0.0012	0.0002	0.0008	0.0024	0.0010	0.0003	0.0011	0.0002	0.0073
55 mph	0.0022	0.0004	0.0014	0.0042	0.0018	0.0006	0.0001	0.0000	0.0107
60 mph	0.0015	0.0003	0.0009	0.0028	0.0012	0.0004	0.0004	0.0001	0.0077
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0567	0.0101	0.0353	0.1065	0.0415	0.0148	0.0194	0.0032	0.2876

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0028)	(0.0005)	(0.0017)	0.0020	0.0013	0.0005	0.0013	0.0002	0.0003
25 mph	(0.0031)	(0.0006)	(0.0019)	0.0022	0.0015	0.0005	0.0019	0.0003	0.0009
30 mph	(0.0040)	(0.0007)	(0.0025)	0.0029	0.0019	0.0007	0.0037	0.0006	0.0026
35 mph	(0.0052)	(0.0010)	(0.0033)	0.0038	0.0026	0.0009	0.0036	0.0006	0.0020
40 mph	(0.0068)	(0.0013)	(0.0043)	0.0050	0.0035	0.0012	0.0037	0.0006	0.0016
45 mph	(0.0136)	(0.0025)	(0.0085)	0.0098	0.0070	0.0024	0.0024	0.0004	(0.0026)
50 mph	(0.0111)	(0.0020)	(0.0069)	0.0080	0.0058	0.0019	0.0014	0.0002	(0.0027)
55 mph	(0.0082)	(0.0015)	(0.0051)	0.0059	0.0044	0.0014	0.0005	0.0001	(0.0025)
60 mph	(0.0043)	(0.0008)	(0.0027)	0.0031	0.0023	0.0008	0.0360	0.0062	0.0407
65 mph	(0.0024)	(0.0004)	(0.0015)	0.0017	0.0013	0.0004	-	-	(0.0008)
70 mph	(0.0601)	(0.0120)	(0.0368)	0.0445	0.0330	0.0100	-	-	(0.0215)
total	(0.1217)	(0.0232)	(0.0753)	0.0889	0.0646	0.0207	0.0547	0.0093	0.0180

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1341	0.0649	0.0573	0.0007	0.2570
15 mph	0.0329	0.0057	0.0203	0.0079	0.0035	0.0013	0.0016	0.0003	0.0734
25 mph	-	-	-	-	0.0047	0.0017	0.0033	0.0005	0.0102
35 mph	0.0319	0.0059	0.0200	0.0077	-	-	-	-	0.0655
total	0.0648	0.0115	0.0403	0.0156	0.1423	0.0679	0.0622	0.0015	0.4061

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1341	0.0649	0.0573	0.0007	0.2570
10 mph	0.0083	0.0014	0.0051	0.0153	0.0056	0.0021	0.0042	0.0007	0.0426
15 mph	0.0341	0.0059	0.0210	0.0102	0.0044	0.0016	0.0024	0.0004	0.0800
20 mph	0.0024	0.0004	0.0015	0.0117	0.0050	0.0018	0.0030	0.0005	0.0263
25 mph	0.0129	0.0023	0.0080	0.0322	0.0177	0.0064	0.0105	0.0017	0.0917
30 mph	0.0079	0.0014	0.0050	0.0254	0.0107	0.0038	0.0069	0.0012	0.0623
35 mph	0.0323	0.0059	0.0203	0.0223	0.0069	0.0024	0.0047	0.0008	0.0956
40 mph	(0.0047)	(0.0009)	(0.0030)	0.0090	0.0051	0.0018	0.0045	0.0008	0.0126
45 mph	(0.0123)	(0.0023)	(0.0077)	0.0123	0.0080	0.0027	0.0033	0.0006	0.0047
50 mph	(0.0098)	(0.0018)	(0.0062)	0.0104	0.0068	0.0023	0.0025	0.0004	0.0046
55 mph	(0.0060)	(0.0011)	(0.0037)	0.0101	0.0062	0.0020	0.0006	0.0001	0.0083
60 mph	(0.0028)	(0.0005)	(0.0017)	0.0060	0.0036	0.0012	0.0365	0.0062	0.0484
65 mph	(0.0024)	(0.0004)	(0.0015)	0.0017	0.0013	0.0004	-	-	(0.0008)
70 mph	(0.0601)	(0.0120)	(0.0368)	0.0445	0.0330	0.0100	-	-	(0.0215)
total	(0.0002)	(0.0015)	0.0004	0.2110	0.2483	0.1034	0.1363	0.0140	0.7117

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0001	0.0104	0.0050	0.0026	0.0116	0.0299
15 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0006	0.0004	0.0018	0.0040
20 mph	0.0000	0.0000	0.0000	0.0000	0.0033	0.0016	0.0009	0.0034	0.0091
25 mph	0.0000	0.0000	0.0000	0.0001	0.0090	0.0043	0.0028	0.0116	0.0278
30 mph	0.0000	0.0000	0.0000	0.0001	0.0069	0.0032	0.0018	0.0075	0.0195
35 mph	0.0000	0.0000	0.0000	0.0000	0.0034	0.0016	0.0006	0.0025	0.0081
40 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0006	0.0004	0.0019	0.0042
45 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0003	0.0005	0.0022	0.0039
50 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0003	0.0006	0.0027	0.0044
55 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0005	0.0001	0.0003	0.0021
60 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0004	0.0003	0.0013	0.0027
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	0.0002	0.0001	0.0001	0.0003	0.0389	0.0184	0.0111	0.0467	0.1157

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0012	0.0005	0.0007	0.0026	0.0050
25 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0011	0.0005	0.0010	0.0044	0.0071
30 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0015	0.0007	0.0021	0.0088	0.0131
35 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0020	0.0009	0.0021	0.0087	0.0137
40 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0027	0.0012	0.0021	0.0087	0.0147
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0052	0.0024	0.0014	0.0057	0.0146
50 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0041	0.0019	0.0008	0.0034	0.0103
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0029	0.0013	0.0003	0.0013	0.0058
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0015	0.0007	0.0249	0.1039	0.1309
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0008	0.0004	-	-	0.0012
70 mph	(0.0001)	(0.0002)	(0.0000)	0.0001	0.0321	0.0131	-	-	0.0449
total	(0.0002)	(0.0004)	(0.0001)	0.0002	0.0551	0.0237	0.0354	0.1476	0.2612

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0113	0.0055	0.0049	0.0390	0.0607
15 mph	0.0001	0.0001	0.0001	0.0000	0.0050	0.0024	0.0008	0.0036	0.0122
25 mph	-	-	-	-	0.0037	0.0017	0.0018	0.0075	0.0146
35 mph	0.0001	0.0001	0.0000	0.0000	-	-	-	-	0.0002
total	0.0002	0.0001	0.0001	0.0001	0.0200	0.0096	0.0075	0.0500	0.0877

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0113	0.0055	0.0049	0.0390	0.0607
10 mph	0.0000	0.0000	0.0000	0.0001	0.0104	0.0050	0.0026	0.0116	0.0299
15 mph	0.0002	0.0001	0.0001	0.0000	0.0062	0.0030	0.0012	0.0054	0.0162
20 mph	0.0000	0.0000	0.0000	0.0000	0.0044	0.0021	0.0015	0.0060	0.0141
25 mph	0.0000	0.0000	0.0000	0.0001	0.0138	0.0065	0.0056	0.0234	0.0495
30 mph	0.0000	0.0000	0.0000	0.0001	0.0084	0.0039	0.0039	0.0163	0.0326
35 mph	0.0001	0.0001	0.0000	0.0001	0.0054	0.0025	0.0027	0.0112	0.0220
40 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0039	0.0018	0.0025	0.0106	0.0188
45 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0059	0.0027	0.0019	0.0080	0.0185
50 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0049	0.0022	0.0015	0.0061	0.0147
55 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0041	0.0019	0.0004	0.0016	0.0079
60 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0023	0.0010	0.0252	0.1052	0.1336
65 mph	(0.0000)	(0.0000)	(0.0000)	0.0000	0.0008	0.0004	-	-	0.0012
70 mph	(0.0001)	(0.0002)	(0.0000)	0.0001	0.0321	0.0131	-	-	0.0449
total	0.0002	(0.0001)	0.0001	0.0005	0.1140	0.0516	0.0539	0.2443	0.4645

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1.9856	1.9856
15 mph								0.3857	0.3857
20 mph								0.8095	0.8095
25 mph								2.4771	2.4771
30 mph								1.4745	1.4745
35 mph								0.4396	0.4396
40 mph								0.2875	0.2875
45 mph								0.2777	0.2777
50 mph								0.2571	0.2571
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	8.3942	8.3942

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.6321	0.6321
25 mph								0.9284	0.9284
30 mph								1.7270	1.7270
35 mph								1.5446	1.5446
40 mph								1.3470	1.3470
45 mph								0.7227	0.7227
50 mph								0.3285	0.3285
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	4.8321	4.8321

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0385	0.0385
15 mph								0.7630	0.7630
25 mph								1.5910	1.5910
35 mph								-	-
total	-	-	-	-	-	-	-	2.3925	2.3925

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0385	0.0385
10 mph								1.9856	1.9856
15 mph								1.1487	1.1487
20 mph								1.4415	1.4415
25 mph								4.9965	4.9965
30 mph								3.2015	3.2015
35 mph								1.9842	1.9842
40 mph								1.6345	1.6345
45 mph								1.0004	1.0004
50 mph								0.5855	0.5855
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	18.0170	18.0170

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1454	0.0704	0.0622	0.0782	0.3561
10 mph	0.0083	0.0014	0.0051	0.0154	0.0160	0.0071	0.0068	1.9979	2.0581
15 mph	0.0343	0.0060	0.0211	0.0102	0.0106	0.0046	0.0036	1.1545	1.2449
20 mph	0.0024	0.0004	0.0015	0.0117	0.0094	0.0039	0.0045	1.4480	1.4819
25 mph	0.0129	0.0023	0.0081	0.0323	0.0315	0.0129	0.0161	5.0216	5.1377
30 mph	0.0079	0.0015	0.0050	0.0255	0.0191	0.0077	0.0108	3.2189	3.2963
35 mph	0.0324	0.0060	0.0203	0.0223	0.0123	0.0049	0.0074	1.9962	2.1018
40 mph	(0.0047)	(0.0009)	(0.0030)	0.0090	0.0090	0.0036	0.0070	1.6459	1.6659
45 mph	(0.0123)	(0.0023)	(0.0077)	0.0123	0.0140	0.0054	0.0052	1.0089	1.0236
50 mph	(0.0099)	(0.0018)	(0.0062)	0.0104	0.0116	0.0045	0.0040	0.5921	0.6048
55 mph	(0.0060)	(0.0011)	(0.0037)	0.0101	0.0103	0.0039	0.0010	0.0017	0.0161
60 mph	(0.0028)	(0.0005)	(0.0017)	0.0060	0.0058	0.0022	0.0616	0.1114	0.1820
65 mph	(0.0024)	(0.0004)	(0.0015)	0.0017	0.0022	0.0008	-	-	0.0004
70 mph	(0.0602)	(0.0122)	(0.0369)	0.0445	0.0651	0.0230	-	-	0.0234
STREX	0.0884	0.0089	0.0443	0.2123	0.0182	0.0089	0.0091	0.0000	0.3901
total	0.0884	0.0073	0.0448	0.4238	0.3805	0.1639	0.1994	18.2753	**19.5833**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0404	0.0552	0.0549	0.0647	0.0204	0.0207	0.0352	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0884	0.0089	0.0443	0.2123	0.0182	0.0089	0.0091	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0884	0.0089	0.0443	0.2123	0.0182	0.0089	0.0091	0.0000

World Logistics Center
Mobile Emissions - Medium EV 2025 (Net) - Mitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,468.89	5,214.53	13,277.60	22,346.84
10 mph	469.05	547.53	572.67	707.71	1,471.68	1,693.02	3,051.34	3,637.55
15 mph	383.33	447.32	467.73	577.37	1,201.85	1,381.63	2,495.55	2,985.27
20 mph	318.85	372.10	389.04	480.33	999.24	1,148.88	2,071.52	2,487.31
25 mph	272.62	318.29	332.83	411.33	854.21	982.10	1,773.08	2,128.18
30 mph	241.94	282.58	295.57	365.80	758.33	871.92	1,575.79	1,887.53
35 mph	224.37	262.17	274.28	340.14	703.42	808.91	1,461.97	1,747.33
40 mph	217.44	254.06	265.78	329.72	681.02	783.20	1,414.70	1,689.61
45 mph	218.55	255.22	266.97	331.04	683.52	786.09	1,420.88	1,691.02
50 mph	225.13	262.85	274.86	341.21	703.72	808.90	1,461.44	1,738.06
55 mph	233.91	273.09	285.65	354.82	732.65	842.13	1,519.05	1,807.02
60 mph	241.00	281.65	294.84	366.71	762.23	876.08	1,579.67	1,878.12
65 mph	246.81	289.02	302.71	377.32	785.43	902.29		
70 mph	249.71	293.57	305.32	387.47	798.31	913.22		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,633.82	5,849.92	5,979.77	5,673.79
10 mph	390.10	860.54	526.75	656.04	948.79	1,061.28	1,859.83	2,810.50
15 mph	320.94	716.13	436.94	555.47	616.76	703.44	1,463.34	2,182.14
20 mph	263.26	588.14	358.92	461.40	526.42	600.76	1,249.79	1,841.67
25 mph	220.78	491.32	300.99	390.96	466.93	535.44	1,090.73	1,571.47
30 mph	191.32	422.79	260.27	338.49	424.61	483.53	957.40	1,378.53
35 mph	173.06	379.02	234.84	308.10	425.68	484.69	854.99	1,231.75
40 mph	161.97	353.12	219.16	288.41	414.65	467.66	783.20	1,130.27
45 mph	156.46	340.90	211.32	277.45	404.63	449.72	742.14	1,072.52
50 mph	157.00	341.02	211.54	279.19	424.59	466.78	732.15	1,052.51
55 mph	164.24	356.51	221.11	294.61	443.26	482.68	753.28	1,096.47
60 mph	178.10	386.27	239.56	319.01	447.35	484.02	804.94	1,162.43
65 mph	200.37	430.54	269.01	359.35	454.73	487.02		
70 mph	218.69	448.99	286.73	393.87	467.29	500.03		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,755.56
10 mph								4,655.76
15 mph								3,906.99
20 mph								3,409.59
25 mph								3,139.99
30 mph								2,967.24
35 mph								2,830.54
40 mph								2,718.59
45 mph								2,624.68
50 mph								2,544.51
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	528.26	45.50	238.14	717.13	484.21	267.81	439.22	7.62	2,727.89
15 mph	95.94	8.26	43.22	130.01	87.87	48.57	102.63	1.79	518.30
20 mph	478.80	41.23	215.71	648.96	438.36	242.31	255.59	4.46	2,325.42
25 mph	1,705.78	146.93	768.92	2,315.61	1,561.39	863.08	911.52	15.91	8,289.15
30 mph	1,453.26	125.23	655.52	1,976.93	1,330.69	735.60	648.08	11.29	6,936.61
35 mph	786.16	67.77	354.84	1,072.30	720.03	398.09	240.51	4.18	3,643.88
40 mph	326.51	28.15	147.37	445.48	298.76	165.19	203.64	3.54	1,618.62
45 mph	218.79	18.85	98.68	298.17	199.90	110.53	262.96	4.55	1,212.45
50 mph	225.37	19.41	101.60	307.34	205.81	113.74	330.58	5.72	1,309.57
55 mph	409.79	35.30	184.78	559.29	374.98	207.22	31.24	0.54	1,803.13
60 mph	271.43	23.40	122.61	371.59	250.79	138.58	129.93	2.25	1,310.58
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	6,500.07	560.04	2,931.40	8,842.81	5,952.79	3,290.73	3,555.90	61.84	31,695.60

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(257.62)	(22.18)	(116.07)	133.00	153.53	84.87	199.57	3.49	178.59
25 mph	(330.41)	(28.46)	(148.94)	170.84	196.87	108.83	341.64	5.96	316.33
30 mph	(488.71)	(42.11)	(220.45)	253.22	291.30	161.03	759.06	13.22	726.55
35 mph	(725.15)	(62.51)	(327.30)	376.72	432.32	239.02	845.08	14.69	792.87
40 mph	(1,054.10)	(90.87)	(475.76)	547.77	627.83	347.14	954.05	16.57	872.63
45 mph	(2,295.59)	(197.79)	(1,035.42)	1,191.58	1,365.30	754.91	684.44	11.85	479.28
50 mph	(2,000.87)	(172.37)	(901.99)	1,039.26	1,189.39	657.31	422.39	7.31	240.43
55 mph	(1,511.93)	(130.24)	(681.75)	785.96	900.58	497.68	146.35	2.53	9.18
60 mph	(778.90)	(67.16)	(351.85)	406.15	468.47	258.87	10,652.98	184.22	10,772.78
65 mph	(398.83)	(34.46)	(180.61)	208.95	241.36	133.31	-	-	(30.28)
70 mph	(9,482.65)	(822.52)	(4,281.08)	5,042.45	5,765.05	3,170.68	-	-	(608.06)
total	(19,324.77)	(1,670.68)	(8,721.20)	10,155.89	11,632.02	6,413.65	15,005.55	259.84	13,750.30

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	273.39	153.37	226.70	6.01	659.47
15 mph	2,560.13	220.42	1,153.41	449.91	369.02	203.96	203.07	3.53	5,163.45
25 mph	-	-	-	-	632.80	349.79	585.44	10.22	1,578.25
35 mph	4,410.73	380.25	1,990.83	762.57	-	-	-	-	7,544.38
total	6,970.86	600.66	3,144.24	1,212.48	1,275.21	707.12	1,015.20	19.76	14,945.55

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	273.39	153.37	226.70	6.01	659.47
10 mph	528.26	45.50	238.14	717.13	484.21	267.81	439.22	7.62	2,727.89
15 mph	2,656.07	228.68	1,196.63	579.93	456.90	252.53	305.70	5.32	5,681.75
20 mph	221.18	19.04	99.64	781.96	591.89	327.18	455.16	7.95	2,504.01
25 mph	1,375.36	118.47	619.98	2,486.45	2,391.07	1,321.70	1,838.60	32.10	10,183.72
30 mph	964.54	83.12	435.08	2,230.15	1,621.99	896.63	1,407.14	24.52	7,663.17
35 mph	4,471.74	385.51	2,018.37	2,211.59	1,152.35	637.12	1,085.59	18.87	11,981.14
40 mph	(727.59)	(62.72)	(328.39)	993.25	926.59	512.33	1,157.68	20.11	2,491.26
45 mph	(2,076.80)	(178.94)	(936.73)	1,489.75	1,565.21	865.45	947.40	16.40	1,691.73
50 mph	(1,775.50)	(152.95)	(800.39)	1,346.60	1,395.20	771.05	752.96	13.02	1,550.00
55 mph	(1,102.15)	(94.94)	(496.97)	1,345.25	1,275.56	704.90	177.58	3.07	1,812.31
60 mph	(507.47)	(43.76)	(229.24)	777.74	719.26	397.46	10,782.91	186.46	12,083.36
65 mph	(398.83)	(34.46)	(180.61)	208.95	241.36	133.31	-	-	(30.28)
70 mph	(9,482.65)	(822.52)	(4,281.08)	5,042.45	5,765.05	3,170.68	-	-	(608.06)
total	(5,853.83)	(509.97)	(2,645.56)	20,211.19	18,860.03	10,411.50	19,576.65	341.45	60,391.45

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	3.77	0.61	1.88	12.88	392.50	211.08	3,254.83	8,402.95	12,280.50
15 mph	0.69	0.11	0.35	2.42	56.70	31.09	731.70	1,864.07	2,687.13
20 mph	3.39	0.56	1.71	12.07	290.37	159.32	1,874.75	4,719.70	7,061.87
25 mph	11.86	1.95	5.97	42.63	1,073.13	591.64	6,817.33	16,780.13	25,324.63
30 mph	9.86	1.61	4.95	35.43	936.83	512.91	4,787.19	11,775.95	18,064.74
35 mph	5.20	0.84	2.61	18.81	547.87	299.92	1,710.05	4,208.83	6,794.12
40 mph	2.09	0.34	1.04	7.55	228.72	124.02	1,370.65	3,379.34	5,113.74
45 mph	1.34	0.22	0.67	4.84	148.79	79.51	1,669.88	4,122.86	6,028.11
50 mph	1.35	0.22	0.67	4.87	156.13	82.52	2,013.49	4,945.03	7,204.28
55 mph	2.47	0.40	1.23	8.99	285.24	149.33	188.33	468.33	1,104.32
60 mph	1.72	0.28	0.86	6.26	185.06	96.27	804.97	1,985.99	3,081.40
65 mph	-	-	-	-	-	-	-	-	-
70 mph	-	-	-	-	-	-	-	-	-
total	43.75	7.12	21.93	156.76	4,301.35	2,337.60	25,223.16	62,653.16	94,744.84

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	-	-	-	-	-	-	-	-	-
15 mph	-	-	-	-	-	-	-	-	-
20 mph	(1.83)	(0.30)	(0.92)	2.47	101.70	55.80	1,463.87	3,685.30	5,306.09
25 mph	(2.30)	(0.38)	(1.16)	3.14	135.31	74.60	2,555.14	6,289.19	9,053.55
30 mph	(3.32)	(0.54)	(1.67)	4.54	205.08	112.28	5,607.00	13,792.57	19,715.94
35 mph	(4.80)	(0.78)	(2.41)	6.61	328.95	180.08	6,008.68	14,788.76	21,305.09
40 mph	(6.74)	(1.08)	(3.37)	9.28	480.64	260.62	6,421.49	15,832.19	22,993.04
45 mph	(14.11)	(2.27)	(7.03)	19.34	1,016.23	543.03	4,346.32	10,730.87	16,632.38
50 mph	(11.98)	(1.92)	(5.96)	16.47	902.30	476.91	2,572.68	6,318.40	10,266.91
55 mph	(9.11)	(1.46)	(4.53)	12.64	685.07	358.66	882.31	2,194.10	4,117.68
60 mph	(4.94)	(0.79)	(2.45)	6.84	345.69	179.83	65,997.56	162,825.95	229,347.69
65 mph	(2.78)	(0.44)	(1.38)	3.85	175.70	90.47	-	-	265.42
70 mph	(71.29)	(10.80)	(34.51)	99.27	4,242.94	2,182.88	-	-	6,408.50
total	(133.18)	(20.76)	(65.38)	184.47	8,619.62	4,515.15	95,855.05	236,457.34	345,412.30

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	279.51	216.34	1,241.30	2,012.15	3,749.30
15 mph	18.40	3.03	9.25	8.38	238.10	130.56	1,447.69	3,688.13	5,543.55
25 mph	-	-	-	-	434.92	239.78	4,378.51	10,777.22	15,830.43
35 mph	29.20	4.72	14.63	13.38	-	-	-	-	61.93
total	47.60	7.75	23.88	21.76	952.53	586.68	7,067.50	16,477.51	25,185.21

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	279.51	216.34	1,241.30	2,012.15	3,749.30
10 mph	3.77	0.61	1.88	12.88	392.50	211.08	3,254.83	8,402.95	12,280.50
15 mph	19.09	3.14	9.60	10.81	294.80	161.65	2,179.38	5,552.21	8,230.68
20 mph	1.57	0.26	0.79	14.55	392.07	215.12	3,338.62	8,404.99	12,367.96
25 mph	9.56	1.57	4.81	45.77	1,643.36	906.01	13,750.98	33,846.55	50,208.61
30 mph	6.55	1.07	3.29	39.97	1,141.91	625.19	10,394.19	25,568.52	37,780.68
35 mph	29.61	4.78	14.83	38.80	876.82	479.99	7,718.72	18,997.59	28,161.14
40 mph	(4.65)	(0.75)	(2.32)	16.83	709.36	384.64	7,792.14	19,211.53	28,106.78
45 mph	(12.76)	(2.05)	(6.36)	24.18	1,165.02	622.53	6,016.19	14,853.73	22,660.49
50 mph	(10.63)	(1.70)	(5.29)	21.34	1,058.43	559.44	4,586.17	11,263.43	17,471.19
55 mph	(6.64)	(1.06)	(3.30)	21.63	970.32	507.99	1,070.64	2,662.43	5,222.00
60 mph	(3.22)	(0.52)	(1.60)	13.10	530.75	276.10	66,802.53	164,811.94	232,429.09
65 mph	(2.78)	(0.44)	(1.38)	3.85	175.70	90.47	-	-	265.42
70 mph	(71.29)	(10.80)	(34.51)	99.27	4,242.94	2,182.88	-	-	6,408.50
total	(41.83)	(5.89)	(19.57)	362.99	13,873.49	7,439.43	128,145.71	315,588.02	465,342.35

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								773.93	773.93
15 mph								185.56	185.56
20 mph								485.81	485.81
25 mph								1,864.15	1,864.15
30 mph								1,409.27	1,409.27
35 mph								537.74	537.74
40 mph								451.91	451.91
45 mph								560.96	560.96
50 mph								664.68	664.68
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	6,934.01	6,934.01

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								379.34	379.34
25 mph								698.68	698.68
30 mph								1,650.61	1,650.61
35 mph								1,889.48	1,889.48
40 mph								2,117.21	2,117.21
45 mph								1,460.05	1,460.05
50 mph								849.27	849.27
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	4,618.11	4,618.11

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								113.48	113.48
15 mph								367.14	367.14
25 mph								1,197.27	1,197.27
35 mph								-	-
total	-	-	-	-	-	-	-	1,677.89	1,677.89

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								113.48	113.48
10 mph								773.93	773.93
15 mph								552.70	552.70
20 mph								865.14	865.14
25 mph								3,760.10	3,760.10
30 mph								3,059.89	3,059.89
35 mph								2,427.22	2,427.22
40 mph								2,569.13	2,569.13
45 mph								2,021.01	2,021.01
50 mph								1,513.95	1,513.95
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	17,656.56	17,656.56

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	552.90	369.71	1,468.01	2,131.65	4,522.26
10 mph	532.03	46.11	240.02	730.01	876.71	478.89	3,694.05	9,184.49	15,782.32
15 mph	2,675.16	231.82	1,206.23	590.73	751.70	414.18	2,485.08	6,110.22	14,465.12
20 mph	222.74	19.30	100.43	796.51	983.96	542.30	3,793.78	9,278.09	15,737.12
25 mph	1,384.92	120.04	624.79	2,532.22	4,034.43	2,227.71	15,589.57	37,638.75	64,152.43
30 mph	971.09	84.18	438.37	2,270.12	2,763.90	1,521.82	11,801.33	28,652.93	48,503.74
35 mph	4,501.35	390.29	2,033.21	2,250.39	2,029.17	1,117.11	8,804.31	21,443.68	42,569.50
40 mph	(732.24)	(63.47)	(330.71)	1,010.07	1,635.95	896.97	8,949.83	21,800.77	33,167.16
45 mph	(2,089.56)	(180.99)	(943.10)	1,513.93	2,730.23	1,487.98	6,963.60	16,891.14	26,373.23
50 mph	(1,786.12)	(154.65)	(805.68)	1,367.94	2,453.64	1,330.48	5,339.13	12,790.41	20,535.14
55 mph	(1,108.79)	(96.00)	(500.27)	1,366.89	2,245.88	1,212.89	1,248.22	2,665.50	7,034.31
60 mph	(510.69)	(44.27)	(230.84)	790.84	1,250.01	673.55	77,585.45	164,998.40	244,512.45
65 mph	(401.61)	(34.90)	(181.99)	212.80	417.06	223.78	-	-	235.15
70 mph	(9,553.93)	(833.32)	(4,315.59)	5,141.73	10,007.99	5,353.56	-	-	5,800.43
STREX	110.03	9.53	50.79	255.81	16.34	8.94	9.49	0.17	461.10
total	(5,785.63)	(506.33)	(2,614.34)	20,829.99	32,749.86	17,859.87	147,731.86	333,586.20	**543,851.47**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	50.28	59.01	62.85	78.00	18.35	20.89	36.56	45.28
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	110.03	9.53	50.79	255.81	16.34	8.94	9.49	0.17
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	110.03	9.53	50.79	255.81	16.34	8.94	9.49	0.17

World Logistics Center
Mobile Emissions - Medium EV 2026 (Net) - Mitigated

Pounds per day

PM2.5 Exhaust	Dust	Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
6.97	24.05	24.40	55.42	5.33	76.43	22.69	591,881.34

Tons per year

PM2.5 Exhaust	Dust	Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
1.27	4.39	4.45	10.12	0.97	13.95	4.14	108,018.34

World Logistics Center
Mobile Emissions - Medium EV 2026 (Net) - Mitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	1,023.96	10.59	56.77	11,653.72	120.51	646.05
LDT1	76.35	0.03	4.19	868.99	0.37	47.67
LDT2	378.89	3.02	20.96	4,312.14	34.41	238.54
MDT	1,491.65	39.76	84.04	22,828.55	608.43	1,286.12
LHDT1	546.67	431.97	-	12,199.98	9,640.30	-
LHDT2	166.66	303.86	-	3,719.23	6,781.13	-
MHDT	262.67	1,345.84	-	11,470.15	58,769.60	-
HHDT	1.74	2,535.33	145.04	75.81	110,712.00	6,333.39

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	8,244.42	85.26	457.05	3,409.30	35.26	189.00
LDT1	614.76	0.26	33.72	254.22	0.11	13.94
LDT2	3,050.62	24.34	168.76	1,261.52	10.07	69.79
MDT	12,249.38	326.47	690.11	10,579.17	281.96	596.01
LHDT1	5,887.53	4,652.26	-	6,312.45	4,988.03	-
LHDT2	1,794.84	3,272.47	-	1,924.38	3,508.66	-
MHDT	2,490.53	12,760.72	-	8,979.62	46,008.87	-
HHDT	16.46	24,039.05	1,375.18	59.35	86,672.95	4,958.22

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	412.22	30.74	152.53	612.47	294.38	89.74	149.43	0.99	1,742.50
15 mph	164.89	12.30	61.01	244.99	117.75	35.90	49.81	0.33	686.97
20 mph	329.78	24.59	122.02	489.98	235.50	71.79	99.62	0.66	1,373.94
25 mph	1,648.88	122.95	610.12	2,449.88	1,177.51	358.97	547.92	3.62	6,919.85
30 mph	1,813.77	135.25	671.14	2,694.86	1,295.26	394.87	498.11	3.29	7,506.54
35 mph	1,484.00	110.66	549.11	2,204.89	1,059.76	323.07	224.15	1.48	5,957.11
40 mph	494.67	36.89	183.04	734.96	353.25	107.69	249.05	1.65	2,161.19
45 mph	412.22	30.74	152.53	612.47	294.38	89.74	199.24	1.32	1,792.64
50 mph	412.22	30.74	152.53	612.47	294.38	89.74	323.77	2.14	1,917.99
55 mph	329.78	24.59	122.02	489.98	235.50	71.79	74.72	0.49	1,348.87
60 mph	659.55	49.18	244.05	979.95	471.00	143.59	74.72	0.49	2,622.53
65 mph	82.44	6.15	30.51	122.49	58.88	17.95	-	-	318.42
70 mph	-	-	-	-	-	-	-	-	-
total	8,244.42	614.76	3,050.62	12,249.38	5,887.53	1,794.84	2,490.53	16.46	34,348.55

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	34.09	2.54	12.62	105.79	63.12	19.24	-	-	237.41
15 mph	34.09	2.54	12.62	105.79	63.12	19.24	-	-	237.41
20 mph	34.09	2.54	12.62	105.79	63.12	19.24	179.59	1.19	418.19
25 mph	68.19	5.08	25.23	211.58	126.25	38.49	314.29	2.08	791.18
30 mph	136.37	10.17	50.46	423.17	252.50	76.98	538.78	3.56	1,491.98
35 mph	306.84	22.88	113.54	952.13	568.12	173.19	538.78	3.56	2,679.03
40 mph	340.93	25.42	126.15	1,057.92	631.24	192.44	493.88	3.26	2,871.25
45 mph	272.74	20.34	100.92	846.33	505.00	153.95	359.18	2.37	2,260.84
50 mph	306.84	22.88	113.54	952.13	568.12	173.19	179.59	1.19	2,317.47
55 mph	170.46	12.71	63.08	528.96	315.62	96.22	89.80	0.59	1,277.44
60 mph	102.28	7.63	37.85	317.38	189.37	57.73	6,285.73	41.54	7,039.51
65 mph	34.09	2.54	12.62	105.79	63.12	19.24	-	-	237.41
70 mph	1,568.28	116.94	580.30	4,866.42	2,903.73	885.22	-	-	10,920.87
total	3,409.30	254.22	1,261.52	10,579.17	6,312.45	1,924.38	8,979.62	59.35	32,780.00

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	37.63	11.47	17.43	0.17	66.70
15 mph	3,269.26	243.78	1,209.70	356.99	188.93	57.60	84.96	0.56	5,411.78
25 mph	-	-	-	-	358.81	109.38	371.78	2.46	842.43
35 mph	14,066.43	1,048.89	5,204.89	1,411.47	-	-	-	-	21,731.69
total	17,335.69	1,292.67	6,414.60	1,768.46	547.74	166.98	456.74	3.02	27,985.90

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	37.63	11.47	17.43	0.17	66.70
10 mph	446.31	33.28	165.15	718.26	357.50	108.99	149.43	0.99	1,979.91
15 mph	3,468.24	258.62	1,283.33	707.77	369.80	112.74	134.77	0.89	6,336.16
20 mph	363.87	27.13	134.64	595.77	298.63	91.04	279.21	1.85	1,792.13
25 mph	1,717.07	128.04	635.35	2,661.46	1,662.56	506.84	1,233.98	8.16	8,553.47
30 mph	1,950.14	145.42	721.60	3,118.03	1,547.75	471.84	1,036.88	6.85	8,998.52
35 mph	15,857.26	1,182.43	5,867.54	4,568.49	1,627.88	496.27	762.92	5.04	30,367.83
40 mph	835.59	62.31	309.19	1,792.88	984.50	300.13	742.93	4.91	5,032.44
45 mph	684.96	51.08	253.45	1,458.80	799.37	243.69	558.43	3.69	4,053.48
50 mph	719.06	53.62	266.07	1,564.59	862.50	262.94	503.36	3.33	4,235.46
55 mph	500.24	37.30	185.10	1,018.93	551.12	168.01	164.51	1.09	2,626.31
60 mph	761.83	56.81	281.90	1,297.33	660.38	201.32	6,360.45	42.04	9,662.04
65 mph	116.54	8.69	43.12	228.29	122.00	37.19	-	-	555.83
70 mph	1,568.28	116.94	580.30	4,866.42	2,903.73	885.22	-	-	10,920.87
total	28,989.41	2,161.66	10,726.73	24,597.02	12,747.71	3,886.21	11,926.89	78.83	95,114.45

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	4.26	0.01	1.22	16.32	232.61	163.62	765.64	1,442.34	2,626.04
15 mph	1.71	0.01	0.49	6.53	93.05	65.45	255.21	480.78	903.22
20 mph	3.41	0.01	0.97	13.06	186.09	130.90	510.43	961.56	1,806.43
25 mph	17.05	0.05	4.87	65.29	930.45	654.49	2,807.36	5,288.59	9,768.16
30 mph	18.76	0.06	5.35	71.82	1,023.50	719.94	2,552.14	4,807.81	9,199.39
35 mph	15.35	0.05	4.38	58.77	837.41	589.05	1,148.47	2,163.51	4,816.97
40 mph	5.12	0.02	1.46	19.59	279.14	196.35	1,276.07	2,403.91	4,181.64
45 mph	4.26	0.01	1.22	16.32	232.61	163.62	1,020.86	1,923.12	3,362.04
50 mph	4.26	0.01	1.22	16.32	232.61	163.62	1,658.89	3,125.08	5,202.02
55 mph	3.41	0.01	0.97	13.06	186.09	130.90	382.82	721.17	1,438.44
60 mph	6.82	0.02	1.95	26.12	372.18	261.80	382.82	721.17	1,772.88
65 mph	0.85	0.00	0.24	3.26	46.52	32.72	-	-	83.61
70 mph	-	-	-	-	-	-	-	-	-
total	85.26	0.26	24.34	326.47	4,652.26	3,272.47	12,760.72	24,039.05	45,160.84

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.35	0.00	0.10	2.82	49.88	35.09	-	-	88.24
15 mph	0.35	0.00	0.10	2.82	49.88	35.09	-	-	88.24
20 mph	0.35	0.00	0.10	2.82	49.88	35.09	920.18	1,733.46	2,741.88
25 mph	0.71	0.00	0.20	5.64	99.76	70.17	1,610.31	3,033.55	4,820.35
30 mph	1.41	0.00	0.40	11.28	199.52	140.35	2,760.53	5,200.38	8,313.87
35 mph	3.17	0.01	0.91	25.38	448.92	315.78	2,760.53	5,200.38	8,755.08
40 mph	3.53	0.01	1.01	28.20	498.80	350.87	2,530.49	4,767.01	8,179.91
45 mph	2.82	0.01	0.81	22.56	399.04	280.69	1,840.35	3,466.92	6,013.20
50 mph	3.17	0.01	0.91	25.38	448.92	315.78	920.18	1,733.46	3,447.80
55 mph	1.76	0.01	0.50	14.10	249.40	175.43	460.09	866.73	1,768.02
60 mph	1.06	0.00	0.30	8.46	149.64	105.26	32,206.21	60,671.07	93,142.00
65 mph	0.35	0.00	0.10	2.82	49.88	35.09	-	-	88.24
70 mph	16.22	0.05	4.63	129.70	2,294.49	1,613.98	-	-	4,059.07
total	35.26	0.11	10.07	281.96	4,988.03	3,508.66	46,008.87	86,672.95	141,505.90

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	29.73	20.92	89.30	168.22	308.17
15 mph	33.81	0.10	9.65	9.51	149.29	105.01	435.31	820.05	1,562.73
25 mph	-	-	-	-	283.53	199.44	1,904.89	3,588.49	5,976.34
35 mph	145.46	0.44	41.53	37.62	-	-	-	-	225.05
total	179.27	0.55	51.18	47.13	432.81	304.45	2,340.20	4,408.54	7,764.13

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	29.73	20.92	89.30	168.22	308.17
10 mph	4.62	0.01	1.32	19.14	282.49	198.71	765.64	1,442.34	2,714.28
15 mph	35.87	0.11	10.24	18.86	292.21	205.55	690.52	1,300.83	2,554.19
20 mph	3.76	0.01	1.07	15.88	235.97	165.99	1,430.61	2,695.02	4,548.31
25 mph	17.76	0.05	5.07	70.93	1,313.74	924.10	6,322.56	11,910.63	20,564.85
30 mph	20.17	0.06	5.76	83.10	1,223.02	860.29	5,312.68	10,008.19	17,513.26
35 mph	163.98	0.50	46.82	121.76	1,286.33	904.82	3,909.00	7,363.89	13,797.10
40 mph	8.64	0.03	2.47	47.78	777.94	547.21	3,806.56	7,170.92	12,361.55
45 mph	7.08	0.02	2.02	38.88	631.66	444.32	2,861.21	5,390.04	9,375.23
50 mph	7.44	0.02	2.12	41.70	681.54	479.40	2,579.07	4,858.54	8,649.83
55 mph	5.17	0.02	1.48	27.16	435.49	306.33	842.91	1,587.90	3,206.46
60 mph	7.88	0.02	2.25	34.58	521.82	367.06	32,589.03	61,392.24	94,914.88
65 mph	1.21	0.00	0.34	6.08	96.40	67.81	-	-	171.85
70 mph	16.22	0.05	4.63	129.70	2,294.49	1,613.98	-	-	4,059.07
total	299.78	0.91	85.59	655.57	10,073.11	7,085.58	61,109.79	115,120.54	194,430.87

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	22.85	1.69	8.44	34.51	-	-	-	82.51	149.99
15 mph	9.14	0.67	3.38	13.80	-	-	-	27.50	54.50
20 mph	18.28	1.35	6.75	27.60	-	-	-	55.01	108.99
25 mph	91.41	6.74	33.75	138.02	-	-	-	302.54	572.47
30 mph	100.55	7.42	37.13	151.82	-	-	-	275.04	571.95
35 mph	82.27	6.07	30.38	124.22	-	-	-	123.77	366.70
40 mph	27.42	2.02	10.13	41.41	-	-	-	137.52	218.50
45 mph	22.85	1.69	8.44	34.51	-	-	-	110.01	177.50
50 mph	22.85	1.69	8.44	34.51	-	-	-	178.77	246.25
55 mph	18.28	1.35	6.75	27.60	-	-	-	41.26	95.24
60 mph	36.56	2.70	13.50	55.21	-	-	-	41.26	149.23
65 mph	4.57	0.34	1.69	6.90	-	-	-	-	13.50
70 mph	-	-	-	-	-	-	-	-	-
total	457.05	33.72	168.76	690.11	-	-	-	1,375.18	2,724.81

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	1.89	0.14	0.70	5.96	-	-	-	-	8.69
15 mph	1.89	0.14	0.70	5.96	-	-	-	-	8.69
20 mph	1.89	0.14	0.70	5.96	-	-	-	99.16	107.85
25 mph	3.78	0.28	1.40	11.92	-	-	-	173.54	190.91
30 mph	7.56	0.56	2.79	23.84	-	-	-	297.49	332.24
35 mph	17.01	1.26	6.28	53.64	-	-	-	297.49	375.68
40 mph	18.90	1.39	6.98	59.60	-	-	-	272.70	359.58
45 mph	15.12	1.12	5.58	47.68	-	-	-	198.33	267.83
50 mph	17.01	1.26	6.28	53.64	-	-	-	99.16	177.35
55 mph	9.45	0.70	3.49	29.80	-	-	-	49.58	93.02
60 mph	5.67	0.42	2.09	17.88	-	-	-	3,470.75	3,496.81
65 mph	1.89	0.14	0.70	5.96	-	-	-	-	8.69
70 mph	86.94	6.41	32.10	274.16	-	-	-	-	399.62
total	189.00	13.94	69.79	596.01	-	-	-	4,958.22	5,826.96

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	9.62	9.62
15 mph	181.24	13.37	66.92	20.11	-	-	-	46.91	328.55
25 mph	-	-	-	-	-	-	-	205.28	205.28
35 mph	779.80	57.53	287.93	-	-	-	-	-	1,125.27
total	961.04	70.91	354.85	20.11	-	-	-	252.19	1,659.10

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	9.62	9.62
10 mph	24.74	1.83	9.14	40.47	-	-	-	82.51	158.68
15 mph	192.27	14.19	70.99	39.87	-	-	-	74.42	391.74
20 mph	20.17	1.49	7.45	33.56	-	-	-	154.17	216.84
25 mph	95.19	7.02	35.15	149.94	-	-	-	681.36	968.66
30 mph	108.11	7.98	39.92	175.66	-	-	-	572.53	904.20
35 mph	879.08	64.86	324.59	177.86	-	-	-	421.26	1,867.65
40 mph	46.32	3.42	17.10	101.01	-	-	-	410.22	578.07
45 mph	37.97	2.80	14.02	82.19	-	-	-	308.34	445.32
50 mph	39.86	2.94	14.72	88.15	-	-	-	277.94	423.61
55 mph	27.73	2.05	10.24	57.40	-	-	-	90.84	188.26
60 mph	42.23	3.12	15.59	73.09	-	-	-	3,512.01	3,646.04
65 mph	6.46	0.48	2.39	12.86	-	-	-	-	22.18
70 mph	86.94	6.41	32.10	274.16	-	-	-	-	399.62
total	1,319.56	97.36	487.23	617.37	-	-	-	1,986.25	10,210.87

World Logistics Center
Mobile Emissions - Medium EV 2026 (Net) - Mitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	16430	330	0.21	3450.4	3236.5	33.5	179.4
	LDT1	15	1212	330	0.21	254.6	241.3	0.1	13.2
	LDT2	15	6067	330	0.21	1274.0	1197.6	9.6	66.2
	MDT	15	1828	330	0.21	383.8	354.3	9.4	20.0
	LHDT1	15	1606	330	0.21	337.2	188.4	148.9	0.0
	LHDT2	15	772	330	0.21	162.1	57.4	104.7	0.0
	MHDT	15	2459	330	0.21	516.3	84.3	432.0	0.0
	HHDT	15	4100	330	0.21	860.9	0.6	813.8	46.6
Travel at Light Logistics	LDA	15	118	175	0.11	13.0	12.2	0.1	0.7
	LDT1	15	9	175	0.11	1.0	0.9	0.0	0.0
	LDT2	15	44	175	0.11	4.8	4.5	0.0	0.2
	MDT	15	11	175	0.11	1.2	1.1	0.0	0.1
	LHDT1	15	6	175	0.11	0.7	0.4	0.3	0.0
	LHDT2	15	3	175	0.11	0.3	0.1	0.2	0.0
	MHDT	15	8	175	0.11	0.9	0.1	0.7	0.0
	HHDT	15	13	175	0.11	1.5	0.0	1.4	0.1
Travel at Utility	LDA	15	134	100	0.06	8.0	7.5	0.1	0.4
	LDT1	15	10	100	0.06	0.6	0.6	0.0	0.0
	LDT2	15	49	100	0.06	3.0	2.8	0.0	0.2
	MDT	15	29	100	0.06	1.7	1.6	0.0	0.1
	LHDT1	15	4	100	0.06	0.3	0.1	0.1	0.0
	LHDT2	15	2	100	0.06	0.1	0.0	0.1	0.0
	MHDT	15	8	100	0.06	0.5	0.1	0.4	0.0
	HHDT	15	14	100	0.06	0.8	0.0	0.8	0.0
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	87	50	0.03	2.6	0.4	2.2	0.0
	HHDT	15	145	50	0.03	4.3	0.0	4.1	0.2
Travel at Convenience Store	LDA	15	408	50	0.03	12.2	11.5	0.1	0.6
	LDT1	15	30	50	0.03	0.9	0.9	0.0	0.0
	LDT2	15	151	50	0.03	4.5	4.2	0.0	0.2
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	58	50	0.03	1.7	1.6	0.0	0.1
	LDT1	15	4	50	0.03	0.1	0.1	0.0	0.0
	LDT2	15	21	50	0.03	0.6	0.6	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	3269.3	243.8	1209.7	357.0	188.9	57.6	85.0	0.6
Diesel	33.8	0.1	9.7	9.5	149.3	105.0	435.3	820.0
Electric/Natural Gas (HHDT Only)	181.2	13.4	66.9	20.1	0.0	0.0	0.0	46.9

World Logistics Center
Mobile Emissions - Medium EV 2026 (Net) - Mitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	803	449	354	0	2242.7	1772.1	0.0
	LHDT2	5	386	137	249	0	683.7	1246.6	0.0
	MHDT	5	1229	201	1029	0	1003.7	5142.7	0.0
	HHDT	5	2050	1	1938	111	6.6	9687.9	554.2
Travel at Light Logistics	LHDT1	5	3	2	1	0	9.0	7.1	0.0
	LHDT2	5	2	1	1	0	2.7	5.0	0.0
	MHDT	5	4	1	3	0	3.2	16.6	0.0
	HHDT	5	7	0	6	0	0.0	31.3	1.8
Travel at Utility	LHDT1	5	2	1	1	0	6.1	4.8	0.0
	LHDT2	5	1	0	1	0	1.8	3.4	0.0
	MHDT	5	4	1	3	0	3.4	17.3	0.0
	HHDT	5	7	0	7	0	0.0	32.6	1.9
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	43	7	36	0	35.4	181.3	0.0
	HHDT	5	72	0	68	4	0.2	341.6	19.5
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	37.6	11.5	17.4	0.2
Diesel	29.7	20.9	89.3	168.2
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	9.6

World Logistics Center
Mobile Emissions - Medium EV 2026 (Net) - Mitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0355	0.0330	0.0313	0.0350
10 mph	0.0048	0.0064	0.0051	0.0052	0.0045	0.0042	0.0040	0.0045
15 mph	0.0032	0.0043	0.0034	0.0035	0.0030	0.0028	0.0027	0.0030
20 mph	0.0023	0.0030	0.0024	0.0024	0.0021	0.0020	0.0019	0.0021
25 mph	0.0017	0.0022	0.0018	0.0018	0.0016	0.0014	0.0014	0.0016
30 mph	0.0013	0.0017	0.0014	0.0014	0.0012	0.0011	0.0011	0.0012
35 mph	0.0011	0.0014	0.0011	0.0011	0.0010	0.0009	0.0009	0.0010
40 mph	0.0009	0.0012	0.0010	0.0010	0.0009	0.0008	0.0008	0.0009
45 mph	0.0008	0.0011	0.0009	0.0009	0.0008	0.0007	0.0007	0.0008
50 mph	0.0008	0.0011	0.0009	0.0009	0.0008	0.0007	0.0007	0.0008
55 mph	0.0008	0.0011	0.0009	0.0009	0.0008	0.0007	0.0007	0.0008
60 mph	0.0009	0.0012	0.0009	0.0010	0.0009	0.0008	0.0007	0.0009
65 mph	0.0010	0.0013	0.0011	0.0011	0.0010	0.0009		
70 mph	0.0011	0.0015	0.0011	0.0012	0.0010	0.0009		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7600	0.7733	0.0070	0.0096
10 mph	0.0104	0.2651	0.0091	0.0073	0.0266	0.0324	0.0039	0.0106
15 mph	0.0084	0.1922	0.0077	0.0060	0.0201	0.0256	0.0031	0.0082
20 mph	0.0067	0.1471	0.0065	0.0049	0.0166	0.0212	0.0026	0.0058
25 mph	0.0055	0.1177	0.0055	0.0041	0.0137	0.0177	0.0025	0.0061
30 mph	0.0046	0.0988	0.0049	0.0036	0.0120	0.0155	0.0028	0.0067
35 mph	0.0040	0.0871	0.0044	0.0033	0.0110	0.0140	0.0033	0.0081
40 mph	0.0037	0.0798	0.0040	0.0030	0.0102	0.0129	0.0043	0.0104
45 mph	0.0035	0.0761	0.0037	0.0028	0.0096	0.0121	0.0055	0.0136
50 mph	0.0034	0.0763	0.0035	0.0027	0.0094	0.0117	0.0072	0.0174
55 mph	0.0033	0.0800	0.0034	0.0026	0.0092	0.0114	0.0091	0.0229
60 mph	0.0034	0.0873	0.0033	0.0026	0.0094	0.0115	0.0115	0.0282
65 mph	0.0036	0.1008	0.0034	0.0028	0.0106	0.0125		
70 mph	0.0037	0.1202	0.0035	0.0031	0.0164	0.0166		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0435
10 mph								0.0070
15 mph								0.0058
20 mph								0.0049
25 mph								0.0044
30 mph								0.0041
35 mph								0.0039
40 mph								0.0038
45 mph								0.0038
50 mph								0.0038
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0044	0.0004	0.0017	0.0070	0.0029	0.0008	0.0013	0.0000	0.0187
15 mph	0.0012	0.0001	0.0005	0.0019	0.0008	0.0002	0.0003	0.0000	0.0049
20 mph	0.0016	0.0002	0.0006	0.0026	0.0011	0.0003	0.0004	0.0000	0.0069
25 mph	0.0061	0.0006	0.0024	0.0097	0.0041	0.0011	0.0017	0.0000	0.0257
30 mph	0.0052	0.0005	0.0020	0.0083	0.0035	0.0010	0.0012	0.0000	0.0217
35 mph	0.0035	0.0004	0.0014	0.0056	0.0024	0.0007	0.0004	0.0000	0.0143
40 mph	0.0010	0.0001	0.0004	0.0016	0.0007	0.0002	0.0004	0.0000	0.0044
45 mph	0.0008	0.0001	0.0003	0.0012	0.0005	0.0001	0.0003	0.0000	0.0034
50 mph	0.0007	0.0001	0.0003	0.0012	0.0005	0.0001	0.0005	0.0000	0.0034
55 mph	0.0006	0.0001	0.0002	0.0010	0.0004	0.0001	0.0001	0.0000	0.0025
60 mph	0.0013	0.0001	0.0005	0.0021	0.0009	0.0002	0.0001	0.0000	0.0053
65 mph	0.0002	0.0000	0.0001	0.0003	0.0001	0.0000	-	-	0.0007
70 mph	-	-	-	-	-	-	-	-	-
total	0.0266	0.0026	0.0104	0.0424	0.0180	0.0050	0.0067	0.0001	0.1118

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0004	0.0000	0.0001	0.0012	0.0006	0.0002	-	-	0.0026
15 mph	0.0002	0.0000	0.0001	0.0008	0.0004	0.0001	-	-	0.0017
20 mph	0.0002	0.0000	0.0001	0.0006	0.0003	0.0001	0.0007	0.0000	0.0019
25 mph	0.0003	0.0000	0.0001	0.0008	0.0004	0.0001	0.0010	0.0000	0.0027
30 mph	0.0004	0.0000	0.0002	0.0013	0.0007	0.0002	0.0013	0.0000	0.0040
35 mph	0.0007	0.0001	0.0003	0.0024	0.0013	0.0004	0.0010	0.0000	0.0062
40 mph	0.0007	0.0001	0.0003	0.0023	0.0012	0.0003	0.0008	0.0000	0.0058
45 mph	0.0005	0.0001	0.0002	0.0017	0.0009	0.0002	0.0006	0.0000	0.0042
50 mph	0.0006	0.0001	0.0002	0.0018	0.0010	0.0003	0.0003	0.0000	0.0042
55 mph	0.0003	0.0000	0.0001	0.0010	0.0006	0.0002	0.0001	0.0000	0.0024
60 mph	0.0002	0.0000	0.0001	0.0007	0.0004	0.0001	0.0103	0.0001	0.0118
65 mph	0.0001	0.0000	0.0000	0.0003	0.0001	0.0000	-	-	0.0005
70 mph	0.0038	0.0004	0.0015	0.0124	0.0067	0.0018	-	-	0.0266
total	0.0083	0.0008	0.0032	0.0274	0.0146	0.0040	0.0161	0.0001	0.0746

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0029	0.0008	0.0012	0.0000	0.0050
15 mph	0.0232	0.0023	0.0091	0.0027	0.0013	0.0004	0.0005	0.0000	0.0394
25 mph	-	-	-	-	0.0012	0.0003	0.0011	0.0000	0.0027
35 mph	0.0332	0.0033	0.0129	0.0036	-	-	-	-	0.0530
total	0.0564	0.0056	0.0220	0.0063	0.0055	0.0015	0.0028	0.0000	0.1002

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0029	0.0008	0.0012	0.0000	0.0050
10 mph	0.0048	0.0005	0.0019	0.0082	0.0036	0.0010	0.0013	0.0000	0.0212
15 mph	0.0246	0.0024	0.0096	0.0054	0.0025	0.0007	0.0008	0.0000	0.0460
20 mph	0.0018	0.0002	0.0007	0.0032	0.0014	0.0004	0.0012	0.0000	0.0089
25 mph	0.0063	0.0006	0.0025	0.0105	0.0058	0.0016	0.0038	0.0000	0.0311
30 mph	0.0056	0.0006	0.0022	0.0096	0.0042	0.0012	0.0024	0.0000	0.0258
35 mph	0.0374	0.0037	0.0146	0.0115	0.0036	0.0010	0.0015	0.0000	0.0734
40 mph	0.0017	0.0002	0.0007	0.0039	0.0019	0.0005	0.0012	0.0000	0.0102
45 mph	0.0013	0.0001	0.0005	0.0029	0.0014	0.0004	0.0009	0.0000	0.0075
50 mph	0.0013	0.0001	0.0005	0.0030	0.0015	0.0004	0.0007	0.0000	0.0076
55 mph	0.0009	0.0001	0.0004	0.0020	0.0010	0.0003	0.0002	0.0000	0.0049
60 mph	0.0015	0.0001	0.0006	0.0027	0.0013	0.0003	0.0104	0.0001	0.0171
65 mph	0.0003	0.0000	0.0001	0.0005	0.0003	0.0001	-	-	0.0013
70 mph	0.0038	0.0004	0.0015	0.0124	0.0067	0.0018	-	-	0.0266
total	0.0913	0.0091	0.0356	0.0761	0.0380	0.0106	0.0256	0.0002	0.2866

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0003	0.0137	0.0117	0.0066	0.0338	0.0661
15 mph	0.0000	0.0000	0.0000	0.0001	0.0041	0.0037	0.0017	0.0087	0.0184
20 mph	0.0001	0.0000	0.0000	0.0001	0.0068	0.0061	0.0030	0.0123	0.0284
25 mph	0.0002	0.0000	0.0001	0.0006	0.0282	0.0255	0.0156	0.0715	0.1417
30 mph	0.0002	0.0000	0.0001	0.0006	0.0272	0.0245	0.0155	0.0709	0.1389
35 mph	0.0001	0.0000	0.0000	0.0004	0.0203	0.0182	0.0084	0.0386	0.0861
40 mph	0.0000	0.0000	0.0000	0.0001	0.0063	0.0056	0.0120	0.0552	0.0792
45 mph	0.0000	0.0000	0.0000	0.0001	0.0049	0.0044	0.0124	0.0576	0.0796
50 mph	0.0000	0.0000	0.0000	0.0001	0.0048	0.0042	0.0262	0.1201	0.1555
55 mph	0.0000	0.0000	0.0000	0.0001	0.0038	0.0033	0.0077	0.0364	0.0513
60 mph	0.0001	0.0000	0.0000	0.0002	0.0077	0.0066	0.0097	0.0448	0.0691
65 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0009	-	-	0.0020
70 mph	-	-	-	-	-	-	-	-	-
total	0.0009	0.0001	0.0003	0.0027	0.1289	0.1147	0.1189	0.5500	0.9163

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0029	0.0025	-	-	0.0055
15 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0020	-	-	0.0042
20 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0016	0.0054	0.0222	0.0310
25 mph	0.0000	0.0000	0.0000	0.0001	0.0030	0.0027	0.0090	0.0410	0.0558
30 mph	0.0000	0.0000	0.0000	0.0001	0.0053	0.0048	0.0167	0.0767	0.1036
35 mph	0.0000	0.0000	0.0000	0.0002	0.0109	0.0097	0.0203	0.0929	0.1340
40 mph	0.0000	0.0000	0.0000	0.0002	0.0112	0.0100	0.0237	0.1094	0.1546
45 mph	0.0000	0.0000	0.0000	0.0001	0.0085	0.0075	0.0224	0.1039	0.1425
50 mph	0.0000	0.0000	0.0000	0.0002	0.0093	0.0081	0.0145	0.0666	0.0988
55 mph	0.0000	0.0000	0.0000	0.0001	0.0051	0.0044	0.0093	0.0437	0.0625
60 mph	0.0000	0.0000	0.0000	0.0000	0.0031	0.0027	0.8143	3.7717	4.5918
65 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0010	-	-	0.0022
70 mph	0.0001	0.0000	0.0000	0.0009	0.0830	0.0589	-	-	0.1429
total	0.0003	0.0000	0.0001	0.0019	0.1474	0.1160	0.9356	4.3282	5.5295

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0498	0.0357	0.0014	0.0036	0.0904
15 mph	0.0006	0.0000	0.0002	0.0001	0.0066	0.0059	0.0030	0.0148	0.0313
25 mph	-	-	-	-	0.0086	0.0078	0.0106	0.0485	0.0755
35 mph	0.0013	0.0001	0.0004	0.0003	-	-	-	-	0.0021
total	0.0019	0.0001	0.0006	0.0004	0.0650	0.0494	0.0149	0.0669	0.1993

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0498	0.0357	0.0014	0.0036	0.0904
10 mph	0.0001	0.0000	0.0000	0.0003	0.0166	0.0142	0.0066	0.0338	0.0716
15 mph	0.0007	0.0000	0.0002	0.0002	0.0129	0.0116	0.0047	0.0235	0.0539
20 mph	0.0001	0.0000	0.0000	0.0002	0.0086	0.0077	0.0083	0.0344	0.0594
25 mph	0.0002	0.0000	0.0001	0.0006	0.0398	0.0360	0.0351	0.1611	0.2730
30 mph	0.0002	0.0000	0.0001	0.0007	0.0325	0.0293	0.0322	0.1476	0.2426
35 mph	0.0015	0.0001	0.0005	0.0009	0.0312	0.0279	0.0287	0.1315	0.2222
40 mph	0.0001	0.0000	0.0000	0.0003	0.0175	0.0156	0.0357	0.1646	0.2339
45 mph	0.0001	0.0000	0.0000	0.0002	0.0134	0.0119	0.0349	0.1616	0.2221
50 mph	0.0001	0.0000	0.0000	0.0002	0.0141	0.0123	0.0407	0.1868	0.2543
55 mph	0.0000	0.0000	0.0000	0.0002	0.0088	0.0077	0.0170	0.0801	0.1138
60 mph	0.0001	0.0000	0.0000	0.0002	0.0108	0.0093	0.8240	3.8165	4.6609
65 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0019	-	-	0.0042
70 mph	0.0001	0.0000	0.0000	0.0009	0.0830	0.0589	-	-	0.1429
total	0.0031	0.0002	0.0009	0.0050	0.3413	0.2801	1.0694	4.9451	6.6451

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0013	0.0013
15 mph								0.0003	0.0003
20 mph								0.0006	0.0006
25 mph								0.0029	0.0029
30 mph								0.0025	0.0025
35 mph								0.0011	0.0011
40 mph								0.0011	0.0011
45 mph								0.0009	0.0009
50 mph								0.0015	0.0015
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0123	0.0123

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0011	0.0011
25 mph								0.0017	0.0017
30 mph								0.0027	0.0027
35 mph								0.0025	0.0025
40 mph								0.0023	0.0023
45 mph								0.0016	0.0016
50 mph								0.0008	0.0008
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0080	0.0080

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
15 mph								0.0006	0.0006
25 mph								0.0020	0.0020
35 mph								-	-
total	-	-	-	-	-	-	-	0.0035	0.0035

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
10 mph								0.0013	0.0013
15 mph								0.0009	0.0009
20 mph								0.0017	0.0017
25 mph								0.0066	0.0066
30 mph								0.0052	0.0052
35 mph								0.0036	0.0036
40 mph								0.0034	0.0034
45 mph								0.0026	0.0026
50 mph								0.0023	0.0023
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0285	0.0285

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0528	0.0365	0.0026	0.0045	0.0964
10 mph	0.0049	0.0005	0.0019	0.0085	0.0201	0.0152	0.0079	0.0350	0.0941
15 mph	0.0253	0.0025	0.0098	0.0057	0.0154	0.0123	0.0055	0.0244	0.1008
20 mph	0.0019	0.0002	0.0007	0.0034	0.0100	0.0081	0.0095	0.0361	0.0699
25 mph	0.0065	0.0006	0.0025	0.0112	0.0456	0.0376	0.0389	0.1677	0.3108
30 mph	0.0058	0.0006	0.0022	0.0103	0.0367	0.0305	0.0347	0.1528	0.2735
35 mph	0.0389	0.0038	0.0150	0.0124	0.0348	0.0289	0.0302	0.1351	0.2992
40 mph	0.0018	0.0002	0.0007	0.0042	0.0194	0.0161	0.0370	0.1681	0.2475
45 mph	0.0013	0.0001	0.0005	0.0032	0.0148	0.0123	0.0357	0.1641	0.2321
50 mph	0.0014	0.0001	0.0005	0.0033	0.0156	0.0128	0.0415	0.1891	0.2642
55 mph	0.0010	0.0001	0.0004	0.0022	0.0098	0.0080	0.0172	0.0801	0.1187
60 mph	0.0016	0.0002	0.0006	0.0029	0.0121	0.0097	0.8344	3.8166	4.6779
65 mph	0.0003	0.0000	0.0001	0.0006	0.0025	0.0019	-	-	0.0054
70 mph	0.0040	0.0004	0.0015	0.0133	0.0897	0.0608	-	-	0.1696
STREX	0.0034	0.0003	0.0013	0.0052	0.0004	0.0001	0.0002	0.0000	0.0109
total	0.0978	0.0096	0.0378	0.0863	0.3798	0.2907	1.0953	4.9738	**6.9711**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0015	0.0019	0.0015	0.0016	0.0003	0.0003	0.0004	0.0006
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0034	0.0003	0.0013	0.0052	0.0004	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0034	0.0003	0.0013	0.0052	0.0004	0.0001	0.0002	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.3227	0.0241	0.1194	0.4794	0.4513	0.1592	0.3232	0.0011
Diesel	0.0033	0.0000	0.0010	0.0128	0.3668	0.2974	1.6562	1.8499
Electric/NG	0.0179	0.0013	0.0066	0.0270	-	-	-	0.1075
Total	0.3439	0.0254	0.1270	0.5192	0.8181	0.4566	1.9794	1.9586

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1334	0.0099	0.0494	0.4141	0.4838	0.1707	1.1654	0.0041
Diesel	0.0014	0.0000	0.0004	0.0110	0.3933	0.3189	5.9713	6.6699
Electric/NG	0.0074	0.0005	0.0027	0.0233	-	-	-	0.3877
Total	0.1422	0.0105	0.0525	0.4484	0.8771	0.4896	7.1368	7.0617

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.6785	0.0506	0.2511	0.0692	0.0420	0.0148	0.0593	0.0002
Diesel	0.0070	0.0000	0.0020	0.0018	0.0341	0.0277	0.3037	0.3393
Electric/NG	0.0376	0.0028	0.0139	0.0008	-	-	-	0.0197
Total	0.7231	0.0534	0.2670	0.0718	0.0761	0.0425	0.3630	0.3592

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	1.1346	0.0846	0.4198	0.9627	0.9771	0.3446	1.5479	0.0055	5.4769
Diesel	0.0117	0.0000	0.0033	0.0257	0.7943	0.6440	7.9312	8.8591	18.2694
Electric/NG	0.0629	0.0046	0.0232	0.0511	-	-	-	0.5149	0.6568
Total	1.2092	0.0893	0.4464	1.0395	1.7713	0.9887	9.4792	9.3795	**24.4031**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	9.9316
Internal	14.1189
Total	**24.0505**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0406	0.0281	0.0020	0.0035	0.0742
10 mph	0.0031	0.0003	0.0012	0.0055	0.0155	0.0117	0.0061	0.0270	0.0704
15 mph	0.0162	0.0016	0.0063	0.0036	0.0119	0.0095	0.0043	0.0188	0.0720
20 mph	0.0012	0.0001	0.0005	0.0022	0.0077	0.0063	0.0073	0.0278	0.0530
25 mph	0.0042	0.0004	0.0016	0.0072	0.0351	0.0290	0.0300	0.1292	0.2366
30 mph	0.0037	0.0004	0.0014	0.0066	0.0282	0.0235	0.0267	0.1177	0.2082
35 mph	0.0249	0.0025	0.0096	0.0080	0.0268	0.0223	0.0232	0.1041	0.2213
40 mph	0.0011	0.0001	0.0004	0.0027	0.0150	0.0124	0.0285	0.1294	0.1896
45 mph	0.0009	0.0001	0.0003	0.0020	0.0114	0.0094	0.0275	0.1264	0.1781
50 mph	0.0009	0.0001	0.0003	0.0021	0.0120	0.0098	0.0319	0.1456	0.2028
55 mph	0.0006	0.0001	0.0002	0.0014	0.0076	0.0061	0.0133	0.0617	0.0909
60 mph	0.0010	0.0001	0.0004	0.0019	0.0093	0.0074	0.6425	2.9388	3.6013
65 mph	0.0002	0.0000	0.0001	0.0004	0.0019	0.0015	-	-	0.0041
70 mph	0.0025	0.0002	0.0010	0.0085	0.0690	0.0468	-	-	0.1281
total	0.0604	0.0060	0.0234	0.0519	0.2921	0.2238	0.8432	3.8298	5.3306

World Logistics Center
Mobile Emissions - Medium EV 2026 (Net) - Mitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0056	0.0095	0.0078	0.0092	0.0125	0.0141	0.0224	0.2034
15 mph	0.0049	0.0083	0.0068	0.0080	0.0110	0.0124	0.0198	0.1797
20 mph	0.0044	0.0074	0.0061	0.0072	0.0101	0.0112	0.0179	0.1626
25 mph	0.0040	0.0067	0.0055	0.0065	0.0093	0.0102	0.0162	0.1491
30 mph	0.0037	0.0061	0.0051	0.0060	0.0087	0.0095	0.0149	0.1392
35 mph	0.0035	0.0058	0.0048	0.0057	0.0084	0.0090	0.0139	0.1321
40 mph	0.0033	0.0055	0.0046	0.0054	0.0081	0.0087	0.0134	0.1268
45 mph	0.0032	0.0054	0.0044	0.0053	0.0079	0.0084	0.0129	0.1235
50 mph	0.0032	0.0054	0.0044	0.0053	0.0079	0.0083	0.0127	0.1225
55 mph	0.0032	0.0055	0.0045	0.0054	0.0081	0.0085	0.0129	0.1242
60 mph	0.0034	0.0058	0.0047	0.0056	0.0084	0.0088	0.0134	0.1283
65 mph	0.0035	0.0062	0.0049	0.0059	0.0088	0.0092	0.0141	0.1341
70 mph	0.0037	0.0070	0.0051	0.0064	0.0098	0.0094	0.0140	0.1433

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0605	0.1325	0.0816	0.1016	0.1474	0.1649	0.2886	0.4339
15 mph	0.0497	0.1102	0.0676	0.0860	0.0959	0.1093	0.2271	0.3369
20 mph	0.0408	0.0905	0.0556	0.0714	0.0818	0.0934	0.1939	0.2850
25 mph	0.0342	0.0756	0.0466	0.0605	0.0726	0.0832	0.1693	0.2426
30 mph	0.0296	0.0651	0.0403	0.0524	0.0660	0.0751	0.1486	0.2128
35 mph	0.0268	0.0583	0.0364	0.0477	0.0661	0.0753	0.1327	0.1902
40 mph	0.0251	0.0543	0.0339	0.0446	0.0644	0.0727	0.1216	0.1746
45 mph	0.0242	0.0525	0.0327	0.0429	0.0629	0.0699	0.1152	0.1657
50 mph	0.0243	0.0525	0.0328	0.0432	0.0660	0.0725	0.1136	0.1626
55 mph	0.0254	0.0549	0.0342	0.0456	0.0689	0.0750	0.1169	0.1694
60 mph	0.0276	0.0594	0.0371	0.0494	0.0695	0.0752	0.1249	0.1796
65 mph	0.0310	0.0663	0.0416	0.0556	0.0706	0.0757	0.1377	0.1948
70 mph	0.0339	0.0691	0.0444	0.0609	0.0725	0.0776	0.1389	0.1974

*US EPA Emission Factors for Greenhouse Gas Inventories. (Idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.9356
15 mph								0.7851
20 mph								0.6852
25 mph								0.6311
30 mph								0.5965
35 mph								0.5690
40 mph								0.5466
45 mph								0.5277
50 mph								0.5116
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0051	0.0006	0.0026	0.0124	0.0081	0.0028	0.0074	0.0004	0.0394
15 mph	0.0018	0.0002	0.0009	0.0043	0.0029	0.0010	0.0022	0.0001	0.0134
20 mph	0.0032	0.0004	0.0016	0.0077	0.0052	0.0018	0.0039	0.0002	0.0242
25 mph	0.0145	0.0018	0.0074	0.0352	0.0241	0.0081	0.0196	0.0012	0.1120
30 mph	0.0148	0.0018	0.0075	0.0359	0.0250	0.0083	0.0164	0.0010	0.1107
35 mph	0.0114	0.0014	0.0058	0.0277	0.0195	0.0064	0.0069	0.0004	0.0797
40 mph	0.0036	0.0005	0.0018	0.0088	0.0063	0.0021	0.0073	0.0005	0.0309
45 mph	0.0029	0.0004	0.0015	0.0071	0.0051	0.0017	0.0057	0.0004	0.0248
50 mph	0.0029	0.0004	0.0015	0.0071	0.0051	0.0016	0.0091	0.0006	0.0283
55 mph	0.0024	0.0003	0.0012	0.0058	0.0042	0.0013	0.0021	0.0001	0.0174
60 mph	0.0049	0.0006	0.0025	0.0121	0.0087	0.0028	0.0022	0.0001	0.0340
65 mph	0.0006	0.0001	0.0003	0.0016	0.0011	0.0004	-	-	0.0042
70 mph	-	-	-	-	-	-	-	-	-
total	0.0682	0.0085	0.0348	0.1658	0.1154	0.0383	0.0828	0.0051	0.5189

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0004	0.0001	0.0002	0.0021	0.0017	0.0006	-	-	0.0052
15 mph	0.0004	0.0000	0.0002	0.0019	0.0015	0.0005	-	-	0.0045
20 mph	0.0003	0.0000	0.0002	0.0017	0.0014	0.0005	0.0071	0.0004	0.0116
25 mph	0.0006	0.0001	0.0003	0.0030	0.0026	0.0009	0.0113	0.0007	0.0194
30 mph	0.0011	0.0001	0.0006	0.0056	0.0049	0.0016	0.0177	0.0011	0.0327
35 mph	0.0024	0.0003	0.0012	0.0120	0.0105	0.0035	0.0166	0.0010	0.0474
40 mph	0.0025	0.0003	0.0013	0.0127	0.0113	0.0037	0.0145	0.0009	0.0472
45 mph	0.0019	0.0002	0.0010	0.0099	0.0088	0.0029	0.0102	0.0006	0.0355
50 mph	0.0022	0.0003	0.0011	0.0110	0.0099	0.0032	0.0050	0.0003	0.0330
55 mph	0.0012	0.0002	0.0006	0.0062	0.0056	0.0018	0.0026	0.0002	0.0184
60 mph	0.0008	0.0001	0.0004	0.0039	0.0035	0.0011	0.1854	0.0117	0.2069
65 mph	0.0003	0.0000	0.0001	0.0014	0.0012	0.0004	-	-	0.0034
70 mph	0.0128	0.0018	0.0066	0.0684	0.0629	0.0184	-	-	0.1710
total	0.0268	0.0036	0.0137	0.1399	0.1258	0.0390	0.2704	0.0170	0.6363

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0011	0.0003	0.0005	0.0000	0.0020
15 mph	0.0352	0.0044	0.0181	0.0063	0.0046	0.0016	0.0037	0.0002	0.0742
25 mph	-	-	-	-	0.0074	0.0025	0.0133	0.0008	0.0240
35 mph	0.1085	0.0134	0.0550	0.0177	-	-	-	-	0.1946
total	0.1437	0.0179	0.0731	0.0240	0.0131	0.0044	0.0175	0.0010	0.2947

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0011	0.0003	0.0005	0.0000	0.0020
10 mph	0.0055	0.0007	0.0028	0.0145	0.0099	0.0034	0.0074	0.0004	0.0446
15 mph	0.0374	0.0047	0.0192	0.0125	0.0090	0.0031	0.0059	0.0004	0.0921
20 mph	0.0035	0.0004	0.0018	0.0094	0.0066	0.0023	0.0110	0.0007	0.0358
25 mph	0.0151	0.0019	0.0077	0.0382	0.0341	0.0114	0.0442	0.0027	0.1554
30 mph	0.0159	0.0020	0.0081	0.0415	0.0298	0.0099	0.0341	0.0021	0.1435
35 mph	0.1223	0.0151	0.0620	0.0574	0.0300	0.0099	0.0235	0.0015	0.3217
40 mph	0.0062	0.0008	0.0031	0.0215	0.0175	0.0057	0.0219	0.0014	0.0781
45 mph	0.0049	0.0006	0.0025	0.0170	0.0139	0.0045	0.0159	0.0010	0.0603
50 mph	0.0051	0.0006	0.0026	0.0181	0.0150	0.0048	0.0141	0.0009	0.0613
55 mph	0.0036	0.0005	0.0018	0.0120	0.0098	0.0031	0.0047	0.0003	0.0358
60 mph	0.0057	0.0007	0.0029	0.0160	0.0122	0.0039	0.1876	0.0119	0.2409
65 mph	0.0009	0.0001	0.0005	0.0030	0.0024	0.0008	-	-	0.0076
70 mph	0.0128	0.0018	0.0066	0.0684	0.0629	0.0184	-	-	0.1710
total	0.2388	0.0300	0.1216	0.3297	0.2543	0.0816	0.3708	0.0232	1.4499

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0002	0.0037	0.0756	0.0595	0.4873	1.3800	2.0068
15 mph	0.0002	0.0000	0.0001	0.0012	0.0197	0.0158	0.1278	0.3572	0.5219
20 mph	0.0003	0.0000	0.0001	0.0021	0.0336	0.0269	0.2183	0.6043	0.8855
25 mph	0.0013	0.0000	0.0005	0.0087	0.1489	0.1201	1.0478	2.8288	4.1560
30 mph	0.0012	0.0000	0.0005	0.0083	0.1489	0.1193	0.8361	2.2563	3.3706
35 mph	0.0009	0.0000	0.0004	0.0062	0.1221	0.0978	0.3360	0.9074	1.4708
40 mph	0.0003	0.0000	0.0001	0.0019	0.0397	0.0315	0.3420	0.9253	1.3407
45 mph	0.0002	0.0000	0.0001	0.0015	0.0322	0.0252	0.2593	0.7025	1.0211
50 mph	0.0002	0.0000	0.0001	0.0016	0.0338	0.0262	0.4157	1.1205	1.5980
55 mph	0.0002	0.0000	0.0001	0.0013	0.0283	0.0216	0.0987	0.2694	0.4195
60 mph	0.0004	0.0000	0.0002	0.0028	0.0570	0.0434	0.1055	0.2856	0.4949
65 mph	0.0001	0.0000	0.0000	0.0004	0.0072	0.0055	-	-	0.0132
70 mph	-	-	-	-	-	-	-	-	-
total	0.0059	0.0000	0.0023	0.0397	0.7470	0.5928	4.2743	11.6372	17.2992

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0006	0.0162	0.0128	-	-	0.0297
15 mph	0.0000	0.0000	0.0000	0.0005	0.0105	0.0085	-	-	0.0196
20 mph	0.0000	0.0000	0.0000	0.0004	0.0090	0.0072	0.3935	1.0893	1.4995
25 mph	0.0001	0.0000	0.0000	0.0008	0.0160	0.0129	0.6010	1.6226	2.2533
30 mph	0.0001	0.0000	0.0000	0.0013	0.0290	0.0233	0.9044	2.4405	3.3986
35 mph	0.0002	0.0000	0.0001	0.0027	0.0655	0.0524	0.8077	2.1810	3.1095
40 mph	0.0002	0.0000	0.0001	0.0028	0.0709	0.0562	0.6782	1.8348	2.6432
45 mph	0.0002	0.0000	0.0001	0.0021	0.0553	0.0432	0.4674	1.2665	1.8348
50 mph	0.0002	0.0000	0.0001	0.0024	0.0653	0.0505	0.2306	0.6215	0.9706
55 mph	0.0001	0.0000	0.0000	0.0014	0.0379	0.0290	0.1186	0.3237	0.5108
60 mph	0.0001	0.0000	0.0000	0.0009	0.0229	0.0175	8.8722	24.0251	32.9387
65 mph	0.0000	0.0000	0.0000	0.0003	0.0078	0.0059	-	-	0.0140
70 mph	0.0012	0.0000	0.0005	0.0174	0.3667	0.2761	-	-	0.6619
total	0.0024	0.0000	0.0009	0.0338	0.7730	0.5954	13.0736	35.4051	49.8841

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0003	0.0002	0.0009	0.0018	0.0033
15 mph	0.0037	0.0000	0.0014	0.0018	0.0316	0.0253	0.2180	0.6093	0.8911
25 mph	-	-	-	-	0.0454	0.0366	0.7109	1.9195	2.7123
35 mph	0.0086	0.0001	0.0033	0.0040	-	-	-	-	0.0159
total	0.0123	0.0001	0.0048	0.0058	0.0772	0.0621	0.9298	2.5305	3.6226

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0003	0.0002	0.0009	0.0018	0.0033
10 mph	0.0006	0.0000	0.0002	0.0043	0.0918	0.0723	0.4873	1.3800	2.0365
15 mph	0.0039	0.0000	0.0015	0.0036	0.0618	0.0496	0.3458	0.9665	1.4326
20 mph	0.0003	0.0000	0.0001	0.0025	0.0426	0.0342	0.6118	1.6936	2.3851
25 mph	0.0013	0.0000	0.0005	0.0095	0.2102	0.1696	2.3597	6.3709	9.1217
30 mph	0.0013	0.0000	0.0005	0.0096	0.1779	0.1425	1.7405	4.6968	6.7692
35 mph	0.0097	0.0001	0.0038	0.0128	0.1876	0.1503	1.1437	3.0884	4.5962
40 mph	0.0005	0.0000	0.0002	0.0047	0.1105	0.0877	1.0202	2.7601	3.9839
45 mph	0.0004	0.0000	0.0001	0.0037	0.0876	0.0685	0.7267	1.9690	2.8559
50 mph	0.0004	0.0000	0.0002	0.0040	0.0991	0.0767	0.6462	1.7420	2.5686
55 mph	0.0003	0.0000	0.0001	0.0027	0.0661	0.0507	0.2173	0.5931	0.9303
60 mph	0.0005	0.0000	0.0002	0.0038	0.0800	0.0609	8.9777	24.3106	33.4336
65 mph	0.0001	0.0000	0.0000	0.0007	0.0150	0.0113	-	-	0.0272
70 mph	0.0012	0.0000	0.0005	0.0174	0.3667	0.2761	-	-	0.6619
total	0.0206	0.0001	0.0079	0.0792	1.5972	1.2503	18.2777	49.5728	70.8059

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1702	0.1702
15 mph								0.0476	0.0476
20 mph								0.0831	0.0831
25 mph								0.4210	0.4210
30 mph								0.3617	0.3617
35 mph								0.1553	0.1553
40 mph								0.1657	0.1657
45 mph								0.1280	0.1280
50 mph								0.2017	0.2017
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.7344	1.7344

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.1498	0.1498
25 mph								0.2415	0.2415
30 mph								0.3913	0.3913
35 mph								0.3733	0.3733
40 mph								0.3287	0.3287
45 mph								0.2308	0.2308
50 mph								0.1119	0.1119
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.1558	1.1558

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
15 mph								0.0812	0.0812
25 mph								0.2857	0.2857
35 mph								-	-
total	-	-	-	-	-	-	-	0.3672	0.3672

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
10 mph								0.1702	0.1702
15 mph								0.1288	0.1288
20 mph								0.2329	0.2329
25 mph								0.9482	0.9482
30 mph								0.7530	0.7530
35 mph								0.5286	0.5286
40 mph								0.4944	0.4944
45 mph								0.3588	0.3588
50 mph								0.3136	0.3136
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.9287	3.9287

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0014	0.0006	0.0015	0.0021	0.0055
10 mph	0.0061	0.0007	0.0031	0.0188	0.1017	0.0757	0.4946	1.5507	2.2513
15 mph	0.0413	0.0047	0.0207	0.0161	0.0708	0.0526	0.3516	1.0956	1.6535
20 mph	0.0039	0.0004	0.0019	0.0119	0.0492	0.0364	0.6228	1.9272	2.6538
25 mph	0.0165	0.0019	0.0082	0.0477	0.2443	0.1810	2.4039	7.3218	10.2252
30 mph	0.0173	0.0020	0.0086	0.0511	0.2078	0.1525	1.7746	5.4519	7.6656
35 mph	0.1320	0.0152	0.0657	0.0702	0.2176	0.1602	1.1671	3.6184	5.4465
40 mph	0.0066	0.0008	0.0033	0.0262	0.1281	0.0934	1.0421	3.2559	4.5564
45 mph	0.0053	0.0006	0.0026	0.0207	0.1015	0.0730	0.7425	2.3288	3.2750
50 mph	0.0055	0.0006	0.0027	0.0221	0.1142	0.0815	0.6604	2.0565	2.9434
55 mph	0.0039	0.0005	0.0019	0.0148	0.0759	0.0538	0.2220	0.5934	0.9661
60 mph	0.0061	0.0007	0.0031	0.0198	0.0921	0.0648	9.1653	24.3225	33.6745
65 mph	0.0010	0.0001	0.0005	0.0037	0.0174	0.0121	-	-	0.0348
70 mph	0.0140	0.0018	0.0070	0.0858	0.4296	0.2946	-	-	0.8329
STREX	0.0505	0.0042	0.0222	0.0950	0.0455	0.0139	0.0169	0.0000	0.2482
total	0.3098	0.0343	0.1518	0.5039	1.8970	1.3458	18.6654	53.5247	**76.4328**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0223	0.0247	0.0266	0.0289	0.0378	0.0378	0.0292	0.0081
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0505	0.0042	0.0222	0.0950	0.0455	0.0139	0.0169	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0505	0.0042	0.0222	0.0950	0.0455	0.0139	0.0169	0.0000

World Logistics Center
Mobile Emissions - Medium EV 2026 (Net) - Mitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					2.1475	2.1637	3.3568	2.5252
10 mph	0.0070	0.0158	0.0116	0.0142	0.0158	0.0125	0.0273	0.3216
15 mph	0.0047	0.0107	0.0078	0.0095	0.0107	0.0084	0.0183	0.2132
20 mph	0.0033	0.0077	0.0055	0.0068	0.0078	0.0060	0.0130	0.1508
25 mph	0.0024	0.0058	0.0041	0.0050	0.0059	0.0044	0.0095	0.1119
30 mph	0.0019	0.0045	0.0032	0.0039	0.0047	0.0035	0.0073	0.0877
35 mph	0.0015	0.0038	0.0026	0.0032	0.0039	0.0029	0.0059	0.0727
40 mph	0.0013	0.0033	0.0023	0.0028	0.0035	0.0025	0.0052	0.0635
45 mph	0.0012	0.0030	0.0021	0.0026	0.0033	0.0023	0.0047	0.0584
50 mph	0.0012	0.0029	0.0020	0.0025	0.0032	0.0022	0.0046	0.0567
55 mph	0.0012	0.0029	0.0020	0.0025	0.0033	0.0023	0.0047	0.0579
60 mph	0.0013	0.0030	0.0021	0.0026	0.0035	0.0025	0.0050	0.0620
65 mph	0.0014	0.0033	0.0023	0.0029	0.0040	0.0028		
70 mph	0.0015	0.0040	0.0025	0.0032	0.0043	0.0027		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0235	0.1100
10 mph	0.0049	0.0209	0.0090	0.0050	0.0252	0.0253	0.0015	0.0039
15 mph	0.0025	0.0141	0.0044	0.0025	0.0130	0.0130	0.0008	0.0021
20 mph	0.0011	0.0100	0.0017	0.0010	0.0059	0.0058	0.0006	0.0013
25 mph	0.0007	0.0078	0.0011	0.0006	0.0039	0.0038	0.0004	0.0011
30 mph	0.0005	0.0065	0.0008	0.0005	0.0030	0.0030	0.0004	0.0009
35 mph	0.0004	0.0057	0.0006	0.0004	0.0026	0.0025	0.0003	0.0007
40 mph	0.0004	0.0051	0.0005	0.0003	0.0022	0.0021	0.0003	0.0006
45 mph	0.0003	0.0049	0.0005	0.0003	0.0020	0.0019	0.0002	0.0006
50 mph	0.0003	0.0049	0.0004	0.0003	0.0019	0.0018	0.0002	0.0006
55 mph	0.0003	0.0051	0.0003	0.0002	0.0018	0.0017	0.0003	0.0006
60 mph	0.0003	0.0055	0.0003	0.0002	0.0018	0.0017	0.0003	0.0007
65 mph	0.0003	0.0064	0.0003	0.0002	0.0021	0.0020		
70 mph	0.0003	0.0075	0.0003	0.0003	0.0033	0.0029		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.9445
10 mph								11.8037
15 mph								8.0410
20 mph								5.6374
25 mph								4.1397
30 mph								3.0783
35 mph								2.2927
40 mph								1.7123
45 mph								1.2847
50 mph								0.9715
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0063	0.0011	0.0039	0.0192	0.0103	0.0025	0.0090	0.0007	0.0529
15 mph	0.0017	0.0003	0.0010	0.0052	0.0028	0.0007	0.0020	0.0002	0.0138
20 mph	0.0024	0.0004	0.0015	0.0073	0.0041	0.0009	0.0028	0.0002	0.0197
25 mph	0.0088	0.0016	0.0055	0.0271	0.0153	0.0035	0.0115	0.0009	0.0742
30 mph	0.0075	0.0014	0.0047	0.0233	0.0133	0.0030	0.0080	0.0006	0.0619
35 mph	0.0050	0.0009	0.0032	0.0157	0.0092	0.0020	0.0029	0.0002	0.0392
40 mph	0.0015	0.0003	0.0009	0.0045	0.0027	0.0006	0.0028	0.0002	0.0136
45 mph	0.0011	0.0002	0.0007	0.0035	0.0021	0.0005	0.0021	0.0002	0.0103
50 mph	0.0011	0.0002	0.0007	0.0034	0.0021	0.0004	0.0033	0.0003	0.0113
55 mph	0.0009	0.0002	0.0005	0.0027	0.0017	0.0004	0.0008	0.0001	0.0072
60 mph	0.0018	0.0003	0.0011	0.0057	0.0037	0.0008	0.0008	0.0001	0.0144
65 mph	0.0003	0.0000	0.0002	0.0008	0.0005	0.0001	-	-	0.0019
70 mph	-	-	-	-	-	-	-	-	-
total	0.0384	0.0068	0.0239	0.1183	0.0677	0.0154	0.0461	0.0036	0.3202

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0005	0.0001	0.0003	0.0033	0.0022	0.0005	-	-	0.0070
15 mph	0.0004	0.0001	0.0002	0.0022	0.0015	0.0004	-	-	0.0047
20 mph	0.0002	0.0000	0.0002	0.0016	0.0011	0.0003	0.0051	0.0004	0.0089
25 mph	0.0004	0.0001	0.0002	0.0023	0.0016	0.0004	0.0066	0.0005	0.0121
30 mph	0.0006	0.0001	0.0004	0.0037	0.0026	0.0006	0.0087	0.0007	0.0172
35 mph	0.0010	0.0002	0.0007	0.0068	0.0049	0.0011	0.0071	0.0006	0.0223
40 mph	0.0010	0.0002	0.0006	0.0065	0.0049	0.0011	0.0056	0.0005	0.0204
45 mph	0.0007	0.0001	0.0005	0.0048	0.0036	0.0008	0.0037	0.0003	0.0146
50 mph	0.0008	0.0001	0.0005	0.0052	0.0040	0.0009	0.0018	0.0001	0.0135
55 mph	0.0005	0.0001	0.0003	0.0029	0.0023	0.0005	0.0009	0.0001	0.0075
60 mph	0.0003	0.0001	0.0002	0.0019	0.0015	0.0003	0.0697	0.0057	0.0796
65 mph	0.0001	0.0000	0.0001	0.0007	0.0006	0.0001	-	-	0.0015
70 mph	0.0052	0.0010	0.0032	0.0345	0.0272	0.0053	-	-	0.0764
total	0.0117	0.0022	0.0072	0.0764	0.0580	0.0121	0.1093	0.0088	0.2857

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1782	0.0547	0.1290	0.0009	0.3629
15 mph	0.0336	0.0058	0.0208	0.0075	0.0045	0.0011	0.0034	0.0003	0.0769
25 mph	-	-	-	-	0.0047	0.0011	0.0078	0.0006	0.0141
35 mph	0.0477	0.0087	0.0300	0.0100	-	-	-	-	0.0964
total	0.0813	0.0145	0.0507	0.0175	0.1873	0.0569	0.1402	0.0018	0.5503

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1782	0.0547	0.1290	0.0009	0.3629
10 mph	0.0069	0.0012	0.0042	0.0225	0.0125	0.0030	0.0090	0.0007	0.0599
15 mph	0.0357	0.0061	0.0220	0.0149	0.0087	0.0021	0.0054	0.0004	0.0954
20 mph	0.0026	0.0005	0.0016	0.0089	0.0051	0.0012	0.0080	0.0006	0.0286
25 mph	0.0092	0.0016	0.0057	0.0295	0.0216	0.0050	0.0258	0.0020	0.1004
30 mph	0.0081	0.0015	0.0051	0.0270	0.0159	0.0036	0.0167	0.0013	0.0791
35 mph	0.0537	0.0098	0.0338	0.0325	0.0141	0.0031	0.0100	0.0008	0.1578
40 mph	0.0025	0.0005	0.0015	0.0111	0.0076	0.0017	0.0085	0.0007	0.0340
45 mph	0.0019	0.0003	0.0012	0.0083	0.0057	0.0012	0.0058	0.0005	0.0249
50 mph	0.0019	0.0003	0.0012	0.0086	0.0061	0.0013	0.0051	0.0004	0.0248
55 mph	0.0013	0.0002	0.0008	0.0057	0.0040	0.0008	0.0017	0.0001	0.0147
60 mph	0.0021	0.0004	0.0013	0.0076	0.0051	0.0011	0.0706	0.0057	0.0939
65 mph	0.0004	0.0001	0.0002	0.0015	0.0011	0.0002	-	-	0.0034
70 mph	0.0052	0.0010	0.0032	0.0345	0.0272	0.0053	-	-	0.0764
total	0.1314	0.0235	0.0819	0.2123	0.3129	0.0844	0.2956	0.0143	1.1562

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0002	0.0129	0.0091	0.0025	0.0123	0.0372
15 mph	0.0000	0.0000	0.0000	0.0000	0.0027	0.0019	0.0005	0.0022	0.0073
20 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0017	0.0006	0.0028	0.0076
25 mph	0.0000	0.0000	0.0000	0.0001	0.0079	0.0055	0.0028	0.0126	0.0289
30 mph	0.0000	0.0000	0.0000	0.0001	0.0069	0.0047	0.0020	0.0093	0.0230
35 mph	0.0000	0.0000	0.0000	0.0001	0.0047	0.0032	0.0008	0.0034	0.0122
40 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0009	0.0007	0.0033	0.0063
45 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0005	0.0024	0.0047
50 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0006	0.0009	0.0039	0.0064
55 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0002	0.0010	0.0025
60 mph	0.0000	0.0000	0.0000	0.0000	0.0015	0.0010	0.0003	0.0012	0.0040
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0001	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0001	0.0000	0.0001	0.0005	0.0433	0.0300	0.0118	0.0546	0.1404

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0028	0.0020	-	-	0.0048
15 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0010	-	-	0.0024
20 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	0.0012	0.0050	0.0073
25 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	0.0016	0.0073	0.0103
30 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0009	0.0022	0.0100	0.0145
35 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0017	0.0018	0.0083	0.0144
40 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0017	0.0014	0.0065	0.0121
45 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0012	0.0010	0.0044	0.0083
50 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0012	0.0005	0.0022	0.0058
55 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0003	0.0012	0.0031
60 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	0.0216	0.0990	0.1216
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	0.0000	0.0000	0.0000	0.0001	0.0169	0.0102	-	-	0.0271
total	0.0000	0.0000	0.0000	0.0002	0.0343	0.0221	0.0315	0.1439	0.2321

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0097	0.0068	0.0046	0.0408	0.0619
15 mph	0.0002	0.0000	0.0001	0.0001	0.0043	0.0030	0.0008	0.0038	0.0122
25 mph	-	-	-	-	0.0024	0.0017	0.0019	0.0086	0.0145
35 mph	0.0001	0.0000	0.0001	0.0000	-	-	-	-	0.0002
total	0.0003	0.0000	0.0002	0.0001	0.0163	0.0115	0.0073	0.0532	0.0889

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0097	0.0068	0.0046	0.0408	0.0619
10 mph	0.0000	0.0000	0.0000	0.0002	0.0157	0.0111	0.0025	0.0123	0.0420
15 mph	0.0002	0.0000	0.0001	0.0001	0.0084	0.0059	0.0013	0.0061	0.0220
20 mph	0.0000	0.0000	0.0000	0.0000	0.0031	0.0021	0.0018	0.0078	0.0148
25 mph	0.0000	0.0000	0.0000	0.0001	0.0112	0.0077	0.0062	0.0285	0.0537
30 mph	0.0000	0.0000	0.0000	0.0001	0.0082	0.0056	0.0042	0.0193	0.0375
35 mph	0.0002	0.0000	0.0001	0.0001	0.0072	0.0049	0.0026	0.0117	0.0268
40 mph	0.0000	0.0000	0.0000	0.0000	0.0038	0.0026	0.0021	0.0098	0.0184
45 mph	0.0000	0.0000	0.0000	0.0000	0.0028	0.0019	0.0015	0.0068	0.0130
50 mph	0.0000	0.0000	0.0000	0.0000	0.0028	0.0019	0.0013	0.0061	0.0122
55 mph	0.0000	0.0000	0.0000	0.0000	0.0017	0.0012	0.0005	0.0022	0.0056
60 mph	0.0000	0.0000	0.0000	0.0000	0.0021	0.0014	0.0218	0.1002	0.1256
65 mph	0.0000	0.0000	0.0000	0.0000	0.0004	0.0003	-	-	0.0007
70 mph	0.0000	0.0000	0.0000	0.0001	0.0169	0.0102	-	-	0.0271
total	0.0005	0.0000	0.0002	0.0008	0.0940	0.0636	0.0505	0.2517	0.4614

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								2.1475	2.1475
15 mph								0.4877	0.4877
20 mph								0.6838	0.6838
25 mph								2.7616	2.7616
30 mph								1.8668	1.8668
35 mph								0.6257	0.6257
40 mph								0.5192	0.5192
45 mph								0.3116	0.3116
50 mph								0.3830	0.3830
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	9.7869	9.7869

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1.2327	1.2327
25 mph								1.5841	1.5841
30 mph								2.0193	2.0193
35 mph								1.5040	1.5040
40 mph								1.0296	1.0296
45 mph								0.5618	0.5618
50 mph								0.2124	0.2124
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	6.3400	6.3400

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0413	0.0413
15 mph								0.8318	0.8318
25 mph								1.8738	1.8738
35 mph								-	-
total	-	-	-	-	-	-	-	2.7469	2.7469

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0413	0.0413
10 mph								2.1475	2.1475
15 mph								1.3194	1.3194
20 mph								1.9164	1.9164
25 mph								6.2195	6.2195
30 mph								3.8861	3.8861
35 mph								2.1297	2.1297
40 mph								1.5488	1.5488
45 mph								0.8735	0.8735
50 mph								0.5954	0.5954
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	20.6776	20.6776

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1878	0.0615	0.1336	0.0830	0.4660
10 mph	0.0069	0.0012	0.0042	0.0227	0.0282	0.0141	0.0115	2.1605	2.2494
15 mph	0.0359	0.0061	0.0221	0.0150	0.0171	0.0080	0.0067	1.3259	1.4368
20 mph	0.0026	0.0005	0.0016	0.0089	0.0082	0.0033	0.0098	1.9248	1.9598
25 mph	0.0092	0.0016	0.0057	0.0296	0.0327	0.0127	0.0321	6.2500	6.3736
30 mph	0.0081	0.0015	0.0051	0.0270	0.0241	0.0093	0.0209	3.9068	4.0028
35 mph	0.0539	0.0098	0.0339	0.0326	0.0213	0.0081	0.0126	2.1422	2.3143
40 mph	0.0025	0.0005	0.0015	0.0111	0.0114	0.0043	0.0106	1.5593	1.6012
45 mph	0.0019	0.0003	0.0012	0.0083	0.0085	0.0031	0.0073	0.8807	0.9113
50 mph	0.0019	0.0003	0.0012	0.0086	0.0089	0.0032	0.0064	0.6020	0.6324
55 mph	0.0013	0.0002	0.0008	0.0057	0.0057	0.0020	0.0022	0.0024	0.0203
60 mph	0.0021	0.0004	0.0013	0.0076	0.0072	0.0025	0.0924	0.1059	0.2195
65 mph	0.0004	0.0001	0.0002	0.0015	0.0015	0.0005	-	-	0.0042
70 mph	0.0052	0.0010	0.0032	0.0346	0.0441	0.0154	-	-	0.1036
STREX	0.0873	0.0088	0.0439	0.2028	0.0236	0.0073	0.0202	0.0000	0.3939
total	0.2192	0.0323	0.1260	0.4159	0.4305	0.1553	0.3663	20.9436	**22.6891**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0387	0.0524	0.0525	0.0617	0.0196	0.0198	0.0348	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0873	0.0088	0.0439	0.2028	0.0236	0.0073	0.0202	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0873	0.0088	0.0439	0.2028	0.0236	0.0073	0.0202	0.0000

World Logistics Center
Mobile Emissions - Medium EV 2026 (Net) - Mitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,418.37	5,156.88	13,119.83	22,008.65
10 mph	461.33	538.89	561.24	693.13	1,454.22	1,673.31	3,011.19	3,582.38
15 mph	377.04	440.30	458.43	565.56	1,187.68	1,365.65	2,462.99	2,939.90
20 mph	313.61	366.25	381.30	470.49	987.47	1,135.63	2,044.72	2,449.51
25 mph	268.14	313.26	326.19	402.87	844.13	970.73	1,750.01	2,096.06
30 mph	237.96	278.11	289.66	358.23	749.38	861.82	1,555.19	1,859.25
35 mph	220.68	258.01	268.78	333.04	695.10	799.54	1,442.87	1,721.26
40 mph	213.85	250.02	260.45	322.82	672.96	774.12	1,396.20	1,664.34
45 mph	214.96	251.18	261.62	324.13	675.43	776.97	1,402.30	1,665.72
50 mph	221.42	258.68	269.35	334.08	695.37	799.51	1,442.36	1,711.85
55 mph	230.05	268.74	279.91	347.38	723.94	832.32	1,499.23	1,779.54
60 mph	237.01	277.16	288.91	359.00	753.18	865.90	1,559.09	1,849.35
65 mph	242.73	284.41	296.61	369.36	776.09	891.80		
70 mph	245.64	288.81	299.25	379.02	788.48	902.34		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,591.10	5,784.30	5,917.34	5,594.69
10 mph	384.62	842.68	518.82	646.09	937.89	1,049.16	1,836.20	2,760.50
15 mph	316.43	701.21	430.35	547.13	609.80	695.53	1,444.66	2,143.57
20 mph	259.56	575.86	353.51	454.47	520.47	593.99	1,233.86	1,813.09
25 mph	217.67	481.05	296.45	385.03	461.63	529.38	1,076.81	1,543.28
30 mph	188.62	413.92	256.34	333.31	419.76	478.04	945.21	1,354.02
35 mph	170.61	371.04	231.30	303.32	420.78	479.14	844.13	1,210.05
40 mph	159.68	345.70	215.85	283.92	409.84	462.27	773.29	1,110.52
45 mph	154.25	333.71	208.13	273.14	399.94	444.55	732.78	1,053.98
50 mph	154.77	333.80	208.36	274.83	419.66	461.39	722.94	1,034.50
55 mph	161.91	349.00	217.79	290.01	438.09	477.09	743.83	1,077.61
60 mph	175.56	378.17	235.96	314.03	442.16	478.44	794.82	1,142.51
65 mph	197.51	421.50	264.97	353.67	449.36	481.32		
70 mph	215.44	439.52	282.63	387.26	461.11	493.63		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,669.57
10 mph								4,589.51
15 mph								3,851.34
20 mph								3,361.21
25 mph								3,095.83
30 mph								2,925.85
35 mph								2,791.34
40 mph								2,681.16
45 mph								2,588.71
50 mph								2,509.76
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	419.32	36.52	188.76	936.06	943.94	331.12	992.18	7.80	3,855.71
15 mph	137.08	11.94	61.67	305.52	308.37	108.09	270.52	2.13	1,205.32
20 mph	228.04	19.86	102.59	508.32	512.77	179.78	449.15	3.56	2,004.07
25 mph	974.89	84.93	438.83	2,176.27	2,191.70	768.36	2,114.28	16.74	8,766.00
30 mph	951.71	82.94	428.65	2,128.68	2,140.25	750.37	1,708.10	13.50	8,204.19
35 mph	722.12	62.95	325.43	1,619.18	1,624.28	569.57	713.13	5.62	5,642.29
40 mph	233.26	20.33	105.12	523.16	524.18	183.82	766.74	6.04	2,362.65
45 mph	195.39	17.02	87.99	437.74	438.42	153.75	616.07	4.84	1,951.22
50 mph	201.26	17.53	90.59	451.17	451.37	158.21	1,029.72	8.08	2,407.92
55 mph	167.28	14.57	75.31	375.31	375.93	131.76	247.00	1.94	1,389.10
60 mph	344.68	30.06	155.47	775.72	782.22	274.15	256.86	2.01	2,621.18
65 mph	44.13	3.86	19.95	99.76	100.75	35.29	-	-	303.74
70 mph	-	-	-	-	-	-	-	-	-
total	4,619.16	402.52	2,080.38	10,336.89	10,394.18	3,644.27	9,163.75	72.25	40,713.40

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	34.68	3.02	15.61	161.69	202.41	71.00	-	-	488.41
15 mph	28.34	2.47	12.75	131.93	165.31	57.95	-	-	398.75
20 mph	23.58	2.05	10.61	109.75	137.45	48.19	809.71	6.41	1,147.74
25 mph	40.31	3.51	18.15	187.95	234.99	82.38	1,212.76	9.60	1,789.66
30 mph	71.56	6.24	32.23	334.26	417.22	146.28	1,847.57	14.60	2,869.95
35 mph	149.31	13.02	67.29	699.20	870.76	305.34	1,714.14	13.52	3,832.56
40 mph	160.76	14.01	72.45	753.04	936.69	328.48	1,520.47	11.98	3,797.88
45 mph	129.28	11.26	58.22	604.88	752.10	263.75	1,110.62	8.72	2,938.84
50 mph	149.81	13.05	67.43	701.37	871.10	305.33	571.18	4.48	2,683.75
55 mph	86.47	7.53	38.93	405.17	503.83	176.59	296.85	2.33	1,517.69
60 mph	53.45	4.66	24.11	251.23	314.50	110.23	21,609.12	169.41	22,536.71
65 mph	18.25	1.59	8.25	86.16	108.02	37.84	-	-	260.12
70 mph	849.45	74.47	382.90	4,067.09	5,048.38	1,761.28	-	-	12,183.58
total	1,795.25	156.89	808.93	8,493.73	10,562.76	3,694.63	30,692.42	241.04	56,445.65

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	366.60	130.44	504.20	8.20	1,009.44
15 mph	2,717.95	236.68	1,222.80	445.19	494.77	173.43	461.41	3.64	5,755.87
25 mph	-	-	-	-	667.85	234.13	1,434.61	11.36	2,347.96
35 mph	6,844.78	596.72	3,084.70	1,036.53	-	-	-	-	11,562.73
total	9,562.73	833.40	4,307.50	1,481.72	1,529.22	538.01	2,400.22	23.20	20,675.99

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	366.60	130.44	504.20	8.20	1,009.44
10 mph	454.00	39.55	204.37	1,097.75	1,146.35	402.12	992.18	7.80	4,344.12
15 mph	2,883.37	251.08	1,297.23	882.64	968.45	339.48	731.92	5.77	7,359.95
20 mph	251.62	21.91	113.20	618.07	650.22	227.96	1,258.86	9.97	3,151.81
25 mph	1,015.21	88.44	456.97	2,364.23	3,094.54	1,084.87	4,761.66	37.69	12,903.62
30 mph	1,023.26	89.17	460.88	2,462.94	2,557.47	896.65	3,555.67	28.10	11,074.13
35 mph	7,716.21	672.69	3,477.42	3,354.91	2,495.04	874.91	2,427.27	19.14	21,037.59
40 mph	394.02	34.35	177.56	1,276.20	1,460.87	512.30	2,287.21	18.02	6,160.54
45 mph	324.66	28.29	146.21	1,042.62	1,190.52	417.50	1,726.69	13.56	4,890.05
50 mph	351.07	30.58	158.02	1,152.54	1,322.47	463.54	1,600.89	12.56	5,091.67
55 mph	253.76	22.10	114.25	780.47	879.76	308.35	543.84	4.27	2,906.79
60 mph	398.13	34.72	179.58	1,026.96	1,096.73	384.38	21,865.98	171.42	25,157.90
65 mph	62.37	5.45	28.20	185.92	208.78	73.14	-	-	563.86
70 mph	849.45	74.47	382.90	4,067.09	5,048.38	1,761.28	-	-	12,183.58
total	15,977.14	1,392.81	7,196.81	20,312.34	22,486.17	7,876.91	42,256.38	336.49	117,835.04

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	3.62	0.02	1.39	23.26	481.05	378.53	3,099.96	8,779.39	12,767.22
15 mph	1.19	0.01	0.46	7.88	125.11	100.38	812.98	2,272.45	3,320.45
20 mph	1.95	0.01	0.76	13.09	213.56	171.45	1,388.70	3,844.20	5,633.72
25 mph	8.18	0.06	3.18	55.44	947.10	763.98	6,665.70	17,996.67	26,440.30
30 mph	7.80	0.05	3.03	52.79	947.33	758.87	5,319.17	14,354.22	21,443.25
35 mph	5.77	0.04	2.23	39.30	776.96	622.33	2,137.65	5,772.63	9,356.91
40 mph	1.80	0.01	0.70	12.26	252.26	200.14	2,175.84	5,886.45	8,529.46
45 mph	1.45	0.01	0.56	9.83	205.14	160.39	1,649.48	4,469.41	6,496.27
50 mph	1.45	0.01	0.56	9.89	215.25	166.47	2,644.43	7,128.52	10,166.58
55 mph	1.22	0.01	0.47	8.35	179.76	137.70	627.88	1,713.59	2,668.98
60 mph	2.64	0.02	1.01	18.09	362.86	276.19	670.93	1,816.80	3,148.54
65 mph	0.37	0.00	0.14	2.55	46.10	34.73	-	-	83.89
70 mph	-	-	-	-	-	-	-	-	-
total	37.45	0.25	14.49	252.71	4,752.47	3,771.13	27,192.73	74,034.33	110,055.56

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.30	0.00	0.12	4.02	103.15	81.17	-	-	188.76
15 mph	0.25	0.00	0.10	3.40	67.07	53.81	-	-	124.62
20 mph	0.20	0.00	0.08	2.83	57.24	45.95	2,503.49	6,930.14	9,539.93
25 mph	0.34	0.00	0.13	4.79	101.55	81.91	3,823.47	10,322.95	14,335.13
30 mph	0.59	0.00	0.23	8.29	184.67	147.93	5,753.49	15,526.27	21,621.47
35 mph	1.19	0.01	0.46	16.97	416.52	333.62	5,138.21	13,875.50	19,782.48
40 mph	1.24	0.01	0.48	17.65	450.77	357.64	4,314.76	11,673.00	16,815.55
45 mph	0.96	0.01	0.37	13.59	351.90	275.14	2,973.61	8,057.25	11,672.82
50 mph	1.08	0.01	0.42	15.38	415.41	321.27	1,466.85	3,954.14	6,174.55
55 mph	0.63	0.00	0.24	9.02	240.92	184.55	754.61	2,059.45	3,249.42
60 mph	0.41	0.00	0.16	5.86	145.89	111.05	56,444.12	152,844.79	209,552.27
65 mph	0.15	0.00	0.06	2.20	49.42	37.24	-	-	89.07
70 mph	7.70	0.05	2.89	110.75	2,332.92	1,756.75	-	-	4,211.06
total	15.05	0.10	5.72	214.73	4,917.44	3,788.03	83,172.61	225,243.48	317,357.15

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	235.45	266.76	1,165.15	2,075.26	3,742.62
15 mph	23.59	0.16	9.16	11.48	200.73	161.05	1,386.66	3,876.01	5,668.84
25 mph	-	-	-	-	288.60	232.80	4,522.91	12,211.35	17,255.66
35 mph	54.72	0.36	21.18	25.16	-	-	-	-	101.42
total	78.31	0.52	30.34	36.64	724.78	660.61	7,074.71	18,162.63	26,768.54

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	235.45	266.76	1,165.15	2,075.26	3,742.62
10 mph	3.91	0.03	1.51	27.27	584.21	459.69	3,099.96	8,779.39	12,955.97
15 mph	25.02	0.17	9.72	22.76	392.91	315.23	2,199.64	6,148.46	9,113.91
20 mph	2.15	0.01	0.84	15.91	270.81	217.40	3,892.19	10,774.33	15,173.66
25 mph	8.52	0.06	3.31	60.22	1,337.24	1,078.69	15,012.07	40,530.97	58,031.09
30 mph	8.39	0.06	3.25	61.08	1,132.00	906.80	11,072.67	29,880.48	43,064.73
35 mph	61.69	0.41	23.88	81.44	1,193.47	955.95	7,275.87	19,648.12	29,240.82
40 mph	3.04	0.02	1.17	29.92	703.03	557.78	6,490.60	17,559.45	25,345.00
45 mph	2.41	0.02	0.93	23.42	557.04	435.53	4,623.09	12,526.66	18,169.09
50 mph	2.54	0.02	0.98	25.27	630.65	487.73	4,111.27	11,082.67	16,341.13
55 mph	1.85	0.01	0.71	17.37	420.68	322.25	1,382.49	3,773.05	5,918.40
60 mph	3.05	0.02	1.17	23.94	508.76	387.23	57,115.05	154,661.59	212,700.81
65 mph	0.52	0.00	0.20	4.74	95.52	71.97	-	-	172.96
70 mph	7.70	0.05	2.89	110.75	2,332.92	1,756.75	-	-	4,211.06
total	130.81	0.87	50.55	504.08	10,394.69	8,219.77	117,440.05	317,440.43	454,181.25

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								835.00	835.00
15 mph								233.57	233.57
20 mph								407.68	407.68
25 mph								2,065.22	2,065.22
30 mph								1,774.39	1,774.39
35 mph								761.77	761.77
40 mph								813.00	813.00
45 mph								627.97	627.97
50 mph								989.33	989.33
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	8,507.94	8,507.94

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								734.95	734.95
25 mph								1,184.62	1,184.62
30 mph								1,919.28	1,919.28
35 mph								1,831.04	1,831.04
40 mph								1,612.20	1,612.20
45 mph								1,132.08	1,132.08
50 mph								548.78	548.78
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5,669.89	5,669.89

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								120.31	120.31
15 mph								398.38	398.38
25 mph								1,401.33	1,401.33
35 mph								-	-
total	-	-	-	-	-	-	-	1,920.01	1,920.01

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								120.31	120.31
10 mph								835.00	835.00
15 mph								631.95	631.95
20 mph								1,142.64	1,142.64
25 mph								4,651.17	4,651.17
30 mph								3,693.67	3,693.67
35 mph								2,592.81	2,592.81
40 mph								2,425.21	2,425.21
45 mph								1,760.06	1,760.06
50 mph								1,538.11	1,538.11
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	19,390.91	19,390.91

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	602.05	397.20	1,669.35	2,203.77	4,872.36
10 mph	457.92	39.57	205.88	1,125.02	1,730.56	861.81	4,092.14	9,622.19	18,135.09
15 mph	2,908.40	251.25	1,306.95	905.39	1,361.37	654.71	2,931.56	6,786.18	17,105.81
20 mph	253.77	21.93	114.04	633.98	921.03	445.36	5,151.06	11,926.94	19,468.10
25 mph	1,023.73	88.50	460.29	2,424.45	4,431.78	2,163.56	19,773.73	45,219.84	75,585.88
30 mph	1,031.65	89.23	464.14	2,524.02	3,689.46	1,803.45	14,628.33	33,602.25	57,832.53
35 mph	7,777.90	673.10	3,501.30	3,436.35	3,688.51	1,830.85	9,703.14	22,260.07	52,871.21
40 mph	397.06	34.37	178.74	1,306.12	2,163.89	1,070.07	8,777.81	20,002.68	33,930.74
45 mph	327.07	28.30	147.14	1,066.04	1,747.56	853.03	6,349.78	14,300.27	24,819.20
50 mph	353.61	30.60	159.00	1,177.81	1,953.12	951.27	5,712.17	12,633.34	22,970.90
55 mph	255.60	22.12	114.95	797.84	1,300.44	630.60	1,926.33	3,777.31	8,825.20
60 mph	401.18	34.74	180.75	1,050.90	1,605.48	771.61	78,981.03	154,833.01	237,858.71
65 mph	62.90	5.45	28.40	190.67	304.30	145.10	-	-	736.82
70 mph	857.16	74.52	385.79	4,177.84	7,381.30	3,518.03	-	-	16,394.64
STREX	111.50	9.76	51.40	250.93	21.89	7.60	20.89	0.17	474.14
total	16,219.44	1,403.44	7,298.76	21,067.35	32,902.74	16,104.28	159,717.32	337,168.01	**591,881.34**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	49.38	57.98	61.52	76.29	18.16	20.68	36.06	44.50
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	111.50	9.76	51.40	250.93	21.89	7.60	20.89	0.17
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	111.50	9.76	51.40	250.93	21.89	7.60	20.89	0.17

World Logistics Center
Mobile Emissions - Medium EV 2027 (Net) - Mitigated

Pounds per day

PM2.5 Exhaust	Dust	Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
7.62	27.80	27.96	63.38	5.81	81.97	25.08	652,530.38

Tons per year

PM2.5 Exhaust	Dust	Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
1.39	5.07	5.10	11.57	1.06	14.96	4.58	119,086.79

World Logistics Center
Mobile Emissions - Medium EV 2027 (Net) - Mitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	1,431.11	14.80	79.34	37,559.62	388.41	2,082.20
LDT1	106.71	0.05	5.85	2,800.72	1.18	153.63
LDT2	529.54	4.23	29.29	13,897.91	110.89	768.82
MDT	1,601.75	42.69	90.24	24,518.43	653.47	1,381.32
LHDT1	586.63	463.55	-	13,215.03	10,442.38	-
LHDT2	178.84	326.07	-	4,028.67	7,345.33	-
MHDT	283.66	1,453.38	-	12,457.01	63,825.98	-
HHDT	1.89	2,733.99	160.55	82.83	120,064.55	7,050.62

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	26,571.55	274.78	1,473.05	10,988.07	113.63	609.15
LDT1	1,981.37	0.84	108.68	819.35	0.35	44.94
LDT2	9,832.07	78.45	543.90	4,065.83	32.44	224.92
MDT	13,156.14	350.64	741.19	11,362.29	302.83	640.13
LHDT1	6,377.38	5,039.34	-	6,837.65	5,403.04	-
LHDT2	1,944.18	3,544.75	-	2,084.49	3,800.58	-
MHDT	2,704.81	13,858.62	-	9,752.20	49,967.35	-
HHDT	17.98	26,069.78	1,530.91	64.84	93,994.77	5,519.71

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	1,328.58	99.07	491.60	657.81	318.87	97.21	162.29	1.08	3,156.50
15 mph	531.43	39.63	196.64	263.12	127.55	38.88	54.10	0.36	1,251.71
20 mph	1,062.86	79.25	393.28	526.25	255.10	77.77	108.19	0.72	2,503.42
25 mph	5,314.31	396.27	1,966.41	2,631.23	1,275.48	388.84	595.06	3.96	12,571.55
30 mph	5,845.74	435.90	2,163.06	2,894.35	1,403.02	427.72	540.96	3.60	13,714.35
35 mph	4,782.88	356.65	1,769.77	2,368.11	1,147.93	349.95	243.43	1.62	11,020.33
40 mph	1,594.29	118.88	589.92	789.37	382.64	116.65	270.48	1.80	3,864.04
45 mph	1,328.58	99.07	491.60	657.81	318.87	97.21	216.38	1.44	3,210.96
50 mph	1,328.58	99.07	491.60	657.81	318.87	97.21	351.63	2.34	3,347.10
55 mph	1,062.86	79.25	393.28	526.25	255.10	77.77	81.14	0.54	2,476.19
60 mph	2,125.72	158.51	786.57	1,052.49	510.19	155.53	81.14	0.54	4,870.70
65 mph	265.72	19.81	98.32	131.56	63.77	19.44	-	-	598.63
70 mph	-	-	-	-	-	-	-	-	-
total	26,571.55	1,981.37	9,832.07	13,156.14	6,377.38	1,944.18	2,704.81	17.98	62,585.47

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	109.88	8.19	40.66	113.62	68.38	20.84	-	-	361.58
15 mph	109.88	8.19	40.66	113.62	68.38	20.84	-	-	361.58
20 mph	109.88	8.19	40.66	113.62	68.38	20.84	195.04	1.30	557.92
25 mph	219.76	16.39	81.32	227.25	136.75	41.69	341.33	2.27	1,066.75
30 mph	439.52	32.77	162.63	454.49	273.51	83.38	585.13	3.89	2,035.33
35 mph	988.93	73.74	365.93	1,022.61	615.39	187.60	585.13	3.89	3,843.21
40 mph	1,098.81	81.94	406.58	1,136.23	683.76	208.45	536.37	3.57	4,155.71
45 mph	879.05	65.55	325.27	908.98	547.01	166.76	390.09	2.59	3,285.30
50 mph	988.93	73.74	365.93	1,022.61	615.39	187.60	195.04	1.30	3,450.53
55 mph	549.40	40.97	203.29	568.11	341.88	104.22	97.52	0.65	1,906.05
60 mph	329.64	24.58	121.98	340.87	205.13	62.53	6,826.54	45.39	7,956.66
65 mph	109.88	8.19	40.66	113.62	68.38	20.84	-	-	361.58
70 mph	5,054.51	376.90	1,870.28	5,226.65	3,145.32	958.87	-	-	16,632.54
total	10,988.07	819.35	4,065.83	11,362.29	6,837.65	2,084.49	9,752.20	64.84	45,974.73

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	40.37	12.31	18.70	0.18	71.55
15 mph	3,507.07	261.51	1,297.70	382.96	202.67	61.78	91.14	0.61	5,805.44
25 mph	-	-	-	-	384.91	117.34	398.82	2.65	903.73
35 mph	15,089.63	1,125.19	5,583.50	1,514.14	-	-	-	-	23,312.46
total	18,596.70	1,386.70	6,881.20	1,897.10	587.58	179.13	489.96	3.26	30,021.63

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	40.37	12.31	18.70	0.18	71.55
10 mph	1,438.46	107.26	532.26	771.43	387.25	118.05	162.29	1.08	3,518.08
15 mph	4,148.38	309.33	1,534.99	759.71	398.59	121.51	145.24	0.97	7,418.72
20 mph	1,172.74	87.45	433.94	639.87	323.47	98.61	303.24	2.02	3,061.34
25 mph	5,534.07	412.66	2,047.73	2,858.47	1,797.14	547.87	1,335.21	8.88	14,542.03
30 mph	6,285.26	468.67	2,325.69	3,348.84	1,676.53	511.10	1,126.09	7.49	15,749.68
35 mph	20,861.43	1,555.58	7,719.20	4,904.86	1,763.32	537.56	828.56	5.51	38,176.01
40 mph	2,693.10	200.82	996.51	1,925.60	1,066.41	325.10	806.85	5.36	8,019.75
45 mph	2,207.62	164.62	816.87	1,566.79	865.88	263.97	606.47	4.03	6,496.25
50 mph	2,317.50	172.81	857.53	1,680.41	934.26	284.81	546.67	3.63	6,797.63
55 mph	1,612.27	120.22	596.57	1,094.36	596.98	181.99	178.67	1.19	4,382.25
60 mph	2,455.37	183.09	908.54	1,393.36	715.32	218.07	6,907.69	45.93	12,827.36
65 mph	375.60	28.01	138.98	245.18	132.15	40.29	-	-	960.20
70 mph	5,054.51	376.90	1,870.28	5,226.65	3,145.32	958.87	-	-	16,632.54
total	56,156.32	4,187.42	20,779.10	26,415.53	13,802.60	4,207.79	12,946.98	86.09	138,581.84

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	13.74	0.04	3.92	17.53	251.97	177.24	831.52	1,564.19	2,860.14
15 mph	5.50	0.02	1.57	7.01	100.79	70.89	277.17	521.40	984.34
20 mph	10.99	0.03	3.14	14.03	201.57	141.79	554.34	1,042.79	1,968.69
25 mph	54.96	0.17	15.69	70.13	1,007.87	708.95	3,048.90	5,735.35	10,642.01
30 mph	60.45	0.18	17.26	77.14	1,108.65	779.84	2,771.72	5,213.96	10,029.21
35 mph	49.46	0.15	14.12	63.12	907.08	638.05	1,247.28	2,346.28	5,265.54
40 mph	16.49	0.05	4.71	21.04	302.36	212.68	1,385.86	2,606.98	4,550.17
45 mph	13.74	0.04	3.92	17.53	251.97	177.24	1,108.69	2,085.58	3,658.71
50 mph	13.74	0.04	3.92	17.53	251.97	177.24	1,801.62	3,389.07	5,655.13
55 mph	10.99	0.03	3.14	14.03	201.57	141.79	415.76	782.09	1,569.40
60 mph	21.98	0.07	6.28	28.05	403.15	283.58	415.76	782.09	1,940.96
65 mph	2.75	0.01	0.78	3.51	50.39	35.45	-	-	92.89
70 mph	-	-	-	-	-	-	-	-	-
total	274.78	0.84	78.45	350.64	5,039.34	3,544.75	13,858.62	26,069.78	49,217.19

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	1.14	0.00	0.32	3.03	54.03	38.01	-	-	96.53
15 mph	1.14	0.00	0.32	3.03	54.03	38.01	-	-	96.53
20 mph	1.14	0.00	0.32	3.03	54.03	38.01	999.35	1,879.90	2,975.77
25 mph	2.27	0.01	0.65	6.06	108.06	76.01	1,748.86	3,289.82	5,231.73
30 mph	4.55	0.01	1.30	12.11	216.12	152.02	2,998.04	5,639.69	9,023.84
35 mph	10.23	0.03	2.92	27.25	486.27	342.05	2,998.04	5,639.69	9,506.49
40 mph	11.36	0.03	3.24	30.28	540.30	380.06	2,748.20	5,169.71	8,883.20
45 mph	9.09	0.03	2.60	24.23	432.24	304.05	1,998.69	3,759.79	6,530.71
50 mph	10.23	0.03	2.92	27.25	486.27	342.05	999.35	1,879.90	3,748.00
55 mph	5.68	0.02	1.62	15.14	270.15	190.03	499.67	939.95	1,922.26
60 mph	3.41	0.01	0.97	9.08	162.09	114.02	34,977.15	65,796.34	101,063.07
65 mph	1.14	0.00	0.32	3.03	54.03	38.01	-	-	96.53
70 mph	52.27	0.16	14.92	139.30	2,485.40	1,748.27	-	-	4,440.32
total	113.63	0.35	32.44	302.83	5,403.04	3,800.58	49,967.35	93,994.77	153,614.99

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	31.90	22.44	95.79	180.20	330.33
15 mph	36.27	0.11	10.35	10.21	160.15	112.65	466.97	878.43	1,675.14
25 mph	-	-	-	-	304.15	213.94	2,043.45	3,843.98	6,405.53
35 mph	156.04	0.47	44.55	40.36	-	-	-	-	241.42
total	192.31	0.59	54.90	50.56	464.30	326.59	2,510.42	4,722.42	8,322.09

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	31.90	22.44	95.79	180.20	330.33
10 mph	14.88	0.05	4.25	20.56	306.00	215.24	831.52	1,564.19	2,956.67
15 mph	42.90	0.13	12.25	20.25	314.96	221.55	744.14	1,399.83	2,756.01
20 mph	12.13	0.04	3.46	17.05	255.60	179.80	1,553.69	2,922.69	4,944.46
25 mph	57.23	0.17	16.34	76.18	1,420.08	998.91	6,841.21	12,869.15	22,279.27
30 mph	65.00	0.20	18.56	89.25	1,324.78	931.87	5,769.77	10,853.64	19,053.06
35 mph	215.73	0.66	61.59	130.73	1,393.35	980.11	4,245.32	7,985.97	15,013.45
40 mph	27.85	0.08	7.95	51.32	842.66	592.74	4,134.07	7,776.69	13,433.37
45 mph	22.83	0.07	6.52	41.76	684.21	481.28	3,107.38	5,845.37	10,189.43
50 mph	23.97	0.07	6.84	44.79	738.24	519.29	2,800.97	5,268.97	9,403.13
55 mph	16.67	0.05	4.76	29.17	471.73	331.82	915.43	1,722.04	3,491.67
60 mph	25.39	0.08	7.25	37.14	565.24	397.60	35,392.91	66,578.43	103,004.03
65 mph	3.88	0.01	1.11	6.53	104.42	73.45	-	-	189.42
70 mph	52.27	0.16	14.92	139.30	2,485.40	1,748.27	-	-	4,440.32
total	580.72	1.77	165.79	704.03	10,906.68	7,671.92	66,336.40	124,786.97	211,154.27

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	73.65	5.43	27.20	37.06	-	-	-	91.85	235.20
15 mph	29.46	2.17	10.88	14.82	-	-	-	30.62	87.95
20 mph	58.92	4.35	21.76	29.65	-	-	-	61.24	175.91
25 mph	294.61	21.74	108.78	148.24	-	-	-	336.80	910.17
30 mph	324.07	23.91	119.66	163.06	-	-	-	306.18	936.88
35 mph	265.15	19.56	97.90	133.41	-	-	-	137.78	653.81
40 mph	88.38	6.52	32.63	44.47	-	-	-	153.09	325.10
45 mph	73.65	5.43	27.20	37.06	-	-	-	122.47	265.81
50 mph	73.65	5.43	27.20	37.06	-	-	-	199.02	342.36
55 mph	58.92	4.35	21.76	29.65	-	-	-	45.93	160.60
60 mph	117.84	8.69	43.51	59.30	-	-	-	45.93	275.27
65 mph	14.73	1.09	5.44	7.41	-	-	-	-	28.67
70 mph	-	-	-	-	-	-	-	-	-
total	1,473.05	108.68	543.90	741.19	-	-	-	1,530.91	4,397.74

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	6.09	0.45	2.25	6.40	-	-	-	-	15.19
15 mph	6.09	0.45	2.25	6.40	-	-	-	-	15.19
20 mph	6.09	0.45	2.25	6.40	-	-	-	110.39	125.59
25 mph	12.18	0.90	4.50	12.80	-	-	-	193.19	223.57
30 mph	24.37	1.80	9.00	25.61	-	-	-	331.18	391.95
35 mph	54.82	4.04	20.24	57.61	-	-	-	331.18	467.91
40 mph	60.91	4.49	22.49	64.01	-	-	-	303.58	455.50
45 mph	48.73	3.60	17.99	51.21	-	-	-	220.79	342.32
50 mph	54.82	4.04	20.24	57.61	-	-	-	110.39	247.12
55 mph	30.46	2.25	11.25	32.01	-	-	-	55.20	131.15
60 mph	18.27	1.35	6.75	19.20	-	-	-	3,863.80	3,909.37
65 mph	6.09	0.45	2.25	6.40	-	-	-	-	15.19
70 mph	280.21	20.67	103.46	294.46	-	-	-	-	698.80
total	609.15	44.94	224.92	640.13	-	-	-	5,519.71	7,038.85

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	10.58	10.58
15 mph	194.42	14.34	71.79	21.58	-	-	-	51.58	353.71
25 mph	-	-	-	-	-	-	-	225.73	225.73
35 mph	836.53	61.72	308.87	-	-	-	-	-	1,207.12
total	1,030.95	76.06	380.66	21.58	-	-	-	277.32	1,786.57

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	10.58	10.58
10 mph	79.74	5.88	29.44	43.46	-	-	-	91.85	250.39
15 mph	229.97	16.97	84.91	42.80	-	-	-	82.20	456.86
20 mph	65.01	4.80	24.01	36.05	-	-	-	171.63	301.50
25 mph	306.79	22.64	113.28	161.04	-	-	-	755.72	1,359.47
30 mph	348.44	25.71	128.66	188.67	-	-	-	637.37	1,328.83
35 mph	1,156.50	85.33	427.02	191.03	-	-	-	468.96	2,328.83
40 mph	149.30	11.02	55.13	108.48	-	-	-	456.68	780.60
45 mph	122.38	9.03	45.19	88.27	-	-	-	343.26	608.13
50 mph	128.48	9.48	47.44	94.67	-	-	-	309.41	589.48
55 mph	89.38	6.59	33.00	61.65	-	-	-	101.12	291.75
60 mph	136.12	10.04	50.26	78.50	-	-	-	3,909.73	4,184.65
65 mph	20.82	1.54	7.69	13.81	-	-	-	-	43.86
70 mph	280.21	20.67	103.46	294.46	-	-	-	-	698.80
total	2,186.46	161.32	807.32	663.04	-	-	-	2,207.74	13,223.15

World Logistics Center
Mobile Emissions - Medium EV 2027 (Net) - Mitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	17626	330	0.21	3701.4	3471.9	35.9	192.5
	LDT1	15	1300	330	0.21	273.1	258.9	0.1	14.2
	LDT2	15	6508	330	0.21	1366.7	1284.7	10.3	71.1
	MDT	15	1961	330	0.21	411.8	380.1	10.1	21.4
	LHDT1	15	1723	330	0.21	361.8	202.1	159.7	0.0
	LHDT2	15	828	330	0.21	173.9	61.6	112.3	0.0
	MHDT	15	2637	330	0.21	553.9	90.4	463.4	0.0
	HHDT	15	4398	330	0.21	923.5	0.6	871.7	51.2
Travel at Light Logistics	LDA	15	127	175	0.11	13.9	13.1	0.1	0.7
	LDT1	15	9	175	0.11	1.0	1.0	0.0	0.1
	LDT2	15	47	175	0.11	5.1	4.8	0.0	0.3
	MDT	15	12	175	0.11	1.3	1.2	0.0	0.1
	LHDT1	15	7	175	0.11	0.8	0.4	0.3	0.0
	LHDT2	15	3	175	0.11	0.4	0.1	0.2	0.0
	MHDT	15	9	175	0.11	0.9	0.2	0.8	0.0
	HHDT	15	14	175	0.11	1.6	0.0	1.5	0.1
Travel at Utility	LDA	15	143	100	0.06	8.6	8.1	0.1	0.4
	LDT1	15	11	100	0.06	0.6	0.6	0.0	0.0
	LDT2	15	53	100	0.06	3.2	3.0	0.0	0.2
	MDT	15	31	100	0.06	1.8	1.7	0.0	0.1
	LHDT1	15	5	100	0.06	0.3	0.2	0.1	0.0
	LHDT2	15	2	100	0.06	0.1	0.0	0.1	0.0
	MHDT	15	9	100	0.06	0.5	0.1	0.4	0.0
	HHDT	15	15	100	0.06	0.9	0.0	0.8	0.0
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	93	50	0.03	2.8	0.5	2.3	0.0
	HHDT	15	155	50	0.03	4.7	0.0	4.4	0.3
Travel at Convenience Store	LDA	15	438	50	0.03	13.1	12.3	0.1	0.7
	LDT1	15	32	50	0.03	1.0	0.9	0.0	0.1
	LDT2	15	162	50	0.03	4.8	4.6	0.0	0.3
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	62	50	0.03	1.9	1.7	0.0	0.1
	LDT1	15	5	50	0.03	0.1	0.1	0.0	0.0
	LDT2	15	23	50	0.03	0.7	0.6	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	3507.1	261.5	1297.7	383.0	202.7	61.8	91.1	0.6
Diesel	36.3	0.1	10.4	10.2	160.1	112.6	467.0	878.4
Electric/Natural Gas (HHDT Only)	194.4	14.3	71.8	21.6	0.0	0.0	0.0	51.6

World Logistics Center
Mobile Emissions - Medium EV 2027 (Net) - Mitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	861	481	380	0	2405.8	1901.0	0.0
	LHDT2	5	414	147	267	0	733.4	1337.2	0.0
	MHDT	5	1319	215	1103	0	1076.7	5516.8	0.0
	HHDT	5	2199	1	2076	122	7.2	10377.7	609.4
Travel at Light Logistics	LHDT1	5	3	2	2	0	9.7	7.6	0.0
	LHDT2	5	2	1	1	0	2.9	5.4	0.0
	MHDT	5	4	1	4	0	3.5	17.8	0.0
	HHDT	5	7	0	7	0	0.0	33.6	2.0
Travel at Utility	LHDT1	5	2	1	1	0	6.5	5.1	0.0
	LHDT2	5	1	0	1	0	2.0	3.6	0.0
	MHDT	5	4	1	4	0	3.6	18.6	0.0
	HHDT	5	7	0	7	0	0.0	34.9	2.1
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	46	8	39	0	38.0	194.5	0.0
	HHDT	5	78	0	73	4	0.3	365.9	21.5
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	40.4	12.3	18.7	0.2
Diesel	31.9	22.4	95.8	180.2
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	10.6

World Logistics Center
Mobile Emissions - Medium EV 2027 (Net) - Mitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0355	0.0331	0.0317	0.0350
10 mph	0.0046	0.0060	0.0049	0.0050	0.0045	0.0042	0.0041	0.0045
15 mph	0.0031	0.0040	0.0033	0.0033	0.0030	0.0028	0.0027	0.0030
20 mph	0.0022	0.0029	0.0023	0.0023	0.0021	0.0020	0.0019	0.0021
25 mph	0.0016	0.0021	0.0017	0.0017	0.0016	0.0015	0.0014	0.0016
30 mph	0.0012	0.0017	0.0013	0.0013	0.0012	0.0011	0.0011	0.0012
35 mph	0.0010	0.0014	0.0011	0.0011	0.0010	0.0009	0.0009	0.0010
40 mph	0.0009	0.0012	0.0009	0.0010	0.0009	0.0008	0.0008	0.0009
45 mph	0.0008	0.0011	0.0009	0.0009	0.0008	0.0007	0.0007	0.0008
50 mph	0.0008	0.0010	0.0008	0.0008	0.0008	0.0007	0.0007	0.0008
55 mph	0.0008	0.0011	0.0008	0.0009	0.0008	0.0007	0.0007	0.0008
60 mph	0.0009	0.0011	0.0009	0.0009	0.0009	0.0008	0.0007	0.0009
65 mph	0.0010	0.0013	0.0010	0.0010	0.0010	0.0009		
70 mph	0.0011	0.0014	0.0011	0.0011	0.0010	0.0009		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7600	0.7719	0.0070	0.0096
10 mph	0.0095	0.2380	0.0090	0.0068	0.0254	0.0319	0.0039	0.0106
15 mph	0.0077	0.1728	0.0077	0.0056	0.0192	0.0253	0.0031	0.0082
20 mph	0.0062	0.1322	0.0065	0.0046	0.0159	0.0210	0.0027	0.0058
25 mph	0.0050	0.1059	0.0055	0.0039	0.0132	0.0175	0.0025	0.0061
30 mph	0.0043	0.0889	0.0048	0.0034	0.0116	0.0154	0.0028	0.0067
35 mph	0.0037	0.0782	0.0044	0.0031	0.0106	0.0139	0.0033	0.0081
40 mph	0.0034	0.0717	0.0040	0.0028	0.0098	0.0128	0.0043	0.0104
45 mph	0.0032	0.0684	0.0037	0.0026	0.0093	0.0120	0.0056	0.0135
50 mph	0.0031	0.0685	0.0035	0.0025	0.0090	0.0116	0.0072	0.0174
55 mph	0.0030	0.0718	0.0033	0.0024	0.0088	0.0112	0.0092	0.0228
60 mph	0.0032	0.0784	0.0033	0.0024	0.0090	0.0113	0.0115	0.0281
65 mph	0.0033	0.0903	0.0033	0.0026	0.0100	0.0123		
70 mph	0.0034	0.1073	0.0035	0.0028	0.0155	0.0160		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0409
10 mph								0.0068
15 mph								0.0056
20 mph								0.0048
25 mph								0.0043
30 mph								0.0040
35 mph								0.0038
40 mph								0.0037
45 mph								0.0036
50 mph								0.0037
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0135	0.0013	0.0053	0.0072	0.0032	0.0009	0.0015	0.0000	0.0329
15 mph	0.0036	0.0004	0.0014	0.0019	0.0008	0.0002	0.0003	0.0000	0.0087
20 mph	0.0050	0.0005	0.0020	0.0027	0.0012	0.0003	0.0005	0.0000	0.0122
25 mph	0.0186	0.0018	0.0073	0.0100	0.0044	0.0012	0.0018	0.0000	0.0453
30 mph	0.0160	0.0016	0.0063	0.0085	0.0038	0.0011	0.0013	0.0000	0.0385
35 mph	0.0108	0.0011	0.0042	0.0057	0.0026	0.0007	0.0005	0.0000	0.0255
40 mph	0.0031	0.0003	0.0012	0.0017	0.0007	0.0002	0.0005	0.0000	0.0077
45 mph	0.0024	0.0002	0.0009	0.0013	0.0006	0.0002	0.0003	0.0000	0.0059
50 mph	0.0023	0.0002	0.0009	0.0012	0.0005	0.0002	0.0005	0.0000	0.0059
55 mph	0.0019	0.0002	0.0007	0.0010	0.0004	0.0001	0.0001	0.0000	0.0045
60 mph	0.0040	0.0004	0.0016	0.0021	0.0010	0.0003	0.0001	0.0000	0.0094
65 mph	0.0006	0.0001	0.0002	0.0003	0.0001	0.0000	-	-	0.0013
70 mph	-	-	-	-	-	-	-	-	-
total	0.0818	0.0081	0.0320	0.0436	0.0194	0.0054	0.0074	0.0001	0.1977

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0011	0.0001	0.0004	0.0012	0.0007	0.0002	-	-	0.0038
15 mph	0.0007	0.0001	0.0003	0.0008	0.0005	0.0001	-	-	0.0025
20 mph	0.0005	0.0001	0.0002	0.0006	0.0003	0.0001	0.0008	0.0000	0.0026
25 mph	0.0008	0.0001	0.0003	0.0009	0.0005	0.0001	0.0010	0.0000	0.0037
30 mph	0.0012	0.0001	0.0005	0.0013	0.0007	0.0002	0.0014	0.0000	0.0055
35 mph	0.0022	0.0002	0.0009	0.0025	0.0014	0.0004	0.0011	0.0000	0.0087
40 mph	0.0021	0.0002	0.0008	0.0024	0.0013	0.0004	0.0009	0.0000	0.0082
45 mph	0.0016	0.0002	0.0006	0.0017	0.0010	0.0003	0.0006	0.0000	0.0059
50 mph	0.0017	0.0002	0.0007	0.0019	0.0011	0.0003	0.0003	0.0000	0.0061
55 mph	0.0010	0.0001	0.0004	0.0011	0.0006	0.0002	0.0001	0.0000	0.0034
60 mph	0.0006	0.0001	0.0002	0.0007	0.0004	0.0001	0.0113	0.0001	0.0135
65 mph	0.0002	0.0000	0.0001	0.0003	0.0001	0.0000	-	-	0.0008
70 mph	0.0118	0.0011	0.0045	0.0128	0.0072	0.0020	-	-	0.0394
total	0.0256	0.0025	0.0099	0.0281	0.0158	0.0044	0.0176	0.0001	0.1040

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0032	0.0009	0.0013	0.0000	0.0054
15 mph	0.0237	0.0023	0.0093	0.0028	0.0013	0.0004	0.0005	0.0000	0.0404
25 mph	-	-	-	-	0.0013	0.0004	0.0012	0.0000	0.0029
35 mph	0.0339	0.0034	0.0133	0.0037	-	-	-	-	0.0542
total	0.0577	0.0057	0.0226	0.0065	0.0058	0.0017	0.0031	0.0000	0.1030

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0032	0.0009	0.0013	0.0000	0.0054
10 mph	0.0147	0.0014	0.0057	0.0084	0.0039	0.0011	0.0015	0.0000	0.0366
15 mph	0.0281	0.0028	0.0110	0.0055	0.0026	0.0008	0.0009	0.0000	0.0516
20 mph	0.0056	0.0005	0.0022	0.0033	0.0015	0.0004	0.0013	0.0000	0.0148
25 mph	0.0194	0.0019	0.0076	0.0108	0.0062	0.0018	0.0041	0.0000	0.0519
30 mph	0.0172	0.0017	0.0067	0.0099	0.0045	0.0013	0.0027	0.0000	0.0440
35 mph	0.0469	0.0047	0.0183	0.0119	0.0039	0.0011	0.0016	0.0000	0.0884
40 mph	0.0053	0.0005	0.0021	0.0040	0.0021	0.0006	0.0014	0.0000	0.0159
45 mph	0.0039	0.0004	0.0015	0.0030	0.0015	0.0004	0.0009	0.0000	0.0118
50 mph	0.0040	0.0004	0.0016	0.0031	0.0016	0.0004	0.0008	0.0000	0.0119
55 mph	0.0028	0.0003	0.0011	0.0021	0.0010	0.0003	0.0003	0.0000	0.0079
60 mph	0.0046	0.0005	0.0018	0.0028	0.0014	0.0004	0.0114	0.0001	0.0229
65 mph	0.0008	0.0001	0.0003	0.0006	0.0003	0.0001	-	-	0.0021
70 mph	0.0118	0.0011	0.0045	0.0128	0.0072	0.0020	-	-	0.0394
total	0.1651	0.0163	0.0645	0.0781	0.0410	0.0115	0.0281	0.0002	0.4047

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0003	0.0000	0.0001	0.0003	0.0141	0.0124	0.0072	0.0364	0.0708
15 mph	0.0001	0.0000	0.0000	0.0001	0.0043	0.0040	0.0019	0.0094	0.0197
20 mph	0.0001	0.0000	0.0000	0.0001	0.0071	0.0066	0.0032	0.0133	0.0305
25 mph	0.0006	0.0000	0.0002	0.0006	0.0294	0.0274	0.0170	0.0772	0.1525
30 mph	0.0006	0.0000	0.0002	0.0006	0.0283	0.0264	0.0169	0.0766	0.1496
35 mph	0.0004	0.0000	0.0001	0.0004	0.0211	0.0196	0.0092	0.0417	0.0926
40 mph	0.0001	0.0000	0.0000	0.0001	0.0065	0.0060	0.0131	0.0596	0.0855
45 mph	0.0001	0.0000	0.0000	0.0001	0.0051	0.0047	0.0136	0.0622	0.0859
50 mph	0.0001	0.0000	0.0000	0.0001	0.0050	0.0045	0.0286	0.1297	0.1681
55 mph	0.0001	0.0000	0.0000	0.0001	0.0039	0.0035	0.0084	0.0393	0.0553
60 mph	0.0002	0.0000	0.0000	0.0002	0.0080	0.0071	0.0106	0.0484	0.0744
65 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0010	-	-	0.0021
70 mph	-	-	-	-	-	-	-	-	-
total	0.0027	0.0002	0.0008	0.0027	0.1339	0.1231	0.1298	0.5939	0.9871

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0030	0.0027	-	-	0.0058
15 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0021	-	-	0.0045
20 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0018	0.0058	0.0240	0.0336
25 mph	0.0000	0.0000	0.0000	0.0001	0.0031	0.0029	0.0098	0.0443	0.0602
30 mph	0.0000	0.0000	0.0000	0.0001	0.0055	0.0051	0.0183	0.0828	0.1119
35 mph	0.0001	0.0000	0.0000	0.0002	0.0113	0.0105	0.0221	0.1003	0.1445
40 mph	0.0001	0.0000	0.0000	0.0002	0.0117	0.0107	0.0259	0.1182	0.1668
45 mph	0.0001	0.0000	0.0000	0.0001	0.0088	0.0081	0.0245	0.1122	0.1538
50 mph	0.0001	0.0000	0.0000	0.0002	0.0097	0.0087	0.0159	0.0720	0.1065
55 mph	0.0000	0.0000	0.0000	0.0001	0.0052	0.0047	0.0101	0.0472	0.0674
60 mph	0.0000	0.0000	0.0000	0.0000	0.0032	0.0029	0.8890	4.0731	4.9682
65 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0010	-	-	0.0023
70 mph	0.0004	0.0000	0.0001	0.0009	0.0847	0.0618	-	-	0.1479
total	0.0009	0.0001	0.0003	0.0019	0.1517	0.1231	1.0214	4.6741	5.9735

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0535	0.0382	0.0015	0.0038	0.0969
15 mph	0.0006	0.0000	0.0002	0.0001	0.0068	0.0063	0.0032	0.0158	0.0330
25 mph	-	-	-	-	0.0089	0.0083	0.0114	0.0518	0.0803
35 mph	0.0013	0.0001	0.0004	0.0003	-	-	-	-	0.0021
total	0.0019	0.0001	0.0006	0.0004	0.0691	0.0527	0.0161	0.0714	0.2124

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0535	0.0382	0.0015	0.0038	0.0969
10 mph	0.0003	0.0000	0.0001	0.0003	0.0171	0.0151	0.0072	0.0364	0.0766
15 mph	0.0007	0.0000	0.0002	0.0002	0.0134	0.0123	0.0051	0.0252	0.0572
20 mph	0.0002	0.0000	0.0000	0.0002	0.0090	0.0083	0.0091	0.0373	0.0641
25 mph	0.0006	0.0000	0.0002	0.0007	0.0414	0.0386	0.0382	0.1733	0.2931
30 mph	0.0006	0.0000	0.0002	0.0007	0.0338	0.0316	0.0352	0.1594	0.2615
35 mph	0.0018	0.0001	0.0006	0.0009	0.0325	0.0300	0.0313	0.1420	0.2392
40 mph	0.0002	0.0000	0.0001	0.0003	0.0182	0.0168	0.0390	0.1778	0.2524
45 mph	0.0002	0.0000	0.0001	0.0002	0.0140	0.0128	0.0381	0.1745	0.2397
50 mph	0.0002	0.0000	0.0001	0.0002	0.0147	0.0132	0.0445	0.2017	0.2745
55 mph	0.0001	0.0000	0.0000	0.0002	0.0092	0.0082	0.0185	0.0865	0.1227
60 mph	0.0002	0.0000	0.0001	0.0002	0.0112	0.0099	0.8995	4.1216	5.0427
65 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0020	-	-	0.0044
70 mph	0.0004	0.0000	0.0001	0.0009	0.0847	0.0618	-	-	0.1479
total	0.0055	0.0004	0.0017	0.0050	0.3547	0.2989	1.1673	5.3394	7.1730

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0014	0.0014
15 mph								0.0004	0.0004
20 mph								0.0006	0.0006
25 mph								0.0032	0.0032
30 mph								0.0027	0.0027
35 mph								0.0011	0.0011
40 mph								0.0012	0.0012
45 mph								0.0010	0.0010
50 mph								0.0016	0.0016
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0133	0.0133

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0012	0.0012
25 mph								0.0018	0.0018
30 mph								0.0029	0.0029
35 mph								0.0028	0.0028
40 mph								0.0025	0.0025
45 mph								0.0018	0.0018
50 mph								0.0009	0.0009
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0087	0.0087

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0006	0.0006
25 mph								0.0021	0.0021
35 mph								-	-
total	-	-	-	-	-	-	-	0.0037	0.0037

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0014	0.0014
15 mph								0.0010	0.0010
20 mph								0.0018	0.0018
25 mph								0.0072	0.0072
30 mph								0.0056	0.0056
35 mph								0.0039	0.0039
40 mph								0.0037	0.0037
45 mph								0.0028	0.0028
50 mph								0.0025	0.0025
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0308	0.0308

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0566	0.0391	0.0028	0.0048	0.1033
10 mph	0.0150	0.0014	0.0058	0.0087	0.0210	0.0162	0.0087	0.0378	0.1146
15 mph	0.0288	0.0028	0.0112	0.0058	0.0160	0.0131	0.0060	0.0262	0.1099
20 mph	0.0057	0.0006	0.0022	0.0035	0.0105	0.0087	0.0104	0.0392	0.0807
25 mph	0.0200	0.0020	0.0078	0.0115	0.0476	0.0404	0.0423	0.1805	0.3521
30 mph	0.0178	0.0017	0.0069	0.0105	0.0384	0.0328	0.0379	0.1650	0.3111
35 mph	0.0487	0.0048	0.0189	0.0127	0.0364	0.0311	0.0330	0.1459	0.3316
40 mph	0.0055	0.0005	0.0021	0.0044	0.0203	0.0173	0.0404	0.1815	0.2719
45 mph	0.0041	0.0004	0.0016	0.0032	0.0155	0.0132	0.0390	0.1772	0.2543
50 mph	0.0042	0.0004	0.0016	0.0034	0.0163	0.0137	0.0453	0.2042	0.2890
55 mph	0.0029	0.0003	0.0011	0.0022	0.0102	0.0085	0.0188	0.0865	0.1306
60 mph	0.0048	0.0005	0.0019	0.0030	0.0125	0.0103	0.9109	4.1217	5.0656
65 mph	0.0008	0.0001	0.0003	0.0006	0.0026	0.0021	-	-	0.0065
70 mph	0.0122	0.0012	0.0046	0.0136	0.0919	0.0638	-	-	0.1874
STREX	0.0045	0.0004	0.0017	0.0053	0.0004	0.0001	0.0002	0.0000	0.0128
total	0.1750	0.0171	0.0679	0.0885	0.3961	0.3105	1.1956	5.3704	**7.6212**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0014	0.0018	0.0015	0.0015	0.0003	0.0003	0.0004	0.0006
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0045	0.0004	0.0017	0.0053	0.0004	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0045	0.0004	0.0017	0.0053	0.0004	0.0001	0.0002	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.0400	0.0775	0.3848	0.5149	0.4888	0.1724	0.3510	0.0012
Diesel	0.0108	0.0000	0.0031	0.0137	0.3974	0.3222	1.7987	2.0062
Electric/NG	0.0577	0.0043	0.0213	0.0290	-	-	-	0.1197
Total	1.1084	0.0818	0.4092	0.5576	0.8862	0.4946	2.1497	2.1272

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.4301	0.0321	0.1591	0.4447	0.5241	0.1849	1.2657	0.0045
Diesel	0.0044	0.0000	0.0013	0.0119	0.4260	0.3454	6.4851	7.2334
Electric/NG	0.0238	0.0018	0.0088	0.0251	-	-	-	0.4316
Total	0.4583	0.0338	0.1692	0.4816	0.9501	0.5303	7.7508	7.6695

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.7279	0.0543	0.2693	0.0743	0.0450	0.0159	0.0636	0.0002
Diesel	0.0075	0.0000	0.0021	0.0020	0.0366	0.0297	0.3258	0.3634
Electric/NG	0.0403	0.0030	0.0149	0.0008	-	-	-	0.0217
Total	0.7757	0.0573	0.2864	0.0771	0.0816	0.0456	0.3894	0.3853

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	2.1979	0.1639	0.8133	1.0339	1.0579	0.3732	1.6803	0.0060	7.3263
Diesel	0.0227	0.0001	0.0065	0.0276	0.8600	0.6973	8.6096	9.6030	19.8267
Electric/NG	0.1218	0.0090	0.0450	0.0549	-	-	-	0.5730	0.8037
Total	2.3425	0.1729	0.8647	1.1163	1.9179	1.0705	10.2899	10.1820	**27.9567**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	12.6518
Internal	15.1460
Total	**27.7978**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0436	0.0301	0.0021	0.0037	0.0795
10 mph	0.0096	0.0009	0.0037	0.0056	0.0161	0.0125	0.0067	0.0291	0.0842
15 mph	0.0184	0.0018	0.0072	0.0037	0.0123	0.0101	0.0046	0.0202	0.0783
20 mph	0.0037	0.0004	0.0014	0.0022	0.0081	0.0067	0.0080	0.0302	0.0606
25 mph	0.0128	0.0013	0.0050	0.0073	0.0366	0.0311	0.0326	0.1390	0.2657
30 mph	0.0114	0.0011	0.0044	0.0067	0.0295	0.0253	0.0292	0.1271	0.2347
35 mph	0.0312	0.0031	0.0121	0.0081	0.0280	0.0240	0.0254	0.1124	0.2442
40 mph	0.0035	0.0003	0.0014	0.0028	0.0156	0.0133	0.0311	0.1397	0.2078
45 mph	0.0026	0.0003	0.0010	0.0021	0.0119	0.0102	0.0300	0.1365	0.1946
50 mph	0.0027	0.0003	0.0010	0.0021	0.0125	0.0105	0.0349	0.1573	0.2213
55 mph	0.0019	0.0002	0.0007	0.0014	0.0079	0.0066	0.0145	0.0666	0.0997
60 mph	0.0031	0.0003	0.0012	0.0019	0.0097	0.0079	0.7014	3.1737	3.8992
65 mph	0.0005	0.0001	0.0002	0.0004	0.0020	0.0016	-	-	0.0048
70 mph	0.0078	0.0008	0.0030	0.0087	0.0708	0.0491	-	-	0.1402
total	0.1091	0.0107	0.0423	0.0532	0.3047	0.2390	0.9205	4.1352	5.8147

World Logistics Center
Mobile Emissions - Medium EV 2027 (Net) - Mitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0054	0.0091	0.0075	0.0088	0.0119	0.0134	0.0214	0.2035
15 mph	0.0048	0.0079	0.0065	0.0077	0.0104	0.0117	0.0190	0.1798
20 mph	0.0043	0.0070	0.0059	0.0069	0.0095	0.0106	0.0172	0.1626
25 mph	0.0039	0.0063	0.0053	0.0062	0.0088	0.0097	0.0156	0.1489
30 mph	0.0036	0.0059	0.0049	0.0058	0.0082	0.0090	0.0143	0.1390
35 mph	0.0034	0.0055	0.0046	0.0054	0.0079	0.0085	0.0134	0.1318
40 mph	0.0033	0.0053	0.0044	0.0052	0.0076	0.0082	0.0128	0.1264
45 mph	0.0032	0.0051	0.0043	0.0051	0.0074	0.0080	0.0123	0.1231
50 mph	0.0031	0.0051	0.0042	0.0050	0.0074	0.0079	0.0122	0.1220
55 mph	0.0032	0.0053	0.0043	0.0051	0.0076	0.0080	0.0124	0.1236
60 mph	0.0033	0.0056	0.0045	0.0054	0.0079	0.0083	0.0128	0.1277
65 mph	0.0035	0.0059	0.0047	0.0057	0.0083	0.0087	0.0135	0.1336
70 mph	0.0036	0.0067	0.0050	0.0061	0.0092	0.0089	0.0134	0.1423

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0596	0.1296	0.0803	0.1000	0.1457	0.1630	0.2849	0.4261
15 mph	0.0490	0.1079	0.0666	0.0847	0.0948	0.1081	0.2241	0.3309
20 mph	0.0402	0.0886	0.0547	0.0703	0.0809	0.0923	0.1914	0.2805
25 mph	0.0337	0.0740	0.0459	0.0596	0.0717	0.0823	0.1671	0.2382
30 mph	0.0292	0.0637	0.0397	0.0516	0.0652	0.0743	0.1467	0.2090
35 mph	0.0264	0.0571	0.0358	0.0469	0.0654	0.0744	0.1310	0.1868
40 mph	0.0247	0.0532	0.0334	0.0439	0.0637	0.0718	0.1200	0.1715
45 mph	0.0239	0.0513	0.0322	0.0423	0.0621	0.0691	0.1137	0.1628
50 mph	0.0240	0.0513	0.0323	0.0425	0.0652	0.0717	0.1122	0.1598
55 mph	0.0251	0.0537	0.0337	0.0449	0.0680	0.0741	0.1154	0.1664
60 mph	0.0272	0.0582	0.0365	0.0486	0.0687	0.0743	0.1233	0.1765
65 mph	0.0306	0.0648	0.0410	0.0547	0.0698	0.0748	0.1360	0.1914
70 mph	0.0334	0.0676	0.0438	0.0598	0.0715	0.0766	0.1371	0.1941

*US EPA Emission Factors for Greenhouse Gas Inventories. (Idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.9221
15 mph								0.7738
20 mph								0.6753
25 mph								0.6221
30 mph								0.5880
35 mph								0.5610
40 mph								0.5389
45 mph								0.5204
50 mph								0.5045
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0160	0.0020	0.0081	0.0127	0.0083	0.0029	0.0077	0.0005	0.0581
15 mph	0.0056	0.0007	0.0028	0.0044	0.0029	0.0010	0.0023	0.0001	0.0199
20 mph	0.0101	0.0012	0.0051	0.0080	0.0054	0.0018	0.0041	0.0003	0.0359
25 mph	0.0459	0.0055	0.0230	0.0361	0.0247	0.0083	0.0204	0.0013	0.1653
30 mph	0.0469	0.0056	0.0234	0.0368	0.0255	0.0085	0.0170	0.0011	0.1649
35 mph	0.0362	0.0043	0.0180	0.0285	0.0200	0.0066	0.0072	0.0005	0.1212
40 mph	0.0115	0.0014	0.0057	0.0091	0.0064	0.0021	0.0076	0.0005	0.0444
45 mph	0.0093	0.0011	0.0046	0.0073	0.0052	0.0017	0.0059	0.0004	0.0356
50 mph	0.0092	0.0011	0.0046	0.0073	0.0052	0.0017	0.0095	0.0006	0.0392
55 mph	0.0074	0.0009	0.0037	0.0059	0.0043	0.0014	0.0022	0.0001	0.0260
60 mph	0.0155	0.0019	0.0078	0.0124	0.0088	0.0028	0.0023	0.0002	0.0518
65 mph	0.0020	0.0003	0.0010	0.0016	0.0012	0.0004	-	-	0.0065
70 mph	-	-	-	-	-	-	-	-	-
total	0.2154	0.0262	0.1081	0.1702	0.1179	0.0392	0.0861	0.0056	0.7688

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0013	0.0002	0.0007	0.0022	0.0018	0.0006	-	-	0.0068
15 mph	0.0012	0.0001	0.0006	0.0019	0.0016	0.0005	-	-	0.0059
20 mph	0.0010	0.0001	0.0005	0.0017	0.0014	0.0005	0.0074	0.0005	0.0132
25 mph	0.0019	0.0002	0.0010	0.0031	0.0026	0.0009	0.0117	0.0007	0.0222
30 mph	0.0035	0.0004	0.0018	0.0058	0.0050	0.0017	0.0184	0.0012	0.0378
35 mph	0.0075	0.0009	0.0037	0.0123	0.0107	0.0035	0.0172	0.0011	0.0570
40 mph	0.0079	0.0010	0.0040	0.0131	0.0115	0.0038	0.0151	0.0010	0.0573
45 mph	0.0061	0.0007	0.0031	0.0101	0.0090	0.0029	0.0106	0.0007	0.0433
50 mph	0.0068	0.0008	0.0034	0.0113	0.0101	0.0033	0.0052	0.0003	0.0413
55 mph	0.0038	0.0005	0.0019	0.0064	0.0057	0.0018	0.0027	0.0002	0.0231
60 mph	0.0024	0.0003	0.0012	0.0040	0.0036	0.0011	0.1928	0.0128	0.2183
65 mph	0.0008	0.0001	0.0004	0.0014	0.0012	0.0004	-	-	0.0044
70 mph	0.0404	0.0055	0.0204	0.0701	0.0640	0.0188	-	-	0.2193
total	0.0848	0.0109	0.0427	0.1435	0.1282	0.0399	0.2813	0.0185	0.7498

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0012	0.0004	0.0006	0.0000	0.0021
15 mph	0.0370	0.0045	0.0187	0.0065	0.0047	0.0016	0.0038	0.0002	0.0770
25 mph	-	-	-	-	0.0074	0.0025	0.0137	0.0009	0.0245
35 mph	0.1141	0.0137	0.0569	0.0182	-	-	-	-	0.2029
total	0.1511	0.0183	0.0756	0.0247	0.0133	0.0045	0.0180	0.0011	0.3066

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0012	0.0004	0.0006	0.0000	0.0021
10 mph	0.0173	0.0021	0.0088	0.0149	0.0101	0.0035	0.0077	0.0005	0.0649
15 mph	0.0438	0.0054	0.0222	0.0128	0.0092	0.0031	0.0061	0.0004	0.1029
20 mph	0.0111	0.0014	0.0056	0.0097	0.0068	0.0023	0.0115	0.0007	0.0491
25 mph	0.0478	0.0058	0.0240	0.0393	0.0348	0.0117	0.0458	0.0029	0.2120
30 mph	0.0504	0.0061	0.0252	0.0426	0.0305	0.0102	0.0355	0.0023	0.2027
35 mph	0.1578	0.0190	0.0786	0.0589	0.0307	0.0101	0.0244	0.0016	0.3811
40 mph	0.0194	0.0023	0.0097	0.0221	0.0179	0.0059	0.0228	0.0015	0.1016
45 mph	0.0154	0.0019	0.0077	0.0175	0.0142	0.0046	0.0165	0.0011	0.0789
50 mph	0.0160	0.0020	0.0080	0.0186	0.0153	0.0049	0.0147	0.0010	0.0805
55 mph	0.0113	0.0014	0.0057	0.0123	0.0100	0.0032	0.0049	0.0003	0.0491
60 mph	0.0179	0.0022	0.0090	0.0165	0.0124	0.0040	0.1951	0.0129	0.2700
65 mph	0.0029	0.0004	0.0015	0.0031	0.0024	0.0008	-	-	0.0109
70 mph	0.0404	0.0055	0.0204	0.0701	0.0640	0.0188	-	-	0.2193
total	0.4514	0.0554	0.2264	0.3384	0.2594	0.0835	0.3855	0.0252	1.8251

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0018	0.0000	0.0007	0.0039	0.0810	0.0637	0.5224	1.4695	2.1429
15 mph	0.0006	0.0000	0.0002	0.0013	0.0211	0.0169	0.1370	0.3804	0.5575
20 mph	0.0010	0.0000	0.0004	0.0022	0.0359	0.0289	0.2340	0.6450	0.9473
25 mph	0.0041	0.0000	0.0016	0.0092	0.1594	0.1286	1.1232	3.0118	4.4379
30 mph	0.0039	0.0000	0.0015	0.0088	0.1594	0.1277	0.8963	2.4026	3.6003
35 mph	0.0029	0.0000	0.0011	0.0065	0.1307	0.1047	0.3602	0.9664	1.5726
40 mph	0.0009	0.0000	0.0003	0.0020	0.0424	0.0337	0.3667	0.9856	1.4317
45 mph	0.0007	0.0000	0.0003	0.0016	0.0345	0.0270	0.2780	0.7485	1.0906
50 mph	0.0007	0.0000	0.0003	0.0016	0.0362	0.0280	0.4457	1.1940	1.7066
55 mph	0.0006	0.0000	0.0002	0.0014	0.0302	0.0232	0.1058	0.2870	0.4485
60 mph	0.0013	0.0000	0.0005	0.0030	0.0611	0.0465	0.1131	0.3043	0.5297
65 mph	0.0002	0.0000	0.0001	0.0004	0.0078	0.0058	-	-	0.0143
70 mph	-	-	-	-	-	-	-	-	-
total	0.0187	0.0001	0.0072	0.0420	0.7998	0.6347	4.5824	12.3949	18.4798

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0001	0.0007	0.0174	0.0137	-	-	0.0319
15 mph	0.0001	0.0000	0.0000	0.0006	0.0113	0.0091	-	-	0.0211
20 mph	0.0001	0.0000	0.0000	0.0005	0.0096	0.0077	0.4219	1.1627	1.6026
25 mph	0.0002	0.0000	0.0001	0.0008	0.0171	0.0138	0.6443	1.7276	2.4037
30 mph	0.0003	0.0000	0.0001	0.0014	0.0311	0.0249	0.9695	2.5988	3.6260
35 mph	0.0006	0.0000	0.0002	0.0028	0.0701	0.0561	0.8659	2.3229	3.3186
40 mph	0.0006	0.0000	0.0002	0.0029	0.0758	0.0602	0.7271	1.9544	2.8214
45 mph	0.0005	0.0000	0.0002	0.0023	0.0592	0.0463	0.5011	1.3493	1.9589
50 mph	0.0005	0.0000	0.0002	0.0026	0.0699	0.0541	0.2472	0.6623	1.0368
55 mph	0.0003	0.0000	0.0001	0.0015	0.0405	0.0311	0.1272	0.3449	0.5456
60 mph	0.0002	0.0000	0.0001	0.0010	0.0245	0.0187	9.5129	25.6004	35.1578
65 mph	0.0001	0.0000	0.0000	0.0004	0.0083	0.0063	-	-	0.0151
70 mph	0.0038	0.0000	0.0014	0.0184	0.3919	0.2952	-	-	0.7108
total	0.0075	0.0000	0.0029	0.0357	0.8268	0.6371	14.0171	37.7233	53.2503

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0003	0.0002	0.0010	0.0019	0.0035
15 mph	0.0039	0.0000	0.0015	0.0019	0.0335	0.0268	0.2308	0.6409	0.9394
25 mph	-	-	-	-	0.0481	0.0388	0.7528	2.0186	2.8583
35 mph	0.0091	0.0001	0.0035	0.0042	-	-	-	-	0.0168
total	0.0130	0.0001	0.0050	0.0061	0.0819	0.0659	0.9846	2.6614	3.8180

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0003	0.0002	0.0010	0.0019	0.0035
10 mph	0.0020	0.0000	0.0008	0.0045	0.0983	0.0774	0.5224	1.4695	2.1748
15 mph	0.0046	0.0000	0.0018	0.0038	0.0658	0.0528	0.3678	1.0213	1.5179
20 mph	0.0011	0.0000	0.0004	0.0026	0.0456	0.0366	0.6559	1.8077	2.5499
25 mph	0.0043	0.0000	0.0017	0.0100	0.2246	0.1812	2.5202	6.7579	9.6998
30 mph	0.0042	0.0000	0.0016	0.0102	0.1905	0.1526	1.8658	5.0013	7.2263
35 mph	0.0126	0.0001	0.0049	0.0135	0.2008	0.1609	1.2261	3.2893	4.9081
40 mph	0.0015	0.0000	0.0006	0.0050	0.1183	0.0939	1.0938	2.9400	4.2531
45 mph	0.0012	0.0000	0.0005	0.0039	0.0937	0.0733	0.7791	2.0978	3.0495
50 mph	0.0013	0.0000	0.0005	0.0042	0.1061	0.0821	0.6929	1.8563	2.7434
55 mph	0.0009	0.0000	0.0004	0.0029	0.0708	0.0542	0.2330	0.6319	0.9941
60 mph	0.0015	0.0000	0.0006	0.0040	0.0856	0.0652	9.6260	25.9047	35.6876
65 mph	0.0003	0.0000	0.0001	0.0008	0.0161	0.0121	-	-	0.0293
70 mph	0.0038	0.0000	0.0014	0.0184	0.3919	0.2952	-	-	0.7108
total	0.0392	0.0003	0.0151	0.0837	1.7085	1.3376	19.5840	52.7796	75.5481

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.1868	0.1868
15 mph								0.0522	0.0522
20 mph								0.0912	0.0912
25 mph								0.4620	0.4620
30 mph								0.3970	0.3970
35 mph								0.1704	0.1704
40 mph								0.1819	0.1819
45 mph								0.1405	0.1405
50 mph								0.2214	0.2214
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.9035	1.9035

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.1644	0.1644
25 mph								0.2650	0.2650
30 mph								0.4294	0.4294
35 mph								0.4097	0.4097
40 mph								0.3608	0.3608
45 mph								0.2533	0.2533
50 mph								0.1228	0.1228
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.2685	1.2685

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
15 mph								0.0880	0.0880
25 mph								0.3096	0.3096
35 mph								-	-
total	-	-	-	-	-	-	-	0.3980	0.3980

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
10 mph								0.1868	0.1868
15 mph								0.1403	0.1403
20 mph								0.2556	0.2556
25 mph								1.0367	1.0367
30 mph								0.8264	0.8264
35 mph								0.5802	0.5802
40 mph								0.5427	0.5427
45 mph								0.3939	0.3939
50 mph								0.3442	0.3442
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	4.3069	4.3069

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0015	0.0006	0.0016	0.0022	0.0059
10 mph	0.0192	0.0022	0.0095	0.0195	0.1084	0.0808	0.5301	1.6567	2.4264
15 mph	0.0484	0.0054	0.0240	0.0166	0.0750	0.0559	0.3739	1.1619	1.7611
20 mph	0.0122	0.0014	0.0060	0.0123	0.0524	0.0389	0.6673	2.0640	2.8545
25 mph	0.0520	0.0058	0.0256	0.0493	0.2594	0.1929	2.5660	7.7974	10.9485
30 mph	0.0546	0.0061	0.0268	0.0528	0.2210	0.1628	1.9013	5.8300	8.2554
35 mph	0.1703	0.0191	0.0835	0.0725	0.2315	0.1710	1.2505	3.8710	5.8694
40 mph	0.0210	0.0024	0.0103	0.0271	0.1362	0.0997	1.1166	3.4842	4.8974
45 mph	0.0166	0.0019	0.0082	0.0214	0.1080	0.0779	0.7956	2.4928	3.5223
50 mph	0.0173	0.0020	0.0085	0.0228	0.1214	0.0870	0.7076	2.2015	3.1681
55 mph	0.0122	0.0014	0.0060	0.0152	0.0808	0.0574	0.2379	0.6322	1.0432
60 mph	0.0194	0.0023	0.0096	0.0204	0.0980	0.0691	9.8211	25.9176	35.9576
65 mph	0.0031	0.0004	0.0016	0.0038	0.0185	0.0129	-	-	0.0403
70 mph	0.0443	0.0056	0.0219	0.0885	0.4559	0.3141	-	-	0.9302
STREX	0.0692	0.0057	0.0303	0.0990	0.0479	0.0146	0.0183	0.0000	0.2850
total	0.5598	0.0614	0.2718	0.5212	2.0158	1.4357	19.9878	57.1118	**81.9651**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0219	0.0242	0.0259	0.0280	0.0370	0.0371	0.0293	0.0072
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0692	0.0057	0.0303	0.0990	0.0479	0.0146	0.0183	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0692	0.0057	0.0303	0.0990	0.0479	0.0146	0.0183	0.0000

World Logistics Center
Mobile Emissions - Medium EV 2027 (Net) - Mitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					2.1034	2.1204	3.3585	2.5055
10 mph	0.0066	0.0147	0.0109	0.0133	0.0147	0.0117	0.0256	0.3186
15 mph	0.0044	0.0100	0.0074	0.0089	0.0100	0.0079	0.0171	0.2113
20 mph	0.0031	0.0071	0.0052	0.0063	0.0073	0.0056	0.0122	0.1493
25 mph	0.0023	0.0053	0.0039	0.0047	0.0055	0.0042	0.0089	0.1107
30 mph	0.0018	0.0042	0.0030	0.0037	0.0043	0.0032	0.0068	0.0867
35 mph	0.0015	0.0035	0.0025	0.0030	0.0036	0.0027	0.0056	0.0718
40 mph	0.0013	0.0030	0.0021	0.0026	0.0032	0.0023	0.0049	0.0627
45 mph	0.0012	0.0028	0.0020	0.0024	0.0030	0.0022	0.0044	0.0577
50 mph	0.0011	0.0027	0.0019	0.0023	0.0029	0.0021	0.0043	0.0559
55 mph	0.0011	0.0027	0.0019	0.0024	0.0030	0.0021	0.0044	0.0571
60 mph	0.0012	0.0028	0.0020	0.0025	0.0033	0.0023	0.0047	0.0611
65 mph	0.0013	0.0031	0.0022	0.0027	0.0037	0.0026		
70 mph	0.0014	0.0037	0.0023	0.0030	0.0039	0.0025		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0235	0.1100
10 mph	0.0047	0.0196	0.0090	0.0048	0.0253	0.0254	0.0015	0.0039
15 mph	0.0024	0.0131	0.0044	0.0024	0.0130	0.0130	0.0008	0.0021
20 mph	0.0010	0.0091	0.0017	0.0010	0.0058	0.0058	0.0006	0.0013
25 mph	0.0006	0.0071	0.0011	0.0006	0.0038	0.0037	0.0004	0.0011
30 mph	0.0005	0.0059	0.0008	0.0005	0.0030	0.0029	0.0004	0.0009
35 mph	0.0004	0.0051	0.0006	0.0004	0.0025	0.0024	0.0003	0.0007
40 mph	0.0003	0.0047	0.0005	0.0003	0.0022	0.0021	0.0003	0.0006
45 mph	0.0003	0.0044	0.0004	0.0003	0.0019	0.0019	0.0002	0.0006
50 mph	0.0003	0.0044	0.0004	0.0002	0.0018	0.0017	0.0002	0.0006
55 mph	0.0003	0.0046	0.0003	0.0002	0.0017	0.0017	0.0003	0.0006
60 mph	0.0003	0.0050	0.0003	0.0002	0.0017	0.0017	0.0003	0.0007
65 mph	0.0003	0.0057	0.0003	0.0002	0.0020	0.0019		
70 mph	0.0003	0.0067	0.0003	0.0002	0.0031	0.0027		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.9357
10 mph								11.6623
15 mph								7.9619
20 mph								5.5936
25 mph								4.1070
30 mph								3.0520
35 mph								2.2715
40 mph								1.6949
45 mph								1.2702
50 mph								0.9590
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0193	0.0032	0.0119	0.0193	0.0103	0.0025	0.0092	0.0008	0.0765
15 mph	0.0052	0.0009	0.0032	0.0052	0.0028	0.0007	0.0020	0.0002	0.0201
20 mph	0.0073	0.0012	0.0045	0.0074	0.0041	0.0010	0.0029	0.0002	0.0286
25 mph	0.0268	0.0047	0.0167	0.0273	0.0153	0.0036	0.0117	0.0010	0.1071
30 mph	0.0229	0.0040	0.0143	0.0235	0.0134	0.0031	0.0082	0.0007	0.0900
35 mph	0.0153	0.0027	0.0096	0.0158	0.0092	0.0021	0.0030	0.0003	0.0580
40 mph	0.0044	0.0008	0.0028	0.0046	0.0027	0.0006	0.0029	0.0002	0.0191
45 mph	0.0034	0.0006	0.0021	0.0035	0.0021	0.0005	0.0021	0.0002	0.0145
50 mph	0.0033	0.0006	0.0020	0.0034	0.0021	0.0004	0.0033	0.0003	0.0154
55 mph	0.0027	0.0005	0.0017	0.0027	0.0017	0.0004	0.0008	0.0001	0.0104
60 mph	0.0056	0.0010	0.0035	0.0058	0.0037	0.0008	0.0008	0.0001	0.0212
65 mph	0.0008	0.0001	0.0005	0.0008	0.0005	0.0001	-	-	0.0028
70 mph	-	-	-	-	-	-	-	-	-
total	0.1168	0.0203	0.0728	0.1192	0.0679	0.0156	0.0469	0.0039	0.4636

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0016	0.0003	0.0010	0.0033	0.0022	0.0005	-	-	0.0089
15 mph	0.0011	0.0002	0.0007	0.0022	0.0015	0.0004	-	-	0.0060
20 mph	0.0008	0.0001	0.0005	0.0016	0.0011	0.0003	0.0052	0.0004	0.0099
25 mph	0.0011	0.0002	0.0007	0.0024	0.0016	0.0004	0.0067	0.0006	0.0136
30 mph	0.0017	0.0003	0.0011	0.0037	0.0026	0.0006	0.0088	0.0007	0.0196
35 mph	0.0032	0.0006	0.0020	0.0068	0.0049	0.0011	0.0072	0.0006	0.0264
40 mph	0.0031	0.0005	0.0019	0.0066	0.0049	0.0011	0.0058	0.0005	0.0243
45 mph	0.0022	0.0004	0.0014	0.0048	0.0036	0.0008	0.0038	0.0003	0.0175
50 mph	0.0024	0.0004	0.0015	0.0053	0.0040	0.0009	0.0018	0.0002	0.0165
55 mph	0.0014	0.0002	0.0009	0.0030	0.0023	0.0005	0.0009	0.0001	0.0092
60 mph	0.0009	0.0002	0.0005	0.0019	0.0015	0.0003	0.0710	0.0061	0.0824
65 mph	0.0003	0.0001	0.0002	0.0007	0.0006	0.0001	-	-	0.0019
70 mph	0.0159	0.0031	0.0097	0.0348	0.0273	0.0053	-	-	0.0961
total	0.0356	0.0065	0.0220	0.0770	0.0581	0.0123	0.1114	0.0095	0.3324

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1872	0.0575	0.1385	0.0010	0.3842
15 mph	0.0341	0.0057	0.0210	0.0076	0.0045	0.0011	0.0034	0.0003	0.0777
25 mph	-	-	-	-	0.0046	0.0011	0.0078	0.0006	0.0142
35 mph	0.0483	0.0086	0.0303	0.0101	-	-	-	-	0.0974
total	0.0824	0.0144	0.0514	0.0176	0.1963	0.0597	0.1497	0.0019	0.5735

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1872	0.0575	0.1385	0.0010	0.3842
10 mph	0.0209	0.0035	0.0128	0.0227	0.0126	0.0030	0.0092	0.0008	0.0854
15 mph	0.0403	0.0068	0.0249	0.0150	0.0088	0.0021	0.0055	0.0004	0.1038
20 mph	0.0080	0.0014	0.0050	0.0090	0.0052	0.0012	0.0081	0.0007	0.0385
25 mph	0.0279	0.0049	0.0174	0.0297	0.0216	0.0050	0.0262	0.0022	0.1349
30 mph	0.0246	0.0043	0.0154	0.0272	0.0160	0.0037	0.0170	0.0014	0.1096
35 mph	0.0668	0.0119	0.0419	0.0327	0.0141	0.0032	0.0102	0.0009	0.1817
40 mph	0.0075	0.0013	0.0047	0.0112	0.0076	0.0017	0.0087	0.0007	0.0434
45 mph	0.0056	0.0010	0.0035	0.0083	0.0057	0.0013	0.0059	0.0005	0.0320
50 mph	0.0057	0.0010	0.0036	0.0086	0.0061	0.0013	0.0052	0.0004	0.0319
55 mph	0.0040	0.0007	0.0025	0.0057	0.0040	0.0009	0.0017	0.0001	0.0197
60 mph	0.0065	0.0011	0.0040	0.0076	0.0051	0.0011	0.0719	0.0062	0.1035
65 mph	0.0011	0.0002	0.0007	0.0015	0.0011	0.0002	-	-	0.0048
70 mph	0.0159	0.0031	0.0097	0.0348	0.0273	0.0053	-	-	0.0961
total	0.2348	0.0413	0.1462	0.2138	0.3223	0.0876	0.3080	0.0154	1.3695

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0001	0.0002	0.0141	0.0099	0.0028	0.0133	0.0405
15 mph	0.0000	0.0000	0.0000	0.0000	0.0029	0.0020	0.0005	0.0024	0.0079
20 mph	0.0000	0.0000	0.0000	0.0000	0.0026	0.0018	0.0007	0.0030	0.0082
25 mph	0.0001	0.0000	0.0000	0.0001	0.0084	0.0058	0.0030	0.0137	0.0311
30 mph	0.0001	0.0000	0.0000	0.0001	0.0073	0.0050	0.0022	0.0100	0.0247
35 mph	0.0000	0.0000	0.0000	0.0001	0.0050	0.0034	0.0008	0.0037	0.0131
40 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0010	0.0008	0.0036	0.0068
45 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0007	0.0006	0.0026	0.0050
50 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0009	0.0043	0.0069
55 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0005	0.0002	0.0011	0.0026
60 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0010	0.0003	0.0013	0.0042
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0001	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0004	0.0000	0.0002	0.0005	0.0462	0.0321	0.0128	0.0590	0.1514

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0030	0.0021	-	-	0.0052
15 mph	0.0000	0.0000	0.0000	0.0000	0.0015	0.0011	-	-	0.0027
20 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0013	0.0054	0.0079
25 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0006	0.0017	0.0078	0.0111
30 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0010	0.0024	0.0109	0.0157
35 mph	0.0000	0.0000	0.0000	0.0000	0.0027	0.0018	0.0020	0.0090	0.0155
40 mph	0.0000	0.0000	0.0000	0.0000	0.0026	0.0018	0.0016	0.0071	0.0130
45 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0013	0.0010	0.0047	0.0089
50 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0013	0.0005	0.0024	0.0062
55 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0003	0.0013	0.0033
60 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	0.0235	0.1071	0.1317
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	0.0000	0.0000	0.0000	0.0001	0.0172	0.0105	-	-	0.0278
total	0.0001	0.0000	0.0000	0.0002	0.0357	0.0232	0.0342	0.1557	0.2492

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0104	0.0073	0.0050	0.0437	0.0663
15 mph	0.0002	0.0000	0.0001	0.0001	0.0046	0.0032	0.0009	0.0041	0.0131
25 mph	-	-	-	-	0.0025	0.0018	0.0020	0.0092	0.0155
35 mph	0.0001	0.0000	0.0001	0.0000	-	-	-	-	0.0002
total	0.0003	0.0000	0.0002	0.0001	0.0175	0.0123	0.0078	0.0570	0.0951

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0104	0.0073	0.0050	0.0437	0.0663
10 mph	0.0002	0.0000	0.0001	0.0002	0.0171	0.0121	0.0028	0.0133	0.0457
15 mph	0.0002	0.0000	0.0001	0.0001	0.0090	0.0063	0.0014	0.0065	0.0237
20 mph	0.0000	0.0000	0.0000	0.0000	0.0033	0.0023	0.0020	0.0084	0.0160
25 mph	0.0001	0.0000	0.0000	0.0001	0.0118	0.0082	0.0068	0.0307	0.0577
30 mph	0.0001	0.0000	0.0000	0.0001	0.0087	0.0060	0.0046	0.0209	0.0404
35 mph	0.0002	0.0000	0.0001	0.0001	0.0076	0.0052	0.0028	0.0127	0.0288
40 mph	0.0000	0.0000	0.0000	0.0000	0.0040	0.0027	0.0023	0.0106	0.0198
45 mph	0.0000	0.0000	0.0000	0.0000	0.0029	0.0020	0.0016	0.0074	0.0139
50 mph	0.0000	0.0000	0.0000	0.0000	0.0029	0.0020	0.0015	0.0066	0.0131
55 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0012	0.0005	0.0024	0.0060
60 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0015	0.0238	0.1084	0.1358
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	-	-	0.0008
70 mph	0.0000	0.0000	0.0000	0.0001	0.0172	0.0105	-	-	0.0278
total	0.0009	0.0000	0.0004	0.0009	0.0994	0.0676	0.0549	0.2717	0.4957

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								2.3621	2.3621
15 mph								0.5375	0.5375
20 mph								0.7553	0.7553
25 mph								3.0500	3.0500
30 mph								2.0605	2.0605
35 mph								0.6901	0.6901
40 mph								0.5722	0.5722
45 mph								0.3430	0.3430
50 mph								0.4208	0.4208
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	10.7916	10.7916

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1.3616	1.3616
25 mph								1.7495	1.7495
30 mph								2.2288	2.2288
35 mph								1.6588	1.6588
40 mph								1.1346	1.1346
45 mph								0.6184	0.6184
50 mph								0.2334	0.2334
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	6.9987	6.9987

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0452	0.0452
15 mph								0.9056	0.9056
25 mph								2.0442	2.0442
35 mph								-	-
total	-	-	-	-	-	-	-	2.9950	2.9950

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0452	0.0452
10 mph								2.3621	2.3621
15 mph								1.4432	1.4432
20 mph								2.1169	2.1169
25 mph								6.8437	6.8437
30 mph								4.2893	4.2893
35 mph								2.3489	2.3489
40 mph								1.7067	1.7067
45 mph								0.9614	0.9614
50 mph								0.6543	0.6543
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	22.7716	22.7716

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1976	0.0648	0.1434	0.0899	0.4957
10 mph	0.0211	0.0035	0.0129	0.0229	0.0297	0.0151	0.0119	2.3761	2.4932
15 mph	0.0405	0.0068	0.0250	0.0151	0.0178	0.0084	0.0069	1.4501	1.5706
20 mph	0.0080	0.0014	0.0050	0.0090	0.0084	0.0035	0.0101	2.1260	2.1714
25 mph	0.0280	0.0049	0.0175	0.0298	0.0334	0.0132	0.0330	6.8766	7.0363
30 mph	0.0247	0.0043	0.0155	0.0272	0.0247	0.0097	0.0216	4.3116	4.4393
35 mph	0.0670	0.0119	0.0420	0.0328	0.0218	0.0084	0.0130	2.3625	2.5594
40 mph	0.0075	0.0013	0.0047	0.0112	0.0116	0.0044	0.0110	1.7181	1.7699
45 mph	0.0057	0.0010	0.0035	0.0084	0.0087	0.0032	0.0075	0.9693	1.0073
50 mph	0.0057	0.0010	0.0036	0.0087	0.0090	0.0033	0.0066	0.6614	0.6993
55 mph	0.0040	0.0007	0.0025	0.0057	0.0058	0.0021	0.0023	0.0026	0.0257
60 mph	0.0065	0.0011	0.0040	0.0076	0.0073	0.0026	0.0957	0.1146	0.2394
65 mph	0.0011	0.0002	0.0007	0.0015	0.0015	0.0005	-	-	0.0055
70 mph	0.0159	0.0031	0.0097	0.0349	0.0445	0.0158	-	-	0.1238
STREX	0.1166	0.0117	0.0586	0.2069	0.0243	0.0075	0.0215	0.0000	0.4470
total	0.3523	0.0529	0.2052	0.4216	0.4460	0.1626	0.3845	23.0587	**25.0838**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0369	0.0496	0.0502	0.0586	0.0188	0.0190	0.0344	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1166	0.0117	0.0586	0.2069	0.0243	0.0075	0.0215	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1166	0.0117	0.0586	0.2069	0.0243	0.0075	0.0215	0.0000

World Logistics Center
Mobile Emissions - Medium EV 2027 (Net) - Mitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,367.84	5,099.23	12,962.06	21,670.46
10 mph	453.61	530.25	549.80	678.55	1,436.76	1,653.60	2,971.04	3,527.20
15 mph	370.74	433.27	449.13	553.76	1,173.52	1,349.67	2,430.43	2,894.53
20 mph	308.36	360.39	373.56	460.66	975.71	1,122.38	2,017.91	2,411.71
25 mph	263.65	308.24	319.55	394.40	834.05	959.35	1,726.93	2,063.95
30 mph	233.98	273.64	283.75	350.66	740.42	851.72	1,534.58	1,830.98
35 mph	216.99	253.85	263.28	325.95	686.78	790.16	1,423.78	1,695.18
40 mph	210.27	245.98	255.11	315.92	664.90	765.03	1,377.71	1,639.07
45 mph	211.37	247.14	256.27	317.23	667.34	767.84	1,383.71	1,640.43
50 mph	217.72	254.51	263.84	326.94	687.03	790.13	1,423.28	1,685.64
55 mph	226.20	264.40	274.18	339.94	715.23	822.52	1,479.40	1,752.05
60 mph	233.01	272.67	282.98	351.30	744.13	855.72	1,538.52	1,820.57
65 mph	238.65	279.80	290.51	361.40	766.76	881.31		
70 mph	241.58	284.04	293.18	370.58	778.64	891.47		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,548.37	5,718.68	5,854.92	5,515.58
10 mph	379.15	824.82	510.90	636.14	926.98	1,037.04	1,812.57	2,710.49
15 mph	311.92	686.28	423.77	538.78	602.85	687.62	1,425.98	2,105.00
20 mph	255.86	563.58	348.11	447.53	514.52	587.23	1,217.93	1,784.51
25 mph	214.56	470.79	291.91	379.11	456.32	523.32	1,062.89	1,515.08
30 mph	185.92	405.06	252.42	328.12	414.91	472.54	933.03	1,329.50
35 mph	168.16	363.07	227.76	298.54	415.87	473.58	833.27	1,188.36
40 mph	157.38	338.28	212.55	279.43	405.03	456.88	763.38	1,090.77
45 mph	152.03	326.52	204.94	268.83	395.25	439.37	723.42	1,035.45
50 mph	152.53	326.57	205.17	270.48	414.72	456.01	713.74	1,016.49
55 mph	159.58	341.49	214.47	285.41	432.92	471.49	734.37	1,058.74
60 mph	173.03	370.06	232.36	309.05	436.97	472.87	784.70	1,122.59
65 mph	194.65	412.46	260.92	347.99	443.99	475.62		
70 mph	212.19	430.05	278.53	380.65	454.93	487.23		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,583.59
10 mph								4,523.25
15 mph								3,795.68
20 mph								3,312.83
25 mph								3,051.67
30 mph								2,884.46
35 mph								2,752.14
40 mph								2,643.74
45 mph								2,552.75
50 mph								2,475.00
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	1,328.86	115.83	595.98	984.21	1,010.20	354.44	1,063.18	8.39	5,461.08
15 mph	434.43	37.86	194.74	321.28	330.04	115.72	289.91	2.30	1,726.28
20 mph	722.68	62.98	323.95	534.53	548.82	192.46	481.40	3.83	2,870.65
25 mph	3,089.47	269.34	1,385.54	2,288.25	2,345.71	822.53	2,265.91	18.01	12,484.76
30 mph	3,016.03	263.01	1,353.35	2,237.93	2,290.61	803.27	1,830.48	14.52	11,809.21
35 mph	2,288.47	199.63	1,027.41	1,701.99	1,738.37	609.72	764.24	6.05	8,335.88
40 mph	739.19	64.48	331.84	549.88	560.99	196.78	821.68	6.50	3,271.34
45 mph	619.21	53.99	277.80	460.13	469.21	164.58	660.21	5.20	2,710.33
50 mph	637.81	55.60	286.00	474.21	483.06	169.36	1,103.51	8.69	3,218.23
55 mph	530.12	46.21	237.76	394.45	402.31	141.04	264.70	2.08	2,018.68
60 mph	1,092.18	95.30	490.79	815.27	837.12	293.47	275.28	2.17	3,901.57
65 mph	139.83	12.22	62.98	104.84	107.82	37.78	-	-	465.48
70 mph	-	-	-	-	-	-	-	-	-
total	14,638.27	1,276.44	6,568.13	10,866.99	11,124.25	3,901.16	9,820.49	77.74	58,273.47

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	109.90	9.58	49.29	170.00	216.62	76.00	-	-	631.40
15 mph	89.83	7.83	40.26	138.74	176.93	62.03	-	-	515.62
20 mph	74.71	6.51	33.49	115.41	147.11	51.59	867.85	6.90	1,303.57
25 mph	127.76	11.14	57.30	197.62	251.50	88.19	1,299.74	10.33	2,043.57
30 mph	226.77	19.78	101.75	351.42	446.53	156.59	1,979.94	15.71	3,298.48
35 mph	473.17	41.28	212.43	734.96	931.91	326.86	1,836.98	14.54	4,572.14
40 mph	509.46	44.44	228.71	791.51	1,002.47	351.63	1,629.42	12.89	4,570.52
45 mph	409.70	35.72	183.80	635.83	804.92	282.34	1,190.19	9.38	3,551.87
50 mph	474.75	41.38	212.88	737.20	932.25	326.85	612.11	4.82	3,342.25
55 mph	274.03	23.88	122.90	425.84	539.18	189.03	318.13	2.51	1,895.49
60 mph	169.37	14.78	76.11	264.04	336.58	117.99	23,158.62	182.22	24,319.70
65 mph	57.82	5.06	26.05	90.54	115.60	40.51	-	-	335.58
70 mph	2,692.48	236.06	1,209.06	4,270.79	5,400.22	1,884.83	-	-	15,693.45
total	5,689.74	497.43	2,554.04	8,923.90	11,301.83	3,954.45	32,892.97	259.29	66,073.64

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	388.77	138.36	534.37	8.70	1,070.20
15 mph	2,866.96	249.84	1,285.14	467.61	524.43	183.87	488.43	3.87	6,070.14
25 mph	-	-	-	-	707.88	248.22	1,518.67	12.07	2,486.85
35 mph	7,219.96	629.81	3,241.39	1,088.24	-	-	-	-	12,179.39
total	10,086.92	879.65	4,526.53	1,555.85	1,621.08	570.46	2,541.47	24.63	21,806.57

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	388.77	138.36	534.37	8.70	1,070.20
10 mph	1,438.76	125.41	645.27	1,154.21	1,226.82	430.45	1,063.18	8.39	6,092.49
15 mph	3,391.22	295.53	1,520.14	927.63	1,031.40	361.63	778.33	6.16	8,312.04
20 mph	797.40	69.49	357.44	649.94	695.93	244.05	1,349.25	10.72	4,174.22
25 mph	3,217.23	280.47	1,442.83	2,485.88	3,305.09	1,158.94	5,084.32	40.40	17,015.17
30 mph	3,242.80	282.79	1,455.10	2,589.35	2,737.14	959.86	3,810.42	30.23	15,107.69
35 mph	9,981.60	870.71	4,481.23	3,525.20	2,670.28	936.58	2,601.22	20.59	25,087.41
40 mph	1,248.64	108.92	560.55	1,341.39	1,563.46	548.41	2,451.10	19.39	7,841.86
45 mph	1,028.90	89.71	461.60	1,095.96	1,274.13	446.92	1,850.40	14.59	6,262.20
50 mph	1,112.56	96.98	498.88	1,211.41	1,415.31	496.21	1,715.63	13.51	6,560.49
55 mph	804.15	70.09	360.67	820.29	941.49	330.07	582.82	4.59	3,914.17
60 mph	1,261.54	110.08	566.90	1,079.30	1,173.70	411.46	23,433.89	184.38	28,221.26
65 mph	197.65	17.28	89.03	195.38	223.43	78.29	-	-	801.05
70 mph	2,692.48	236.06	1,209.06	4,270.79	5,400.22	1,884.83	-	-	15,693.45
total	30,414.93	2,653.51	13,648.69	21,346.73	24,047.16	8,426.07	45,254.93	361.66	146,153.68

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	11.49	0.08	4.42	24.59	515.02	405.28	3,323.35	9,348.58	13,632.80
15 mph	3.78	0.03	1.47	8.33	133.97	107.49	871.51	2,420.08	3,546.65
20 mph	6.20	0.04	2.41	13.84	228.69	183.59	1,488.71	4,103.22	6,026.70
25 mph	26.00	0.17	10.10	58.62	1,014.11	818.07	7,145.60	19,160.44	28,233.11
30 mph	24.78	0.16	9.61	55.81	1,014.29	812.56	5,702.33	15,284.98	22,904.52
35 mph	18.34	0.12	7.09	41.55	831.79	666.29	2,291.71	6,148.06	10,004.94
40 mph	5.72	0.04	2.21	12.96	270.04	214.26	2,332.77	6,270.18	9,108.18
45 mph	4.61	0.03	1.77	10.39	219.60	171.71	1,768.52	4,761.73	6,938.35
50 mph	4.62	0.03	1.77	10.46	230.41	178.21	2,835.37	7,596.12	10,857.00
55 mph	3.87	0.03	1.48	8.83	192.42	147.41	673.23	1,825.81	2,853.08
60 mph	8.39	0.05	3.22	19.12	388.44	295.68	719.38	1,935.93	3,370.20
65 mph	1.18	0.01	0.45	2.69	49.34	37.18	-	-	90.84
70 mph	-	-	-	-	-	-	-	-	-
total	118.97	0.79	45.99	267.19	5,088.11	4,037.73	29,152.47	78,855.13	117,566.38

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.95	0.01	0.37	4.25	110.44	86.91	-	-	202.91
15 mph	0.78	0.01	0.30	3.60	71.82	57.62	-	-	134.13
20 mph	0.64	0.00	0.25	2.99	61.30	49.21	2,683.78	7,397.09	10,195.26
25 mph	1.08	0.01	0.42	5.06	108.73	87.71	4,098.74	10,990.49	15,292.24
30 mph	1.86	0.01	0.72	8.76	197.73	158.40	6,167.93	16,533.03	23,068.45
35 mph	3.79	0.02	1.47	17.94	445.91	357.19	5,508.51	14,777.91	21,112.74
40 mph	3.94	0.03	1.52	18.66	482.54	382.88	4,625.95	12,433.95	17,949.47
45 mph	3.05	0.02	1.17	14.36	376.71	294.56	3,188.20	8,584.22	12,462.30
50 mph	3.44	0.02	1.32	16.25	444.67	343.93	1,572.76	4,213.52	6,595.93
55 mph	2.00	0.01	0.77	9.53	257.89	197.56	809.11	2,194.33	3,471.20
60 mph	1.30	0.01	0.50	6.19	156.18	118.88	60,520.05	162,866.93	223,670.03
65 mph	0.49	0.00	0.19	2.32	52.90	39.86	-	-	95.75
70 mph	24.46	0.15	9.16	116.92	2,493.18	1,878.22	-	-	4,522.09
total	47.78	0.30	18.15	226.84	5,259.99	4,052.94	89,175.03	239,991.47	338,772.50

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	249.57	282.92	1,236.72	2,191.58	3,960.79
15 mph	24.94	0.17	9.67	12.13	212.88	170.80	1,468.29	4,077.27	5,976.16
25 mph	-	-	-	-	306.03	246.87	4,789.17	12,841.83	18,183.91
35 mph	57.86	0.38	22.37	26.57	-	-	-	-	107.18
total	82.80	0.55	32.05	38.69	768.48	700.59	7,494.18	19,110.69	28,228.04

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	249.57	282.92	1,236.72	2,191.58	3,960.79
10 mph	12.44	0.08	4.78	28.84	625.45	492.19	3,323.35	9,348.58	13,835.71
15 mph	29.51	0.20	11.44	24.05	418.68	335.91	2,339.80	6,497.35	9,656.94
20 mph	6.84	0.05	2.66	16.83	289.99	232.81	4,172.49	11,500.31	16,221.96
25 mph	27.08	0.18	10.52	63.68	1,428.87	1,152.65	16,033.51	42,992.77	61,709.26
30 mph	26.65	0.18	10.33	64.58	1,212.02	970.96	11,870.26	31,818.01	45,972.97
35 mph	79.99	0.53	30.93	86.05	1,277.70	1,023.48	7,800.21	20,925.97	31,224.86
40 mph	9.66	0.06	3.73	31.62	752.58	597.14	6,958.71	18,704.13	27,057.64
45 mph	7.65	0.05	2.95	24.75	596.31	466.27	4,956.72	13,345.95	19,400.65
50 mph	8.06	0.05	3.10	26.71	675.08	522.14	4,408.14	11,809.64	17,452.93
55 mph	5.87	0.04	2.25	18.36	450.31	344.97	1,482.35	4,020.14	6,324.28
60 mph	9.69	0.06	3.71	25.31	544.62	414.56	61,239.42	164,802.86	227,040.23
65 mph	1.67	0.01	0.64	5.01	102.23	77.03	-	-	186.59
70 mph	24.46	0.15	9.16	116.92	2,493.18	1,878.22	-	-	4,522.09
total	249.55	1.64	96.20	532.72	11,116.58	8,791.27	125,821.68	337,957.29	484,566.92

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								916.14	916.14
15 mph								256.26	256.26
20 mph								447.32	447.32
25 mph								2,266.31	2,266.31
30 mph								1,947.39	1,947.39
35 mph								836.13	836.13
40 mph								892.44	892.44
45 mph								689.38	689.38
50 mph								1,086.12	1,086.12
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	9,337.47	9,337.47

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								806.41	806.41
25 mph								1,299.96	1,299.96
30 mph								2,106.40	2,106.40
35 mph								2,009.77	2,009.77
40 mph								1,769.72	1,769.72
45 mph								1,242.78	1,242.78
50 mph								602.46	602.46
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	6,222.54	6,222.54

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								130.28	130.28
15 mph								431.74	431.74
25 mph								1,518.94	1,518.94
35 mph								-	-
total	-	-	-	-	-	-	-	2,080.96	2,080.96

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								130.28	130.28
10 mph								916.14	916.14
15 mph								688.00	688.00
20 mph								1,253.73	1,253.73
25 mph								5,085.21	5,085.21
30 mph								4,053.80	4,053.80
35 mph								2,845.89	2,845.89
40 mph								2,662.16	2,662.16
45 mph								1,932.15	1,932.15
50 mph								1,688.58	1,688.58
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	21,255.94	21,255.94

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	638.34	421.29	1,771.08	2,330.56	5,161.27
10 mph	1,451.20	125.49	650.06	1,183.05	1,852.27	922.64	4,386.52	10,273.11	20,844.34
15 mph	3,420.72	295.72	1,531.59	951.68	1,450.08	697.54	3,118.13	7,191.51	18,656.97
20 mph	804.24	69.54	360.09	666.77	985.91	476.85	5,521.74	12,764.75	21,649.90
25 mph	3,244.30	280.65	1,453.35	2,549.56	4,733.96	2,311.59	21,117.84	48,118.38	83,809.64
30 mph	3,269.44	282.97	1,465.43	2,653.93	3,949.16	1,930.82	15,680.68	35,902.04	65,134.46
35 mph	10,061.59	871.23	4,512.16	3,611.25	3,947.98	1,960.06	10,401.43	23,792.45	59,158.16
40 mph	1,258.31	108.98	564.28	1,373.01	2,316.04	1,145.55	9,409.81	21,385.68	37,561.66
45 mph	1,036.56	89.76	464.54	1,120.71	1,870.43	913.20	6,807.12	15,292.69	27,595.00
50 mph	1,120.62	97.03	501.97	1,238.12	2,090.40	1,018.35	6,123.76	13,511.74	25,702.00
55 mph	810.01	70.13	362.92	838.65	1,391.80	675.04	2,065.17	4,024.73	10,238.45
60 mph	1,271.23	110.14	570.61	1,104.61	1,718.32	826.03	84,673.32	164,987.24	255,261.50
65 mph	199.32	17.29	89.67	200.40	325.66	155.32	-	-	987.65
70 mph	2,716.94	236.21	1,218.23	4,387.71	7,893.39	3,763.06	-	-	20,215.54
STREX	153.00	13.40	70.29	263.40	23.24	8.07	22.25	0.18	553.84
total	30,817.47	2,668.55	13,815.17	22,142.86	35,186.99	17,225.41	171,098.86	359,575.07	**652,530.38**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	48.49	56.96	60.19	74.58	17.97	20.47	35.57	43.71
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	153.00	13.40	70.29	263.40	23.24	8.07	22.25	0.18
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	153.00	13.40	70.29	263.40	23.24	8.07	22.25	0.18

World Logistics Center
Mobile Emissions - Medium EV 2028 (Net) - Mitigated

Pounds per day

PM2.5 Exhaust	Dust	Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
8.27	31.65	31.61	71.53	6.30	87.45	27.60	712,765.74

Tons per year

PM2.5 Exhaust	Dust	Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
1.51	5.78	5.77	13.05	1.15	15.96	5.04	130,079.75

World Logistics Center
Mobile Emissions - Medium EV 2028 (Net) - Mitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	1,849.57	19.13	102.54	64,185.14	663.75	3,558.24
LDT1	137.92	0.06	7.57	4,786.11	2.02	262.53
LDT2	684.38	5.46	37.86	23,749.94	189.49	1,313.83
MDT	1,714.91	45.71	96.61	26,255.24	699.76	1,479.17
LHDT1	627.70	496.00	-	14,258.27	11,266.74	-
LHDT2	191.36	348.90	-	4,346.71	7,925.19	-
MHDT	305.23	1,563.91	-	13,471.29	69,022.81	-
HHDT	2.07	2,937.28	177.36	91.32	129,635.65	7,827.74

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	45,407.77	469.57	2,517.27	18,777.37	194.18	1,040.96
LDT1	3,385.93	1.43	185.73	1,400.18	0.59	76.80
LDT2	16,801.89	134.06	929.47	6,948.05	55.44	384.36
MDT	14,088.09	375.48	793.69	12,167.16	324.28	685.47
LHDT1	6,880.83	5,437.16	-	7,377.44	5,829.58	-
LHDT2	2,097.66	3,824.58	-	2,249.05	4,100.61	-
MHDT	2,925.04	14,987.02	-	10,546.25	54,035.79	-
HHDT	19.83	28,147.97	1,699.65	71.49	101,487.68	6,128.09

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	2,270.39	169.30	840.09	704.40	344.04	104.88	175.50	1.19	4,609.80
15 mph	908.16	67.72	336.04	281.76	137.62	41.95	58.50	0.40	1,832.14
20 mph	1,816.31	135.44	672.08	563.52	275.23	83.91	117.00	0.79	3,664.28
25 mph	9,081.55	677.19	3,360.38	2,817.62	1,376.17	419.53	643.51	4.36	18,380.30
30 mph	9,989.71	744.90	3,696.42	3,099.38	1,513.78	461.48	585.01	3.97	20,094.65
35 mph	8,173.40	609.47	3,024.34	2,535.86	1,238.55	377.58	263.25	1.78	16,224.23
40 mph	2,724.47	203.16	1,008.11	845.29	412.85	125.86	292.50	1.98	5,614.22
45 mph	2,270.39	169.30	840.09	704.40	344.04	104.88	234.00	1.59	4,668.70
50 mph	2,270.39	169.30	840.09	704.40	344.04	104.88	380.26	2.58	4,815.94
55 mph	1,816.31	135.44	672.08	563.52	275.23	83.91	87.75	0.59	3,634.83
60 mph	3,632.62	270.87	1,344.15	1,127.05	550.47	167.81	87.75	0.59	7,181.32
65 mph	454.08	33.86	168.02	140.88	68.81	20.98	-	-	886.62
70 mph	-	-	-	-	-	-	-	-	-
total	45,407.77	3,385.93	16,801.89	14,088.09	6,880.83	2,097.66	2,925.04	19.83	91,607.03

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	187.77	14.00	69.48	121.67	73.77	22.49	-	-	489.19
15 mph	187.77	14.00	69.48	121.67	73.77	22.49	-	-	489.19
20 mph	187.77	14.00	69.48	121.67	73.77	22.49	210.92	1.43	701.55
25 mph	375.55	28.00	138.96	243.34	147.55	44.98	369.12	2.50	1,350.01
30 mph	751.09	56.01	277.92	486.69	295.10	89.96	632.77	4.29	2,593.83
35 mph	1,689.96	126.02	625.32	1,095.04	663.97	202.41	632.77	4.29	5,039.80
40 mph	1,877.74	140.02	694.81	1,216.72	737.74	224.91	580.04	3.93	5,475.90
45 mph	1,502.19	112.01	555.84	973.37	590.20	179.92	421.85	2.86	4,338.25
50 mph	1,689.96	126.02	625.32	1,095.04	663.97	202.41	210.92	1.43	4,615.09
55 mph	938.87	70.01	347.40	608.36	368.87	112.45	105.46	0.71	2,552.14
60 mph	563.32	42.01	208.44	365.01	221.32	67.47	7,382.37	50.05	8,900.00
65 mph	187.77	14.00	69.48	121.67	73.77	22.49	-	-	489.19
70 mph	8,637.59	644.08	3,196.10	5,596.89	3,393.62	1,034.56	-	-	22,502.85
total	18,777.37	1,400.18	6,948.05	12,167.16	7,377.44	2,249.05	10,546.25	71.49	59,536.99

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	43.18	13.16	20.00	0.20	76.54
15 mph	3,751.48	279.74	1,388.13	409.65	216.79	66.09	97.49	0.66	6,210.04
25 mph	-	-	-	-	411.73	125.52	426.62	2.89	966.76
35 mph	16,141.25	1,203.61	5,972.62	1,619.67	-	-	-	-	24,937.15
total	19,892.73	1,483.35	7,360.76	2,029.32	628.53	191.61	524.11	3.55	32,113.95

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	43.18	13.16	20.00	0.20	76.54
10 mph	2,458.16	183.30	909.58	826.08	417.82	127.37	175.50	1.19	5,098.99
15 mph	4,847.41	361.46	1,793.65	813.08	428.18	130.53	155.99	1.06	8,531.37
20 mph	2,004.08	149.44	741.56	685.19	349.01	106.40	327.93	2.22	4,365.83
25 mph	9,457.10	705.19	3,499.34	3,060.96	1,935.45	590.03	1,439.25	9.76	20,697.07
30 mph	10,740.80	800.91	3,974.34	3,586.07	1,808.88	551.45	1,217.78	8.26	22,688.48
35 mph	26,004.61	1,939.09	9,622.29	5,250.57	1,902.52	579.99	896.03	6.07	46,201.17
40 mph	4,602.20	343.17	1,702.92	2,062.00	1,150.59	350.76	872.55	5.92	11,090.12
45 mph	3,772.58	281.31	1,395.94	1,677.78	934.24	284.81	655.85	4.45	9,006.95
50 mph	3,960.35	295.31	1,465.42	1,799.45	1,008.01	307.30	591.18	4.01	9,431.03
55 mph	2,755.18	205.45	1,019.48	1,171.88	644.11	196.36	193.21	1.31	6,186.97
60 mph	4,195.94	312.88	1,552.59	1,492.06	771.79	235.28	7,470.12	50.64	16,081.32
65 mph	641.85	47.86	237.50	262.55	142.58	43.47	-	-	1,375.81
70 mph	8,637.59	644.08	3,196.10	5,596.89	3,393.62	1,034.56	-	-	22,502.85
total	84,077.87	6,269.45	31,110.70	28,284.56	14,886.80	4,538.32	13,995.40	94.88	183,257.98

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	23.48	0.07	6.70	18.77	271.86	191.23	899.22	1,688.88	3,100.21
15 mph	9.39	0.03	2.68	7.51	108.74	76.49	299.74	562.96	1,067.55
20 mph	18.78	0.06	5.36	15.02	217.49	152.98	599.48	1,125.92	2,135.09
25 mph	93.91	0.29	26.81	75.10	1,087.43	764.92	3,297.14	6,192.55	11,538.15
30 mph	103.31	0.31	29.49	82.61	1,196.18	841.41	2,997.40	5,629.59	10,880.30
35 mph	84.52	0.26	24.13	67.59	978.69	688.42	1,348.83	2,533.32	5,725.76
40 mph	28.17	0.09	8.04	22.53	326.23	229.47	1,498.70	2,814.80	4,928.04
45 mph	23.48	0.07	6.70	18.77	271.86	191.23	1,198.96	2,251.84	3,962.91
50 mph	23.48	0.07	6.70	18.77	271.86	191.23	1,948.31	3,659.24	6,119.66
55 mph	18.78	0.06	5.36	15.02	217.49	152.98	449.61	844.44	1,703.74
60 mph	37.57	0.11	10.72	30.04	434.97	305.97	449.61	844.44	2,113.43
65 mph	4.70	0.01	1.34	3.75	54.37	38.25	-	-	102.42
70 mph	-	-	-	-	-	-	-	-	-
total	469.57	1.43	134.06	375.48	5,437.16	3,824.58	14,987.02	28,147.97	53,377.26

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	1.94	0.01	0.55	3.24	58.30	41.01	-	-	105.05
15 mph	1.94	0.01	0.55	3.24	58.30	41.01	-	-	105.05
20 mph	1.94	0.01	0.55	3.24	58.30	41.01	1,080.72	2,029.75	3,215.52
25 mph	3.88	0.01	1.11	6.49	116.59	82.01	1,891.25	3,552.07	5,653.42
30 mph	7.77	0.02	2.22	12.97	233.18	164.02	3,242.15	6,089.26	9,751.60
35 mph	17.48	0.05	4.99	29.19	524.66	369.06	3,242.15	6,089.26	10,276.83
40 mph	19.42	0.06	5.54	32.43	582.96	410.06	2,971.97	5,581.82	9,604.26
45 mph	15.53	0.05	4.43	25.94	466.37	328.05	2,161.43	4,059.51	7,061.31
50 mph	17.48	0.05	4.99	29.19	524.66	369.06	1,080.72	2,029.75	4,055.89
55 mph	9.71	0.03	2.77	16.21	291.48	205.03	540.36	1,014.88	2,080.47
60 mph	5.83	0.02	1.66	9.73	174.89	123.02	37,825.05	71,041.38	109,181.57
65 mph	1.94	0.01	0.55	3.24	58.30	41.01	-	-	105.05
70 mph	89.32	0.27	25.50	149.17	2,681.61	1,886.28	-	-	4,832.15
total	194.18	0.59	55.44	324.28	5,829.58	4,100.61	54,035.79	101,487.68	166,028.15

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	34.12	24.00	102.47	192.46	353.05
15 mph	38.79	0.12	11.08	10.92	171.31	120.50	499.52	938.17	1,790.40
25 mph	-	-	-	-	325.35	228.85	2,185.86	4,105.39	6,845.46
35 mph	166.92	0.51	47.65	43.17	-	-	-	-	258.25
total	205.71	0.63	58.73	54.09	496.66	349.36	2,685.38	5,043.56	8,894.11

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	34.12	24.00	102.47	192.46	353.05
10 mph	25.42	0.08	7.26	22.02	330.15	232.24	899.22	1,688.88	3,205.26
15 mph	50.13	0.15	14.31	21.67	338.35	238.00	799.26	1,501.13	2,962.99
20 mph	20.72	0.06	5.92	18.26	275.78	193.99	1,680.20	3,155.67	5,350.61
25 mph	97.80	0.30	27.92	81.58	1,529.37	1,075.78	7,374.26	13,850.01	24,037.03
30 mph	111.07	0.34	31.71	95.58	1,429.36	1,005.43	6,239.55	11,718.85	20,631.89
35 mph	268.92	0.82	76.77	139.94	1,503.35	1,057.48	4,590.98	8,622.58	16,260.84
40 mph	47.59	0.14	13.59	54.96	909.19	639.54	4,470.67	8,396.62	14,532.29
45 mph	39.01	0.12	11.14	44.72	738.22	519.28	3,360.39	6,311.34	11,024.23
50 mph	40.95	0.12	11.69	47.96	796.52	560.28	3,029.03	5,688.99	10,175.55
55 mph	28.49	0.09	8.13	31.23	508.97	358.01	989.97	1,859.32	3,784.21
60 mph	43.39	0.13	12.39	39.77	609.86	428.98	38,274.67	71,885.82	111,295.00
65 mph	6.64	0.02	1.89	7.00	112.67	79.25	-	-	207.47
70 mph	89.32	0.27	25.50	149.17	2,681.61	1,886.28	-	-	4,832.15
total	869.46	2.65	248.22	753.85	11,763.40	8,274.55	71,708.19	134,679.21	228,299.52

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	125.86	9.29	46.47	39.68	-	-	-	101.98	323.29
15 mph	50.35	3.71	18.59	15.87	-	-	-	33.99	122.52
20 mph	100.69	7.43	37.18	31.75	-	-	-	67.99	245.03
25 mph	503.45	37.15	185.89	158.74	-	-	-	373.92	1,259.15
30 mph	553.80	40.86	204.48	174.61	-	-	-	339.93	1,313.69
35 mph	453.11	33.43	167.30	142.87	-	-	-	152.97	949.68
40 mph	151.04	11.14	55.77	47.62	-	-	-	169.96	435.53
45 mph	125.86	9.29	46.47	39.68	-	-	-	135.97	357.28
50 mph	125.86	9.29	46.47	39.68	-	-	-	220.95	442.26
55 mph	100.69	7.43	37.18	31.75	-	-	-	50.99	228.04
60 mph	201.38	14.86	74.36	63.50	-	-	-	50.99	405.08
65 mph	25.17	1.86	9.29	7.94	-	-	-	-	44.26
70 mph	-	-	-	-	-	-	-	-	-
total	2,517.27	185.73	929.47	793.69	-	-	-	1,699.65	6,125.81

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	10.41	0.77	3.84	6.85	-	-	-	-	21.88
15 mph	10.41	0.77	3.84	6.85	-	-	-	-	21.88
20 mph	10.41	0.77	3.84	6.85	-	-	-	122.56	144.44
25 mph	20.82	1.54	7.69	13.71	-	-	-	214.48	258.24
30 mph	41.64	3.07	15.37	27.42	-	-	-	367.69	455.19
35 mph	93.69	6.91	34.59	61.69	-	-	-	367.69	564.57
40 mph	104.10	7.68	38.44	68.55	-	-	-	337.04	555.80
45 mph	83.28	6.14	30.75	54.84	-	-	-	245.12	420.13
50 mph	93.69	6.91	34.59	61.69	-	-	-	122.56	319.45
55 mph	52.05	3.84	19.22	34.27	-	-	-	61.28	170.66
60 mph	31.23	2.30	11.53	20.56	-	-	-	4,289.66	4,355.29
65 mph	10.41	0.77	3.84	6.85	-	-	-	-	21.88
70 mph	478.84	35.33	176.81	315.32	-	-	-	-	1,006.30
total	1,040.96	76.80	384.36	685.47	-	-	-	6,128.09	8,315.69

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	11.62	11.62
15 mph	207.97	15.34	76.79	23.08	-	-	-	56.65	379.83
25 mph	-	-	-	-	-	-	-	247.89	247.89
35 mph	894.82	66.02	330.40	-	-	-	-	-	1,291.25
total	1,102.80	81.36	407.19	23.08	-	-	-	304.54	1,918.97

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	11.62	11.62
10 mph	136.27	10.05	50.32	46.54	-	-	-	101.98	345.16
15 mph	268.73	19.83	99.22	45.81	-	-	-	90.64	524.23
20 mph	111.10	8.20	41.02	38.60	-	-	-	190.55	389.47
25 mph	524.27	38.68	193.58	172.45	-	-	-	836.30	1,765.28
30 mph	595.44	43.93	219.86	202.03	-	-	-	707.61	1,768.87
35 mph	1,441.62	106.36	532.30	204.56	-	-	-	520.65	2,805.49
40 mph	255.13	18.82	94.20	116.17	-	-	-	507.01	991.34
45 mph	209.14	15.43	77.22	94.52	-	-	-	381.10	777.41
50 mph	219.55	16.20	81.07	101.38	-	-	-	343.52	761.71
55 mph	152.74	11.27	56.40	66.02	-	-	-	112.27	398.70
60 mph	232.61	17.16	85.89	84.06	-	-	-	4,340.65	4,760.37
65 mph	35.58	2.63	13.14	14.79	-	-	-	-	66.14
70 mph	478.84	35.33	176.81	315.32	-	-	-	-	1,006.30
total	3,077.43	227.06	1,136.30	709.99	-	-	-	2,447.74	16,360.47

World Logistics Center
Mobile Emissions - Medium EV 2028 (Net) - Mitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	18854	330	0.21	3959.3	3713.8	38.4	205.9
	LDT1	15	1391	330	0.21	292.1	276.9	0.1	15.2
	LDT2	15	6962	330	0.21	1461.9	1374.2	11.0	76.0
	MDT	15	2097	330	0.21	440.5	406.6	10.8	22.9
	LHDT1	15	1843	330	0.21	387.0	216.2	170.8	0.0
	LHDT2	15	886	330	0.21	186.1	65.9	120.2	0.0
	MHDT	15	2821	330	0.21	592.4	96.7	495.7	0.0
	HHDT	15	4704	330	0.21	987.9	0.7	931.0	56.2
Travel at Light Logistics	LDA	15	135	175	0.11	14.9	14.0	0.1	0.8
	LDT1	15	10	175	0.11	1.1	1.0	0.0	0.1
	LDT2	15	50	175	0.11	5.5	5.2	0.0	0.3
	MDT	15	13	175	0.11	1.4	1.3	0.0	0.1
	LHDT1	15	7	175	0.11	0.8	0.5	0.4	0.0
	LHDT2	15	4	175	0.11	0.4	0.1	0.3	0.0
	MHDT	15	9	175	0.11	1.0	0.2	0.8	0.0
	HHDT	15	15	175	0.11	1.7	0.0	1.6	0.1
Travel at Utility	LDA	15	153	100	0.06	9.2	8.6	0.1	0.5
	LDT1	15	11	100	0.06	0.7	0.6	0.0	0.0
	LDT2	15	57	100	0.06	3.4	3.2	0.0	0.2
	MDT	15	33	100	0.06	2.0	1.8	0.0	0.1
	LHDT1	15	5	100	0.06	0.3	0.2	0.1	0.0
	LHDT2	15	2	100	0.06	0.1	0.1	0.1	0.0
	MHDT	15	9	100	0.06	0.6	0.1	0.5	0.0
	HHDT	15	16	100	0.06	1.0	0.0	0.9	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	99	50	0.03	3.0	0.5	2.5	0.0
	HHDT	15	166	50	0.03	5.0	0.0	4.7	0.3
Travel at Convenience Store	LDA	15	468	50	0.03	14.0	13.2	0.1	0.7
	LDT1	15	35	50	0.03	1.0	1.0	0.0	0.1
	LDT2	15	173	50	0.03	5.2	4.9	0.0	0.3
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	66	50	0.03	2.0	1.9	0.0	0.1
	LDT1	15	5	50	0.03	0.1	0.1	0.0	0.0
	LDT2	15	25	50	0.03	0.7	0.7	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	3751.5	279.7	1388.1	409.6	216.8	66.1	97.5	0.7
Diesel	38.8	0.1	11.1	10.9	171.3	120.5	499.5	938.2
Electric/Natural Gas (HHDT Only)	208.0	15.3	76.8	23.1	0.0	0.0	0.0	56.6

World Logistics Center
Mobile Emissions - Medium EV 2028 (Net) - Mitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	921	515	407	0	2573.5	2033.5	0.0
	LHDT2	5	443	157	286	0	784.5	1430.4	0.0
	MHDT	5	1411	230	1180	0	1151.8	5901.2	0.0
	HHDT	5	2352	2	2217	134	7.8	11083.4	669.2
Travel at Light Logistics	LHDT1	5	4	2	2	0	10.3	8.2	0.0
	LHDT2	5	2	1	1	0	3.1	5.7	0.0
	MHDT	5	5	1	4	0	3.7	19.1	0.0
	HHDT	5	8	0	7	0	0.0	35.8	2.2
Travel at Utility	LHDT1	5	2	1	1	0	7.0	5.5	0.0
	LHDT2	5	1	0	1	0	2.1	3.9	0.0
	MHDT	5	5	1	4	0	3.9	19.9	0.0
	HHDT	5	8	0	7	0	0.0	37.3	2.3
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	50	8	42	0	40.6	208.1	0.0
	HHDT	5	83	0	78	5	0.3	390.8	23.6
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	43.2	13.2	20.0	0.2
Diesel	34.1	24.0	102.5	192.5
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	11.6

World Logistics Center
Mobile Emissions - Medium EV 2028 (Net) - Mitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0355	0.0333	0.0321	0.0351
10 mph	0.0044	0.0057	0.0047	0.0047	0.0045	0.0042	0.0041	0.0045
15 mph	0.0029	0.0038	0.0031	0.0032	0.0030	0.0028	0.0027	0.0030
20 mph	0.0020	0.0027	0.0022	0.0022	0.0021	0.0020	0.0019	0.0021
25 mph	0.0015	0.0020	0.0016	0.0016	0.0016	0.0015	0.0014	0.0016
30 mph	0.0012	0.0016	0.0013	0.0013	0.0012	0.0011	0.0011	0.0012
35 mph	0.0010	0.0013	0.0010	0.0010	0.0010	0.0009	0.0009	0.0010
40 mph	0.0008	0.0011	0.0009	0.0009	0.0009	0.0008	0.0008	0.0009
45 mph	0.0008	0.0010	0.0008	0.0008	0.0008	0.0007	0.0007	0.0008
50 mph	0.0007	0.0010	0.0008	0.0008	0.0008	0.0007	0.0007	0.0008
55 mph	0.0008	0.0010	0.0008	0.0008	0.0008	0.0007	0.0007	0.0008
60 mph	0.0008	0.0011	0.0009	0.0009	0.0009	0.0008	0.0008	0.0009
65 mph	0.0009	0.0012	0.0010	0.0010	0.0010	0.0009		
70 mph	0.0010	0.0013	0.0010	0.0011	0.0010	0.0009		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7600	0.7706	0.0070	0.0096
10 mph	0.0086	0.2109	0.0089	0.0063	0.0241	0.0313	0.0040	0.0105
15 mph	0.0070	0.1533	0.0076	0.0052	0.0184	0.0250	0.0031	0.0081
20 mph	0.0056	0.1174	0.0064	0.0043	0.0152	0.0208	0.0027	0.0058
25 mph	0.0046	0.0940	0.0055	0.0036	0.0127	0.0174	0.0025	0.0061
30 mph	0.0039	0.0789	0.0048	0.0032	0.0111	0.0153	0.0028	0.0066
35 mph	0.0034	0.0694	0.0043	0.0029	0.0101	0.0138	0.0034	0.0080
40 mph	0.0031	0.0636	0.0040	0.0026	0.0094	0.0127	0.0043	0.0103
45 mph	0.0029	0.0606	0.0037	0.0025	0.0089	0.0119	0.0056	0.0135
50 mph	0.0028	0.0607	0.0035	0.0023	0.0086	0.0114	0.0072	0.0173
55 mph	0.0028	0.0636	0.0033	0.0023	0.0084	0.0111	0.0092	0.0227
60 mph	0.0029	0.0694	0.0033	0.0023	0.0086	0.0112	0.0116	0.0280
65 mph	0.0030	0.0798	0.0033	0.0024	0.0095	0.0120		
70 mph	0.0031	0.0945	0.0034	0.0026	0.0145	0.0155		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0383
10 mph								0.0066
15 mph								0.0054
20 mph								0.0046
25 mph								0.0042
30 mph								0.0039
35 mph								0.0037
40 mph								0.0036
45 mph								0.0035
50 mph								0.0036
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0220	0.0021	0.0086	0.0073	0.0034	0.0010	0.0016	0.0000	0.0461
15 mph	0.0058	0.0006	0.0023	0.0020	0.0009	0.0003	0.0004	0.0000	0.0122
20 mph	0.0082	0.0008	0.0032	0.0028	0.0013	0.0004	0.0005	0.0000	0.0171
25 mph	0.0303	0.0030	0.0119	0.0102	0.0047	0.0013	0.0020	0.0000	0.0635
30 mph	0.0260	0.0026	0.0102	0.0087	0.0041	0.0012	0.0014	0.0000	0.0541
35 mph	0.0175	0.0017	0.0068	0.0058	0.0027	0.0008	0.0005	0.0000	0.0359
40 mph	0.0051	0.0005	0.0020	0.0017	0.0008	0.0002	0.0005	0.0000	0.0107
45 mph	0.0039	0.0004	0.0015	0.0013	0.0006	0.0002	0.0004	0.0000	0.0082
50 mph	0.0037	0.0004	0.0015	0.0012	0.0006	0.0002	0.0006	0.0000	0.0081
55 mph	0.0030	0.0003	0.0012	0.0010	0.0005	0.0001	0.0001	0.0000	0.0063
60 mph	0.0065	0.0006	0.0025	0.0022	0.0010	0.0003	0.0001	0.0000	0.0133
65 mph	0.0009	0.0001	0.0004	0.0003	0.0001	0.0000	-	-	0.0019
70 mph	-	-	-	-	-	-	-	-	-
total	0.1330	0.0130	0.0521	0.0445	0.0208	0.0059	0.0081	0.0001	0.2774

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0018	0.0002	0.0007	0.0013	0.0007	0.0002	-	-	0.0049
15 mph	0.0012	0.0001	0.0005	0.0008	0.0005	0.0001	-	-	0.0033
20 mph	0.0008	0.0001	0.0003	0.0006	0.0003	0.0001	0.0009	0.0000	0.0032
25 mph	0.0013	0.0001	0.0005	0.0009	0.0005	0.0001	0.0011	0.0000	0.0046
30 mph	0.0020	0.0002	0.0008	0.0014	0.0008	0.0002	0.0015	0.0000	0.0068
35 mph	0.0036	0.0004	0.0014	0.0025	0.0015	0.0004	0.0013	0.0000	0.0111
40 mph	0.0035	0.0003	0.0014	0.0024	0.0014	0.0004	0.0010	0.0000	0.0104
45 mph	0.0026	0.0003	0.0010	0.0018	0.0010	0.0003	0.0007	0.0000	0.0076
50 mph	0.0028	0.0003	0.0011	0.0019	0.0011	0.0003	0.0003	0.0000	0.0078
55 mph	0.0016	0.0002	0.0006	0.0011	0.0006	0.0002	0.0002	0.0000	0.0044
60 mph	0.0010	0.0001	0.0004	0.0007	0.0004	0.0001	0.0123	0.0001	0.0152
65 mph	0.0004	0.0000	0.0001	0.0003	0.0002	0.0000	-	-	0.0010
70 mph	0.0192	0.0019	0.0073	0.0131	0.0078	0.0022	-	-	0.0514
total	0.0417	0.0040	0.0161	0.0287	0.0169	0.0047	0.0193	0.0001	0.1316

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0034	0.0010	0.0014	0.0000	0.0058
15 mph	0.0242	0.0023	0.0095	0.0028	0.0014	0.0004	0.0006	0.0000	0.0413
25 mph	-	-	-	-	0.0014	0.0004	0.0013	0.0000	0.0032
35 mph	0.0346	0.0034	0.0135	0.0037	-	-	-	-	0.0552
total	0.0587	0.0057	0.0230	0.0066	0.0062	0.0018	0.0033	0.0000	0.1054

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0034	0.0010	0.0014	0.0000	0.0058
10 mph	0.0238	0.0023	0.0093	0.0086	0.0042	0.0012	0.0016	0.0000	0.0510
15 mph	0.0312	0.0030	0.0122	0.0057	0.0028	0.0008	0.0009	0.0000	0.0567
20 mph	0.0090	0.0009	0.0036	0.0033	0.0016	0.0005	0.0014	0.0000	0.0203
25 mph	0.0316	0.0031	0.0124	0.0110	0.0067	0.0019	0.0045	0.0000	0.0712
30 mph	0.0280	0.0027	0.0110	0.0101	0.0049	0.0014	0.0029	0.0000	0.0609
35 mph	0.0557	0.0055	0.0218	0.0121	0.0042	0.0012	0.0018	0.0000	0.1022
40 mph	0.0085	0.0008	0.0033	0.0041	0.0022	0.0006	0.0015	0.0000	0.0212
45 mph	0.0064	0.0006	0.0025	0.0031	0.0017	0.0005	0.0010	0.0000	0.0158
50 mph	0.0065	0.0006	0.0025	0.0032	0.0017	0.0005	0.0009	0.0000	0.0159
55 mph	0.0046	0.0004	0.0018	0.0021	0.0011	0.0003	0.0003	0.0000	0.0107
60 mph	0.0075	0.0007	0.0029	0.0029	0.0014	0.0004	0.0125	0.0001	0.0285
65 mph	0.0013	0.0001	0.0005	0.0006	0.0003	0.0001	-	-	0.0029
70 mph	0.0192	0.0019	0.0073	0.0131	0.0078	0.0022	-	-	0.0514
total	0.2334	0.0228	0.0912	0.0798	0.0440	0.0124	0.0307	0.0002	0.5144

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0004	0.0000	0.0001	0.0003	0.0144	0.0132	0.0079	0.0391	0.0755
15 mph	0.0001	0.0000	0.0000	0.0001	0.0044	0.0042	0.0021	0.0101	0.0211
20 mph	0.0002	0.0000	0.0001	0.0001	0.0073	0.0070	0.0035	0.0144	0.0327
25 mph	0.0010	0.0001	0.0003	0.0006	0.0304	0.0294	0.0185	0.0830	0.1632
30 mph	0.0009	0.0001	0.0003	0.0006	0.0293	0.0283	0.0184	0.0823	0.1602
35 mph	0.0006	0.0000	0.0002	0.0004	0.0219	0.0210	0.0100	0.0449	0.0991
40 mph	0.0002	0.0000	0.0001	0.0001	0.0068	0.0064	0.0142	0.0641	0.0919
45 mph	0.0002	0.0000	0.0001	0.0001	0.0053	0.0050	0.0148	0.0669	0.0924
50 mph	0.0001	0.0000	0.0001	0.0001	0.0052	0.0048	0.0311	0.1395	0.1809
55 mph	0.0001	0.0000	0.0000	0.0001	0.0040	0.0037	0.0092	0.0422	0.0594
60 mph	0.0002	0.0000	0.0001	0.0002	0.0082	0.0075	0.0115	0.0521	0.0798
65 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0010	-	-	0.0022
70 mph	-	-	-	-	-	-	-	-	-
total	0.0042	0.0003	0.0014	0.0027	0.1384	0.1316	0.1411	0.6385	1.0582

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0031	0.0028	-	-	0.0060
15 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0023	-	-	0.0047
20 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0019	0.0064	0.0259	0.0362
25 mph	0.0000	0.0000	0.0000	0.0001	0.0033	0.0031	0.0106	0.0476	0.0648
30 mph	0.0001	0.0000	0.0000	0.0001	0.0057	0.0055	0.0199	0.0890	0.1203
35 mph	0.0001	0.0000	0.0000	0.0002	0.0117	0.0112	0.0241	0.1078	0.1552
40 mph	0.0001	0.0000	0.0000	0.0002	0.0121	0.0115	0.0282	0.1270	0.1792
45 mph	0.0001	0.0000	0.0000	0.0001	0.0091	0.0086	0.0266	0.1206	0.1653
50 mph	0.0001	0.0000	0.0000	0.0002	0.0100	0.0093	0.0172	0.0774	0.1142
55 mph	0.0001	0.0000	0.0000	0.0001	0.0054	0.0050	0.0110	0.0507	0.0723
60 mph	0.0000	0.0000	0.0000	0.0000	0.0033	0.0030	0.9663	4.3793	5.3521
65 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0011	-	-	0.0023
70 mph	0.0006	0.0001	0.0002	0.0009	0.0858	0.0646	-	-	0.1521
total	0.0014	0.0001	0.0005	0.0019	0.1550	0.1300	1.1103	5.0255	6.4248

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0572	0.0408	0.0016	0.0041	0.1036
15 mph	0.0006	0.0000	0.0002	0.0001	0.0069	0.0066	0.0035	0.0168	0.0348
25 mph	-	-	-	-	0.0091	0.0088	0.0123	0.0550	0.0852
35 mph	0.0012	0.0001	0.0005	0.0003	-	-	-	-	0.0021
total	0.0018	0.0001	0.0006	0.0004	0.0732	0.0562	0.0173	0.0759	0.2256

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0572	0.0408	0.0016	0.0041	0.1036
10 mph	0.0005	0.0000	0.0001	0.0003	0.0175	0.0160	0.0079	0.0391	0.0815
15 mph	0.0008	0.0001	0.0002	0.0002	0.0137	0.0131	0.0055	0.0269	0.0605
20 mph	0.0003	0.0000	0.0001	0.0002	0.0093	0.0089	0.0099	0.0403	0.0689
25 mph	0.0010	0.0001	0.0003	0.0006	0.0427	0.0413	0.0414	0.1857	0.3132
30 mph	0.0010	0.0001	0.0003	0.0007	0.0350	0.0338	0.0383	0.1713	0.2805
35 mph	0.0020	0.0001	0.0007	0.0009	0.0336	0.0322	0.0341	0.1527	0.2563
40 mph	0.0003	0.0000	0.0001	0.0003	0.0189	0.0180	0.0424	0.1911	0.2711
45 mph	0.0003	0.0000	0.0001	0.0002	0.0145	0.0137	0.0414	0.1876	0.2577
50 mph	0.0003	0.0000	0.0001	0.0002	0.0151	0.0141	0.0483	0.2169	0.2951
55 mph	0.0002	0.0000	0.0001	0.0002	0.0094	0.0088	0.0202	0.0929	0.1317
60 mph	0.0003	0.0000	0.0001	0.0002	0.0115	0.0106	0.9778	4.4314	5.4319
65 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0021	-	-	0.0046
70 mph	0.0006	0.0001	0.0002	0.0009	0.0858	0.0646	-	-	0.1521
total	0.0074	0.0005	0.0025	0.0050	0.3667	0.3178	1.2687	5.7400	7.7086

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0015	0.0015
15 mph								0.0004	0.0004
20 mph								0.0007	0.0007
25 mph								0.0034	0.0034
30 mph								0.0029	0.0029
35 mph								0.0012	0.0012
40 mph								0.0013	0.0013
45 mph								0.0011	0.0011
50 mph								0.0017	0.0017
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0143	0.0143

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0013	0.0013
25 mph								0.0020	0.0020
30 mph								0.0031	0.0031
35 mph								0.0030	0.0030
40 mph								0.0026	0.0026
45 mph								0.0019	0.0019
50 mph								0.0010	0.0010
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0094	0.0094

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0007	0.0007
25 mph								0.0023	0.0023
35 mph								-	-
total	-	-	-	-	-	-	-	0.0039	0.0039

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0015	0.0015
15 mph								0.0011	0.0011
20 mph								0.0020	0.0020
25 mph								0.0077	0.0077
30 mph								0.0061	0.0061
35 mph								0.0042	0.0042
40 mph								0.0040	0.0040
45 mph								0.0030	0.0030
50 mph								0.0027	0.0027
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0331	0.0331

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0606	0.0417	0.0030	0.0051	0.1104
10 mph	0.0243	0.0023	0.0095	0.0089	0.0217	0.0172	0.0095	0.0406	0.1340
15 mph	0.0320	0.0031	0.0125	0.0059	0.0165	0.0139	0.0065	0.0280	0.1184
20 mph	0.0093	0.0009	0.0036	0.0035	0.0109	0.0093	0.0113	0.0423	0.0911
25 mph	0.0326	0.0032	0.0127	0.0117	0.0494	0.0432	0.0459	0.1934	0.3921
30 mph	0.0289	0.0028	0.0113	0.0107	0.0399	0.0352	0.0412	0.1774	0.3475
35 mph	0.0577	0.0056	0.0225	0.0130	0.0379	0.0334	0.0358	0.1569	0.3627
40 mph	0.0089	0.0009	0.0035	0.0044	0.0211	0.0186	0.0439	0.1951	0.2963
45 mph	0.0067	0.0006	0.0026	0.0033	0.0161	0.0141	0.0424	0.1905	0.2764
50 mph	0.0067	0.0007	0.0026	0.0034	0.0169	0.0146	0.0492	0.2196	0.3137
55 mph	0.0048	0.0005	0.0019	0.0023	0.0106	0.0091	0.0205	0.0929	0.1424
60 mph	0.0078	0.0008	0.0030	0.0031	0.0130	0.0110	0.9903	4.4315	5.4603
65 mph	0.0013	0.0001	0.0005	0.0006	0.0027	0.0022	-	-	0.0075
70 mph	0.0198	0.0019	0.0075	0.0139	0.0935	0.0667	-	-	0.2034
STREX	0.0056	0.0005	0.0021	0.0055	0.0005	0.0001	0.0002	0.0000	0.0145
total	0.2463	0.0238	0.0958	0.0903	0.4111	0.3304	1.2996	5.7733	**8.2707**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0014	0.0017	0.0014	0.0014	0.0003	0.0003	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0056	0.0005	0.0021	0.0055	0.0005	0.0001	0.0002	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0056	0.0005	0.0021	0.0055	0.0005	0.0001	0.0002	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.7772	0.1325	0.6576	0.5514	0.5274	0.1860	0.3796	0.0014
Diesel	0.0184	0.0001	0.0052	0.0147	0.4287	0.3476	1.9451	2.1661
Electric/NG	0.0985	0.0073	0.0364	0.0311	-	-	-	0.1329
Total	1.8941	0.1398	0.6992	0.5972	0.9561	0.5336	2.3247	2.3004

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.7349	0.0548	0.2719	0.4762	0.5654	0.1995	1.3688	0.0050
Diesel	0.0076	0.0000	0.0022	0.0127	0.4597	0.3727	7.0131	7.8100
Electric/NG	0.0407	0.0030	0.0150	0.0268	-	-	-	0.4792
Total	0.7833	0.0578	0.2892	0.5157	1.0251	0.5722	8.3819	8.2941

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.7786	0.0581	0.2881	0.0794	0.0482	0.0170	0.0680	0.0002
Diesel	0.0081	0.0000	0.0023	0.0021	0.0392	0.0318	0.3485	0.3881
Electric/NG	0.0432	0.0032	0.0159	0.0009	-	-	-	0.0238
Total	0.8298	0.0613	0.3063	0.0824	0.0873	0.0487	0.4165	0.4122

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	3.2907	0.2454	1.2176	1.1070	1.1410	0.4025	1.8164	0.0066	9.2272
Diesel	0.0340	0.0001	0.0097	0.0295	0.9276	0.7521	9.3067	10.3643	21.4240
Electric/NG	0.1824	0.0135	0.0674	0.0588	-	-	-	0.6359	0.9579
Total	3.5072	0.2589	1.2947	1.1953	2.0686	1.1546	11.1232	11.0067	**31.6091**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	15.4477
Internal	16.2015
Total	**31.6492**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0466	0.0321	0.0023	0.0039	0.0850
10 mph	0.0156	0.0015	0.0061	0.0057	0.0167	0.0132	0.0073	0.0313	0.0973
15 mph	0.0205	0.0020	0.0080	0.0038	0.0127	0.0107	0.0050	0.0215	0.0842
20 mph	0.0060	0.0006	0.0023	0.0023	0.0084	0.0072	0.0087	0.0326	0.0679
25 mph	0.0208	0.0020	0.0081	0.0075	0.0381	0.0333	0.0353	0.1489	0.2941
30 mph	0.0185	0.0018	0.0072	0.0069	0.0307	0.0271	0.0317	0.1366	0.2606
35 mph	0.0369	0.0036	0.0144	0.0083	0.0292	0.0257	0.0276	0.1208	0.2665
40 mph	0.0057	0.0006	0.0022	0.0028	0.0162	0.0143	0.0338	0.1502	0.2259
45 mph	0.0043	0.0004	0.0017	0.0021	0.0124	0.0109	0.0327	0.1467	0.2111
50 mph	0.0043	0.0004	0.0017	0.0022	0.0130	0.0113	0.0379	0.1691	0.2398
55 mph	0.0031	0.0003	0.0012	0.0014	0.0081	0.0070	0.0158	0.0716	0.1084
60 mph	0.0050	0.0005	0.0019	0.0020	0.0100	0.0084	0.7625	3.4123	4.2025
65 mph	0.0009	0.0001	0.0003	0.0004	0.0021	0.0017	-	-	0.0054
70 mph	0.0127	0.0012	0.0048	0.0089	0.0720	0.0514	-	-	0.1510
total	0.1541	0.0149	0.0600	0.0543	0.3162	0.2543	1.0005	4.4455	6.2997

World Logistics Center
Mobile Emissions - Medium EV 2028 (Net) - Mitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0053	0.0086	0.0072	0.0084	0.0112	0.0126	0.0205	0.2036
15 mph	0.0047	0.0075	0.0063	0.0073	0.0098	0.0110	0.0181	0.1799
20 mph	0.0042	0.0067	0.0056	0.0065	0.0090	0.0100	0.0164	0.1625
25 mph	0.0038	0.0060	0.0051	0.0059	0.0083	0.0091	0.0149	0.1488
30 mph	0.0036	0.0056	0.0047	0.0055	0.0078	0.0085	0.0137	0.1387
35 mph	0.0034	0.0053	0.0044	0.0052	0.0074	0.0080	0.0128	0.1314
40 mph	0.0032	0.0050	0.0042	0.0050	0.0071	0.0077	0.0122	0.1260
45 mph	0.0031	0.0049	0.0041	0.0048	0.0070	0.0075	0.0118	0.1226
50 mph	0.0031	0.0049	0.0041	0.0048	0.0070	0.0074	0.0117	0.1215
55 mph	0.0031	0.0050	0.0042	0.0049	0.0071	0.0075	0.0118	0.1231
60 mph	0.0032	0.0053	0.0043	0.0051	0.0074	0.0078	0.0122	0.1271
65 mph	0.0034	0.0056	0.0046	0.0054	0.0078	0.0082	0.0129	0.1330
70 mph	0.0036	0.0063	0.0048	0.0058	0.0086	0.0084	0.0128	0.1414

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0587	0.1268	0.0791	0.0984	0.1440	0.1611	0.2812	0.4182
15 mph	0.0483	0.1055	0.0656	0.0834	0.0937	0.1068	0.2212	0.3248
20 mph	0.0396	0.0867	0.0539	0.0693	0.0799	0.0912	0.1889	0.2760
25 mph	0.0332	0.0724	0.0452	0.0587	0.0709	0.0813	0.1649	0.2337
30 mph	0.0288	0.0623	0.0391	0.0508	0.0645	0.0734	0.1447	0.2051
35 mph	0.0260	0.0558	0.0352	0.0462	0.0646	0.0736	0.1293	0.1834
40 mph	0.0244	0.0520	0.0329	0.0432	0.0629	0.0710	0.1184	0.1683
45 mph	0.0235	0.0502	0.0317	0.0416	0.0614	0.0682	0.1122	0.1598
50 mph	0.0236	0.0502	0.0317	0.0418	0.0644	0.0708	0.1107	0.1569
55 mph	0.0247	0.0525	0.0332	0.0441	0.0672	0.0732	0.1139	0.1635
60 mph	0.0268	0.0569	0.0360	0.0478	0.0679	0.0735	0.1218	0.1733
65 mph	0.0301	0.0634	0.0404	0.0538	0.0689	0.0739	0.1342	0.1880
70 mph	0.0328	0.0661	0.0431	0.0588	0.0705	0.0756	0.1354	0.1907

*US EPA Emission Factors for Greenhouse Gas Inventories. (Idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.9086
15 mph								0.7624
20 mph								0.6655
25 mph								0.6131
30 mph								0.5796
35 mph								0.5530
40 mph								0.5313
45 mph								0.5131
50 mph								0.4975
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0267	0.0032	0.0133	0.0130	0.0085	0.0029	0.0079	0.0005	0.0761
15 mph	0.0094	0.0011	0.0047	0.0045	0.0030	0.0010	0.0023	0.0002	0.0262
20 mph	0.0169	0.0020	0.0084	0.0081	0.0055	0.0018	0.0042	0.0003	0.0471
25 mph	0.0768	0.0090	0.0379	0.0369	0.0250	0.0084	0.0211	0.0014	0.2166
30 mph	0.0784	0.0092	0.0386	0.0377	0.0259	0.0086	0.0176	0.0012	0.2172
35 mph	0.0606	0.0071	0.0297	0.0291	0.0202	0.0067	0.0074	0.0005	0.1613
40 mph	0.0193	0.0023	0.0094	0.0093	0.0065	0.0021	0.0079	0.0006	0.0573
45 mph	0.0156	0.0018	0.0076	0.0075	0.0053	0.0017	0.0061	0.0004	0.0461
50 mph	0.0154	0.0018	0.0076	0.0074	0.0053	0.0017	0.0098	0.0007	0.0497
55 mph	0.0124	0.0015	0.0062	0.0061	0.0043	0.0014	0.0023	0.0002	0.0343
60 mph	0.0259	0.0032	0.0129	0.0127	0.0089	0.0029	0.0024	0.0002	0.0689
65 mph	0.0034	0.0004	0.0017	0.0017	0.0012	0.0004	-	-	0.0087
70 mph	-	-	-	-	-	-	-	-	-
total	0.3606	0.0425	0.1778	0.1739	0.1196	0.0398	0.0891	0.0061	1.0095

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0022	0.0003	0.0011	0.0022	0.0018	0.0006	-	-	0.0083
15 mph	0.0019	0.0002	0.0010	0.0020	0.0016	0.0005	-	-	0.0072
20 mph	0.0017	0.0002	0.0009	0.0018	0.0015	0.0005	0.0076	0.0005	0.0147
25 mph	0.0032	0.0004	0.0016	0.0032	0.0027	0.0009	0.0121	0.0008	0.0248
30 mph	0.0059	0.0007	0.0029	0.0059	0.0050	0.0017	0.0191	0.0013	0.0425
35 mph	0.0125	0.0015	0.0061	0.0126	0.0108	0.0036	0.0178	0.0012	0.0662
40 mph	0.0133	0.0016	0.0065	0.0133	0.0116	0.0038	0.0156	0.0011	0.0669
45 mph	0.0103	0.0012	0.0050	0.0104	0.0091	0.0030	0.0110	0.0008	0.0507
50 mph	0.0114	0.0014	0.0056	0.0116	0.0102	0.0033	0.0054	0.0004	0.0493
55 mph	0.0064	0.0008	0.0032	0.0065	0.0058	0.0019	0.0028	0.0002	0.0275
60 mph	0.0040	0.0005	0.0020	0.0041	0.0036	0.0012	0.1993	0.0140	0.2287
65 mph	0.0014	0.0002	0.0007	0.0014	0.0013	0.0004	-	-	0.0054
70 mph	0.0678	0.0089	0.0336	0.0715	0.0645	0.0191	-	-	0.2654
total	0.1421	0.0177	0.0701	0.1465	0.1295	0.0405	0.2908	0.0204	0.8576

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0013	0.0004	0.0006	0.0000	0.0023
15 mph	0.0387	0.0046	0.0193	0.0066	0.0047	0.0016	0.0039	0.0003	0.0797
25 mph	-	-	-	-	0.0075	0.0025	0.0140	0.0009	0.0249
35 mph	0.1196	0.0140	0.0586	0.0186	-	-	-	-	0.2107
total	0.1583	0.0186	0.0779	0.0252	0.0135	0.0045	0.0185	0.0012	0.3176

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0013	0.0004	0.0006	0.0000	0.0023
10 mph	0.0289	0.0035	0.0144	0.0152	0.0103	0.0035	0.0079	0.0005	0.0844
15 mph	0.0501	0.0060	0.0249	0.0131	0.0093	0.0032	0.0062	0.0004	0.1131
20 mph	0.0186	0.0022	0.0092	0.0099	0.0069	0.0023	0.0119	0.0008	0.0618
25 mph	0.0800	0.0094	0.0395	0.0401	0.0352	0.0119	0.0472	0.0032	0.2664
30 mph	0.0843	0.0099	0.0415	0.0436	0.0309	0.0103	0.0367	0.0025	0.2597
35 mph	0.1927	0.0225	0.0944	0.0602	0.0311	0.0103	0.0253	0.0018	0.4382
40 mph	0.0326	0.0038	0.0160	0.0226	0.0181	0.0060	0.0235	0.0016	0.1242
45 mph	0.0258	0.0030	0.0127	0.0178	0.0144	0.0047	0.0171	0.0012	0.0968
50 mph	0.0268	0.0032	0.0132	0.0190	0.0155	0.0050	0.0152	0.0011	0.0990
55 mph	0.0189	0.0023	0.0093	0.0126	0.0101	0.0033	0.0050	0.0004	0.0619
60 mph	0.0299	0.0036	0.0149	0.0168	0.0125	0.0040	0.2017	0.0142	0.2976
65 mph	0.0048	0.0006	0.0024	0.0031	0.0024	0.0008	-	-	0.0141
70 mph	0.0678	0.0089	0.0336	0.0715	0.0645	0.0191	-	-	0.2654
total	0.6611	0.0788	0.3258	0.3456	0.2626	0.0848	0.3983	0.0277	2.1847

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0030	0.0000	0.0012	0.0041	0.0863	0.0679	0.5576	1.5573	2.2774
15 mph	0.0010	0.0000	0.0004	0.0014	0.0225	0.0180	0.1462	0.4032	0.5927
20 mph	0.0016	0.0000	0.0006	0.0023	0.0383	0.0308	0.2497	0.6852	1.0087
25 mph	0.0069	0.0000	0.0027	0.0097	0.1700	0.1371	1.1987	3.1913	4.7165
30 mph	0.0066	0.0000	0.0025	0.0092	0.1700	0.1362	0.9566	2.5463	3.8275
35 mph	0.0049	0.0000	0.0019	0.0069	0.1394	0.1117	0.3845	1.0244	1.6736
40 mph	0.0015	0.0000	0.0006	0.0021	0.0453	0.0359	0.3914	1.0449	1.5217
45 mph	0.0012	0.0000	0.0005	0.0017	0.0368	0.0288	0.2967	0.7937	1.1594
50 mph	0.0012	0.0000	0.0005	0.0017	0.0386	0.0299	0.4758	1.2663	1.8140
55 mph	0.0010	0.0000	0.0004	0.0015	0.0322	0.0247	0.1130	0.3043	0.4771
60 mph	0.0022	0.0000	0.0009	0.0032	0.0651	0.0496	0.1207	0.3227	0.5643
65 mph	0.0003	0.0000	0.0001	0.0004	0.0083	0.0062	-	-	0.0154
70 mph	-	-	-	-	-	-	-	-	-
total	0.0315	0.0002	0.0122	0.0443	0.8528	0.6768	4.8909	13.1397	19.6483

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0003	0.0000	0.0001	0.0007	0.0185	0.0146	-	-	0.0341
15 mph	0.0002	0.0000	0.0001	0.0006	0.0120	0.0097	-	-	0.0226
20 mph	0.0002	0.0000	0.0001	0.0005	0.0103	0.0082	0.4502	1.2353	1.7048
25 mph	0.0003	0.0000	0.0001	0.0008	0.0182	0.0147	0.6876	1.8306	2.5523
30 mph	0.0005	0.0000	0.0002	0.0015	0.0331	0.0266	1.0348	2.7542	3.8508
35 mph	0.0010	0.0000	0.0004	0.0030	0.0747	0.0599	0.9242	2.4623	3.5254
40 mph	0.0010	0.0000	0.0004	0.0031	0.0809	0.0642	0.7761	2.0720	2.9977
45 mph	0.0008	0.0000	0.0003	0.0024	0.0631	0.0494	0.5349	1.4308	2.0817
50 mph	0.0009	0.0000	0.0003	0.0027	0.0745	0.0576	0.2639	0.7024	1.1024
55 mph	0.0005	0.0000	0.0002	0.0016	0.0432	0.0331	0.1358	0.3658	0.5802
60 mph	0.0003	0.0000	0.0001	0.0010	0.0262	0.0199	10.1548	27.1508	37.3532
65 mph	0.0001	0.0000	0.0000	0.0004	0.0089	0.0067	-	-	0.0161
70 mph	0.0065	0.0000	0.0024	0.0193	0.4171	0.3144	-	-	0.7597
total	0.0126	0.0001	0.0048	0.0375	0.8808	0.6788	14.9623	40.0041	56.5811

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0003	0.0011	0.0020	0.0037
15 mph	0.0041	0.0000	0.0016	0.0020	0.0354	0.0284	0.2436	0.6719	0.9871
25 mph	-	-	-	-	0.0509	0.0410	0.7947	2.1157	3.0023
35 mph	0.0096	0.0001	0.0037	0.0044	-	-	-	-	0.0177
total	0.0137	0.0001	0.0053	0.0064	0.0866	0.0697	1.0394	2.7897	4.0109

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0003	0.0011	0.0020	0.0037
10 mph	0.0033	0.0000	0.0013	0.0048	0.1048	0.0825	0.5576	1.5573	2.3116
15 mph	0.0053	0.0000	0.0021	0.0040	0.0699	0.0561	0.3898	1.0751	1.6024
20 mph	0.0018	0.0000	0.0007	0.0028	0.0486	0.0390	0.7000	1.9205	2.7135
25 mph	0.0072	0.0000	0.0028	0.0106	0.2391	0.1929	2.6810	7.1376	10.2711
30 mph	0.0071	0.0000	0.0027	0.0107	0.2032	0.1628	1.9914	5.3005	7.6783
35 mph	0.0154	0.0001	0.0060	0.0142	0.2141	0.1715	1.3086	3.4867	5.2167
40 mph	0.0026	0.0000	0.0010	0.0052	0.1261	0.1001	1.1675	3.1169	4.5194
45 mph	0.0020	0.0000	0.0008	0.0041	0.0999	0.0781	0.8317	2.2245	3.2411
50 mph	0.0021	0.0000	0.0008	0.0044	0.1131	0.0875	0.7397	1.9688	2.9165
55 mph	0.0016	0.0000	0.0006	0.0030	0.0755	0.0578	0.2487	0.6701	1.0573
60 mph	0.0026	0.0000	0.0010	0.0042	0.0913	0.0695	10.2755	27.4735	37.9175
65 mph	0.0004	0.0000	0.0002	0.0008	0.0171	0.0129	-	-	0.0315
70 mph	0.0065	0.0000	0.0024	0.0193	0.4171	0.3144	-	-	0.7597
total	0.0579	0.0004	0.0223	0.0882	1.8202	1.4253	20.8926	55.9336	80.2403

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.2043	0.2043
15 mph								0.0571	0.0571
20 mph								0.0998	0.0998
25 mph								0.5055	0.5055
30 mph								0.4344	0.4344
35 mph								0.1865	0.1865
40 mph								0.1991	0.1991
45 mph								0.1538	0.1538
50 mph								0.2424	0.2424
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.0830	2.0830

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.1798	0.1798
25 mph								0.2900	0.2900
30 mph								0.4699	0.4699
35 mph								0.4484	0.4484
40 mph								0.3949	0.3949
45 mph								0.2773	0.2773
50 mph								0.1344	0.1344
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.3881	1.3881

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
15 mph								0.0952	0.0952
25 mph								0.3351	0.3351
35 mph								-	-
total	-	-	-	-	-	-	-	0.4307	0.4307

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0003	0.0003
10 mph								0.2043	0.2043
15 mph								0.1524	0.1524
20 mph								0.2796	0.2796
25 mph								1.1306	1.1306
30 mph								0.9043	0.9043
35 mph								0.6349	0.6349
40 mph								0.5940	0.5940
45 mph								0.4311	0.4311
50 mph								0.3768	0.3768
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	4.7084	4.7084

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0016	0.0006	0.0017	0.0024	0.0063
10 mph	0.0322	0.0035	0.0157	0.0200	0.1151	0.0860	0.5655	1.7622	2.6002
15 mph	0.0554	0.0060	0.0270	0.0171	0.0792	0.0592	0.3961	1.2279	1.8679
20 mph	0.0204	0.0022	0.0099	0.0127	0.0555	0.0414	0.7118	2.2009	3.0549
25 mph	0.0871	0.0094	0.0422	0.0507	0.2743	0.2047	2.7282	8.2714	11.6681
30 mph	0.0914	0.0099	0.0442	0.0543	0.2341	0.1731	2.0281	6.2073	8.8423
35 mph	0.2081	0.0226	0.1004	0.0745	0.2452	0.1818	1.3339	4.1233	6.2898
40 mph	0.0351	0.0038	0.0169	0.0278	0.1443	0.1060	1.1911	3.7125	5.2376
45 mph	0.0279	0.0030	0.0135	0.0219	0.1143	0.0828	0.8487	2.6568	3.7690
50 mph	0.0289	0.0032	0.0140	0.0234	0.1286	0.0925	0.7548	2.3467	3.3922
55 mph	0.0204	0.0023	0.0099	0.0157	0.0856	0.0611	0.2538	0.6705	1.1192
60 mph	0.0325	0.0037	0.0158	0.0210	0.1038	0.0735	10.4772	27.4877	38.2152
65 mph	0.0052	0.0006	0.0026	0.0040	0.0196	0.0137	-	-	0.0456
70 mph	0.0742	0.0090	0.0360	0.0908	0.4816	0.3335	-	-	1.0251
STREX	0.0878	0.0072	0.0381	0.1028	0.0502	0.0153	0.0197	0.0000	0.3212
total	0.8067	0.0864	0.3862	0.5366	2.1329	1.5254	21.3106	60.6697	**87.4546**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0215	0.0237	0.0252	0.0272	0.0363	0.0363	0.0293	0.0063
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0878	0.0072	0.0381	0.1028	0.0502	0.0153	0.0197	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0878	0.0072	0.0381	0.1028	0.0502	0.0153	0.0197	0.0000

World Logistics Center
Mobile Emissions - Medium EV 2028 (Net) - Mitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					2.0593	2.0770	3.3603	2.4859
10 mph	0.0062	0.0135	0.0103	0.0125	0.0136	0.0109	0.0239	0.3156
15 mph	0.0041	0.0092	0.0069	0.0084	0.0092	0.0073	0.0160	0.2094
20 mph	0.0029	0.0066	0.0049	0.0059	0.0067	0.0052	0.0114	0.1478
25 mph	0.0022	0.0049	0.0036	0.0044	0.0050	0.0039	0.0083	0.1095
30 mph	0.0017	0.0039	0.0028	0.0034	0.0040	0.0030	0.0064	0.0858
35 mph	0.0014	0.0032	0.0023	0.0028	0.0033	0.0025	0.0052	0.0710
40 mph	0.0012	0.0028	0.0020	0.0025	0.0030	0.0022	0.0046	0.0619
45 mph	0.0011	0.0026	0.0018	0.0023	0.0028	0.0020	0.0041	0.0569
50 mph	0.0011	0.0025	0.0018	0.0022	0.0027	0.0019	0.0040	0.0552
55 mph	0.0011	0.0025	0.0018	0.0022	0.0028	0.0020	0.0041	0.0563
60 mph	0.0011	0.0026	0.0019	0.0023	0.0030	0.0021	0.0044	0.0603
65 mph	0.0012	0.0028	0.0021	0.0026	0.0034	0.0024		
70 mph	0.0013	0.0034	0.0022	0.0028	0.0036	0.0024		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0235	0.1100
10 mph	0.0045	0.0184	0.0090	0.0047	0.0254	0.0255	0.0015	0.0038
15 mph	0.0023	0.0121	0.0044	0.0023	0.0129	0.0130	0.0008	0.0021
20 mph	0.0010	0.0082	0.0017	0.0009	0.0057	0.0057	0.0006	0.0013
25 mph	0.0006	0.0064	0.0011	0.0006	0.0037	0.0037	0.0004	0.0011
30 mph	0.0005	0.0053	0.0008	0.0004	0.0029	0.0029	0.0004	0.0009
35 mph	0.0004	0.0046	0.0006	0.0004	0.0024	0.0024	0.0003	0.0007
40 mph	0.0003	0.0042	0.0005	0.0003	0.0021	0.0020	0.0003	0.0006
45 mph	0.0003	0.0039	0.0004	0.0003	0.0019	0.0018	0.0002	0.0006
50 mph	0.0003	0.0039	0.0004	0.0002	0.0017	0.0017	0.0002	0.0006
55 mph	0.0002	0.0041	0.0003	0.0002	0.0017	0.0016	0.0003	0.0006
60 mph	0.0002	0.0044	0.0003	0.0002	0.0017	0.0016	0.0003	0.0007
65 mph	0.0002	0.0051	0.0003	0.0002	0.0019	0.0018		
70 mph	0.0003	0.0059	0.0003	0.0002	0.0029	0.0026		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.9269
10 mph								11.5209
15 mph								7.8828
20 mph								5.5498
25 mph								4.0742
30 mph								3.0258
35 mph								2.2504
40 mph								1.6776
45 mph								1.2557
50 mph								0.9464
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0311	0.0051	0.0191	0.0193	0.0103	0.0025	0.0093	0.0008	0.0975
15 mph	0.0083	0.0014	0.0051	0.0052	0.0028	0.0007	0.0021	0.0002	0.0257
20 mph	0.0117	0.0020	0.0073	0.0074	0.0041	0.0010	0.0029	0.0003	0.0365
25 mph	0.0431	0.0073	0.0269	0.0273	0.0153	0.0036	0.0118	0.0011	0.1363
30 mph	0.0368	0.0064	0.0231	0.0235	0.0133	0.0031	0.0083	0.0007	0.1150
35 mph	0.0246	0.0043	0.0155	0.0158	0.0091	0.0021	0.0030	0.0003	0.0747
40 mph	0.0071	0.0012	0.0045	0.0046	0.0027	0.0006	0.0029	0.0003	0.0239
45 mph	0.0055	0.0010	0.0034	0.0035	0.0021	0.0005	0.0021	0.0002	0.0182
50 mph	0.0053	0.0009	0.0033	0.0034	0.0020	0.0004	0.0034	0.0003	0.0190
55 mph	0.0043	0.0007	0.0027	0.0027	0.0017	0.0004	0.0008	0.0001	0.0133
60 mph	0.0090	0.0015	0.0056	0.0057	0.0036	0.0008	0.0009	0.0001	0.0272
65 mph	0.0013	0.0002	0.0008	0.0008	0.0005	0.0001	-	-	0.0037
70 mph	-	-	-	-	-	-	-	-	-
total	0.1880	0.0320	0.1171	0.1192	0.0675	0.0157	0.0474	0.0043	0.5911

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0026	0.0004	0.0016	0.0033	0.0022	0.0005	-	-	0.0107
15 mph	0.0017	0.0003	0.0011	0.0022	0.0015	0.0004	-	-	0.0072
20 mph	0.0012	0.0002	0.0008	0.0016	0.0011	0.0003	0.0053	0.0005	0.0108
25 mph	0.0018	0.0003	0.0011	0.0024	0.0016	0.0004	0.0068	0.0006	0.0150
30 mph	0.0028	0.0005	0.0017	0.0037	0.0026	0.0006	0.0089	0.0008	0.0216
35 mph	0.0051	0.0009	0.0032	0.0068	0.0049	0.0011	0.0073	0.0007	0.0299
40 mph	0.0049	0.0009	0.0031	0.0066	0.0048	0.0011	0.0058	0.0005	0.0277
45 mph	0.0036	0.0006	0.0023	0.0048	0.0036	0.0008	0.0039	0.0004	0.0199
50 mph	0.0039	0.0007	0.0024	0.0052	0.0039	0.0009	0.0019	0.0002	0.0192
55 mph	0.0022	0.0004	0.0014	0.0030	0.0023	0.0005	0.0010	0.0001	0.0107
60 mph	0.0014	0.0002	0.0009	0.0019	0.0015	0.0003	0.0717	0.0066	0.0845
65 mph	0.0005	0.0001	0.0003	0.0007	0.0006	0.0001	-	-	0.0023
70 mph	0.0257	0.0048	0.0156	0.0348	0.0270	0.0054	-	-	0.1133
total	0.0574	0.0102	0.0354	0.0770	0.0576	0.0123	0.1125	0.0104	0.3727

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1961	0.0603	0.1482	0.0011	0.4056
15 mph	0.0343	0.0057	0.0212	0.0076	0.0044	0.0011	0.0034	0.0003	0.0779
25 mph	-	-	-	-	0.0046	0.0011	0.0078	0.0007	0.0142
35 mph	0.0487	0.0085	0.0305	0.0101	-	-	-	-	0.0977
total	0.0830	0.0142	0.0517	0.0176	0.2050	0.0624	0.1595	0.0021	0.5954

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.1961	0.0603	0.1482	0.0011	0.4056
10 mph	0.0337	0.0055	0.0207	0.0227	0.0126	0.0031	0.0093	0.0008	0.1082
15 mph	0.0443	0.0073	0.0274	0.0150	0.0087	0.0021	0.0055	0.0005	0.1108
20 mph	0.0129	0.0022	0.0080	0.0089	0.0051	0.0012	0.0082	0.0007	0.0473
25 mph	0.0449	0.0076	0.0280	0.0297	0.0215	0.0050	0.0264	0.0024	0.1654
30 mph	0.0396	0.0068	0.0248	0.0271	0.0159	0.0037	0.0172	0.0016	0.1366
35 mph	0.0784	0.0137	0.0492	0.0327	0.0140	0.0032	0.0103	0.0010	0.2023
40 mph	0.0120	0.0021	0.0076	0.0112	0.0075	0.0017	0.0088	0.0008	0.0516
45 mph	0.0091	0.0016	0.0057	0.0083	0.0057	0.0013	0.0060	0.0006	0.0382
50 mph	0.0092	0.0016	0.0057	0.0086	0.0060	0.0013	0.0052	0.0005	0.0382
55 mph	0.0065	0.0011	0.0040	0.0057	0.0040	0.0009	0.0018	0.0002	0.0241
60 mph	0.0104	0.0018	0.0064	0.0076	0.0051	0.0011	0.0726	0.0067	0.1117
65 mph	0.0018	0.0003	0.0011	0.0015	0.0011	0.0002	-	-	0.0059
70 mph	0.0257	0.0048	0.0156	0.0348	0.0270	0.0054	-	-	0.1133
total	0.3283	0.0564	0.2041	0.2138	0.3301	0.0904	0.3194	0.0167	1.5593

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0002	0.0000	0.0001	0.0002	0.0152	0.0108	0.0030	0.0143	0.0438
15 mph	0.0000	0.0000	0.0000	0.0000	0.0031	0.0022	0.0006	0.0026	0.0086
20 mph	0.0000	0.0000	0.0000	0.0000	0.0027	0.0019	0.0008	0.0033	0.0088
25 mph	0.0001	0.0000	0.0001	0.0001	0.0089	0.0062	0.0033	0.0147	0.0333
30 mph	0.0001	0.0000	0.0001	0.0001	0.0077	0.0053	0.0024	0.0108	0.0264
35 mph	0.0001	0.0000	0.0000	0.0001	0.0052	0.0036	0.0009	0.0040	0.0139
40 mph	0.0000	0.0000	0.0000	0.0000	0.0015	0.0010	0.0008	0.0038	0.0073
45 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0008	0.0006	0.0028	0.0054
50 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0010	0.0046	0.0074
55 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0005	0.0003	0.0012	0.0028
60 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0011	0.0003	0.0014	0.0044
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0007	0.0000	0.0004	0.0006	0.0491	0.0342	0.0139	0.0636	0.1625

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0033	0.0023	-	-	0.0056
15 mph	0.0000	0.0000	0.0000	0.0000	0.0017	0.0012	-	-	0.0029
20 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0014	0.0059	0.0085
25 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0019	0.0084	0.0119
30 mph	0.0000	0.0000	0.0000	0.0000	0.0015	0.0010	0.0026	0.0117	0.0169
35 mph	0.0000	0.0000	0.0000	0.0000	0.0028	0.0019	0.0021	0.0096	0.0166
40 mph	0.0000	0.0000	0.0000	0.0000	0.0027	0.0018	0.0017	0.0076	0.0139
45 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0013	0.0011	0.0051	0.0095
50 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0014	0.0006	0.0026	0.0065
55 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0007	0.0003	0.0014	0.0035
60 mph	0.0000	0.0000	0.0000	0.0000	0.0006	0.0004	0.0255	0.1154	0.1419
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	0.0000	0.0000	0.0000	0.0001	0.0174	0.0107	-	-	0.0283
total	0.0002	0.0000	0.0001	0.0002	0.0369	0.0242	0.0371	0.1677	0.2664

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0111	0.0078	0.0053	0.0467	0.0709
15 mph	0.0002	0.0000	0.0001	0.0001	0.0049	0.0034	0.0009	0.0044	0.0140
25 mph	-	-	-	-	0.0027	0.0018	0.0022	0.0098	0.0164
35 mph	0.0001	0.0000	0.0001	0.0000	-	-	-	-	0.0002
total	0.0003	0.0000	0.0002	0.0001	0.0186	0.0131	0.0084	0.0608	0.1015

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0111	0.0078	0.0053	0.0467	0.0709
10 mph	0.0003	0.0000	0.0001	0.0002	0.0185	0.0131	0.0030	0.0143	0.0495
15 mph	0.0003	0.0000	0.0001	0.0001	0.0097	0.0068	0.0015	0.0070	0.0254
20 mph	0.0000	0.0000	0.0000	0.0000	0.0035	0.0024	0.0021	0.0091	0.0172
25 mph	0.0001	0.0000	0.0001	0.0001	0.0125	0.0087	0.0073	0.0329	0.0617
30 mph	0.0001	0.0000	0.0001	0.0001	0.0092	0.0064	0.0050	0.0225	0.0433
35 mph	0.0002	0.0000	0.0001	0.0001	0.0080	0.0055	0.0030	0.0137	0.0307
40 mph	0.0000	0.0000	0.0000	0.0000	0.0042	0.0029	0.0025	0.0114	0.0211
45 mph	0.0000	0.0000	0.0000	0.0000	0.0030	0.0021	0.0017	0.0079	0.0149
50 mph	0.0000	0.0000	0.0000	0.0000	0.0031	0.0021	0.0016	0.0072	0.0139
55 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0013	0.0006	0.0026	0.0063
60 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0015	0.0258	0.1168	0.1463
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	-	-	0.0008
70 mph	0.0000	0.0000	0.0000	0.0001	0.0174	0.0107	-	-	0.0283
total	0.0012	0.0000	0.0006	0.0009	0.1046	0.0715	0.0594	0.2921	0.5304

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								2.5906	2.5906
15 mph								0.5908	0.5908
20 mph								0.8320	0.8320
25 mph								3.3592	3.3592
30 mph								2.2680	2.2680
35 mph								0.7590	0.7590
40 mph								0.6287	0.6287
45 mph								0.3765	0.3765
50 mph								0.4611	0.4611
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	11.8659	11.8659

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1.4998	1.4998
25 mph								1.9268	1.9268
30 mph								2.4531	2.4531
35 mph								1.8245	1.8245
40 mph								1.2468	1.2468
45 mph								0.6787	0.6787
50 mph								0.2558	0.2558
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	7.7043	7.7043

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0494	0.0494
15 mph								0.9846	0.9846
25 mph								2.2270	2.2270
35 mph								-	-
total	-	-	-	-	-	-	-	3.2610	3.2610

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0494	0.0494
10 mph								2.5906	2.5906
15 mph								1.5755	1.5755
20 mph								2.3318	2.3318
25 mph								7.5130	7.5130
30 mph								4.7211	4.7211
35 mph								2.5835	2.5835
40 mph								1.8755	1.8755
45 mph								1.0552	1.0552
50 mph								0.7169	0.7169
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	25.0124	25.0124

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2072	0.0681	0.1535	0.0971	0.5259
10 mph	0.0339	0.0055	0.0208	0.0229	0.0310	0.0161	0.0123	2.6058	2.7483
15 mph	0.0446	0.0073	0.0275	0.0151	0.0184	0.0089	0.0070	1.5830	1.7117
20 mph	0.0129	0.0022	0.0080	0.0090	0.0086	0.0037	0.0103	2.3416	2.3964
25 mph	0.0450	0.0077	0.0281	0.0298	0.0339	0.0137	0.0337	7.5483	7.7401
30 mph	0.0397	0.0068	0.0248	0.0272	0.0250	0.0100	0.0222	4.7452	4.9010
35 mph	0.0786	0.0137	0.0493	0.0328	0.0220	0.0087	0.0133	2.5981	2.8165
40 mph	0.0121	0.0021	0.0076	0.0112	0.0117	0.0046	0.0113	1.8877	1.9483
45 mph	0.0091	0.0016	0.0057	0.0084	0.0087	0.0033	0.0077	1.0637	1.1082
50 mph	0.0092	0.0016	0.0057	0.0086	0.0091	0.0034	0.0068	0.7245	0.7690
55 mph	0.0065	0.0011	0.0040	0.0057	0.0058	0.0021	0.0023	0.0028	0.0304
60 mph	0.0104	0.0018	0.0064	0.0076	0.0073	0.0026	0.0984	0.1235	0.2581
65 mph	0.0018	0.0003	0.0011	0.0015	0.0015	0.0005	-	-	0.0067
70 mph	0.0257	0.0048	0.0156	0.0349	0.0444	0.0161	-	-	0.1415
STREX	0.1436	0.0142	0.0722	0.2099	0.0248	0.0076	0.0229	0.0000	0.4953
total	0.4730	0.0706	0.2769	0.4246	0.4596	0.1696	0.4017	25.3213	**27.5973**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0352	0.0467	0.0479	0.0555	0.0179	0.0181	0.0341	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1436	0.0142	0.0722	0.2099	0.0248	0.0076	0.0229	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1436	0.0142	0.0722	0.2099	0.0248	0.0076	0.0229	0.0000

World Logistics Center
Mobile Emissions - Medium EV 2028 (Net) - Mitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,317.32	5,041.58	12,804.29	21,332.27
10 mph	445.89	521.61	538.37	663.96	1,419.30	1,633.90	2,930.90	3,472.02
15 mph	364.44	426.25	439.83	541.95	1,159.35	1,333.69	2,397.86	2,849.16
20 mph	303.12	354.54	365.82	450.82	963.94	1,109.12	1,991.11	2,373.91
25 mph	259.16	303.22	312.91	385.93	823.97	947.98	1,703.86	2,031.83
30 mph	230.01	269.17	277.84	343.09	731.46	841.61	1,513.97	1,802.70
35 mph	213.31	249.69	257.78	318.85	678.46	780.78	1,404.68	1,669.11
40 mph	206.69	241.94	249.77	309.02	656.84	755.94	1,359.22	1,613.79
45 mph	207.78	243.09	250.92	310.33	659.25	758.72	1,365.13	1,615.14
50 mph	214.01	250.34	258.33	319.80	678.69	780.74	1,404.19	1,659.42
55 mph	222.34	260.06	268.44	332.50	706.52	812.71	1,459.58	1,724.57
60 mph	229.02	268.18	277.04	343.59	735.08	845.53	1,517.95	1,791.80
65 mph	234.58	275.19	284.42	353.44	757.42	870.83		
70 mph	237.52	279.28	287.11	362.13	768.81	880.60		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,505.64	5,653.06	5,792.49	5,436.47
10 mph	373.68	806.96	502.97	626.20	916.07	1,024.92	1,788.95	2,660.49
15 mph	307.41	671.36	417.19	530.43	595.90	679.71	1,407.30	2,066.44
20 mph	252.17	551.31	342.71	440.59	508.56	580.46	1,202.00	1,755.92
25 mph	211.45	460.52	287.38	373.18	451.02	517.26	1,048.97	1,486.89
30 mph	183.22	396.20	248.49	322.94	410.07	467.04	920.84	1,304.99
35 mph	165.71	355.09	224.21	293.76	410.96	468.03	822.41	1,166.67
40 mph	155.09	330.85	209.24	274.94	400.22	451.49	753.48	1,071.02
45 mph	149.81	319.33	201.75	264.52	390.56	434.20	714.06	1,016.91
50 mph	150.30	319.35	201.99	266.13	409.78	450.62	704.53	998.48
55 mph	157.24	333.98	211.14	280.81	427.75	465.90	724.91	1,039.87
60 mph	170.49	361.96	228.75	304.07	431.78	467.29	774.59	1,102.68
65 mph	191.79	403.42	256.88	342.31	438.62	469.92		
70 mph	208.94	420.58	274.43	374.03	448.76	480.82		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,497.61
10 mph								4,457.00
15 mph								3,740.03
20 mph								3,264.45
25 mph								3,007.51
30 mph								2,843.07
35 mph								2,712.93
40 mph								2,606.31
45 mph								2,516.78
50 mph								2,440.25
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	2,232.23	194.72	997.28	1,031.28	1,076.70	377.87	1,134.21	9.11	7,053.39
15 mph	729.79	63.65	325.89	336.71	351.80	123.38	309.31	2.49	2,243.01
20 mph	1,213.99	105.88	542.11	560.17	585.00	205.20	513.68	4.15	3,730.20
25 mph	5,189.70	452.76	2,318.52	2,397.75	2,500.30	876.94	2,417.66	19.54	16,173.19
30 mph	5,066.40	442.12	2,264.55	2,344.72	2,441.54	856.40	1,952.94	15.76	15,384.44
35 mph	3,844.27	335.55	1,719.05	1,782.89	1,852.88	650.05	815.38	6.57	11,006.64
40 mph	1,241.66	108.38	555.21	575.98	597.94	209.79	876.66	7.06	4,172.67
45 mph	1,040.18	90.75	464.81	482.00	500.11	175.47	704.37	5.65	3,463.35
50 mph	1,071.39	93.45	478.53	496.72	514.86	180.56	1,177.36	9.43	4,022.32
55 mph	890.48	77.66	397.81	413.15	428.78	150.36	282.42	2.26	2,642.94
60 mph	1,834.40	160.18	821.12	853.87	892.22	312.87	293.71	2.35	5,170.71
65 mph	234.87	20.55	105.37	109.79	114.92	40.28	-	-	625.77
70 mph	-	-	-	-	-	-	-	-	-
total	24,589.37	2,145.64	10,990.27	11,385.03	11,857.08	4,159.16	10,477.70	84.38	75,688.63

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	184.62	16.10	82.48	178.13	230.88	81.03	-	-	773.24
15 mph	150.89	13.16	67.38	145.40	188.59	66.14	-	-	631.57
20 mph	125.50	10.95	56.04	120.95	156.81	55.00	926.04	7.48	1,458.78
25 mph	214.61	18.72	95.88	207.08	268.08	94.02	1,386.78	11.21	2,296.38
30 mph	380.93	33.24	170.26	368.18	475.96	166.95	2,112.40	17.05	3,724.97
35 mph	794.86	69.38	355.44	769.89	993.30	348.48	1,959.90	15.79	5,307.05
40 mph	855.77	74.70	382.66	829.07	1,068.50	374.88	1,738.43	13.99	5,338.00
45 mph	688.23	60.04	307.54	666.05	857.93	301.01	1,269.81	10.18	4,160.80
50 mph	797.49	69.56	356.20	772.19	993.64	348.46	653.08	5.23	3,995.84
55 mph	460.30	40.14	205.63	446.02	574.66	201.52	339.42	2.72	2,270.42
60 mph	284.47	24.84	127.33	276.54	358.73	125.79	24,709.33	197.73	26,104.76
65 mph	97.12	8.50	43.57	94.82	123.21	43.19	-	-	410.41
70 mph	4,523.76	396.64	2,023.37	4,469.07	5,752.95	2,008.83	-	-	19,174.63
total	9,558.55	835.97	4,273.80	9,343.40	12,043.24	4,215.30	35,095.20	281.39	75,646.86

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	411.05	146.33	564.65	9.28	1,131.32
15 mph	3,014.67	262.92	1,346.23	489.53	554.20	194.36	515.46	4.15	6,381.54
25 mph	-	-	-	-	748.06	262.37	1,602.81	12.96	2,626.20
35 mph	7,591.86	662.66	3,394.88	1,138.74	-	-	-	-	12,788.14
total	10,606.53	925.58	4,741.11	1,628.27	1,713.32	603.06	2,682.92	26.39	22,927.19

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	411.05	146.33	564.65	9.28	1,131.32
10 mph	2,416.85	210.82	1,079.76	1,209.41	1,307.58	458.89	1,134.21	9.11	7,826.63
15 mph	3,895.36	339.73	1,739.51	971.64	1,094.60	383.87	824.77	6.64	9,256.12
20 mph	1,339.50	116.82	598.16	681.12	741.81	260.21	1,439.73	11.64	5,188.98
25 mph	5,404.31	471.49	2,414.40	2,604.83	3,516.44	1,233.34	5,407.25	43.71	21,095.77
30 mph	5,447.33	475.36	2,434.81	2,712.90	2,917.50	1,023.35	4,065.34	32.82	19,109.41
35 mph	12,230.98	1,067.59	5,469.37	3,691.53	2,846.19	998.53	2,775.28	22.36	29,101.82
40 mph	2,097.43	183.07	937.87	1,405.04	1,666.44	584.67	2,615.09	21.05	9,510.67
45 mph	1,728.41	150.79	772.35	1,148.06	1,358.04	476.47	1,974.18	15.83	7,624.14
50 mph	1,868.88	163.01	834.73	1,268.91	1,508.50	529.02	1,830.44	14.66	8,018.16
55 mph	1,350.78	117.81	603.45	859.17	1,003.44	351.88	621.83	4.98	4,913.35
60 mph	2,118.87	185.01	948.45	1,130.41	1,250.96	438.66	25,003.04	200.08	31,275.48
65 mph	331.99	29.04	148.95	204.61	238.13	83.46	-	-	1,036.19
70 mph	4,523.76	396.64	2,023.37	4,469.07	5,752.95	2,008.83	-	-	19,174.63
total	44,754.46	3,907.19	20,005.18	22,356.71	25,613.64	8,977.53	48,255.82	392.16	174,262.68

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	19.35	0.13	7.43	25.92	549.13	432.17	3,547.09	9,907.60	14,488.82
15 mph	6.37	0.04	2.47	8.78	142.88	114.64	930.12	2,565.12	3,770.43
20 mph	10.44	0.07	4.05	14.59	243.89	195.80	1,588.87	4,359.35	6,417.06
25 mph	43.79	0.29	16.99	61.79	1,081.45	872.42	7,626.19	20,302.90	30,005.82
30 mph	41.73	0.27	16.16	58.82	1,081.58	866.50	6,086.06	16,199.15	24,350.28
35 mph	30.88	0.20	11.93	43.78	886.87	710.46	2,446.00	6,516.99	10,647.12
40 mph	9.63	0.06	3.71	13.66	287.89	228.45	2,489.96	6,647.43	9,680.81
45 mph	7.76	0.05	2.98	10.95	234.12	183.08	1,887.77	5,049.28	7,375.99
50 mph	7.78	0.05	2.99	11.02	245.64	190.01	3,026.69	8,056.34	11,540.51
55 mph	6.51	0.04	2.50	9.30	205.13	157.16	718.67	1,936.23	3,035.55
60 mph	14.12	0.09	5.41	20.14	414.13	315.26	767.92	2,053.17	3,590.24
65 mph	1.99	0.01	0.76	2.83	52.59	39.63	-	-	97.81
70 mph	-	-	-	-	-	-	-	-	-
total	200.35	1.31	77.38	281.59	5,425.30	4,305.60	31,115.35	83,593.56	125,000.43

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	1.60	0.01	0.61	4.48	117.75	92.67	-	-	217.13
15 mph	1.32	0.01	0.51	3.79	76.60	61.46	-	-	143.68
20 mph	1.08	0.01	0.42	3.15	65.37	52.48	2,864.34	7,858.83	10,845.68
25 mph	1.81	0.01	0.70	5.34	115.95	93.54	4,374.41	11,645.81	16,237.57
30 mph	3.14	0.02	1.21	9.24	210.84	168.92	6,583.00	17,521.84	24,498.21
35 mph	6.39	0.04	2.47	18.90	475.44	380.87	5,879.39	15,664.71	22,428.20
40 mph	6.64	0.04	2.56	19.66	514.45	408.23	4,937.67	13,182.05	19,071.30
45 mph	5.13	0.03	1.97	15.13	401.62	314.08	3,403.18	9,102.61	13,243.76
50 mph	5.79	0.04	2.22	17.13	474.06	366.70	1,678.88	4,468.80	7,013.62
55 mph	3.37	0.02	1.29	10.04	274.92	210.63	863.73	2,327.03	3,691.03
60 mph	2.19	0.01	0.84	6.52	166.51	126.76	64,603.79	172,730.09	237,636.71
65 mph	0.82	0.01	0.31	2.45	56.38	42.49	-	-	102.46
70 mph	41.15	0.25	15.43	123.03	2,653.48	1,999.86	-	-	4,833.20
total	80.42	0.51	30.56	238.85	5,603.39	4,318.68	95,188.38	254,501.76	359,962.55

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	263.74	299.17	1,308.80	2,307.05	4,178.76
15 mph	26.30	0.17	10.19	12.77	225.09	180.60	1,550.05	4,274.76	6,279.93
25 mph	-	-	-	-	323.56	261.02	5,055.83	13,459.94	19,100.35
35 mph	60.99	0.40	23.56	27.96	-	-	-	-	112.91
total	87.29	0.57	33.75	40.73	812.39	740.79	7,914.68	20,041.75	29,671.95

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	263.74	299.17	1,308.80	2,307.05	4,178.76
10 mph	20.95	0.14	8.05	30.40	666.89	524.84	3,547.09	9,907.60	14,705.95
15 mph	33.98	0.23	13.16	25.35	444.57	356.70	2,480.17	6,839.88	10,194.04
20 mph	11.52	0.08	4.47	17.74	309.26	248.29	4,453.20	12,218.18	17,262.74
25 mph	45.60	0.30	17.69	67.13	1,520.96	1,226.98	17,056.43	45,408.64	65,343.73
30 mph	44.87	0.30	17.37	68.06	1,292.42	1,035.42	12,669.06	33,720.99	48,848.49
35 mph	98.26	0.64	37.96	90.64	1,362.30	1,091.33	8,325.39	22,181.70	33,188.23
40 mph	16.27	0.11	6.27	33.32	802.35	636.68	7,427.64	19,829.48	28,752.11
45 mph	12.89	0.08	4.95	26.08	635.74	497.16	5,290.95	14,151.89	20,619.75
50 mph	13.57	0.09	5.21	28.14	719.71	556.71	4,705.57	12,525.13	18,554.13
55 mph	9.88	0.06	3.79	19.34	480.06	367.79	1,582.40	4,263.26	6,726.58
60 mph	16.31	0.11	6.25	26.66	580.64	442.02	65,371.70	174,783.26	241,226.95
65 mph	2.81	0.02	1.07	5.28	108.97	82.12	-	-	200.27
70 mph	41.15	0.25	15.43	123.03	2,653.48	1,999.86	-	-	4,833.20
total	368.06	2.39	141.68	561.17	11,841.08	9,365.07	134,218.41	358,137.07	514,634.93

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1,002.22	1,002.22
15 mph								280.33	280.33
20 mph								489.37	489.37
25 mph								2,479.69	2,479.69
30 mph								2,131.01	2,131.01
35 mph								915.06	915.06
40 mph								976.77	976.77
45 mph								754.57	754.57
50 mph								1,188.90	1,188.90
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	10,217.92	10,217.92

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								882.21	882.21
25 mph								1,422.36	1,422.36
30 mph								2,305.01	2,305.01
35 mph								2,199.50	2,199.50
40 mph								1,936.97	1,936.97
45 mph								1,360.31	1,360.31
50 mph								659.47	659.47
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	6,809.08	6,809.08

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								140.87	140.87
15 mph								467.17	467.17
25 mph								1,643.92	1,643.92
35 mph								-	-
total	-	-	-	-	-	-	-	2,251.97	2,251.97

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								140.87	140.87
10 mph								1,002.22	1,002.22
15 mph								747.50	747.50
20 mph								1,371.58	1,371.58
25 mph								5,545.97	5,545.97
30 mph								4,436.02	4,436.02
35 mph								3,114.56	3,114.56
40 mph								2,913.74	2,913.74
45 mph								2,114.89	2,114.89
50 mph								1,848.37	1,848.37
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	23,235.72	23,235.72

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	674.80	445.50	1,873.45	2,457.20	5,450.95
10 mph	2,437.80	210.96	1,087.81	1,239.81	1,974.47	983.73	4,681.30	10,918.93	23,534.80
15 mph	3,929.34	339.95	1,752.68	996.98	1,539.17	740.57	3,304.94	7,594.03	20,197.66
20 mph	1,351.02	116.90	602.63	698.86	1,051.07	508.49	5,892.93	13,601.40	23,823.30
25 mph	5,449.91	471.79	2,432.09	2,671.96	5,037.40	2,460.32	22,463.68	50,998.32	91,985.47
30 mph	5,492.20	475.66	2,452.19	2,780.96	4,209.92	2,058.77	16,734.41	38,189.82	72,393.92
35 mph	12,329.24	1,068.23	5,507.32	3,782.17	4,208.49	2,089.86	11,100.67	25,318.62	65,404.61
40 mph	2,113.71	183.18	944.14	1,438.36	2,468.79	1,221.36	10,042.72	22,764.27	41,176.52
45 mph	1,741.30	150.87	777.31	1,174.14	1,993.79	973.63	7,265.14	16,282.61	30,358.78
50 mph	1,882.45	163.10	839.94	1,297.05	2,228.21	1,085.73	6,536.01	14,388.17	28,420.66
55 mph	1,360.66	117.87	607.24	878.51	1,483.50	719.67	2,204.23	4,268.24	11,639.93
60 mph	2,135.18	185.12	954.70	1,157.07	1,831.59	880.68	90,374.74	174,983.34	272,502.43
65 mph	334.80	29.06	150.02	209.90	347.10	165.58	-	-	1,236.45
70 mph	4,564.92	396.89	2,038.80	4,592.10	8,406.43	4,008.69	-	-	24,007.83
STREX	194.07	17.01	88.83	275.54	24.61	8.55	23.61	0.20	632.41
total	45,316.59	3,926.59	20,235.69	23,193.42	37,479.33	18,351.15	182,497.84	381,765.15	**712,765.74**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	47.59	55.93	58.86	72.87	17.78	20.26	35.08	42.93
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	194.07	17.01	88.83	275.54	24.61	8.55	23.61	0.20
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	194.07	17.01	88.83	275.54	24.61	8.55	23.61	0.20

World Logistics Center
Mobile Emissions - Medium EV 2029 (Net) - Mitigated

Pounds per day

PM2.5 Exhaust	Dust	Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
8.88	35.40	35.16	79.44	6.76	92.52	30.03	768,723.64

Tons per year

PM2.5 Exhaust	Dust	Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
1.62	6.46	6.42	14.50	1.23	16.89	5.48	140,292.06

World Logistics Center
Mobile Emissions - Medium EV 2029 (Net) - Mitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	2,256.73	23.34	125.11	90,091.05	931.65	4,994.39
LDT1	168.28	0.07	9.23	6,717.84	2.83	368.49
LDT2	835.04	6.66	46.19	33,335.71	265.98	1,844.10
MDT	1,825.01	48.64	102.82	27,945.12	744.80	1,574.37
LHDT1	667.66	527.58	-	15,273.32	12,068.82	-
LHDT2	203.54	371.11	-	4,656.15	8,489.39	-
MHDT	326.22	1,671.46	-	14,458.15	74,079.19	-
HHDT	2.25	3,134.52	194.26	99.66	138,922.27	8,609.57

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	63,734.90	659.09	3,533.28	26,356.15	272.55	1,461.11
LDT1	4,752.54	2.01	260.69	1,965.31	0.83	107.80
LDT2	23,583.34	188.16	1,304.61	9,752.37	77.81	539.49
MDT	14,994.84	399.65	844.78	12,950.28	345.15	729.59
LHDT1	7,370.68	5,824.24	-	7,902.64	6,244.59	-
LHDT2	2,246.99	4,096.85	-	2,409.16	4,392.54	-
MHDT	3,139.32	16,084.92	-	11,318.83	57,994.27	-
HHDT	21.64	30,164.38	1,869.41	78.02	108,757.88	6,740.16

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	3,186.74	237.63	1,179.17	749.74	368.53	112.35	188.36	1.30	6,023.82
15 mph	1,274.70	95.05	471.67	299.90	147.41	44.94	62.79	0.43	2,396.88
20 mph	2,549.40	190.10	943.33	599.79	294.83	89.88	125.57	0.87	4,793.77
25 mph	12,746.98	950.51	4,716.67	2,998.97	1,474.14	449.40	690.65	4.76	24,032.07
30 mph	14,021.68	1,045.56	5,188.34	3,298.87	1,621.55	494.34	627.86	4.33	26,302.51
35 mph	11,472.28	855.46	4,245.00	2,699.07	1,326.72	404.46	282.54	1.95	21,287.48
40 mph	3,824.09	285.15	1,415.00	899.69	442.24	134.82	313.93	2.16	7,317.09
45 mph	3,186.74	237.63	1,179.17	749.74	368.53	112.35	251.15	1.73	6,087.04
50 mph	3,186.74	237.63	1,179.17	749.74	368.53	112.35	408.11	2.81	6,245.09
55 mph	2,549.40	190.10	943.33	599.79	294.83	89.88	94.18	0.65	4,762.16
60 mph	5,098.79	380.20	1,886.67	1,199.59	589.65	179.76	94.18	0.65	9,429.49
65 mph	637.35	47.53	235.83	149.95	73.71	22.47	-	-	1,166.83
70 mph	-	-	-	-	-	-	-	-	-
total	63,734.90	4,752.54	23,583.34	14,994.84	7,370.68	2,246.99	3,139.32	21.64	119,844.25

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	263.56	19.65	97.52	129.50	79.03	24.09	-	-	613.36
15 mph	263.56	19.65	97.52	129.50	79.03	24.09	-	-	613.36
20 mph	263.56	19.65	97.52	129.50	79.03	24.09	226.38	1.56	841.30
25 mph	527.12	39.31	195.05	259.01	158.05	48.18	396.16	2.73	1,625.61
30 mph	1,054.25	78.61	390.09	518.01	316.11	96.37	679.13	4.68	3,137.25
35 mph	2,372.05	176.88	877.71	1,165.53	711.24	216.82	679.13	4.68	6,204.04
40 mph	2,635.61	196.53	975.24	1,295.03	790.26	240.92	622.54	4.29	6,760.42
45 mph	2,108.49	157.22	780.19	1,036.02	632.21	192.73	452.75	3.12	5,362.75
50 mph	2,372.05	176.88	877.71	1,165.53	711.24	216.82	226.38	1.56	5,748.17
55 mph	1,317.81	98.27	487.62	647.51	395.13	120.46	113.19	0.78	3,180.76
60 mph	790.68	58.96	292.57	388.51	237.08	72.27	7,923.18	54.62	9,817.88
65 mph	263.56	19.65	97.52	129.50	79.03	24.09	-	-	613.36
70 mph	12,123.83	904.04	4,486.09	5,957.13	3,635.22	1,108.21	-	-	28,214.52
total	26,356.15	1,965.31	9,752.37	12,950.28	7,902.64	2,409.16	11,318.83	78.02	72,732.76

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	45.92	14.00	21.27	0.21	81.39
15 mph	3,989.29	297.47	1,476.13	435.62	230.54	70.28	103.67	0.71	6,603.71
25 mph	-	-	-	-	437.83	133.48	453.66	3.13	1,028.10
35 mph	17,164.45	1,279.91	6,351.23	1,722.34	-	-	-	-	26,517.92
total	21,153.74	1,577.38	7,827.36	2,157.95	668.37	203.76	557.33	3.84	34,149.73

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	45.92	14.00	21.27	0.21	81.39
10 mph	3,450.31	257.28	1,276.69	879.24	447.56	136.44	188.36	1.30	6,637.18
15 mph	5,527.55	412.17	2,045.32	865.02	456.98	139.31	166.46	1.15	9,613.95
20 mph	2,812.96	209.75	1,040.86	729.30	373.85	113.97	351.95	2.43	5,635.07
25 mph	13,274.10	989.81	4,911.72	3,257.97	2,070.02	631.06	1,540.47	10.62	26,685.77
30 mph	15,075.92	1,124.17	5,578.43	3,816.88	1,937.66	590.70	1,306.99	9.01	29,439.76
35 mph	31,008.78	2,312.24	11,473.95	5,586.94	2,037.96	621.28	961.67	6.63	54,009.44
40 mph	6,459.71	481.68	2,390.24	2,194.72	1,232.50	375.74	936.47	6.46	14,077.51
45 mph	5,295.24	394.85	1,959.36	1,785.76	1,000.75	305.08	703.90	4.85	11,449.79
50 mph	5,558.80	414.50	2,056.88	1,915.27	1,079.77	329.17	634.49	4.37	11,993.26
55 mph	3,867.20	288.37	1,430.95	1,247.31	689.96	210.34	207.37	1.43	7,942.92
60 mph	5,889.48	439.16	2,179.24	1,588.10	826.73	252.03	8,017.36	55.27	19,247.37
65 mph	900.91	67.18	333.36	279.45	152.73	46.56	-	-	1,780.19
70 mph	12,123.83	904.04	4,486.09	5,957.13	3,635.22	1,108.21	-	-	28,214.52
total	111,244.78	8,295.22	41,163.07	30,103.07	15,941.69	4,859.91	15,015.48	103.51	226,726.73

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	32.95	0.10	9.41	19.98	291.21	204.84	965.10	1,809.86	3,333.46
15 mph	13.18	0.04	3.76	7.99	116.48	81.94	321.70	603.29	1,148.39
20 mph	26.36	0.08	7.53	15.99	232.97	163.87	643.40	1,206.58	2,296.77
25 mph	131.82	0.40	37.63	79.93	1,164.85	819.37	3,538.68	6,636.16	12,408.85
30 mph	145.00	0.44	41.40	87.92	1,281.33	901.31	3,216.98	6,032.88	11,707.26
35 mph	118.64	0.36	33.87	71.94	1,048.36	737.43	1,447.64	2,714.79	6,173.04
40 mph	39.55	0.12	11.29	23.98	349.45	245.81	1,608.49	3,016.44	5,295.13
45 mph	32.95	0.10	9.41	19.98	291.21	204.84	1,286.79	2,413.15	4,258.44
50 mph	32.95	0.10	9.41	19.98	291.21	204.84	2,091.04	3,921.37	6,570.91
55 mph	26.36	0.08	7.53	15.99	232.97	163.87	482.55	904.93	1,834.28
60 mph	52.73	0.16	15.05	31.97	465.94	327.75	482.55	904.93	2,281.08
65 mph	6.59	0.02	1.88	4.00	58.24	40.97	-	-	111.70
70 mph	-	-	-	-	-	-	-	-	-
total	659.09	2.01	188.16	399.65	5,824.24	4,096.85	16,084.92	30,164.38	57,419.30

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	2.73	0.01	0.78	3.45	62.45	43.93	-	-	113.33
15 mph	2.73	0.01	0.78	3.45	62.45	43.93	-	-	113.33
20 mph	2.73	0.01	0.78	3.45	62.45	43.93	1,159.89	2,175.16	3,448.38
25 mph	5.45	0.02	1.56	6.90	124.89	87.85	2,029.80	3,806.53	6,062.99
30 mph	10.90	0.03	3.11	13.81	249.78	175.70	3,479.66	6,525.47	10,458.47
35 mph	24.53	0.07	7.00	31.06	562.01	395.33	3,479.66	6,525.47	11,025.14
40 mph	27.26	0.08	7.78	34.52	624.46	439.25	3,189.69	5,981.68	10,304.72
45 mph	21.80	0.07	6.22	27.61	499.57	351.40	2,319.77	4,350.32	7,576.76
50 mph	24.53	0.07	7.00	31.06	562.01	395.33	1,159.89	2,175.16	4,355.06
55 mph	13.63	0.04	3.89	17.26	312.23	219.63	579.94	1,087.58	2,234.20
60 mph	8.18	0.02	2.33	10.35	187.34	131.78	40,595.99	76,130.52	117,066.51
65 mph	2.73	0.01	0.78	3.45	62.45	43.93	-	-	113.33
70 mph	125.37	0.38	35.79	158.77	2,872.51	2,020.57	-	-	5,213.40
total	272.55	0.83	77.81	345.15	6,244.59	4,392.54	57,994.27	108,757.88	178,085.63

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	36.28	25.52	108.97	204.35	375.12
15 mph	41.25	0.13	11.78	11.61	182.17	128.14	531.18	996.13	1,902.39
25 mph	-	-	-	-	345.97	243.36	2,324.43	4,359.04	7,272.80
35 mph	177.50	0.54	50.67	45.90	-	-	-	-	274.62
total	218.75	0.67	62.45	57.51	528.14	371.50	2,855.61	5,355.18	9,449.81

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	36.28	25.52	108.97	204.35	375.12
10 mph	35.68	0.11	10.19	23.43	353.66	248.77	965.10	1,809.86	3,446.79
15 mph	57.16	0.17	16.32	23.05	361.10	254.00	852.88	1,599.42	3,164.11
20 mph	29.09	0.09	8.30	19.44	295.42	207.80	1,803.28	3,381.73	5,745.15
25 mph	137.27	0.42	39.19	86.83	1,635.71	1,150.58	7,892.91	14,801.73	25,744.64
30 mph	155.90	0.47	44.51	101.73	1,531.12	1,077.01	6,696.64	12,558.35	22,165.73
35 mph	320.67	0.98	91.55	148.90	1,610.38	1,132.76	4,927.30	9,240.27	17,472.80
40 mph	66.80	0.20	19.07	58.49	973.91	685.06	4,798.18	8,998.12	15,599.85
45 mph	54.76	0.17	15.63	47.59	790.78	556.25	3,606.56	6,763.47	11,835.21
50 mph	57.48	0.17	16.41	51.05	853.22	600.17	3,250.92	6,096.53	10,925.96
55 mph	39.99	0.12	11.42	33.24	545.20	383.50	1,062.49	1,992.51	4,068.47
60 mph	60.90	0.19	17.39	42.33	653.28	459.52	41,078.54	77,035.45	119,347.59
65 mph	9.32	0.03	2.66	7.45	120.69	84.89	-	-	225.03
70 mph	125.37	0.38	35.79	158.77	2,872.51	2,020.57	-	-	5,213.40
total	1,150.40	3.50	328.43	802.31	12,596.96	8,860.89	76,934.80	144,277.45	244,954.74

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	176.66	13.03	65.23	42.24	-	-	-	112.16	409.33
15 mph	70.67	5.21	26.09	16.90	-	-	-	37.39	156.26
20 mph	141.33	10.43	52.18	33.79	-	-	-	74.78	312.51
25 mph	706.66	52.14	260.92	168.96	-	-	-	411.27	1,599.94
30 mph	777.32	57.35	287.01	185.85	-	-	-	373.88	1,681.42
35 mph	635.99	46.92	234.83	152.06	-	-	-	168.25	1,238.05
40 mph	212.00	15.64	78.28	50.69	-	-	-	186.94	543.54
45 mph	176.66	13.03	65.23	42.24	-	-	-	149.55	446.72
50 mph	176.66	13.03	65.23	42.24	-	-	-	243.02	540.19
55 mph	141.33	10.43	52.18	33.79	-	-	-	56.08	293.82
60 mph	282.66	20.86	104.37	67.58	-	-	-	56.08	531.55
65 mph	35.33	2.61	13.05	8.45	-	-	-	-	59.43
70 mph	-	-	-	-	-	-	-	-	-
total	3,533.28	260.69	1,304.61	844.78	-	-	-	1,869.41	7,812.76

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	14.61	1.08	5.39	7.30	-	-	-	-	28.38
15 mph	14.61	1.08	5.39	7.30	-	-	-	-	28.38
20 mph	14.61	1.08	5.39	7.30	-	-	-	134.80	163.18
25 mph	29.22	2.16	10.79	14.59	-	-	-	235.91	292.67
30 mph	58.44	4.31	21.58	29.18	-	-	-	404.41	517.93
35 mph	131.50	9.70	48.55	65.66	-	-	-	404.41	659.83
40 mph	146.11	10.78	53.95	72.96	-	-	-	370.71	654.51
45 mph	116.89	8.62	43.16	58.37	-	-	-	269.61	496.65
50 mph	131.50	9.70	48.55	65.66	-	-	-	134.80	390.22
55 mph	73.06	5.39	26.97	36.48	-	-	-	67.40	209.30
60 mph	43.83	3.23	16.18	21.89	-	-	-	4,718.11	4,803.25
65 mph	14.61	1.08	5.39	7.30	-	-	-	-	28.38
70 mph	672.11	49.59	248.17	335.61	-	-	-	-	1,305.48
total	1,461.11	107.80	539.49	729.59	-	-	-	6,740.16	9,578.16

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	12.66	12.66
15 mph	221.15	16.32	81.66	24.54	-	-	-	61.73	405.41
25 mph	-	-	-	-	-	-	-	270.15	270.15
35 mph	951.55	70.21	351.34	-	-	-	-	-	1,373.10
total	1,172.70	86.52	433.00	24.54	-	-	-	331.88	2,048.65

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	12.66	12.66
10 mph	191.27	14.11	70.63	49.53	-	-	-	112.16	437.71
15 mph	306.43	22.61	113.15	48.73	-	-	-	99.12	590.04
20 mph	155.94	11.51	57.58	41.09	-	-	-	209.58	475.69
25 mph	735.88	54.29	271.71	183.55	-	-	-	917.32	2,162.75
30 mph	835.77	61.66	308.59	215.04	-	-	-	778.29	2,199.35
35 mph	1,719.04	126.83	634.73	217.72	-	-	-	572.66	3,270.98
40 mph	358.11	26.42	132.23	123.65	-	-	-	557.65	1,198.05
45 mph	293.55	21.66	108.39	100.61	-	-	-	419.16	943.37
50 mph	308.16	22.74	113.78	107.90	-	-	-	377.83	930.41
55 mph	214.39	15.82	79.16	70.27	-	-	-	123.48	503.12
60 mph	326.50	24.09	120.55	89.47	-	-	-	4,774.20	5,334.81
65 mph	49.94	3.68	18.44	15.74	-	-	-	-	87.81
70 mph	672.11	49.59	248.17	335.61	-	-	-	-	1,305.48
total	3,944.33	291.02	1,456.39	755.66	-	-	-	2,689.14	19,439.57

World Logistics Center
Mobile Emissions - Medium EV 2029 (Net) - Mitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	20049	330	0.21	4210.3	3949.3	40.8	218.9
	LDT1	15	1479	330	0.21	310.6	294.5	0.1	16.2
	LDT2	15	7403	330	0.21	1554.6	1461.3	11.7	80.8
	MDT	15	2230	330	0.21	468.4	432.3	11.5	24.4
	LHDT1	15	1960	330	0.21	411.5	229.9	181.6	0.0
	LHDT2	15	942	330	0.21	197.9	70.1	127.8	0.0
	MHDT	15	3000	330	0.21	630.0	102.9	527.1	0.0
	HHDT	15	5002	330	0.21	1050.5	0.7	988.5	61.3
Travel at Light Logistics	LDA	15	144	175	0.11	15.8	14.9	0.2	0.8
	LDT1	15	11	175	0.11	1.2	1.1	0.0	0.1
	LDT2	15	53	175	0.11	5.8	5.5	0.0	0.3
	MDT	15	13	175	0.11	1.5	1.4	0.0	0.1
	LHDT1	15	8	175	0.11	0.9	0.5	0.4	0.0
	LHDT2	15	4	175	0.11	0.4	0.1	0.3	0.0
	MHDT	15	10	175	0.11	1.1	0.2	0.9	0.0
	HHDT	15	16	175	0.11	1.8	0.0	1.7	0.1
Travel at Utility	LDA	15	163	100	0.06	9.8	9.2	0.1	0.5
	LDT1	15	12	100	0.06	0.7	0.7	0.0	0.0
	LDT2	15	60	100	0.06	3.6	3.4	0.0	0.2
	MDT	15	35	100	0.06	2.1	1.9	0.1	0.1
	LHDT1	15	5	100	0.06	0.3	0.2	0.1	0.0
	LHDT2	15	3	100	0.06	0.2	0.1	0.1	0.0
	MHDT	15	10	100	0.06	0.6	0.1	0.5	0.0
	HHDT	15	17	100	0.06	1.0	0.0	1.0	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	106	50	0.03	3.2	0.5	2.7	0.0
	HHDT	15	176	50	0.03	5.3	0.0	5.0	0.3
Travel at Convenience Store	LDA	15	498	50	0.03	14.9	14.0	0.1	0.8
	LDT1	15	37	50	0.03	1.1	1.0	0.0	0.1
	LDT2	15	184	50	0.03	5.5	5.2	0.0	0.3
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	71	50	0.03	2.1	2.0	0.0	0.1
	LDT1	15	5	50	0.03	0.2	0.1	0.0	0.0
	LDT2	15	26	50	0.03	0.8	0.7	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	3989.3	297.5	1476.1	435.6	230.5	70.3	103.7	0.7
Diesel	41.3	0.1	11.8	11.6	182.2	128.1	531.2	996.1
Electric/Natural Gas (HHDT Only)	221.2	16.3	81.7	24.5	0.0	0.0	0.0	61.7

World Logistics Center
Mobile Emissions - Medium EV 2029 (Net) - Mitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	980	547	432	0	2736.6	2162.4	0.0
	LHDT2	5	471	167	304	0	834.3	1521.1	0.0
	MHDT	5	1500	245	1255	0	1224.8	6275.3	0.0
	HHDT	5	2501	2	2354	146	8.4	11768.2	729.3
Travel at Light Logistics	LHDT1	5	4	2	2	0	11.0	8.7	0.0
	LHDT2	5	2	1	1	0	3.3	6.1	0.0
	MHDT	5	5	1	4	0	4.0	20.3	0.0
	HHDT	5	8	0	8	0	0.0	38.1	2.4
Travel at Utility	LHDT1	5	3	1	1	0	7.4	5.8	0.0
	LHDT2	5	1	0	1	0	2.3	4.1	0.0
	MHDT	5	5	1	4	0	4.1	21.1	0.0
	HHDT	5	8	0	8	0	0.0	39.6	2.5
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	53	9	44	0	43.2	221.2	0.0
	HHDT	5	88	0	83	5	0.3	414.9	25.7
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	45.9	14.0	21.3	0.2
Diesel	36.3	25.5	109.0	204.3
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	12.7

World Logistics Center
Mobile Emissions - Medium EV 2029 (Net) - Mitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0354	0.0334	0.0325	0.0352
10 mph	0.0042	0.0053	0.0044	0.0045	0.0045	0.0042	0.0041	0.0045
15 mph	0.0028	0.0036	0.0029	0.0030	0.0030	0.0028	0.0027	0.0030
20 mph	0.0019	0.0025	0.0021	0.0021	0.0021	0.0020	0.0019	0.0021
25 mph	0.0014	0.0019	0.0015	0.0016	0.0016	0.0015	0.0014	0.0016
30 mph	0.0011	0.0015	0.0012	0.0012	0.0012	0.0011	0.0011	0.0012
35 mph	0.0009	0.0012	0.0010	0.0010	0.0010	0.0009	0.0009	0.0010
40 mph	0.0008	0.0010	0.0008	0.0009	0.0009	0.0008	0.0008	0.0009
45 mph	0.0007	0.0010	0.0008	0.0008	0.0008	0.0007	0.0007	0.0008
50 mph	0.0007	0.0009	0.0007	0.0008	0.0008	0.0007	0.0007	0.0008
55 mph	0.0007	0.0009	0.0008	0.0008	0.0008	0.0007	0.0007	0.0008
60 mph	0.0008	0.0010	0.0008	0.0008	0.0008	0.0008	0.0008	0.0009
65 mph	0.0009	0.0011	0.0009	0.0009	0.0010	0.0009		
70 mph	0.0010	0.0012	0.0010	0.0010	0.0010	0.0009		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7600	0.7692	0.0070	0.0096
10 mph	0.0077	0.1838	0.0088	0.0058	0.0228	0.0307	0.0040	0.0105
15 mph	0.0063	0.1338	0.0076	0.0048	0.0175	0.0247	0.0032	0.0081
20 mph	0.0051	0.1025	0.0064	0.0040	0.0146	0.0206	0.0027	0.0058
25 mph	0.0041	0.0821	0.0054	0.0033	0.0121	0.0173	0.0026	0.0061
30 mph	0.0035	0.0689	0.0048	0.0029	0.0107	0.0152	0.0028	0.0066
35 mph	0.0031	0.0606	0.0043	0.0027	0.0097	0.0137	0.0034	0.0080
40 mph	0.0028	0.0555	0.0040	0.0024	0.0090	0.0126	0.0043	0.0103
45 mph	0.0026	0.0529	0.0037	0.0023	0.0085	0.0118	0.0056	0.0134
50 mph	0.0025	0.0529	0.0035	0.0022	0.0082	0.0113	0.0073	0.0172
55 mph	0.0025	0.0554	0.0033	0.0021	0.0080	0.0109	0.0093	0.0226
60 mph	0.0026	0.0604	0.0032	0.0021	0.0081	0.0110	0.0116	0.0278
65 mph	0.0027	0.0693	0.0033	0.0022	0.0090	0.0118		
70 mph	0.0027	0.0816	0.0034	0.0024	0.0136	0.0150		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0358
10 mph								0.0064
15 mph								0.0053
20 mph								0.0045
25 mph								0.0041
30 mph								0.0038
35 mph								0.0036
40 mph								0.0034
45 mph								0.0034
50 mph								0.0034
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0294	0.0028	0.0115	0.0074	0.0037	0.0010	0.0017	0.0000	0.0575
15 mph	0.0078	0.0007	0.0031	0.0020	0.0010	0.0003	0.0004	0.0000	0.0152
20 mph	0.0109	0.0011	0.0043	0.0028	0.0014	0.0004	0.0005	0.0000	0.0214
25 mph	0.0404	0.0039	0.0159	0.0103	0.0051	0.0014	0.0022	0.0000	0.0792
30 mph	0.0346	0.0034	0.0136	0.0088	0.0043	0.0012	0.0015	0.0000	0.0675
35 mph	0.0233	0.0023	0.0091	0.0059	0.0029	0.0008	0.0006	0.0000	0.0449
40 mph	0.0067	0.0007	0.0026	0.0017	0.0008	0.0002	0.0005	0.0000	0.0134
45 mph	0.0051	0.0005	0.0020	0.0013	0.0006	0.0002	0.0004	0.0000	0.0102
50 mph	0.0050	0.0005	0.0019	0.0013	0.0006	0.0002	0.0006	0.0000	0.0101
55 mph	0.0040	0.0004	0.0016	0.0010	0.0005	0.0001	0.0001	0.0000	0.0078
60 mph	0.0087	0.0008	0.0034	0.0022	0.0011	0.0003	0.0002	0.0000	0.0167
65 mph	0.0012	0.0001	0.0005	0.0003	0.0002	0.0000	-	-	0.0023
70 mph	-	-	-	-	-	-	-	-	-
total	0.1772	0.0171	0.0694	0.0450	0.0222	0.0063	0.0088	0.0001	0.3462

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0024	0.0002	0.0010	0.0013	0.0008	0.0002	-	-	0.0059
15 mph	0.0016	0.0002	0.0006	0.0009	0.0005	0.0001	-	-	0.0039
20 mph	0.0011	0.0001	0.0004	0.0006	0.0004	0.0001	0.0010	0.0000	0.0037
25 mph	0.0017	0.0002	0.0007	0.0009	0.0005	0.0002	0.0012	0.0000	0.0053
30 mph	0.0026	0.0003	0.0010	0.0014	0.0008	0.0002	0.0017	0.0000	0.0080
35 mph	0.0048	0.0005	0.0019	0.0026	0.0016	0.0004	0.0014	0.0000	0.0131
40 mph	0.0046	0.0005	0.0018	0.0025	0.0015	0.0004	0.0011	0.0000	0.0124
45 mph	0.0034	0.0003	0.0013	0.0018	0.0011	0.0003	0.0007	0.0000	0.0090
50 mph	0.0037	0.0004	0.0014	0.0020	0.0012	0.0003	0.0003	0.0000	0.0093
55 mph	0.0021	0.0002	0.0008	0.0011	0.0007	0.0002	0.0002	0.0000	0.0053
60 mph	0.0013	0.0001	0.0005	0.0007	0.0004	0.0001	0.0134	0.0001	0.0167
65 mph	0.0005	0.0000	0.0002	0.0003	0.0002	0.0000	-	-	0.0012
70 mph	0.0256	0.0024	0.0098	0.0132	0.0083	0.0023	-	-	0.0617
total	0.0555	0.0053	0.0215	0.0291	0.0181	0.0051	0.0209	0.0002	0.1557

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0036	0.0010	0.0015	0.0000	0.0062
15 mph	0.0244	0.0023	0.0096	0.0029	0.0015	0.0004	0.0006	0.0000	0.0418
25 mph	-	-	-	-	0.0015	0.0004	0.0014	0.0000	0.0034
35 mph	0.0349	0.0034	0.0136	0.0038	-	-	-	-	0.0557
total	0.0593	0.0057	0.0232	0.0067	0.0066	0.0019	0.0036	0.0000	0.1070

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0036	0.0010	0.0015	0.0000	0.0062
10 mph	0.0318	0.0030	0.0124	0.0087	0.0044	0.0013	0.0017	0.0000	0.0634
15 mph	0.0338	0.0032	0.0133	0.0057	0.0030	0.0009	0.0010	0.0000	0.0609
20 mph	0.0121	0.0012	0.0047	0.0034	0.0017	0.0005	0.0015	0.0000	0.0251
25 mph	0.0421	0.0041	0.0165	0.0112	0.0071	0.0020	0.0048	0.0000	0.0878
30 mph	0.0372	0.0036	0.0146	0.0102	0.0052	0.0015	0.0032	0.0000	0.0755
35 mph	0.0630	0.0061	0.0247	0.0122	0.0045	0.0013	0.0019	0.0000	0.1137
40 mph	0.0114	0.0011	0.0045	0.0042	0.0024	0.0007	0.0016	0.0000	0.0258
45 mph	0.0085	0.0008	0.0033	0.0031	0.0018	0.0005	0.0011	0.0000	0.0192
50 mph	0.0087	0.0008	0.0034	0.0032	0.0018	0.0005	0.0010	0.0000	0.0194
55 mph	0.0061	0.0006	0.0024	0.0021	0.0012	0.0003	0.0003	0.0000	0.0131
60 mph	0.0100	0.0010	0.0039	0.0029	0.0015	0.0004	0.0135	0.0001	0.0334
65 mph	0.0017	0.0002	0.0007	0.0006	0.0003	0.0001	-	-	0.0036
70 mph	0.0256	0.0024	0.0098	0.0132	0.0083	0.0023	-	-	0.0617
total	0.2920	0.0282	0.1142	0.0808	0.0469	0.0133	0.0332	0.0003	0.6088

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0002	0.0003	0.0147	0.0138	0.0085	0.0417	0.0797
15 mph	0.0002	0.0000	0.0001	0.0001	0.0045	0.0045	0.0022	0.0107	0.0223
20 mph	0.0003	0.0000	0.0001	0.0001	0.0075	0.0074	0.0038	0.0154	0.0347
25 mph	0.0012	0.0001	0.0005	0.0006	0.0312	0.0312	0.0200	0.0886	0.1733
30 mph	0.0011	0.0001	0.0004	0.0006	0.0301	0.0301	0.0198	0.0878	0.1701
35 mph	0.0008	0.0000	0.0003	0.0004	0.0225	0.0223	0.0108	0.0479	0.1050
40 mph	0.0002	0.0000	0.0001	0.0001	0.0070	0.0069	0.0153	0.0684	0.0980
45 mph	0.0002	0.0000	0.0001	0.0001	0.0055	0.0053	0.0159	0.0714	0.0985
50 mph	0.0002	0.0000	0.0001	0.0001	0.0053	0.0051	0.0335	0.1489	0.1932
55 mph	0.0001	0.0000	0.0001	0.0001	0.0041	0.0040	0.0099	0.0450	0.0633
60 mph	0.0003	0.0000	0.0001	0.0001	0.0083	0.0079	0.0124	0.0555	0.0848
65 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0011	-	-	0.0023
70 mph	-	-	-	-	-	-	-	-	-
total	0.0053	0.0003	0.0020	0.0026	0.1418	0.1397	0.1522	0.6813	1.1252

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0031	0.0030	-	-	0.0062
15 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0024	-	-	0.0049
20 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0020	0.0069	0.0278	0.0387
25 mph	0.0000	0.0000	0.0000	0.0001	0.0033	0.0033	0.0115	0.0508	0.0691
30 mph	0.0001	0.0000	0.0000	0.0001	0.0059	0.0059	0.0214	0.0950	0.1284
35 mph	0.0002	0.0000	0.0001	0.0002	0.0121	0.0120	0.0260	0.1150	0.1654
40 mph	0.0002	0.0000	0.0001	0.0002	0.0124	0.0122	0.0304	0.1355	0.1911
45 mph	0.0001	0.0000	0.0001	0.0001	0.0094	0.0092	0.0287	0.1287	0.1763
50 mph	0.0001	0.0000	0.0001	0.0001	0.0102	0.0099	0.0186	0.0826	0.1216
55 mph	0.0001	0.0000	0.0000	0.0001	0.0055	0.0053	0.0119	0.0541	0.0770
60 mph	0.0000	0.0000	0.0000	0.0000	0.0034	0.0032	1.0425	4.6732	5.7224
65 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0011	-	-	0.0024
70 mph	0.0008	0.0001	0.0003	0.0008	0.0859	0.0669	-	-	0.1547
total	0.0017	0.0001	0.0006	0.0019	0.1568	0.1363	1.1978	5.3628	6.8582

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0608	0.0433	0.0017	0.0043	0.1101
15 mph	0.0006	0.0000	0.0002	0.0001	0.0070	0.0070	0.0037	0.0177	0.0364
25 mph	-	-	-	-	0.0093	0.0093	0.0131	0.0582	0.0898
35 mph	0.0012	0.0001	0.0005	0.0003	-	-	-	-	0.0020
total	0.0018	0.0001	0.0007	0.0004	0.0771	0.0595	0.0185	0.0803	0.2384

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0608	0.0433	0.0017	0.0043	0.1101
10 mph	0.0006	0.0000	0.0002	0.0003	0.0178	0.0168	0.0085	0.0417	0.0860
15 mph	0.0008	0.0001	0.0003	0.0002	0.0140	0.0138	0.0059	0.0285	0.0636
20 mph	0.0003	0.0000	0.0001	0.0002	0.0095	0.0094	0.0107	0.0432	0.0734
25 mph	0.0013	0.0001	0.0005	0.0006	0.0438	0.0438	0.0446	0.1976	0.3322
30 mph	0.0012	0.0001	0.0005	0.0007	0.0360	0.0360	0.0413	0.1828	0.2985
35 mph	0.0022	0.0001	0.0009	0.0009	0.0345	0.0343	0.0368	0.1629	0.2725
40 mph	0.0004	0.0000	0.0002	0.0003	0.0194	0.0191	0.0457	0.2039	0.2890
45 mph	0.0003	0.0000	0.0001	0.0002	0.0148	0.0145	0.0447	0.2001	0.2748
50 mph	0.0003	0.0000	0.0001	0.0002	0.0155	0.0150	0.0521	0.2314	0.3148
55 mph	0.0002	0.0000	0.0001	0.0002	0.0096	0.0093	0.0218	0.0992	0.1403
60 mph	0.0003	0.0000	0.0001	0.0002	0.0117	0.0111	1.0549	4.7288	5.8072
65 mph	0.0001	0.0000	0.0000	0.0000	0.0024	0.0022	-	-	0.0047
70 mph	0.0008	0.0001	0.0003	0.0008	0.0859	0.0669	-	-	0.1547
total	0.0088	0.0006	0.0033	0.0049	0.3757	0.3355	1.3685	6.1244	8.2217

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0016	0.0016
15 mph								0.0004	0.0004
20 mph								0.0007	0.0007
25 mph								0.0037	0.0037
30 mph								0.0031	0.0031
35 mph								0.0013	0.0013
40 mph								0.0014	0.0014
45 mph								0.0011	0.0011
50 mph								0.0018	0.0018
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0153	0.0153

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0013	0.0013
25 mph								0.0021	0.0021
30 mph								0.0034	0.0034
35 mph								0.0032	0.0032
40 mph								0.0028	0.0028
45 mph								0.0020	0.0020
50 mph								0.0010	0.0010
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0100	0.0100

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0007	0.0007
25 mph								0.0024	0.0024
35 mph								-	-
total	-	-	-	-	-	-	-	0.0041	0.0041

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0016	0.0016
15 mph								0.0012	0.0012
20 mph								0.0021	0.0021
25 mph								0.0082	0.0082
30 mph								0.0065	0.0065
35 mph								0.0045	0.0045
40 mph								0.0042	0.0042
45 mph								0.0031	0.0031
50 mph								0.0029	0.0029
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0353	0.0353

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0644	0.0443	0.0032	0.0054	0.1173
10 mph	0.0324	0.0031	0.0126	0.0090	0.0222	0.0181	0.0102	0.0433	0.1510
15 mph	0.0346	0.0033	0.0135	0.0060	0.0170	0.0147	0.0069	0.0297	0.1257
20 mph	0.0124	0.0012	0.0049	0.0036	0.0112	0.0099	0.0122	0.0453	0.1006
25 mph	0.0433	0.0042	0.0170	0.0118	0.0509	0.0458	0.0494	0.2058	0.4283
30 mph	0.0384	0.0037	0.0151	0.0109	0.0412	0.0375	0.0444	0.1893	0.3805
35 mph	0.0652	0.0062	0.0255	0.0131	0.0390	0.0355	0.0387	0.1674	0.3907
40 mph	0.0118	0.0011	0.0046	0.0045	0.0217	0.0198	0.0474	0.2081	0.3191
45 mph	0.0089	0.0008	0.0035	0.0033	0.0166	0.0150	0.0458	0.2033	0.2972
50 mph	0.0090	0.0009	0.0035	0.0035	0.0173	0.0155	0.0531	0.2343	0.3371
55 mph	0.0063	0.0006	0.0025	0.0023	0.0108	0.0096	0.0221	0.0992	0.1534
60 mph	0.0104	0.0010	0.0040	0.0031	0.0132	0.0116	1.0684	4.7289	5.8406
65 mph	0.0018	0.0002	0.0007	0.0006	0.0027	0.0023	-	-	0.0083
70 mph	0.0263	0.0025	0.0101	0.0141	0.0942	0.0692	-	-	0.2164
STREX	0.0065	0.0006	0.0025	0.0056	0.0005	0.0001	0.0003	0.0000	0.0160
total	0.3072	0.0294	0.1200	0.0913	0.4231	0.3489	1.4020	6.1599	**8.8818**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0013	0.0016	0.0013	0.0014	0.0003	0.0003	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0065	0.0006	0.0025	0.0056	0.0005	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0065	0.0006	0.0025	0.0056	0.0005	0.0001	0.0003	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.4945	0.1860	0.9230	0.5869	0.5649	0.1993	0.4074	0.0015
Diesel	0.0258	0.0001	0.0074	0.0156	0.4592	0.3724	2.0876	2.3213
Electric/NG	0.1383	0.0102	0.0511	0.0331	-	-	-	0.1462
Total	2.6586	0.1963	0.9814	0.6356	1.0242	0.5716	2.4950	2.4690

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.0315	0.0769	0.3817	0.5069	0.6057	0.2137	1.4690	0.0054
Diesel	0.0107	0.0000	0.0030	0.0135	0.4924	0.3992	7.5269	8.3695
Electric/NG	0.0572	0.0042	0.0211	0.0286	-	-	-	0.5270
Total	1.0994	0.0812	0.4059	0.5489	1.0981	0.6129	8.9959	8.9019

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.8279	0.0617	0.3064	0.0845	0.0512	0.0181	0.0723	0.0003
Diesel	0.0086	0.0000	0.0024	0.0023	0.0416	0.0338	0.3706	0.4121
Electric/NG	0.0459	0.0034	0.0169	0.0010	-	-	-	0.0259
Total	0.8824	0.0651	0.3257	0.0877	0.0929	0.0518	0.4430	0.4383

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	4.3540	0.3247	1.6111	1.1782	1.2219	0.4310	1.9488	0.0072	11.0768
Diesel	0.0450	0.0001	0.0129	0.0314	0.9933	0.8054	9.9851	11.1030	22.9761
Electric/NG	0.2414	0.0178	0.0891	0.0626	-	-	-	0.6991	1.1100
Total	4.6404	0.3426	1.7130	1.2722	2.2151	1.2364	11.9339	11.8093	**35.1629**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	18.1679
Internal	17.2285
Total	**35.3964**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0496	0.0341	0.0025	0.0041	0.0903
10 mph	0.0207	0.0020	0.0081	0.0058	0.0171	0.0139	0.0079	0.0333	0.1088
15 mph	0.0221	0.0021	0.0087	0.0038	0.0131	0.0113	0.0053	0.0228	0.0893
20 mph	0.0079	0.0008	0.0031	0.0023	0.0086	0.0076	0.0094	0.0349	0.0746
25 mph	0.0277	0.0027	0.0109	0.0076	0.0392	0.0353	0.0380	0.1585	0.3198
30 mph	0.0246	0.0024	0.0097	0.0069	0.0317	0.0289	0.0342	0.1458	0.2841
35 mph	0.0417	0.0040	0.0163	0.0084	0.0301	0.0274	0.0298	0.1289	0.2866
40 mph	0.0076	0.0007	0.0030	0.0029	0.0167	0.0152	0.0365	0.1603	0.2428
45 mph	0.0057	0.0005	0.0022	0.0021	0.0128	0.0116	0.0353	0.1565	0.2267
50 mph	0.0057	0.0005	0.0022	0.0022	0.0133	0.0119	0.0409	0.1804	0.2573
55 mph	0.0041	0.0004	0.0016	0.0015	0.0083	0.0074	0.0170	0.0764	0.1166
60 mph	0.0066	0.0006	0.0026	0.0020	0.0102	0.0089	0.8227	3.6412	4.4948
65 mph	0.0011	0.0001	0.0004	0.0004	0.0021	0.0018	-	-	0.0059
70 mph	0.0169	0.0016	0.0064	0.0090	0.0725	0.0533	-	-	0.1597
total	0.1925	0.0184	0.0752	0.0549	0.3254	0.2686	1.0794	4.7432	6.7574

World Logistics Center
Mobile Emissions - Medium EV 2029 (Net) - Mitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0052	0.0082	0.0069	0.0080	0.0105	0.0118	0.0195	0.2038
15 mph	0.0046	0.0071	0.0060	0.0070	0.0092	0.0103	0.0173	0.1800
20 mph	0.0041	0.0063	0.0054	0.0062	0.0084	0.0094	0.0156	0.1624
25 mph	0.0038	0.0057	0.0049	0.0057	0.0077	0.0085	0.0142	0.1486
30 mph	0.0035	0.0053	0.0045	0.0052	0.0073	0.0080	0.0130	0.1385
35 mph	0.0033	0.0050	0.0043	0.0050	0.0069	0.0075	0.0122	0.1311
40 mph	0.0031	0.0048	0.0041	0.0047	0.0067	0.0072	0.0117	0.1256
45 mph	0.0030	0.0046	0.0040	0.0046	0.0065	0.0070	0.0113	0.1222
50 mph	0.0030	0.0046	0.0039	0.0046	0.0065	0.0069	0.0111	0.1211
55 mph	0.0030	0.0047	0.0040	0.0046	0.0066	0.0070	0.0113	0.1225
60 mph	0.0032	0.0050	0.0042	0.0049	0.0069	0.0073	0.0117	0.1265
65 mph	0.0033	0.0053	0.0044	0.0051	0.0072	0.0077	0.0123	0.1325
70 mph	0.0035	0.0059	0.0046	0.0055	0.0080	0.0079	0.0122	0.1404

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0579	0.1240	0.0778	0.0969	0.1423	0.1592	0.2775	0.4103
15 mph	0.0476	0.1032	0.0645	0.0821	0.0926	0.1056	0.2183	0.3188
20 mph	0.0391	0.0847	0.0530	0.0682	0.0790	0.0902	0.1864	0.2715
25 mph	0.0327	0.0708	0.0445	0.0577	0.0701	0.0804	0.1627	0.2293
30 mph	0.0284	0.0609	0.0384	0.0499	0.0637	0.0725	0.1428	0.2013
35 mph	0.0257	0.0546	0.0347	0.0454	0.0638	0.0727	0.1276	0.1800
40 mph	0.0240	0.0508	0.0324	0.0425	0.0622	0.0701	0.1169	0.1652
45 mph	0.0232	0.0491	0.0312	0.0409	0.0607	0.0674	0.1108	0.1569
50 mph	0.0233	0.0491	0.0312	0.0411	0.0636	0.0700	0.1093	0.1541
55 mph	0.0243	0.0513	0.0327	0.0434	0.0664	0.0724	0.1125	0.1605
60 mph	0.0264	0.0556	0.0354	0.0470	0.0671	0.0726	0.1202	0.1702
65 mph	0.0297	0.0620	0.0397	0.0529	0.0681	0.0730	0.1325	0.1846
70 mph	0.0323	0.0646	0.0425	0.0578	0.0696	0.0746	0.1336	0.1873

*US EPA Emission Factors for Greenhouse Gas Inventories. (Idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.8951
15 mph								0.7511
20 mph								0.6556
25 mph								0.6041
30 mph								0.5711
35 mph								0.5451
40 mph								0.5237
45 mph								0.5057
50 mph								0.4904
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0367	0.0043	0.0180	0.0132	0.0085	0.0029	0.0081	0.0006	0.0922
15 mph	0.0129	0.0015	0.0063	0.0046	0.0030	0.0010	0.0024	0.0002	0.0318
20 mph	0.0231	0.0026	0.0113	0.0082	0.0055	0.0019	0.0043	0.0003	0.0573
25 mph	0.1055	0.0120	0.0511	0.0374	0.0251	0.0085	0.0216	0.0016	0.2628
30 mph	0.1078	0.0122	0.0520	0.0382	0.0259	0.0087	0.0180	0.0013	0.2642
35 mph	0.0833	0.0094	0.0401	0.0295	0.0203	0.0067	0.0076	0.0006	0.1974
40 mph	0.0265	0.0030	0.0127	0.0094	0.0065	0.0021	0.0081	0.0006	0.0690
45 mph	0.0214	0.0024	0.0103	0.0076	0.0053	0.0017	0.0062	0.0005	0.0555
50 mph	0.0211	0.0024	0.0102	0.0075	0.0053	0.0017	0.0100	0.0008	0.0591
55 mph	0.0171	0.0020	0.0083	0.0061	0.0043	0.0014	0.0023	0.0002	0.0418
60 mph	0.0356	0.0042	0.0174	0.0128	0.0089	0.0029	0.0024	0.0002	0.0844
65 mph	0.0047	0.0006	0.0023	0.0017	0.0012	0.0004	-	-	0.0107
70 mph	-	-	-	-	-	-	-	-	-
total	0.4957	0.0566	0.2399	0.1762	0.1199	0.0400	0.0912	0.0067	1.2262

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0030	0.0004	0.0015	0.0023	0.0018	0.0006	-	-	0.0096
15 mph	0.0027	0.0003	0.0013	0.0020	0.0016	0.0005	-	-	0.0084
20 mph	0.0024	0.0003	0.0012	0.0018	0.0015	0.0005	0.0078	0.0006	0.0159
25 mph	0.0044	0.0005	0.0021	0.0032	0.0027	0.0009	0.0124	0.0009	0.0271
30 mph	0.0081	0.0009	0.0039	0.0060	0.0051	0.0017	0.0195	0.0014	0.0466
35 mph	0.0172	0.0019	0.0083	0.0127	0.0109	0.0036	0.0183	0.0014	0.0743
40 mph	0.0183	0.0021	0.0088	0.0135	0.0116	0.0038	0.0160	0.0012	0.0753
45 mph	0.0141	0.0016	0.0068	0.0105	0.0091	0.0030	0.0113	0.0008	0.0572
50 mph	0.0157	0.0018	0.0076	0.0117	0.0102	0.0033	0.0056	0.0004	0.0563
55 mph	0.0088	0.0010	0.0043	0.0066	0.0058	0.0019	0.0028	0.0002	0.0315
60 mph	0.0055	0.0006	0.0027	0.0042	0.0036	0.0012	0.2040	0.0152	0.2370
65 mph	0.0019	0.0002	0.0009	0.0015	0.0013	0.0004	-	-	0.0062
70 mph	0.0932	0.0118	0.0452	0.0723	0.0642	0.0192	-	-	0.3059
total	0.1955	0.0235	0.0946	0.1482	0.1294	0.0407	0.2976	0.0221	0.9515

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0014	0.0004	0.0006	0.0000	0.0024
15 mph	0.0403	0.0046	0.0197	0.0067	0.0047	0.0016	0.0040	0.0003	0.0818
25 mph	-	-	-	-	0.0075	0.0025	0.0142	0.0010	0.0252
35 mph	0.1246	0.0141	0.0599	0.0188	-	-	-	-	0.2174
total	0.1649	0.0187	0.0796	0.0255	0.0135	0.0045	0.0188	0.0013	0.3268

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0014	0.0004	0.0006	0.0000	0.0024
10 mph	0.0397	0.0046	0.0195	0.0154	0.0104	0.0036	0.0081	0.0006	0.1018
15 mph	0.0558	0.0064	0.0273	0.0133	0.0093	0.0032	0.0063	0.0005	0.1221
20 mph	0.0255	0.0029	0.0124	0.0100	0.0069	0.0024	0.0121	0.0009	0.0732
25 mph	0.1099	0.0125	0.0532	0.0406	0.0353	0.0119	0.0481	0.0035	0.3151
30 mph	0.1159	0.0131	0.0559	0.0442	0.0310	0.0104	0.0376	0.0028	0.3108
35 mph	0.2251	0.0255	0.1083	0.0610	0.0311	0.0103	0.0259	0.0019	0.4891
40 mph	0.0448	0.0051	0.0215	0.0229	0.0182	0.0060	0.0241	0.0018	0.1444
45 mph	0.0355	0.0040	0.0171	0.0181	0.0144	0.0047	0.0175	0.0013	0.1127
50 mph	0.0369	0.0042	0.0178	0.0193	0.0155	0.0050	0.0156	0.0012	0.1154
55 mph	0.0260	0.0030	0.0126	0.0128	0.0101	0.0033	0.0052	0.0004	0.0732
60 mph	0.0411	0.0048	0.0200	0.0170	0.0125	0.0041	0.2064	0.0154	0.3214
65 mph	0.0066	0.0008	0.0032	0.0032	0.0024	0.0008	-	-	0.0170
70 mph	0.0932	0.0118	0.0452	0.0723	0.0642	0.0192	-	-	0.3059
total	0.8560	0.0988	0.4141	0.3499	0.2628	0.0852	0.4076	0.0301	2.5045

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0042	0.0000	0.0016	0.0043	0.0914	0.0719	0.5905	1.6375	2.4014
15 mph	0.0014	0.0000	0.0005	0.0014	0.0238	0.0191	0.1548	0.4240	0.6251
20 mph	0.0023	0.0000	0.0009	0.0024	0.0406	0.0326	0.2645	0.7224	1.0656
25 mph	0.0095	0.0001	0.0037	0.0102	0.1799	0.1452	1.2695	3.3551	4.9731
30 mph	0.0091	0.0001	0.0035	0.0097	0.1800	0.1442	1.0131	2.6774	4.0370
35 mph	0.0067	0.0000	0.0026	0.0072	0.1475	0.1182	0.4072	1.0774	1.7669
40 mph	0.0021	0.0000	0.0008	0.0022	0.0479	0.0380	0.4145	1.0991	1.6047
45 mph	0.0017	0.0000	0.0006	0.0018	0.0389	0.0305	0.3143	0.8350	1.2229
50 mph	0.0017	0.0000	0.0006	0.0018	0.0409	0.0316	0.5039	1.3326	1.9132
55 mph	0.0014	0.0000	0.0005	0.0015	0.0341	0.0261	0.1197	0.3202	0.5037
60 mph	0.0031	0.0000	0.0012	0.0033	0.0689	0.0524	0.1279	0.3396	0.5964
65 mph	0.0004	0.0000	0.0002	0.0005	0.0087	0.0066	-	-	0.0164
70 mph	-	-	-	-	-	-	-	-	-
total	0.0436	0.0003	0.0168	0.0464	0.9026	0.7164	5.1799	13.8203	20.7262

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0003	0.0000	0.0001	0.0007	0.0196	0.0154	-	-	0.0362
15 mph	0.0003	0.0000	0.0001	0.0006	0.0127	0.0102	-	-	0.0240
20 mph	0.0002	0.0000	0.0001	0.0005	0.0109	0.0087	0.4768	1.3022	1.7995
25 mph	0.0004	0.0000	0.0002	0.0009	0.0193	0.0156	0.7282	1.9245	2.6890
30 mph	0.0007	0.0000	0.0003	0.0015	0.0351	0.0281	1.0959	2.8960	4.0576
35 mph	0.0014	0.0000	0.0005	0.0031	0.0791	0.0634	0.9788	2.5896	3.7159
40 mph	0.0014	0.0000	0.0006	0.0032	0.0856	0.0679	0.8220	2.1795	3.1603
45 mph	0.0011	0.0000	0.0004	0.0025	0.0668	0.0523	0.5666	1.5054	2.1951
50 mph	0.0013	0.0000	0.0005	0.0028	0.0789	0.0610	0.2795	0.7392	1.1631
55 mph	0.0007	0.0000	0.0003	0.0017	0.0457	0.0350	0.1438	0.3849	0.6121
60 mph	0.0005	0.0000	0.0002	0.0011	0.0277	0.0211	10.7564	28.5702	39.3771
65 mph	0.0002	0.0000	0.0001	0.0004	0.0094	0.0071	-	-	0.0171
70 mph	0.0089	0.0001	0.0034	0.0202	0.4406	0.3322	-	-	0.8054
total	0.0175	0.0001	0.0066	0.0393	0.9314	0.7180	15.8479	42.0915	59.6524

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0003	0.0012	0.0022	0.0040
15 mph	0.0043	0.0000	0.0017	0.0021	0.0372	0.0298	0.2557	0.7001	1.0309
25 mph	-	-	-	-	0.0534	0.0431	0.8339	2.2038	3.1343
35 mph	0.0100	0.0001	0.0039	0.0046	-	-	-	-	0.0186
total	0.0144	0.0001	0.0056	0.0067	0.0910	0.0732	1.0907	2.9061	4.1878

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0003	0.0012	0.0022	0.0040
10 mph	0.0046	0.0000	0.0017	0.0050	0.1110	0.0873	0.5905	1.6375	2.4376
15 mph	0.0060	0.0000	0.0023	0.0042	0.0737	0.0591	0.4105	1.1242	1.6800
20 mph	0.0025	0.0000	0.0010	0.0029	0.0515	0.0413	0.7413	2.0246	2.8651
25 mph	0.0099	0.0001	0.0038	0.0111	0.2527	0.2039	2.8315	7.4834	10.7964
30 mph	0.0098	0.0001	0.0038	0.0112	0.2150	0.1723	2.1090	5.5735	8.0946
35 mph	0.0181	0.0001	0.0070	0.0149	0.2266	0.1816	1.3860	3.6670	5.5013
40 mph	0.0035	0.0000	0.0014	0.0055	0.1335	0.1059	1.2366	3.2786	4.7650
45 mph	0.0028	0.0000	0.0011	0.0043	0.1058	0.0827	0.8809	2.3404	3.4179
50 mph	0.0030	0.0000	0.0011	0.0046	0.1197	0.0926	0.7835	2.0718	3.0763
55 mph	0.0021	0.0000	0.0008	0.0032	0.0799	0.0612	0.2635	0.7051	1.1158
60 mph	0.0035	0.0000	0.0014	0.0044	0.0966	0.0735	10.8842	28.9098	39.9734
65 mph	0.0006	0.0000	0.0002	0.0009	0.0181	0.0137	-	-	0.0335
70 mph	0.0089	0.0001	0.0034	0.0202	0.4406	0.3322	-	-	0.8054
total	0.0754	0.0005	0.0290	0.0923	1.9250	1.5077	22.1185	58.8180	84.5664

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.2214	0.2214
15 mph								0.0619	0.0619
20 mph								0.1081	0.1081
25 mph								0.5478	0.5478
30 mph								0.4709	0.4709
35 mph								0.2022	0.2022
40 mph								0.2159	0.2159
45 mph								0.1668	0.1668
50 mph								0.2628	0.2628
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.2577	2.2577

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.1949	0.1949
25 mph								0.3142	0.3142
30 mph								0.5093	0.5093
35 mph								0.4860	0.4860
40 mph								0.4281	
45 mph								0.3006	
50 mph								0.1458	
55 mph								-	
60 mph								-	
65 mph								-	
70 mph								-	
total	-	-	-	-	-	-	-	1.5045	1.5045

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0004	0.0004
15 mph								0.1022	0.1022
25 mph								0.3598	0.3598
35 mph								-	-
total	-	-	-	-	-	-	-	0.4625	0.4625

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0004	0.0004
10 mph								0.2214	0.2214
15 mph								0.1642	0.1642
20 mph								0.3030	0.3030
25 mph								1.2219	1.2219
30 mph								0.9802	0.9802
35 mph								0.6882	0.6882
40 mph								0.6439	0.6439
45 mph								0.4674	0.4674
50 mph								0.4085	0.4085
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.0991	5.0991

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0017	0.0007	0.0018	0.0025	0.0067
10 mph	0.0443	0.0047	0.0212	0.0204	0.1213	0.0909	0.5986	1.8595	2.7609
15 mph	0.0618	0.0065	0.0296	0.0174	0.0830	0.0623	0.4168	1.2888	1.9663
20 mph	0.0280	0.0029	0.0134	0.0129	0.0584	0.0437	0.7534	2.3284	3.2413
25 mph	0.1198	0.0126	0.0571	0.0517	0.2880	0.2158	2.8797	8.7088	12.3333
30 mph	0.1257	0.0132	0.0597	0.0554	0.2460	0.1827	2.1466	6.5564	9.3856
35 mph	0.2432	0.0256	0.1153	0.0759	0.2578	0.1919	1.4118	4.3571	6.6786
40 mph	0.0483	0.0051	0.0229	0.0284	0.1516	0.1119	1.2607	3.9243	5.5533
45 mph	0.0383	0.0041	0.0182	0.0224	0.1202	0.0874	0.8984	2.8091	3.9980
50 mph	0.0398	0.0042	0.0189	0.0239	0.1352	0.0976	0.7990	2.4815	3.6002
55 mph	0.0281	0.0030	0.0134	0.0160	0.0899	0.0644	0.2686	0.7055	1.1890
60 mph	0.0446	0.0049	0.0214	0.0214	0.1091	0.0776	11.0906	28.9252	40.2949
65 mph	0.0072	0.0008	0.0035	0.0040	0.0206	0.0144	-	-	0.0505
70 mph	0.1022	0.0119	0.0485	0.0925	0.5049	0.3515	-	-	1.1114
STREX	0.1050	0.0086	0.0452	0.1060	0.0523	0.0160	0.0212	0.0000	0.3543
total	1.0364	0.1079	0.4882	0.5483	2.2401	1.6088	22.5472	63.9472	**92.5242**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0211	0.0232	0.0245	0.0263	0.0355	0.0356	0.0294	0.0055
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1050	0.0086	0.0452	0.1060	0.0523	0.0160	0.0212	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1050	0.0086	0.0452	0.1060	0.0523	0.0160	0.0212	0.0000

World Logistics Center
Mobile Emissions - Medium EV 2029 (Net) - Mitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					2.0153	2.0337	3.3620	2.4662
10 mph	0.0058	0.0124	0.0097	0.0116	0.0125	0.0101	0.0223	0.3126
15 mph	0.0039	0.0084	0.0065	0.0078	0.0085	0.0068	0.0149	0.2074
20 mph	0.0027	0.0060	0.0046	0.0055	0.0061	0.0048	0.0105	0.1462
25 mph	0.0020	0.0045	0.0034	0.0041	0.0046	0.0036	0.0077	0.1084
30 mph	0.0016	0.0035	0.0026	0.0032	0.0036	0.0028	0.0059	0.0848
35 mph	0.0013	0.0029	0.0022	0.0026	0.0030	0.0023	0.0049	0.0701
40 mph	0.0011	0.0025	0.0019	0.0023	0.0027	0.0020	0.0042	0.0611
45 mph	0.0010	0.0023	0.0017	0.0021	0.0025	0.0019	0.0039	0.0562
50 mph	0.0010	0.0022	0.0017	0.0020	0.0025	0.0018	0.0037	0.0544
55 mph	0.0010	0.0023	0.0017	0.0020	0.0025	0.0018	0.0038	0.0555
60 mph	0.0011	0.0024	0.0018	0.0021	0.0027	0.0020	0.0041	0.0594
65 mph	0.0012	0.0026	0.0019	0.0024	0.0031	0.0022		
70 mph	0.0013	0.0031	0.0021	0.0026	0.0033	0.0022		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0235	0.1100
10 mph	0.0043	0.0171	0.0090	0.0045	0.0255	0.0256	0.0015	0.0038
15 mph	0.0022	0.0110	0.0044	0.0022	0.0129	0.0130	0.0008	0.0021
20 mph	0.0009	0.0074	0.0017	0.0009	0.0056	0.0056	0.0006	0.0013
25 mph	0.0006	0.0057	0.0011	0.0006	0.0036	0.0036	0.0004	0.0011
30 mph	0.0004	0.0047	0.0008	0.0004	0.0028	0.0028	0.0004	0.0009
35 mph	0.0004	0.0041	0.0006	0.0003	0.0024	0.0023	0.0003	0.0007
40 mph	0.0003	0.0037	0.0005	0.0003	0.0020	0.0020	0.0003	0.0006
45 mph	0.0003	0.0035	0.0004	0.0002	0.0018	0.0018	0.0002	0.0006
50 mph	0.0002	0.0034	0.0004	0.0002	0.0017	0.0016	0.0002	0.0006
55 mph	0.0002	0.0036	0.0003	0.0002	0.0016	0.0015	0.0003	0.0006
60 mph	0.0002	0.0039	0.0003	0.0002	0.0016	0.0015	0.0003	0.0007
65 mph	0.0002	0.0044	0.0003	0.0002	0.0018	0.0017		
70 mph	0.0002	0.0051	0.0003	0.0002	0.0027	0.0024		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.9182
10 mph								11.3796
15 mph								7.8036
20 mph								5.5060
25 mph								4.0414
30 mph								2.9995
35 mph								2.2292
40 mph								1.6602
45 mph								1.2412
50 mph								0.9339
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0409	0.0065	0.0251	0.0191	0.0102	0.0025	0.0092	0.0009	0.1145
15 mph	0.0109	0.0018	0.0067	0.0051	0.0027	0.0007	0.0021	0.0002	0.0303
20 mph	0.0154	0.0025	0.0096	0.0073	0.0040	0.0010	0.0029	0.0003	0.0428
25 mph	0.0567	0.0094	0.0354	0.0270	0.0149	0.0035	0.0118	0.0011	0.1598
30 mph	0.0484	0.0081	0.0303	0.0232	0.0130	0.0030	0.0082	0.0008	0.1351
35 mph	0.0324	0.0055	0.0203	0.0156	0.0089	0.0021	0.0030	0.0003	0.0881
40 mph	0.0094	0.0016	0.0059	0.0045	0.0026	0.0006	0.0029	0.0003	0.0278
45 mph	0.0072	0.0012	0.0045	0.0035	0.0020	0.0005	0.0021	0.0002	0.0212
50 mph	0.0069	0.0012	0.0043	0.0033	0.0020	0.0004	0.0034	0.0003	0.0219
55 mph	0.0056	0.0009	0.0035	0.0027	0.0016	0.0004	0.0008	0.0001	0.0157
60 mph	0.0119	0.0020	0.0073	0.0057	0.0035	0.0008	0.0009	0.0001	0.0321
65 mph	0.0016	0.0003	0.0010	0.0008	0.0005	0.0001	-	-	0.0043
70 mph	-	-	-	-	-	-	-	-	-
total	0.2474	0.0410	0.1539	0.1179	0.0661	0.0156	0.0473	0.0046	0.6938

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0034	0.0005	0.0021	0.0033	0.0022	0.0005	-	-	0.0120
15 mph	0.0023	0.0004	0.0014	0.0022	0.0015	0.0004	-	-	0.0081
20 mph	0.0016	0.0003	0.0010	0.0016	0.0011	0.0003	0.0053	0.0005	0.0115
25 mph	0.0023	0.0004	0.0015	0.0023	0.0016	0.0004	0.0068	0.0007	0.0159
30 mph	0.0036	0.0006	0.0023	0.0036	0.0025	0.0006	0.0089	0.0009	0.0231
35 mph	0.0067	0.0011	0.0042	0.0067	0.0048	0.0011	0.0073	0.0007	0.0326
40 mph	0.0065	0.0011	0.0041	0.0065	0.0047	0.0011	0.0058	0.0006	0.0303
45 mph	0.0048	0.0008	0.0030	0.0048	0.0035	0.0008	0.0038	0.0004	0.0218
50 mph	0.0052	0.0009	0.0032	0.0052	0.0039	0.0009	0.0019	0.0002	0.0212
55 mph	0.0029	0.0005	0.0018	0.0029	0.0022	0.0005	0.0010	0.0001	0.0119
60 mph	0.0018	0.0003	0.0011	0.0018	0.0014	0.0003	0.0715	0.0072	0.0856
65 mph	0.0007	0.0001	0.0004	0.0007	0.0005	0.0001	-	-	0.0025
70 mph	0.0339	0.0061	0.0205	0.0344	0.0264	0.0054	-	-	0.1267
total	0.0756	0.0131	0.0465	0.0762	0.0563	0.0122	0.1122	0.0112	0.4033

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2040	0.0628	0.1577	0.0012	0.4256
15 mph	0.0342	0.0055	0.0211	0.0075	0.0043	0.0011	0.0034	0.0003	0.0774
25 mph	-	-	-	-	0.0044	0.0011	0.0077	0.0007	0.0140
35 mph	0.0485	0.0082	0.0304	0.0100	-	-	-	-	0.0971
total	0.0827	0.0137	0.0515	0.0174	0.2128	0.0649	0.1688	0.0022	0.6141

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2040	0.0628	0.1577	0.0012	0.4256
10 mph	0.0443	0.0070	0.0272	0.0225	0.0124	0.0031	0.0092	0.0009	0.1266
15 mph	0.0474	0.0076	0.0293	0.0148	0.0085	0.0021	0.0055	0.0005	0.1157
20 mph	0.0170	0.0028	0.0105	0.0089	0.0050	0.0012	0.0082	0.0008	0.0543
25 mph	0.0590	0.0098	0.0368	0.0293	0.0210	0.0050	0.0263	0.0025	0.1897
30 mph	0.0521	0.0088	0.0326	0.0268	0.0155	0.0036	0.0171	0.0017	0.1582
35 mph	0.0877	0.0149	0.0549	0.0323	0.0137	0.0032	0.0103	0.0010	0.2179
40 mph	0.0159	0.0027	0.0099	0.0110	0.0073	0.0017	0.0087	0.0009	0.0581
45 mph	0.0119	0.0020	0.0075	0.0082	0.0055	0.0013	0.0060	0.0006	0.0431
50 mph	0.0121	0.0021	0.0075	0.0085	0.0058	0.0013	0.0052	0.0005	0.0431
55 mph	0.0085	0.0014	0.0053	0.0056	0.0039	0.0009	0.0017	0.0002	0.0275
60 mph	0.0137	0.0023	0.0085	0.0075	0.0049	0.0011	0.0724	0.0072	0.1176
65 mph	0.0023	0.0004	0.0014	0.0015	0.0010	0.0002	-	-	0.0069
70 mph	0.0339	0.0061	0.0205	0.0344	0.0264	0.0054	-	-	0.1267
total	0.4057	0.0679	0.2520	0.2114	0.3351	0.0927	0.3283	0.0180	1.7111

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0003	0.0000	0.0002	0.0002	0.0164	0.0116	0.0032	0.0153	0.0471
15 mph	0.0001	0.0000	0.0000	0.0000	0.0033	0.0023	0.0006	0.0028	0.0092
20 mph	0.0001	0.0000	0.0000	0.0000	0.0029	0.0020	0.0008	0.0035	0.0093
25 mph	0.0002	0.0000	0.0001	0.0001	0.0093	0.0065	0.0035	0.0157	0.0354
30 mph	0.0001	0.0000	0.0001	0.0001	0.0080	0.0056	0.0026	0.0116	0.0280
35 mph	0.0001	0.0000	0.0000	0.0001	0.0054	0.0038	0.0010	0.0043	0.0147
40 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0011	0.0009	0.0041	0.0077
45 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0008	0.0007	0.0030	0.0057
50 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0007	0.0011	0.0049	0.0079
55 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	0.0003	0.0013	0.0029
60 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0011	0.0003	0.0015	0.0046
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0009	0.0000	0.0005	0.0006	0.0518	0.0362	0.0150	0.0679	0.1730

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0035	0.0025	-	-	0.0061
15 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0013	-	-	0.0031
20 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0005	0.0015	0.0063	0.0091
25 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0020	0.0090	0.0128
30 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0011	0.0028	0.0125	0.0180
35 mph	0.0000	0.0000	0.0000	0.0000	0.0029	0.0020	0.0023	0.0103	0.0176
40 mph	0.0000	0.0000	0.0000	0.0000	0.0028	0.0019	0.0018	0.0081	0.0147
45 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0014	0.0012	0.0055	0.0101
50 mph	0.0000	0.0000	0.0000	0.0000	0.0021	0.0014	0.0006	0.0027	0.0069
55 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0007	0.0003	0.0015	0.0037
60 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0004	0.0274	0.1234	0.1519
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	0.0001	0.0000	0.0000	0.0001	0.0174	0.0109	-	-	0.0284
total	0.0002	0.0000	0.0001	0.0002	0.0378	0.0250	0.0399	0.1793	0.2826

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0118	0.0083	0.0056	0.0496	0.0753
15 mph	0.0002	0.0000	0.0001	0.0001	0.0052	0.0037	0.0010	0.0046	0.0148
25 mph	-	-	-	-	0.0028	0.0019	0.0023	0.0103	0.0173
35 mph	0.0001	0.0000	0.0001	0.0000	-	-	-	-	0.0003
total	0.0003	0.0000	0.0002	0.0001	0.0197	0.0139	0.0089	0.0645	0.1077

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0118	0.0083	0.0056	0.0496	0.0753
10 mph	0.0003	0.0000	0.0002	0.0002	0.0199	0.0140	0.0032	0.0153	0.0532
15 mph	0.0003	0.0000	0.0002	0.0001	0.0103	0.0073	0.0016	0.0074	0.0271
20 mph	0.0001	0.0000	0.0000	0.0000	0.0037	0.0026	0.0023	0.0098	0.0184
25 mph	0.0002	0.0000	0.0001	0.0001	0.0131	0.0091	0.0078	0.0351	0.0655
30 mph	0.0002	0.0000	0.0001	0.0001	0.0096	0.0067	0.0054	0.0241	0.0460
35 mph	0.0003	0.0000	0.0001	0.0001	0.0084	0.0058	0.0033	0.0146	0.0325
40 mph	0.0000	0.0000	0.0000	0.0000	0.0044	0.0030	0.0027	0.0122	0.0224
45 mph	0.0000	0.0000	0.0000	0.0000	0.0032	0.0022	0.0019	0.0085	0.0158
50 mph	0.0000	0.0000	0.0000	0.0000	0.0031	0.0022	0.0017	0.0076	0.0147
55 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0013	0.0006	0.0028	0.0066
60 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0016	0.0277	0.1248	0.1564
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	-	-	0.0008
70 mph	0.0001	0.0000	0.0000	0.0001	0.0174	0.0109	-	-	0.0284
total	0.0015	0.0000	0.0008	0.0009	0.1093	0.0751	0.0638	0.3118	0.5632

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								2.8144	2.8144
15 mph								0.6433	0.6433
20 mph								0.9078	0.9078
25 mph								3.6650	3.6650
30 mph								2.4728	2.4728
35 mph								0.8270	0.8270
40 mph								0.6844	0.6844
45 mph								0.4093	0.4093
50 mph								0.5004	0.5004
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	12.9245	12.9245

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1.6366	1.6366
25 mph								2.1022	2.1022
30 mph								2.6748	2.6748
35 mph								1.9878	1.9878
40 mph								1.3571	1.3571
45 mph								0.7379	0.7379
50 mph								0.2776	0.2776
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	8.4014	8.4014

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0536	0.0536
15 mph								1.0623	1.0623
25 mph								2.4074	2.4074
35 mph								-	-
total	-	-	-	-	-	-	-	3.5232	3.5232

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0536	0.0536
10 mph								2.8144	2.8144
15 mph								1.7056	1.7056
20 mph								2.5445	2.5445
25 mph								8.1746	8.1746
30 mph								5.1476	5.1476
35 mph								2.8148	2.8148
40 mph								2.0415	2.0415
45 mph								1.1471	1.1471
50 mph								0.7780	0.7780
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	27.2217	27.2217

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2158	0.0711	0.1633	0.1043	0.5545
10 mph	0.0447	0.0070	0.0274	0.0227	0.0322	0.0171	0.0125	2.8306	2.9942
15 mph	0.0477	0.0076	0.0294	0.0149	0.0188	0.0093	0.0070	1.7135	1.8484
20 mph	0.0170	0.0028	0.0106	0.0089	0.0087	0.0038	0.0105	2.5550	2.6172
25 mph	0.0592	0.0098	0.0369	0.0294	0.0341	0.0141	0.0341	8.2123	8.4299
30 mph	0.0522	0.0088	0.0327	0.0269	0.0251	0.0103	0.0225	5.1734	5.3519
35 mph	0.0879	0.0149	0.0550	0.0324	0.0221	0.0090	0.0135	2.8304	3.0652
40 mph	0.0159	0.0027	0.0100	0.0111	0.0117	0.0047	0.0115	2.0546	2.1221
45 mph	0.0120	0.0020	0.0075	0.0083	0.0087	0.0034	0.0079	1.1562	1.2060
50 mph	0.0121	0.0021	0.0076	0.0085	0.0090	0.0035	0.0069	0.7862	0.8358
55 mph	0.0085	0.0014	0.0053	0.0056	0.0058	0.0021	0.0024	0.0030	0.0341
60 mph	0.0137	0.0023	0.0085	0.0075	0.0072	0.0026	0.1001	0.1321	0.2741
65 mph	0.0023	0.0004	0.0014	0.0015	0.0015	0.0005	-	-	0.0077
70 mph	0.0340	0.0061	0.0205	0.0345	0.0438	0.0162	-	-	0.1551
STREX	0.1665	0.0163	0.0838	0.2110	0.0252	0.0077	0.0242	0.0000	0.5348
total	0.5737	0.0842	0.3366	0.4234	0.4696	0.1755	0.4163	27.5515	**30.0308**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0335	0.0439	0.0455	0.0524	0.0171	0.0172	0.0337	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1665	0.0163	0.0838	0.2110	0.0252	0.0077	0.0242	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1665	0.0163	0.0838	0.2110	0.0252	0.0077	0.0242	0.0000

World Logistics Center
Mobile Emissions - Medium EV 2029 (Net) - Mitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,266.80	4,983.93	12,646.52	20,994.08
10 mph	438.18	512.97	526.94	649.38	1,401.84	1,614.19	2,890.75	3,416.85
15 mph	358.15	419.22	430.52	530.15	1,145.18	1,317.71	2,365.30	2,803.80
20 mph	297.88	348.68	358.07	440.98	952.17	1,095.87	1,964.30	2,336.10
25 mph	254.68	298.20	306.27	377.47	813.90	936.60	1,680.78	1,999.71
30 mph	226.03	264.70	271.93	335.52	722.51	831.51	1,493.37	1,774.42
35 mph	209.62	245.53	252.28	311.76	670.14	771.41	1,385.58	1,643.04
40 mph	203.10	237.90	244.43	302.13	648.78	746.86	1,340.72	1,588.52
45 mph	204.19	239.05	245.57	303.42	651.16	749.59	1,346.54	1,589.85
50 mph	210.31	246.17	252.82	312.67	670.35	771.35	1,385.11	1,633.21
55 mph	218.49	255.71	262.71	325.06	697.81	802.91	1,439.76	1,697.09
60 mph	225.02	263.68	271.11	335.88	726.03	835.35	1,497.37	1,763.03
65 mph	230.50	270.59	278.32	345.48	748.08	860.34		
70 mph	233.46	274.52	281.04	353.68	758.98	869.72		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,462.92	5,587.43	5,730.07	5,357.37
10 mph	368.21	789.09	495.05	616.25	905.16	1,012.79	1,765.32	2,610.49
15 mph	302.90	656.43	410.61	522.09	588.95	671.80	1,388.62	2,027.87
20 mph	248.47	539.03	337.30	433.65	502.61	573.69	1,186.07	1,727.34
25 mph	208.34	450.26	282.84	367.25	445.72	511.19	1,035.04	1,458.70
30 mph	180.51	387.34	244.56	317.75	405.22	461.54	908.65	1,280.47
35 mph	163.25	347.12	220.67	288.98	406.06	462.48	811.56	1,144.98
40 mph	152.79	323.43	205.94	270.45	395.41	446.10	743.57	1,051.27
45 mph	147.59	312.14	198.56	260.22	385.87	429.02	704.70	998.38
50 mph	148.06	312.13	198.80	261.77	404.84	445.24	695.33	980.47
55 mph	154.91	326.47	207.82	276.21	422.59	460.31	715.46	1,021.01
60 mph	167.96	353.86	225.15	299.09	426.60	461.72	764.47	1,082.76
65 mph	188.93	394.39	252.83	336.63	433.26	464.21		
70 mph	205.69	411.11	270.33	367.42	442.58	474.42		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,411.62
10 mph								4,390.75
15 mph								3,684.38
20 mph								3,216.07
25 mph								2,963.35
30 mph								2,801.68
35 mph								2,673.73
40 mph								2,568.88
45 mph								2,480.81
50 mph								2,405.49
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	3,078.96	268.78	1,370.07	1,073.55	1,139.16	399.88	1,200.62	9.78	8,540.80
15 mph	1,006.64	87.86	447.76	350.57	372.24	130.57	327.46	2.68	2,725.78
20 mph	1,674.50	146.16	744.81	583.22	619.00	217.18	543.89	4.46	4,533.23
25 mph	7,158.21	624.98	3,185.24	2,496.10	2,645.54	928.10	2,559.63	20.99	19,618.79
30 mph	6,988.23	610.26	3,110.94	2,440.56	2,583.34	906.36	2,067.48	16.93	18,724.09
35 mph	5,302.56	463.13	2,361.42	1,855.42	1,960.45	687.96	863.21	7.06	13,501.22
40 mph	1,712.60	149.58	762.65	599.36	632.65	222.02	928.07	7.58	5,014.53
45 mph	1,434.78	125.25	638.51	501.62	529.14	185.70	745.68	6.07	4,166.75
50 mph	1,477.79	128.99	657.35	516.89	544.74	191.09	1,246.44	10.13	4,773.42
55 mph	1,228.23	107.19	546.45	429.90	453.65	159.12	298.99	2.43	3,225.96
60 mph	2,529.87	221.06	1,127.84	888.45	943.97	331.11	310.95	2.52	6,355.77
65 mph	323.94	28.36	144.73	114.23	121.58	42.63	-	-	775.46
70 mph	-	-	-	-	-	-	-	-	-
total	33,916.31	2,961.60	15,097.76	11,849.86	12,545.47	4,401.73	11,092.43	90.63	91,955.79

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	254.65	22.23	113.31	185.43	244.28	85.75	-	-	905.65
15 mph	208.14	18.17	92.58	151.39	199.55	70.00	-	-	739.82
20 mph	173.11	15.11	77.00	125.92	165.92	58.21	980.50	8.04	1,603.82
25 mph	296.01	25.84	131.72	215.58	283.65	99.51	1,468.21	12.04	2,532.56
30 mph	525.42	45.88	233.90	383.23	503.60	176.69	2,236.29	18.32	4,123.33
35 mph	1,096.38	95.76	488.26	801.21	1,050.97	368.81	2,074.88	16.96	5,993.23
40 mph	1,180.35	103.09	525.63	862.73	1,130.52	396.75	1,840.40	15.03	6,054.50
45 mph	949.32	82.87	422.46	693.15	907.73	318.56	1,344.28	10.94	4,729.31
50 mph	1,099.99	96.01	489.30	803.55	1,051.29	368.78	691.39	5.62	4,605.93
55 mph	634.88	55.41	282.46	464.11	607.98	213.26	359.34	2.92	2,620.36
60 mph	392.31	34.28	174.90	287.74	379.54	133.13	26,160.01	212.32	27,774.23
65 mph	133.96	11.73	59.85	98.65	130.36	45.70	-	-	480.24
70 mph	6,241.00	547.24	2,779.99	4,645.75	6,083.69	2,125.26	-	-	22,422.94
total	13,185.52	1,153.62	5,871.37	9,718.45	12,739.08	4,460.40	37,155.30	302.19	84,585.93

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	432.00	153.83	593.05	9.82	1,188.69
15 mph	3,150.39	274.98	1,401.30	509.22	582.13	204.20	540.70	4.42	6,667.33
25 mph	-	-	-	-	785.75	275.66	1,681.33	13.79	2,756.52
35 mph	7,933.52	692.93	3,533.08	1,183.98	-	-	-	-	13,343.51
total	11,083.90	967.90	4,934.37	1,693.21	1,799.88	633.69	2,815.07	28.03	23,956.06

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	432.00	153.83	593.05	9.82	1,188.69
10 mph	3,333.61	291.01	1,483.38	1,258.98	1,383.44	485.63	1,200.62	9.78	9,446.45
15 mph	4,365.16	381.01	1,941.63	1,011.18	1,153.92	404.78	868.16	7.09	10,132.94
20 mph	1,847.62	161.27	821.81	709.15	784.92	275.40	1,524.39	12.50	6,137.05
25 mph	7,454.22	650.82	3,316.96	2,711.67	3,714.94	1,303.26	5,709.17	46.82	24,907.88
30 mph	7,513.65	656.14	3,344.84	2,823.79	3,086.93	1,083.04	4,303.77	35.25	22,847.42
35 mph	14,332.46	1,251.82	6,382.75	3,840.62	3,011.42	1,056.77	2,938.09	24.02	32,837.95
40 mph	2,892.95	252.67	1,288.28	1,462.10	1,763.17	618.77	2,768.47	22.61	11,069.02
45 mph	2,384.10	208.13	1,060.97	1,194.77	1,436.87	504.25	2,089.96	17.01	8,896.06
50 mph	2,577.78	225.00	1,146.65	1,320.44	1,596.03	559.87	1,937.83	15.75	9,379.35
55 mph	1,863.11	162.60	828.91	894.01	1,061.63	372.38	658.32	5.35	5,846.32
60 mph	2,922.18	255.34	1,302.74	1,176.18	1,323.51	464.23	26,470.96	214.85	34,130.00
65 mph	457.89	40.08	204.58	212.88	251.94	88.33	-	-	1,255.70
70 mph	6,241.00	547.24	2,779.99	4,645.75	6,083.69	2,125.26	-	-	22,422.94
total	58,185.74	5,083.12	25,903.50	23,261.52	27,084.43	9,495.82	51,062.80	420.85	200,497.79

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	26.76	0.17	10.27	27.15	581.22	457.46	3,756.65	10,417.80	15,277.49
15 mph	8.80	0.06	3.41	9.20	151.27	121.37	985.01	2,697.57	3,976.70
20 mph	14.44	0.10	5.60	15.29	258.19	207.30	1,682.66	4,595.59	6,779.16
25 mph	60.56	0.40	23.47	64.72	1,144.82	923.58	8,076.22	21,344.80	31,638.57
30 mph	57.72	0.38	22.32	61.60	1,144.88	917.26	6,445.45	17,033.50	25,683.11
35 mph	42.71	0.28	16.48	45.84	938.66	752.01	2,590.53	6,854.00	11,240.50
40 mph	13.32	0.09	5.13	14.30	304.68	241.79	2,637.23	6,992.26	10,208.80
45 mph	10.72	0.07	4.12	11.47	247.77	193.78	1,999.50	5,312.36	7,779.80
50 mph	10.76	0.07	4.12	11.53	259.96	201.10	3,205.97	8,477.73	12,171.24
55 mph	9.01	0.06	3.45	9.74	217.08	166.33	761.26	2,037.29	3,204.21
60 mph	19.53	0.13	7.47	21.09	438.28	333.68	813.41	2,160.51	3,794.09
65 mph	2.75	0.02	1.05	2.97	55.64	41.94	-	-	104.35
70 mph	-	-	-	-	-	-	-	-	-
total	277.07	1.80	106.89	294.89	5,742.45	4,557.60	32,953.89	87,923.42	131,858.02

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	2.21	0.01	0.85	4.69	124.63	98.09	-	-	230.50
15 mph	1.82	0.01	0.70	3.97	81.09	65.07	-	-	152.67
20 mph	1.49	0.01	0.58	3.30	69.21	55.56	3,033.42	8,284.71	11,448.29
25 mph	2.50	0.02	0.97	5.59	122.74	99.02	4,632.55	12,243.45	17,106.85
30 mph	4.34	0.03	1.68	9.67	223.18	178.81	6,971.73	18,424.32	25,813.76
35 mph	8.83	0.06	3.41	19.79	503.20	403.14	6,226.77	16,474.77	23,639.98
40 mph	9.18	0.06	3.53	20.58	544.45	432.08	5,229.70	13,865.86	20,105.45
45 mph	7.10	0.05	2.73	15.84	425.05	332.42	3,604.61	9,576.88	13,964.67
50 mph	8.01	0.05	3.07	17.93	501.69	388.11	1,778.33	4,702.54	7,399.73
55 mph	4.65	0.03	1.78	10.51	290.94	222.92	914.91	2,448.49	3,894.23
60 mph	3.03	0.02	1.16	6.83	176.22	134.16	68,430.70	181,760.36	250,512.47
65 mph	1.14	0.01	0.43	2.56	59.66	44.96	-	-	108.76
70 mph	56.86	0.35	21.34	128.63	2,803.26	2,113.70	-	-	5,124.14
total	111.17	0.70	42.23	249.91	5,925.33	4,568.06	100,822.73	267,781.38	379,501.50

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	277.05	314.44	1,376.77	2,413.95	4,382.20
15 mph	27.55	0.18	10.66	13.37	236.57	189.81	1,626.43	4,454.16	6,558.74
25 mph	-	-	-	-	340.02	274.31	5,304.96	14,020.59	19,939.89
35 mph	63.90	0.41	24.66	29.25	-	-	-	-	118.22
total	91.45	0.60	35.32	42.62	853.63	778.56	8,308.16	20,888.70	30,999.04

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	277.05	314.44	1,376.77	2,413.95	4,382.20
10 mph	28.97	0.19	11.12	31.84	705.86	555.55	3,756.65	10,417.80	15,507.98
15 mph	38.18	0.25	14.78	26.54	468.93	376.26	2,611.44	7,151.73	10,688.10
20 mph	15.94	0.11	6.18	18.59	327.40	262.86	4,716.09	12,880.30	18,227.45
25 mph	63.06	0.41	24.44	70.31	1,607.58	1,296.92	18,013.73	47,608.84	68,685.31
30 mph	62.05	0.41	24.00	71.28	1,368.06	1,096.08	13,417.18	35,457.82	51,496.87
35 mph	115.43	0.75	44.55	94.88	1,441.86	1,155.15	8,817.30	23,328.77	34,998.69
40 mph	22.51	0.14	8.66	34.88	849.13	673.87	7,866.93	20,858.12	30,314.25
45 mph	17.82	0.11	6.84	27.31	672.82	526.20	5,604.12	14,889.24	21,744.47
50 mph	18.77	0.12	7.19	29.46	761.65	589.21	4,984.29	13,180.27	19,570.98
55 mph	13.66	0.09	5.23	20.25	508.02	389.25	1,676.17	4,485.78	7,098.44
60 mph	22.56	0.14	8.63	27.91	614.50	467.84	69,244.11	183,920.87	254,306.56
65 mph	3.88	0.02	1.48	5.53	115.30	86.90	-	-	213.11
70 mph	56.86	0.35	21.34	128.63	2,803.26	2,113.70	-	-	5,124.14
total	479.68	3.09	184.44	587.42	12,521.42	9,904.23	142,084.78	376,593.50	542,358.55

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1,085.93	1,085.93
15 mph								303.74	303.74
20 mph								530.27	530.27
25 mph								2,687.31	2,687.31
30 mph								2,309.73	2,309.73
35 mph								991.91	991.91
40 mph								1,058.90	1,058.90
45 mph								818.08	818.08
50 mph								1,289.02	1,289.02
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	11,074.91	11,074.91

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								955.95	955.95
25 mph								1,541.45	1,541.45
30 mph								2,498.33	2,498.33
35 mph								2,384.23	2,384.23
40 mph								2,099.84	2,099.84
45 mph								1,474.80	1,474.80
50 mph								715.01	715.01
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	7,379.96	7,379.96

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								151.12	151.12
15 mph								501.53	501.53
25 mph								1,765.19	1,765.19
35 mph								-	-
total	-	-	-	-	-	-	-	2,417.84	2,417.84

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								151.12	151.12
10 mph								1,085.93	1,085.93
15 mph								805.28	805.28
20 mph								1,486.22	1,486.22
25 mph								5,993.96	5,993.96
30 mph								4,808.06	4,808.06
35 mph								3,376.14	3,376.14
40 mph								3,158.74	3,158.74
45 mph								2,292.88	2,292.88
50 mph								2,004.03	2,004.03
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	25,162.35	25,162.35

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	709.04	468.27	1,969.81	2,574.89	5,722.01
10 mph	3,362.58	291.20	1,494.50	1,290.83	2,089.30	1,041.19	4,957.27	11,513.51	26,040.37
15 mph	4,403.34	381.26	1,956.41	1,037.72	1,622.85	781.03	3,479.60	7,964.10	21,626.32
20 mph	1,863.55	161.37	827.99	727.73	1,112.32	538.26	6,240.48	14,379.02	25,850.73
25 mph	7,517.28	651.24	3,341.40	2,781.99	5,322.53	2,600.18	23,722.91	53,649.62	99,587.14
30 mph	7,575.71	656.55	3,368.84	2,895.06	4,454.99	2,179.12	17,720.95	40,301.13	79,152.35
35 mph	14,447.89	1,252.57	6,427.30	3,935.50	4,453.29	2,211.92	11,755.39	26,728.93	71,212.79
40 mph	2,915.45	252.82	1,296.94	1,496.98	2,612.31	1,292.64	10,635.41	24,039.47	44,542.01
45 mph	2,401.92	208.24	1,067.81	1,222.08	2,109.69	1,030.46	7,694.08	17,199.13	32,933.41
50 mph	2,596.55	225.12	1,153.85	1,349.90	2,357.68	1,149.08	6,922.13	15,200.06	30,954.36
55 mph	1,876.77	162.68	834.15	914.26	1,569.64	761.63	2,334.49	4,491.13	12,944.75
60 mph	2,944.74	255.48	1,311.37	1,204.10	1,938.01	932.07	95,715.07	184,135.72	288,436.56
65 mph	461.77	40.11	206.06	218.41	367.23	175.23	-	-	1,468.81
70 mph	6,297.87	547.58	2,801.33	4,774.39	8,886.95	4,238.97	-	-	27,547.08
STREX	232.32	20.37	105.94	286.35	25.89	9.00	24.88	0.21	704.95
total	58,897.74	5,106.59	26,193.88	24,135.28	39,631.73	19,409.05	193,172.46	402,176.91	**768,723.64**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	46.69	54.91	57.53	71.16	17.59	20.05	34.59	42.14
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	232.32	20.37	105.94	286.35	25.89	9.00	24.88	0.21
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	232.32	20.37	105.94	286.35	25.89	9.00	24.88	0.21

World Logistics Center
Mobile Emissions - Medium EV 2030 (Net) - Mitigated

Pounds per day

PM2.5 Exhaust	Dust	Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
9.47	39.14	38.72	87.34	7.20	97.36	32.39	822,346.04

Tons per year

PM2.5 Exhaust	Dust	Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
1.73	7.14	7.07	15.94	1.31	17.77	5.91	150,078.15

World Logistics Center
Mobile Emissions - Medium EV 2030 (Net) - Mitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	2,663.88	27.55	147.68	115,996.95	1,199.54	6,430.53
LDT1	198.64	0.08	10.90	8,649.57	3.65	474.45
LDT2	985.69	7.86	54.53	42,921.48	342.46	2,374.38
MDT	1,935.12	51.58	109.02	29,635.00	789.84	1,669.58
LHDT1	707.62	559.16	-	16,288.37	12,870.90	-
LHDT2	215.72	393.32	-	4,965.59	9,053.59	-
MHDT	347.21	1,779.01	-	15,445.01	79,135.57	-
HHDT	2.43	3,331.73	211.20	108.11	148,205.51	9,394.67

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	82,062.03	848.62	4,549.28	33,934.93	350.93	1,881.25
LDT1	6,119.14	2.58	335.65	2,530.43	1.07	138.80
LDT2	30,364.80	242.27	1,679.75	12,556.69	100.19	694.63
MDT	15,901.60	423.81	895.86	13,733.40	366.03	773.71
LHDT1	7,860.53	6,211.31	-	8,427.84	6,659.60	-
LHDT2	2,396.32	4,369.13	-	2,569.27	4,684.46	-
MHDT	3,353.60	17,182.82	-	12,091.41	61,952.75	-
HHDT	23.47	32,180.07	2,039.88	84.64	116,025.45	7,354.80

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	4,103.10	305.96	1,518.24	795.08	393.03	119.82	201.22	1.41	7,437.84
15 mph	1,641.24	122.38	607.30	318.03	157.21	47.93	67.07	0.47	2,961.63
20 mph	3,282.48	244.77	1,214.59	636.06	314.42	95.85	134.14	0.94	5,923.26
25 mph	16,412.41	1,223.83	6,072.96	3,180.32	1,572.11	479.26	737.79	5.16	29,683.84
30 mph	18,053.65	1,346.21	6,680.25	3,498.35	1,729.32	527.19	670.72	4.69	32,510.38
35 mph	14,771.16	1,101.44	5,465.66	2,862.29	1,414.90	431.34	301.82	2.11	26,350.73
40 mph	4,923.72	367.15	1,821.89	954.10	471.63	143.78	335.36	2.35	9,019.97
45 mph	4,103.10	305.96	1,518.24	795.08	393.03	119.82	268.29	1.88	7,505.39
50 mph	4,103.10	305.96	1,518.24	795.08	393.03	119.82	435.97	3.05	7,674.24
55 mph	3,282.48	244.77	1,214.59	636.06	314.42	95.85	100.61	0.70	5,889.49
60 mph	6,564.96	489.53	2,429.18	1,272.13	628.84	191.71	100.61	0.70	11,677.66
65 mph	820.62	61.19	303.65	159.02	78.61	23.96	-	-	1,447.04
70 mph	-	-	-	-	-	-	-	-	-
total	82,062.03	6,119.14	30,364.80	15,901.60	7,860.53	2,396.32	3,353.60	23.47	148,081.48

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	339.35	25.30	125.57	137.33	84.28	25.69	-	-	737.53
15 mph	339.35	25.30	125.57	137.33	84.28	25.69	-	-	737.53
20 mph	339.35	25.30	125.57	137.33	84.28	25.69	241.83	1.69	981.05
25 mph	678.70	50.61	251.13	274.67	168.56	51.39	423.20	2.96	1,901.21
30 mph	1,357.40	101.22	502.27	549.34	337.11	102.77	725.48	5.08	3,680.67
35 mph	3,054.14	227.74	1,130.10	1,236.01	758.51	231.23	725.48	5.08	7,368.29
40 mph	3,393.49	253.04	1,255.67	1,373.34	842.78	256.93	665.03	4.66	8,044.94
45 mph	2,714.79	202.43	1,004.53	1,098.67	674.23	205.54	483.66	3.39	6,387.25
50 mph	3,054.14	227.74	1,130.10	1,236.01	758.51	231.23	241.83	1.69	6,881.25
55 mph	1,696.75	126.52	627.83	686.67	421.39	128.46	120.91	0.85	3,809.39
60 mph	1,018.05	75.91	376.70	412.00	252.84	77.08	8,463.99	59.25	10,735.81
65 mph	339.35	25.30	125.57	137.33	84.28	25.69	-	-	737.53
70 mph	15,610.07	1,164.00	5,776.08	6,317.36	3,876.81	1,181.86	-	-	33,926.18
total	33,934.93	2,530.43	12,556.69	13,733.40	8,427.84	2,569.27	12,091.41	84.64	85,928.61

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	48.65	14.83	22.53	0.23	86.25
15 mph	4,227.10	315.20	1,564.12	461.58	244.28	74.47	109.85	0.77	6,997.38
25 mph	-	-	-	-	463.93	141.43	480.71	3.36	1,089.44
35 mph	18,187.65	1,356.20	6,729.84	1,825.01	-	-	-	-	28,098.70
total	22,414.75	1,671.41	8,293.96	2,286.59	708.21	215.90	590.56	4.13	36,185.51

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	48.65	14.83	22.53	0.23	86.25
10 mph	4,442.45	331.26	1,643.81	932.41	477.30	145.51	201.22	1.41	8,175.37
15 mph	6,207.69	462.89	2,296.99	916.95	485.77	148.09	176.92	1.24	10,696.53
20 mph	3,621.83	270.07	1,340.16	773.40	398.70	121.55	375.97	2.63	6,904.31
25 mph	17,091.10	1,274.44	6,324.09	3,454.99	2,204.60	672.08	1,641.70	11.49	32,674.49
30 mph	19,411.04	1,447.43	7,182.52	4,047.69	2,066.43	629.96	1,396.20	9.77	36,191.05
35 mph	36,012.95	2,685.39	13,325.60	5,923.30	2,173.40	662.57	1,027.31	7.19	61,817.72
40 mph	8,317.21	620.19	3,077.56	2,327.44	1,314.42	400.71	1,000.39	7.00	17,064.91
45 mph	6,817.90	508.39	2,522.77	1,893.75	1,067.25	325.36	751.94	5.26	13,892.63
50 mph	7,157.24	533.70	2,648.34	2,031.09	1,151.53	351.05	677.80	4.74	14,555.49
55 mph	4,979.23	371.29	1,842.43	1,322.73	735.81	224.32	221.52	1.55	9,698.88
60 mph	7,583.01	565.44	2,805.88	1,684.13	881.68	268.78	8,564.60	59.95	22,413.48
65 mph	1,159.97	86.50	429.21	296.35	162.88	49.66	-	-	2,184.57
70 mph	15,610.07	1,164.00	5,776.08	6,317.36	3,876.81	1,181.86	-	-	33,926.18
total	138,411.70	10,320.98	51,215.44	31,921.59	16,996.58	5,181.50	16,035.56	112.25	270,195.60

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	42.43	0.13	12.11	21.19	310.57	218.46	1,030.97	1,930.80	3,566.66
15 mph	16.97	0.05	4.85	8.48	124.23	87.38	343.66	643.60	1,229.21
20 mph	33.94	0.10	9.69	16.95	248.45	174.77	687.31	1,287.20	2,458.42
25 mph	169.72	0.52	48.45	84.76	1,242.26	873.83	3,780.22	7,079.62	13,279.38
30 mph	186.70	0.57	53.30	93.24	1,366.49	961.21	3,436.56	6,436.01	12,534.08
35 mph	152.75	0.46	43.61	76.29	1,118.04	786.44	1,546.45	2,896.21	6,620.25
40 mph	50.92	0.15	14.54	25.43	372.68	262.15	1,718.28	3,218.01	5,662.15
45 mph	42.43	0.13	12.11	21.19	310.57	218.46	1,374.63	2,574.41	4,553.92
50 mph	42.43	0.13	12.11	21.19	310.57	218.46	2,233.77	4,183.41	7,022.06
55 mph	33.94	0.10	9.69	16.95	248.45	174.77	515.48	965.40	1,964.80
60 mph	67.89	0.21	19.38	33.91	496.90	349.53	515.48	965.40	2,448.70
65 mph	8.49	0.03	2.42	4.24	62.11	43.69	-	-	120.98
70 mph	-	-	-	-	-	-	-	-	-
total	848.62	2.58	242.27	423.81	6,211.31	4,369.13	17,182.82	32,180.07	61,460.60

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	3.51	0.01	1.00	3.66	66.60	46.84	-	-	121.62
15 mph	3.51	0.01	1.00	3.66	66.60	46.84	-	-	121.62
20 mph	3.51	0.01	1.00	3.66	66.60	46.84	1,239.06	2,320.51	3,681.19
25 mph	7.02	0.02	2.00	7.32	133.19	93.69	2,168.35	4,060.89	6,472.48
30 mph	14.04	0.04	4.01	14.64	266.38	187.38	3,717.17	6,961.53	11,165.18
35 mph	31.58	0.10	9.02	32.94	599.36	421.60	3,717.17	6,961.53	11,773.30
40 mph	35.09	0.11	10.02	36.60	665.96	468.45	3,407.40	6,381.40	11,005.03
45 mph	28.07	0.09	8.01	29.28	532.77	374.76	2,478.11	4,641.02	8,092.11
50 mph	31.58	0.10	9.02	32.94	599.36	421.60	1,239.06	2,320.51	4,654.17
55 mph	17.55	0.05	5.01	18.30	332.98	234.22	619.53	1,160.25	2,387.90
60 mph	10.53	0.03	3.01	10.98	199.79	140.53	43,366.93	81,217.81	124,949.61
65 mph	3.51	0.01	1.00	3.66	66.60	46.84	-	-	121.62
70 mph	161.43	0.49	46.09	168.37	3,063.41	2,154.85	-	-	5,594.64
total	350.93	1.07	100.19	366.03	6,659.60	4,684.46	61,952.75	116,025.45	190,140.46

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	38.45	27.04	115.46	216.24	397.19
15 mph	43.71	0.13	12.48	12.30	193.03	135.78	562.85	1,054.10	2,014.38
25 mph	-	-	-	-	366.60	257.87	2,462.99	4,612.70	7,700.15
35 mph	188.08	0.57	53.70	48.64	-	-	-	-	290.99
total	231.79	0.71	66.18	60.94	559.62	393.65	3,025.83	5,666.80	10,005.52

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	38.45	27.04	115.46	216.24	397.19
10 mph	45.94	0.14	13.12	24.85	377.16	265.30	1,030.97	1,930.80	3,688.28
15 mph	64.19	0.20	18.33	24.44	383.85	270.00	906.50	1,697.70	3,365.21
20 mph	37.45	0.11	10.69	20.61	315.05	221.61	1,926.37	3,607.71	6,139.61
25 mph	176.74	0.54	50.46	92.08	1,742.05	1,225.38	8,411.55	15,753.20	27,452.01
30 mph	200.73	0.61	57.31	107.88	1,632.87	1,148.59	7,153.73	13,397.54	23,699.26
35 mph	372.42	1.13	106.32	157.87	1,717.40	1,208.04	5,263.62	9,857.73	18,684.53
40 mph	86.01	0.26	24.55	62.03	1,038.64	730.59	5,125.68	9,599.41	16,667.18
45 mph	70.50	0.21	20.13	50.47	843.33	593.21	3,852.74	7,215.42	12,646.03
50 mph	74.01	0.23	21.13	54.13	909.93	640.06	3,472.82	6,503.92	11,676.23
55 mph	51.49	0.16	14.70	35.25	581.43	408.99	1,135.01	2,125.66	4,352.69
60 mph	78.42	0.24	22.39	44.89	696.69	490.06	43,882.41	82,183.21	127,398.31
65 mph	12.00	0.04	3.42	7.90	128.71	90.54	-	-	242.60
70 mph	161.43	0.49	46.09	168.37	3,063.41	2,154.85	-	-	5,594.64
total	1,431.34	4.35	408.63	850.78	13,430.53	9,447.23	82,161.40	153,872.31	261,606.58

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	227.46	16.78	83.99	44.79	-	-	-	122.39	495.42
15 mph	90.99	6.71	33.60	17.92	-	-	-	40.80	190.01
20 mph	181.97	13.43	67.19	35.83	-	-	-	81.60	380.02
25 mph	909.86	67.13	335.95	179.17	-	-	-	448.77	1,940.88
30 mph	1,000.84	73.84	369.55	197.09	-	-	-	407.98	2,049.30
35 mph	818.87	60.42	302.36	161.26	-	-	-	183.59	1,526.49
40 mph	272.96	20.14	100.79	53.75	-	-	-	203.99	651.62
45 mph	227.46	16.78	83.99	44.79	-	-	-	163.19	536.22
50 mph	227.46	16.78	83.99	44.79	-	-	-	265.18	638.21
55 mph	181.97	13.43	67.19	35.83	-	-	-	61.20	359.62
60 mph	363.94	26.85	134.38	71.67	-	-	-	61.20	658.04
65 mph	45.49	3.36	16.80	8.96	-	-	-	-	74.61
70 mph	-	-	-	-	-	-	-	-	-
total	4,549.28	335.65	1,679.75	895.86	-	-	-	2,039.88	9,500.43

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	18.81	1.39	6.95	7.74	-	-	-	-	34.88
15 mph	18.81	1.39	6.95	7.74	-	-	-	-	34.88
20 mph	18.81	1.39	6.95	7.74	-	-	-	147.10	181.98
25 mph	37.63	2.78	13.89	15.47	-	-	-	257.42	327.19
30 mph	75.25	5.55	27.79	30.95	-	-	-	441.29	580.82
35 mph	169.31	12.49	62.52	69.63	-	-	-	441.29	755.24
40 mph	188.13	13.88	69.46	77.37	-	-	-	404.51	753.35
45 mph	150.50	11.10	55.57	61.90	-	-	-	294.19	573.26
50 mph	169.31	12.49	62.52	69.63	-	-	-	147.10	461.05
55 mph	94.06	6.94	34.73	38.69	-	-	-	73.55	247.97
60 mph	56.44	4.16	20.84	23.21	-	-	-	5,148.36	5,253.01
65 mph	18.81	1.39	6.95	7.74	-	-	-	-	34.88
70 mph	865.38	63.85	319.53	355.91	-	-	-	-	1,604.66
total	1,881.25	138.80	694.63	773.71	-	-	-	7,354.80	10,843.19

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	13.71	13.71
15 mph	234.34	17.29	86.53	26.00	-	-	-	66.82	430.98
25 mph	-	-	-	-	-	-	-	292.40	292.40
35 mph	1,008.27	74.39	372.29	-	-	-	-	-	1,454.95
total	1,242.61	91.68	458.81	26.00	-	-	-	359.22	2,178.32

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	13.71	13.71
10 mph	246.28	18.17	90.93	52.53	-	-	-	122.39	530.30
15 mph	344.14	25.39	127.07	51.66	-	-	-	107.62	655.87
20 mph	200.78	14.81	74.14	43.57	-	-	-	228.69	562.00
25 mph	947.48	69.91	349.84	194.65	-	-	-	998.59	2,560.47
30 mph	1,076.09	79.39	397.33	228.04	-	-	-	849.26	2,630.12
35 mph	1,996.45	147.30	737.16	230.89	-	-	-	624.88	3,736.68
40 mph	461.08	34.02	170.25	131.12	-	-	-	608.50	1,404.97
45 mph	377.96	27.89	139.56	106.69	-	-	-	457.38	1,109.48
50 mph	396.78	29.27	146.50	114.43	-	-	-	412.28	1,099.26
55 mph	276.03	20.37	101.92	74.52	-	-	-	134.74	607.59
60 mph	420.38	31.02	155.22	94.88	-	-	-	5,209.55	5,911.05
65 mph	64.31	4.74	23.74	16.70	-	-	-	-	109.49
70 mph	865.38	63.85	319.53	355.91	-	-	-	-	1,604.66
total	4,811.22	354.98	1,776.47	801.34	-	-	-	2,931.43	22,521.94

World Logistics Center
Mobile Emissions - Medium EV 2030 (Net) - Mitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	21244	330	0.21	4461.3	4184.7	43.3	232.0
	LDT1	15	1567	330	0.21	329.2	312.0	0.1	17.1
	LDT2	15	7844	330	0.21	1647.3	1548.4	12.4	85.7
	MDT	15	2363	330	0.21	496.3	458.1	12.2	25.8
	LHDT1	15	2076	330	0.21	436.1	243.6	192.5	0.0
	LHDT2	15	998	330	0.21	209.6	74.3	135.4	0.0
	MHDT	15	3179	330	0.21	667.6	109.0	558.5	0.0
	HHDT	15	5301	330	0.21	1113.1	0.8	1046.1	66.3
Travel at Light Logistics	LDA	15	153	175	0.11	16.8	15.7	0.2	0.9
	LDT1	15	11	175	0.11	1.2	1.2	0.0	0.1
	LDT2	15	56	175	0.11	6.2	5.8	0.0	0.3
	MDT	15	14	175	0.11	1.6	1.4	0.0	0.1
	LHDT1	15	8	175	0.11	0.9	0.5	0.4	0.0
	LHDT2	15	4	175	0.11	0.4	0.2	0.3	0.0
	MHDT	15	10	175	0.11	1.1	0.2	0.9	0.0
	HHDT	15	17	175	0.11	1.9	0.0	1.8	0.1
Travel at Utility	LDA	15	173	100	0.06	10.4	9.7	0.1	0.5
	LDT1	15	13	100	0.06	0.8	0.7	0.0	0.0
	LDT2	15	64	100	0.06	3.8	3.6	0.0	0.2
	MDT	15	37	100	0.06	2.2	2.0	0.1	0.1
	LHDT1	15	6	100	0.06	0.3	0.2	0.1	0.0
	LHDT2	15	3	100	0.06	0.2	0.1	0.1	0.0
	MHDT	15	11	100	0.06	0.6	0.1	0.5	0.0
	HHDT	15	18	100	0.06	1.1	0.0	1.0	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	112	50	0.03	3.4	0.5	2.8	0.0
	HHDT	15	187	50	0.03	5.6	0.0	5.3	0.3
Travel at Convenience Store	LDA	15	527	50	0.03	15.8	14.8	0.2	0.8
	LDT1	15	39	50	0.03	1.2	1.1	0.0	0.1
	LDT2	15	195	50	0.03	5.8	5.5	0.0	0.3
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	75	50	0.03	2.2	2.1	0.0	0.1
	LDT1	15	6	50	0.03	0.2	0.2	0.0	0.0
	LDT2	15	28	50	0.03	0.8	0.8	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	4227.1	315.2	1564.1	461.6	244.3	74.5	109.9	0.8
Diesel	43.7	0.1	12.5	12.3	193.0	135.8	562.8	1054.1
Electric/Natural Gas (HHDT Only)	234.3	17.3	86.5	26.0	0.0	0.0	0.0	66.8

World Logistics Center
Mobile Emissions - Medium EV 2030 (Net) - Mitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	1038	580	458	0	2899.7	2291.3	0.0
	LHDT2	5	499	177	322	0	884.0	1611.8	0.0
	MHDT	5	1589	260	1330	0	1297.8	6649.4	0.0
	HHDT	5	2650	2	2491	158	9.1	12453.0	789.4
Travel at Light Logistics	LHDT1	5	4	2	2	0	11.6	9.2	0.0
	LHDT2	5	2	1	1	0	3.5	6.5	0.0
	MHDT	5	5	1	4	0	4.2	21.5	0.0
	HHDT	5	9	0	8	1	0.0	40.3	2.6
Travel at Utility	LHDT1	5	3	2	1	0	7.8	6.2	0.0
	LHDT2	5	1	0	1	0	2.4	4.4	0.0
	MHDT	5	5	1	4	0	4.4	22.4	0.0
	HHDT	5	9	0	8	1	0.0	41.9	2.7
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	56	9	47	0	45.8	234.4	0.0
	HHDT	5	93	0	88	6	0.3	439.1	27.8
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	48.7	14.8	22.5	0.2
Diesel	38.4	27.0	115.5	216.2
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	13.7

World Logistics Center
Mobile Emissions - Medium EV 2030 (Net) - Mitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0354	0.0335	0.0329	0.0352
10 mph	0.0040	0.0050	0.0042	0.0043	0.0045	0.0042	0.0042	0.0045
15 mph	0.0026	0.0033	0.0028	0.0028	0.0030	0.0028	0.0028	0.0030
20 mph	0.0018	0.0024	0.0020	0.0020	0.0021	0.0020	0.0020	0.0021
25 mph	0.0014	0.0017	0.0014	0.0015	0.0016	0.0015	0.0014	0.0015
30 mph	0.0011	0.0014	0.0011	0.0011	0.0012	0.0011	0.0011	0.0012
35 mph	0.0009	0.0011	0.0009	0.0009	0.0010	0.0009	0.0009	0.0010
40 mph	0.0008	0.0010	0.0008	0.0008	0.0009	0.0008	0.0008	0.0009
45 mph	0.0007	0.0009	0.0007	0.0007	0.0008	0.0007	0.0007	0.0008
50 mph	0.0007	0.0009	0.0007	0.0007	0.0008	0.0007	0.0007	0.0008
55 mph	0.0007	0.0009	0.0007	0.0007	0.0008	0.0007	0.0007	0.0008
60 mph	0.0007	0.0009	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
65 mph	0.0008	0.0010	0.0009	0.0009	0.0010	0.0009		
70 mph	0.0009	0.0011	0.0009	0.0010	0.0010	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7599	0.7679	0.0070	0.0096
10 mph	0.0068	0.1567	0.0087	0.0053	0.0216	0.0301	0.0040	0.0104
15 mph	0.0056	0.1143	0.0075	0.0044	0.0167	0.0244	0.0032	0.0080
20 mph	0.0045	0.0877	0.0064	0.0036	0.0139	0.0204	0.0027	0.0058
25 mph	0.0037	0.0702	0.0054	0.0031	0.0116	0.0171	0.0026	0.0060
30 mph	0.0031	0.0589	0.0048	0.0027	0.0102	0.0151	0.0028	0.0066
35 mph	0.0028	0.0517	0.0043	0.0024	0.0093	0.0136	0.0034	0.0080
40 mph	0.0025	0.0474	0.0040	0.0022	0.0086	0.0126	0.0043	0.0102
45 mph	0.0024	0.0452	0.0037	0.0021	0.0081	0.0118	0.0056	0.0134
50 mph	0.0023	0.0451	0.0035	0.0020	0.0078	0.0112	0.0073	0.0171
55 mph	0.0022	0.0472	0.0033	0.0019	0.0076	0.0108	0.0093	0.0225
60 mph	0.0023	0.0514	0.0032	0.0019	0.0077	0.0108	0.0117	0.0277
65 mph	0.0024	0.0589	0.0033	0.0020	0.0085	0.0115		
70 mph	0.0024	0.0687	0.0033	0.0022	0.0126	0.0145		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0332
10 mph								0.0062
15 mph								0.0051
20 mph								0.0044
25 mph								0.0040
30 mph								0.0037
35 mph								0.0035
40 mph								0.0033
45 mph								0.0033
50 mph								0.0033
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0358	0.0034	0.0140	0.0075	0.0039	0.0011	0.0019	0.0000	0.0676
15 mph	0.0095	0.0009	0.0037	0.0020	0.0010	0.0003	0.0004	0.0000	0.0179
20 mph	0.0133	0.0013	0.0052	0.0028	0.0015	0.0004	0.0006	0.0000	0.0251
25 mph	0.0492	0.0047	0.0194	0.0104	0.0054	0.0015	0.0023	0.0000	0.0929
30 mph	0.0422	0.0040	0.0166	0.0089	0.0046	0.0013	0.0017	0.0000	0.0793
35 mph	0.0284	0.0027	0.0111	0.0060	0.0031	0.0009	0.0006	0.0000	0.0528
40 mph	0.0082	0.0008	0.0032	0.0017	0.0009	0.0003	0.0006	0.0000	0.0157
45 mph	0.0063	0.0006	0.0025	0.0013	0.0007	0.0002	0.0004	0.0000	0.0119
50 mph	0.0060	0.0006	0.0024	0.0013	0.0007	0.0002	0.0007	0.0000	0.0118
55 mph	0.0049	0.0005	0.0019	0.0010	0.0005	0.0002	0.0002	0.0000	0.0092
60 mph	0.0106	0.0010	0.0041	0.0022	0.0012	0.0003	0.0002	0.0000	0.0196
65 mph	0.0015	0.0001	0.0006	0.0003	0.0002	0.0000	-	-	0.0027
70 mph	-	-	-	-	-	-	-	-	-
total	0.2159	0.0206	0.0847	0.0453	0.0236	0.0068	0.0095	0.0001	0.4065

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0030	0.0003	0.0012	0.0013	0.0008	0.0002	-	-	0.0068
15 mph	0.0020	0.0002	0.0008	0.0009	0.0006	0.0002	-	-	0.0045
20 mph	0.0014	0.0001	0.0005	0.0006	0.0004	0.0001	0.0010	0.0000	0.0042
25 mph	0.0020	0.0002	0.0008	0.0009	0.0006	0.0002	0.0013	0.0000	0.0060
30 mph	0.0032	0.0003	0.0012	0.0014	0.0009	0.0003	0.0018	0.0000	0.0091
35 mph	0.0059	0.0006	0.0023	0.0026	0.0017	0.0005	0.0015	0.0000	0.0149
40 mph	0.0057	0.0005	0.0022	0.0025	0.0016	0.0005	0.0012	0.0000	0.0141
45 mph	0.0041	0.0004	0.0016	0.0018	0.0012	0.0003	0.0008	0.0000	0.0103
50 mph	0.0045	0.0004	0.0018	0.0020	0.0013	0.0004	0.0004	0.0000	0.0107
55 mph	0.0025	0.0002	0.0010	0.0011	0.0007	0.0002	0.0002	0.0000	0.0060
60 mph	0.0016	0.0002	0.0006	0.0007	0.0005	0.0001	0.0144	0.0001	0.0183
65 mph	0.0006	0.0001	0.0002	0.0003	0.0002	0.0001	-	-	0.0014
70 mph	0.0312	0.0029	0.0119	0.0134	0.0088	0.0025	-	-	0.0707
total	0.0677	0.0064	0.0262	0.0293	0.0192	0.0054	0.0226	0.0002	0.1770

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0038	0.0011	0.0016	0.0000	0.0065
15 mph	0.0245	0.0023	0.0096	0.0029	0.0016	0.0005	0.0007	0.0000	0.0421
25 mph	-	-	-	-	0.0016	0.0005	0.0015	0.0000	0.0036
35 mph	0.0350	0.0034	0.0137	0.0038	-	-	-	-	0.0558
total	0.0594	0.0057	0.0233	0.0067	0.0070	0.0020	0.0038	0.0000	0.1080

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0038	0.0011	0.0016	0.0000	0.0065
10 mph	0.0387	0.0036	0.0152	0.0088	0.0047	0.0014	0.0019	0.0000	0.0743
15 mph	0.0359	0.0034	0.0141	0.0058	0.0032	0.0009	0.0011	0.0000	0.0644
20 mph	0.0147	0.0014	0.0058	0.0034	0.0018	0.0005	0.0016	0.0000	0.0293
25 mph	0.0513	0.0049	0.0202	0.0112	0.0076	0.0022	0.0052	0.0000	0.1025
30 mph	0.0454	0.0044	0.0178	0.0103	0.0055	0.0016	0.0034	0.0000	0.0884
35 mph	0.0692	0.0066	0.0271	0.0123	0.0048	0.0014	0.0021	0.0000	0.1236
40 mph	0.0139	0.0013	0.0054	0.0042	0.0025	0.0007	0.0018	0.0000	0.0298
45 mph	0.0104	0.0010	0.0041	0.0031	0.0019	0.0005	0.0012	0.0000	0.0222
50 mph	0.0105	0.0010	0.0041	0.0032	0.0019	0.0006	0.0010	0.0000	0.0225
55 mph	0.0075	0.0007	0.0029	0.0021	0.0013	0.0004	0.0004	0.0000	0.0152
60 mph	0.0122	0.0012	0.0048	0.0029	0.0016	0.0005	0.0146	0.0001	0.0379
65 mph	0.0021	0.0002	0.0008	0.0006	0.0003	0.0001	-	-	0.0042
70 mph	0.0312	0.0029	0.0119	0.0134	0.0088	0.0025	-	-	0.0707
total	0.3430	0.0327	0.1343	0.0813	0.0498	0.0142	0.0358	0.0003	0.6915

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0002	0.0002	0.0148	0.0145	0.0091	0.0443	0.0838
15 mph	0.0002	0.0000	0.0001	0.0001	0.0046	0.0047	0.0024	0.0114	0.0235
20 mph	0.0003	0.0000	0.0001	0.0001	0.0076	0.0078	0.0041	0.0164	0.0366
25 mph	0.0014	0.0001	0.0006	0.0006	0.0318	0.0330	0.0215	0.0941	0.1830
30 mph	0.0013	0.0001	0.0006	0.0006	0.0307	0.0319	0.0213	0.0933	0.1797
35 mph	0.0009	0.0001	0.0004	0.0004	0.0230	0.0236	0.0116	0.0508	0.1108
40 mph	0.0003	0.0000	0.0001	0.0001	0.0071	0.0073	0.0165	0.0726	0.1040
45 mph	0.0002	0.0000	0.0001	0.0001	0.0056	0.0057	0.0171	0.0758	0.1046
50 mph	0.0002	0.0000	0.0001	0.0001	0.0054	0.0054	0.0360	0.1581	0.2054
55 mph	0.0002	0.0000	0.0001	0.0001	0.0042	0.0042	0.0106	0.0478	0.0671
60 mph	0.0003	0.0000	0.0001	0.0001	0.0084	0.0083	0.0133	0.0590	0.0897
65 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0011	-	-	0.0024
70 mph	-	-	-	-	-	-	-	-	-
total	0.0060	0.0004	0.0025	0.0026	0.1442	0.1475	0.1634	0.7237	1.1904

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0000	0.0032	0.0031	-	-	0.0064
15 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0025	-	-	0.0051
20 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0021	0.0074	0.0296	0.0412
25 mph	0.0001	0.0000	0.0000	0.0000	0.0034	0.0035	0.0123	0.0540	0.0734
30 mph	0.0001	0.0000	0.0000	0.0001	0.0060	0.0062	0.0230	0.1009	0.1364
35 mph	0.0002	0.0000	0.0001	0.0002	0.0123	0.0127	0.0279	0.1222	0.1755
40 mph	0.0002	0.0000	0.0001	0.0002	0.0127	0.0130	0.0326	0.1440	0.2027
45 mph	0.0001	0.0000	0.0001	0.0001	0.0095	0.0097	0.0309	0.1367	0.1872
50 mph	0.0002	0.0000	0.0001	0.0001	0.0104	0.0104	0.0200	0.0877	0.1289
55 mph	0.0001	0.0000	0.0000	0.0001	0.0056	0.0056	0.0127	0.0575	0.0816
60 mph	0.0001	0.0000	0.0000	0.0000	0.0034	0.0034	1.1194	4.9644	6.0906
65 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0012	-	-	0.0025
70 mph	0.0009	0.0001	0.0003	0.0008	0.0852	0.0689	-	-	0.1562
total	0.0020	0.0001	0.0008	0.0018	0.1574	0.1423	1.2862	5.6969	7.2875

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0644	0.0458	0.0018	0.0046	0.1166
15 mph	0.0005	0.0000	0.0002	0.0001	0.0071	0.0073	0.0039	0.0187	0.0379
25 mph	-	-	-	-	0.0094	0.0097	0.0140	0.0613	0.0944
35 mph	0.0011	0.0001	0.0005	0.0003	-	-	-	-	0.0020
total	0.0017	0.0001	0.0007	0.0004	0.0809	0.0628	0.0197	0.0846	0.2509

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0644	0.0458	0.0018	0.0046	0.1166
10 mph	0.0007	0.0000	0.0003	0.0003	0.0179	0.0176	0.0091	0.0443	0.0902
15 mph	0.0008	0.0000	0.0003	0.0002	0.0141	0.0145	0.0063	0.0301	0.0664
20 mph	0.0004	0.0000	0.0001	0.0002	0.0097	0.0100	0.0115	0.0461	0.0778
25 mph	0.0014	0.0001	0.0006	0.0006	0.0446	0.0463	0.0477	0.2093	0.3507
30 mph	0.0014	0.0001	0.0006	0.0006	0.0367	0.0381	0.0443	0.1942	0.3161
35 mph	0.0023	0.0001	0.0010	0.0009	0.0353	0.0363	0.0395	0.1730	0.2883
40 mph	0.0005	0.0000	0.0002	0.0003	0.0198	0.0202	0.0491	0.2166	0.3067
45 mph	0.0004	0.0000	0.0002	0.0002	0.0151	0.0154	0.0480	0.2126	0.2918
50 mph	0.0004	0.0000	0.0002	0.0002	0.0157	0.0158	0.0560	0.2459	0.3342
55 mph	0.0003	0.0000	0.0001	0.0001	0.0097	0.0097	0.0234	0.1053	0.1487
60 mph	0.0004	0.0000	0.0002	0.0002	0.0118	0.0117	1.1327	5.0234	6.1803
65 mph	0.0001	0.0000	0.0000	0.0000	0.0024	0.0023	-	-	0.0048
70 mph	0.0009	0.0001	0.0003	0.0008	0.0852	0.0689	-	-	0.1562
total	0.0097	0.0006	0.0041	0.0048	0.3825	0.3526	1.4693	6.5052	8.7288

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0017	0.0017
15 mph								0.0005	0.0005
20 mph								0.0008	0.0008
25 mph								0.0039	0.0039
30 mph								0.0033	0.0033
35 mph								0.0014	0.0014
40 mph								0.0015	0.0015
45 mph								0.0012	0.0012
50 mph								0.0019	0.0019
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0161	0.0161

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0014	0.0014
25 mph								0.0022	0.0022
30 mph								0.0036	0.0036
35 mph								0.0034	0.0034
40 mph								0.0030	0.0030
45 mph								0.0021	0.0021
50 mph								0.0011	0.0011
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0106	0.0106

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0008	0.0008
25 mph								0.0026	0.0026
35 mph								-	-
total	-	-	-	-	-	-	-	0.0043	0.0043

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0017	0.0017
15 mph								0.0012	0.0012
20 mph								0.0022	0.0022
25 mph								0.0087	0.0087
30 mph								0.0069	0.0069
35 mph								0.0048	0.0048
40 mph								0.0045	0.0045
45 mph								0.0033	0.0033
50 mph								0.0030	0.0030
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0372	0.0372

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0682	0.0469	0.0034	0.0056	0.1241
10 mph	0.0394	0.0037	0.0154	0.0091	0.0227	0.0189	0.0110	0.0459	0.1662
15 mph	0.0367	0.0035	0.0144	0.0060	0.0173	0.0154	0.0074	0.0313	0.1321
20 mph	0.0151	0.0014	0.0059	0.0036	0.0115	0.0105	0.0131	0.0483	0.1094
25 mph	0.0527	0.0050	0.0208	0.0119	0.0521	0.0485	0.0529	0.2181	0.4619
30 mph	0.0468	0.0044	0.0184	0.0109	0.0423	0.0397	0.0477	0.2011	0.4113
35 mph	0.0715	0.0068	0.0281	0.0132	0.0400	0.0377	0.0415	0.1778	0.4166
40 mph	0.0143	0.0014	0.0056	0.0045	0.0223	0.0209	0.0509	0.2211	0.3410
45 mph	0.0108	0.0010	0.0042	0.0034	0.0170	0.0159	0.0492	0.2159	0.3173
50 mph	0.0109	0.0010	0.0043	0.0035	0.0177	0.0164	0.0570	0.2489	0.3597
55 mph	0.0077	0.0007	0.0030	0.0023	0.0110	0.0101	0.0237	0.1053	0.1639
60 mph	0.0126	0.0012	0.0049	0.0031	0.0135	0.0121	1.1472	5.0235	6.2182
65 mph	0.0022	0.0002	0.0008	0.0006	0.0027	0.0024	-	-	0.0090
70 mph	0.0321	0.0030	0.0123	0.0142	0.0940	0.0714	-	-	0.2269
STREX	0.0073	0.0007	0.0028	0.0056	0.0005	0.0001	0.0003	0.0000	0.0173
total	0.3601	0.0340	0.1412	0.0917	0.4328	0.3669	1.5054	6.5428	**9.4748**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0012	0.0015	0.0013	0.0013	0.0003	0.0003	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0073	0.0007	0.0028	0.0056	0.0005	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0073	0.0007	0.0028	0.0056	0.0005	0.0001	0.0003	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	3.2118	0.2395	1.1884	0.6224	0.6025	0.2125	0.4353	0.0016
Diesel	0.0332	0.0001	0.0095	0.0166	0.4898	0.3971	2.2301	2.4764
Electric/NG	0.1781	0.0131	0.0657	0.0351	-	-	-	0.1595
Total	3.4231	0.2527	1.2637	0.6740	1.0922	0.6096	2.6653	2.6376

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.3282	0.0990	0.4915	0.5375	0.6460	0.2279	1.5693	0.0059
Diesel	0.0137	0.0000	0.0039	0.0143	0.5251	0.4258	8.0406	8.9288
Electric/NG	0.0736	0.0054	0.0272	0.0303	-	-	-	0.5751
Total	1.4155	0.1045	0.5226	0.5821	1.1711	0.6536	9.6099	9.5098

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.8773	0.0654	0.3246	0.0895	0.0543	0.0191	0.0766	0.0003
Diesel	0.0091	0.0000	0.0026	0.0024	0.0441	0.0358	0.3927	0.4361
Electric/NG	0.0486	0.0036	0.0180	0.0010	-	-	-	0.0281
Total	0.9350	0.0690	0.3452	0.0929	0.0984	0.0549	0.4694	0.4645

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	5.4173	0.4040	2.0045	1.2494	1.3027	0.4595	2.0812	0.0078	12.9263
Diesel	0.0560	0.0002	0.0160	0.0333	1.0590	0.8587	10.6634	11.8414	24.5279
Electric/NG	0.3003	0.0222	0.1109	0.0664	-	-	-	0.7627	1.2624
Total	5.7736	0.4263	2.1314	1.3490	2.3617	1.3182	12.7446	12.6118	**38.7166**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	20.8881
Internal	18.2556
Total	**39.1437**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0525	0.0361	0.0026	0.0043	0.0956
10 mph	0.0252	0.0024	0.0099	0.0058	0.0174	0.0146	0.0084	0.0354	0.1191
15 mph	0.0235	0.0022	0.0092	0.0038	0.0133	0.0119	0.0057	0.0241	0.0938
20 mph	0.0096	0.0009	0.0038	0.0023	0.0089	0.0081	0.0101	0.0372	0.0808
25 mph	0.0337	0.0032	0.0133	0.0076	0.0401	0.0373	0.0408	0.1679	0.3439
30 mph	0.0299	0.0028	0.0118	0.0070	0.0325	0.0306	0.0368	0.1548	0.3062
35 mph	0.0458	0.0043	0.0180	0.0084	0.0308	0.0290	0.0320	0.1369	0.3052
40 mph	0.0092	0.0009	0.0036	0.0029	0.0172	0.0161	0.0392	0.1702	0.2592
45 mph	0.0069	0.0007	0.0027	0.0022	0.0131	0.0122	0.0379	0.1662	0.2418
50 mph	0.0070	0.0007	0.0027	0.0022	0.0136	0.0126	0.0439	0.1916	0.2744
55 mph	0.0049	0.0005	0.0019	0.0015	0.0085	0.0078	0.0183	0.0811	0.1244
60 mph	0.0081	0.0008	0.0032	0.0020	0.0104	0.0094	0.8834	3.8681	4.7852
65 mph	0.0014	0.0001	0.0005	0.0004	0.0021	0.0018	-	-	0.0064
70 mph	0.0205	0.0019	0.0079	0.0091	0.0724	0.0549	-	-	0.1667
total	0.2258	0.0213	0.0886	0.0551	0.3329	0.2824	1.1590	5.0379	7.2030

World Logistics Center
Mobile Emissions - Medium EV 2030 (Net) - Mitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0051	0.0077	0.0066	0.0076	0.0098	0.0110	0.0186	0.2039
15 mph	0.0045	0.0067	0.0058	0.0066	0.0086	0.0097	0.0165	0.1800
20 mph	0.0040	0.0060	0.0052	0.0059	0.0079	0.0088	0.0149	0.1623
25 mph	0.0037	0.0054	0.0047	0.0054	0.0072	0.0080	0.0135	0.1485
30 mph	0.0034	0.0050	0.0044	0.0050	0.0068	0.0074	0.0124	0.1383
35 mph	0.0032	0.0047	0.0041	0.0047	0.0065	0.0070	0.0116	0.1308
40 mph	0.0031	0.0045	0.0039	0.0045	0.0062	0.0067	0.0111	0.1252
45 mph	0.0030	0.0044	0.0038	0.0044	0.0061	0.0066	0.0107	0.1217
50 mph	0.0029	0.0044	0.0038	0.0043	0.0060	0.0065	0.0106	0.1206
55 mph	0.0030	0.0045	0.0038	0.0044	0.0062	0.0066	0.0107	0.1219
60 mph	0.0031	0.0047	0.0040	0.0046	0.0064	0.0068	0.0111	0.1259
65 mph	0.0032	0.0050	0.0042	0.0049	0.0067	0.0071	0.0117	0.1320
70 mph	0.0034	0.0055	0.0044	0.0052	0.0074	0.0073	0.0116	0.1395

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0570	0.1212	0.0766	0.0953	0.1406	0.1573	0.2738	0.4025
15 mph	0.0469	0.1008	0.0635	0.0808	0.0915	0.1044	0.2153	0.3127
20 mph	0.0385	0.0828	0.0522	0.0671	0.0781	0.0891	0.1839	0.2670
25 mph	0.0323	0.0692	0.0437	0.0568	0.0692	0.0794	0.1605	0.2249
30 mph	0.0279	0.0595	0.0378	0.0491	0.0629	0.0717	0.1409	0.1974
35 mph	0.0253	0.0533	0.0341	0.0447	0.0631	0.0718	0.1259	0.1766
40 mph	0.0237	0.0497	0.0319	0.0418	0.0614	0.0693	0.1153	0.1621
45 mph	0.0229	0.0479	0.0307	0.0402	0.0599	0.0666	0.1093	0.1540
50 mph	0.0229	0.0479	0.0307	0.0405	0.0629	0.0691	0.1078	0.1513
55 mph	0.0240	0.0501	0.0321	0.0427	0.0656	0.0715	0.1110	0.1575
60 mph	0.0260	0.0543	0.0348	0.0462	0.0662	0.0717	0.1186	0.1671
65 mph	0.0292	0.0606	0.0391	0.0520	0.0673	0.0721	0.1307	0.1811
70 mph	0.0318	0.0631	0.0418	0.0567	0.0686	0.0736	0.1319	0.1839

*US EPA Emission Factors for Greenhouse Gas Inventories.
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.8816
15 mph								0.7397
20 mph								0.6458
25 mph								0.5951
30 mph								0.5627
35 mph								0.5371
40 mph								0.5161
45 mph								0.4984
50 mph								0.4833
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0462	0.0052	0.0222	0.0132	0.0085	0.0029	0.0083	0.0006	0.1071
15 mph	0.0162	0.0018	0.0078	0.0046	0.0030	0.0010	0.0024	0.0002	0.0370
20 mph	0.0291	0.0032	0.0139	0.0083	0.0055	0.0018	0.0044	0.0003	0.0666
25 mph	0.1329	0.0146	0.0632	0.0377	0.0250	0.0084	0.0219	0.0017	0.3054
30 mph	0.1359	0.0149	0.0643	0.0384	0.0258	0.0086	0.0184	0.0014	0.3077
35 mph	0.1050	0.0115	0.0495	0.0297	0.0201	0.0067	0.0077	0.0006	0.2308
40 mph	0.0334	0.0037	0.0158	0.0095	0.0065	0.0021	0.0082	0.0006	0.0798
45 mph	0.0270	0.0030	0.0127	0.0076	0.0053	0.0017	0.0064	0.0005	0.0641
50 mph	0.0267	0.0030	0.0126	0.0076	0.0052	0.0017	0.0102	0.0008	0.0677
55 mph	0.0216	0.0024	0.0103	0.0062	0.0043	0.0014	0.0024	0.0002	0.0487
60 mph	0.0448	0.0051	0.0214	0.0129	0.0088	0.0029	0.0025	0.0002	0.0986
65 mph	0.0059	0.0007	0.0028	0.0017	0.0012	0.0004	-	-	0.0126
70 mph	-	-	-	-	-	-	-	-	-
total	0.6246	0.0689	0.2964	0.1775	0.1191	0.0398	0.0927	0.0072	1.4263

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0038	0.0004	0.0018	0.0023	0.0018	0.0006	-	-	0.0108
15 mph	0.0034	0.0004	0.0016	0.0020	0.0016	0.0005	-	-	0.0095
20 mph	0.0030	0.0003	0.0014	0.0018	0.0015	0.0005	0.0079	0.0006	0.0171
25 mph	0.0055	0.0006	0.0026	0.0033	0.0027	0.0009	0.0126	0.0010	0.0291
30 mph	0.0102	0.0011	0.0048	0.0060	0.0050	0.0017	0.0199	0.0015	0.0503
35 mph	0.0217	0.0024	0.0102	0.0128	0.0108	0.0036	0.0186	0.0015	0.0816
40 mph	0.0230	0.0025	0.0109	0.0136	0.0116	0.0038	0.0163	0.0013	0.0830
45 mph	0.0178	0.0020	0.0084	0.0106	0.0090	0.0030	0.0114	0.0009	0.0631
50 mph	0.0198	0.0022	0.0094	0.0118	0.0101	0.0033	0.0057	0.0004	0.0627
55 mph	0.0112	0.0012	0.0053	0.0067	0.0057	0.0019	0.0029	0.0002	0.0350
60 mph	0.0070	0.0008	0.0033	0.0042	0.0036	0.0012	0.2074	0.0164	0.2438
65 mph	0.0024	0.0003	0.0012	0.0015	0.0012	0.0004	-	-	0.0070
70 mph	0.1176	0.0142	0.0557	0.0725	0.0633	0.0191	-	-	0.3426
total	0.2465	0.0284	0.1167	0.1490	0.1279	0.0405	0.3026	0.0239	1.0356

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0014	0.0004	0.0007	0.0000	0.0025
15 mph	0.0418	0.0047	0.0200	0.0067	0.0046	0.0016	0.0040	0.0003	0.0837
25 mph	-	-	-	-	0.0074	0.0025	0.0143	0.0011	0.0253
35 mph	0.1292	0.0141	0.0610	0.0189	-	-	-	-	0.2233
total	0.1710	0.0188	0.0810	0.0256	0.0135	0.0045	0.0189	0.0014	0.3347

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0014	0.0004	0.0007	0.0000	0.0025
10 mph	0.0500	0.0056	0.0240	0.0155	0.0103	0.0035	0.0083	0.0006	0.1180
15 mph	0.0613	0.0068	0.0294	0.0133	0.0092	0.0032	0.0064	0.0005	0.1302
20 mph	0.0322	0.0036	0.0154	0.0101	0.0069	0.0023	0.0123	0.0009	0.0837
25 mph	0.1384	0.0152	0.0658	0.0409	0.0351	0.0118	0.0488	0.0038	0.3598
30 mph	0.1461	0.0160	0.0691	0.0445	0.0308	0.0103	0.0382	0.0030	0.3580
35 mph	0.2559	0.0280	0.1207	0.0614	0.0309	0.0103	0.0263	0.0021	0.5356
40 mph	0.0565	0.0062	0.0266	0.0231	0.0180	0.0060	0.0245	0.0019	0.1628
45 mph	0.0448	0.0049	0.0211	0.0182	0.0143	0.0047	0.0178	0.0014	0.1273
50 mph	0.0465	0.0051	0.0220	0.0194	0.0153	0.0050	0.0158	0.0013	0.1305
55 mph	0.0327	0.0037	0.0156	0.0129	0.0100	0.0032	0.0052	0.0004	0.0837
60 mph	0.0518	0.0059	0.0248	0.0171	0.0124	0.0040	0.2098	0.0166	0.3424
65 mph	0.0083	0.0010	0.0040	0.0032	0.0024	0.0008	-	-	0.0196
70 mph	0.1176	0.0142	0.0557	0.0725	0.0633	0.0191	-	-	0.3426
total	1.0421	0.1161	0.4942	0.3521	0.2605	0.0848	0.4142	0.0326	2.7967

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0053	0.0000	0.0020	0.0045	0.0963	0.0758	0.6224	1.7135	2.5197
15 mph	0.0018	0.0000	0.0007	0.0015	0.0251	0.0201	0.1632	0.4438	0.6560
20 mph	0.0029	0.0000	0.0011	0.0025	0.0428	0.0343	0.2787	0.7579	1.1203
25 mph	0.0121	0.0001	0.0047	0.0106	0.1896	0.1530	1.3379	3.5101	5.2181
30 mph	0.0115	0.0001	0.0044	0.0101	0.1896	0.1519	1.0678	2.8017	4.2371
35 mph	0.0085	0.0001	0.0033	0.0075	0.1554	0.1245	0.4292	1.1276	1.8561
40 mph	0.0027	0.0000	0.0010	0.0023	0.0505	0.0400	0.4369	1.1505	1.6840
45 mph	0.0021	0.0000	0.0008	0.0019	0.0410	0.0321	0.3313	0.8743	1.2836
50 mph	0.0021	0.0000	0.0008	0.0019	0.0430	0.0333	0.5312	1.3955	2.0079
55 mph	0.0018	0.0000	0.0007	0.0016	0.0359	0.0275	0.1261	0.3353	0.5290
60 mph	0.0039	0.0000	0.0015	0.0035	0.0726	0.0553	0.1348	0.3556	0.6271
65 mph	0.0005	0.0000	0.0002	0.0005	0.0092	0.0069	-	-	0.0174
70 mph	-	-	-	-	-	-	-	-	-
total	0.0552	0.0004	0.0213	0.0484	0.9510	0.7549	5.4594	14.4657	21.7563

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0004	0.0000	0.0002	0.0008	0.0206	0.0162	-	-	0.0383
15 mph	0.0004	0.0000	0.0001	0.0007	0.0134	0.0108	-	-	0.0254
20 mph	0.0003	0.0000	0.0001	0.0005	0.0115	0.0092	0.5025	1.3663	1.8904
25 mph	0.0005	0.0000	0.0002	0.0009	0.0203	0.0164	0.7674	2.0134	2.8192
30 mph	0.0009	0.0000	0.0003	0.0016	0.0370	0.0296	1.1550	3.0304	4.2548
35 mph	0.0018	0.0000	0.0007	0.0032	0.0833	0.0668	1.0316	2.7103	3.8977
40 mph	0.0018	0.0000	0.0007	0.0034	0.0902	0.0716	0.8664	2.2815	3.3156
45 mph	0.0014	0.0000	0.0005	0.0026	0.0704	0.0551	0.5972	1.5761	2.3034
50 mph	0.0016	0.0000	0.0006	0.0029	0.0831	0.0643	0.2947	0.7741	1.2212
55 mph	0.0009	0.0000	0.0004	0.0017	0.0482	0.0369	0.1516	0.4030	0.6427
60 mph	0.0006	0.0000	0.0002	0.0011	0.0292	0.0222	11.3385	29.9187	41.3105
65 mph	0.0002	0.0000	0.0001	0.0004	0.0099	0.0074	-	-	0.0181
70 mph	0.0113	0.0001	0.0043	0.0211	0.4634	0.3495	-	-	0.8496
total	0.0222	0.0001	0.0084	0.0409	0.9804	0.7560	16.7048	44.0738	62.5867

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0003	0.0012	0.0023	0.0042
15 mph	0.0045	0.0000	0.0017	0.0022	0.0389	0.0312	0.2672	0.7268	1.0727
25 mph	-	-	-	-	0.0560	0.0451	0.8717	2.2870	3.2598
35 mph	0.0105	0.0001	0.0040	0.0048	-	-	-	-	0.0194
total	0.0150	0.0001	0.0058	0.0070	0.0953	0.0767	1.1402	3.0161	4.3561

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0003	0.0012	0.0023	0.0042
10 mph	0.0058	0.0000	0.0022	0.0052	0.1169	0.0920	0.6224	1.7135	2.5580
15 mph	0.0066	0.0000	0.0026	0.0044	0.0774	0.0621	0.4304	1.1705	1.7541
20 mph	0.0032	0.0000	0.0012	0.0030	0.0542	0.0435	0.7813	2.1242	3.0107
25 mph	0.0126	0.0001	0.0049	0.0115	0.2659	0.2145	2.9770	7.8106	11.2970
30 mph	0.0124	0.0001	0.0048	0.0117	0.2266	0.1815	2.2227	5.8321	8.4919
35 mph	0.0208	0.0001	0.0080	0.0156	0.2388	0.1913	1.4607	3.8379	5.7732
40 mph	0.0045	0.0000	0.0017	0.0057	0.1406	0.1116	1.3034	3.4320	4.9995
45 mph	0.0036	0.0000	0.0014	0.0045	0.1114	0.0871	0.9285	2.4504	3.5869
50 mph	0.0037	0.0000	0.0014	0.0048	0.1261	0.0976	0.8259	2.1696	3.2292
55 mph	0.0027	0.0000	0.0010	0.0033	0.0841	0.0645	0.2777	0.7383	1.1717
60 mph	0.0045	0.0000	0.0017	0.0046	0.1018	0.0775	11.4732	30.2743	41.9376
65 mph	0.0008	0.0000	0.0003	0.0009	0.0191	0.0144	-	-	0.0355
70 mph	0.0113	0.0001	0.0043	0.0211	0.4634	0.3495	-	-	0.8496
total	0.0924	0.0006	0.0355	0.0963	2.0267	1.5876	23.3044	61.5556	88.6991

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.2379	0.2379
15 mph								0.0665	0.0665
20 mph								0.1162	0.1162
25 mph								0.5889	0.5889
30 mph								0.5062	0.5062
35 mph								0.2174	0.2174
40 mph								0.2321	0.2321
45 mph								0.1793	0.1793
50 mph								0.2826	0.2826
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.4272	2.4272

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.2094	0.2094
25 mph								0.3378	0.3378
30 mph								0.5475	0.5475
35 mph								0.5226	0.5226
40 mph								0.4603	0.4603
45 mph								0.3233	0.3233
50 mph								0.1568	0.1568
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.6173	1.6173

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0004	0.0004
15 mph								0.1090	0.1090
25 mph								0.3837	0.3837
35 mph								-	-
total	-	-	-	-	-	-	-	0.4931	0.4931

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0004	0.0004
10 mph								0.2379	0.2379
15 mph								0.1755	0.1755
20 mph								0.3256	0.3256
25 mph								1.3103	1.3103
30 mph								1.0537	1.0537
35 mph								0.7400	0.7400
40 mph								0.6924	0.6924
45 mph								0.5026	0.5026
50 mph								0.4393	0.4393
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.4780	5.4780

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0018	0.0007	0.0019	0.0027	0.0072
10 mph	0.0558	0.0057	0.0262	0.0208	0.1272	0.0956	0.6306	1.9520	2.9139
15 mph	0.0680	0.0069	0.0319	0.0177	0.0867	0.0653	0.4368	1.3466	2.0598
20 mph	0.0353	0.0036	0.0166	0.0131	0.0611	0.0459	0.7936	2.4507	3.4200
25 mph	0.1510	0.0153	0.0706	0.0525	0.3010	0.2264	3.0258	9.1247	12.9672
30 mph	0.1584	0.0161	0.0739	0.0562	0.2574	0.1919	2.2609	6.8888	9.9036
35 mph	0.2767	0.0281	0.1287	0.0770	0.2697	0.2016	1.4871	4.5800	7.0488
40 mph	0.0609	0.0062	0.0283	0.0288	0.1586	0.1176	1.3279	4.1263	5.8547
45 mph	0.0483	0.0049	0.0225	0.0227	0.1257	0.0918	0.9463	2.9545	4.2168
50 mph	0.0502	0.0052	0.0234	0.0242	0.1415	0.1026	0.8417	2.6102	3.7990
55 mph	0.0354	0.0037	0.0166	0.0162	0.0941	0.0677	0.2830	0.7387	1.2554
60 mph	0.0563	0.0059	0.0265	0.0217	0.1141	0.0815	11.6831	30.2910	42.2800
65 mph	0.0091	0.0010	0.0043	0.0041	0.0215	0.0152	-	-	0.0551
70 mph	0.1290	0.0143	0.0600	0.0936	0.5267	0.3687	-	-	1.1922
STREX	0.1216	0.0100	0.0518	0.1088	0.0543	0.0166	0.0226	0.0000	0.3855
total	1.2561	0.1267	0.5814	0.5572	2.3415	1.6890	23.7412	67.0662	**97.3593**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0207	0.0227	0.0238	0.0255	0.0348	0.0349	0.0295	0.0046
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1216	0.0100	0.0518	0.1088	0.0543	0.0166	0.0226	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1216	0.0100	0.0518	0.1088	0.0543	0.0166	0.0226	0.0000

World Logistics Center
Mobile Emissions - Medium EV 2030 (Net) - Mitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.9712	1.9903	3.3637	2.4465
10 mph	0.0054	0.0112	0.0090	0.0107	0.0114	0.0094	0.0206	0.3096
15 mph	0.0036	0.0076	0.0061	0.0072	0.0077	0.0063	0.0138	0.2055
20 mph	0.0026	0.0054	0.0043	0.0051	0.0056	0.0044	0.0097	0.1447
25 mph	0.0019	0.0041	0.0032	0.0038	0.0042	0.0033	0.0071	0.1072
30 mph	0.0015	0.0032	0.0025	0.0029	0.0033	0.0026	0.0055	0.0838
35 mph	0.0012	0.0026	0.0020	0.0024	0.0028	0.0021	0.0045	0.0692
40 mph	0.0010	0.0023	0.0018	0.0021	0.0024	0.0019	0.0039	0.0604
45 mph	0.0010	0.0021	0.0016	0.0019	0.0023	0.0017	0.0036	0.0554
50 mph	0.0009	0.0020	0.0015	0.0019	0.0022	0.0016	0.0034	0.0537
55 mph	0.0009	0.0020	0.0016	0.0019	0.0023	0.0017	0.0035	0.0547
60 mph	0.0010	0.0021	0.0016	0.0020	0.0024	0.0018	0.0038	0.0585
65 mph	0.0011	0.0023	0.0018	0.0022	0.0028	0.0020		
70 mph	0.0012	0.0028	0.0019	0.0024	0.0030	0.0020		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0235	0.1100
10 mph	0.0041	0.0159	0.0091	0.0044	0.0256	0.0257	0.0015	0.0038
15 mph	0.0021	0.0100	0.0044	0.0022	0.0129	0.0130	0.0008	0.0021
20 mph	0.0009	0.0065	0.0017	0.0009	0.0056	0.0056	0.0006	0.0013
25 mph	0.0005	0.0050	0.0011	0.0005	0.0035	0.0035	0.0005	0.0011
30 mph	0.0004	0.0041	0.0008	0.0004	0.0028	0.0028	0.0004	0.0009
35 mph	0.0003	0.0035	0.0006	0.0003	0.0023	0.0023	0.0003	0.0007
40 mph	0.0003	0.0032	0.0005	0.0003	0.0020	0.0019	0.0003	0.0006
45 mph	0.0002	0.0030	0.0004	0.0002	0.0017	0.0017	0.0002	0.0006
50 mph	0.0002	0.0030	0.0004	0.0002	0.0016	0.0016	0.0002	0.0006
55 mph	0.0002	0.0031	0.0003	0.0002	0.0015	0.0015	0.0003	0.0006
60 mph	0.0002	0.0033	0.0003	0.0002	0.0015	0.0015	0.0003	0.0007
65 mph	0.0002	0.0038	0.0003	0.0002	0.0017	0.0016		
70 mph	0.0002	0.0043	0.0003	0.0002	0.0025	0.0023		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.9094
10 mph								11.2382
15 mph								7.7245
20 mph								5.4622
25 mph								4.0087
30 mph								2.9733
35 mph								2.2080
40 mph								1.6429
45 mph								1.2267
50 mph								0.9213
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0492	0.0076	0.0302	0.0188	0.0099	0.0025	0.0091	0.0010	0.1283
15 mph	0.0131	0.0021	0.0081	0.0050	0.0027	0.0007	0.0020	0.0002	0.0339
20 mph	0.0185	0.0029	0.0115	0.0071	0.0039	0.0009	0.0029	0.0003	0.0480
25 mph	0.0681	0.0110	0.0425	0.0264	0.0145	0.0035	0.0116	0.0012	0.1787
30 mph	0.0582	0.0095	0.0364	0.0227	0.0126	0.0030	0.0081	0.0009	0.1513
35 mph	0.0390	0.0064	0.0244	0.0153	0.0086	0.0020	0.0030	0.0003	0.0990
40 mph	0.0113	0.0019	0.0071	0.0044	0.0025	0.0006	0.0029	0.0003	0.0310
45 mph	0.0086	0.0014	0.0054	0.0034	0.0020	0.0005	0.0021	0.0002	0.0236
50 mph	0.0083	0.0014	0.0052	0.0033	0.0019	0.0004	0.0033	0.0004	0.0242
55 mph	0.0068	0.0011	0.0042	0.0026	0.0016	0.0004	0.0008	0.0001	0.0175
60 mph	0.0143	0.0023	0.0088	0.0056	0.0034	0.0008	0.0008	0.0001	0.0360
65 mph	0.0020	0.0003	0.0012	0.0008	0.0005	0.0001	-	-	0.0049
70 mph	-	-	-	-	-	-	-	-	-
total	0.2973	0.0478	0.1849	0.1154	0.0639	0.0153	0.0467	0.0050	0.7763

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0041	0.0006	0.0025	0.0032	0.0021	0.0005	-	-	0.0131
15 mph	0.0027	0.0004	0.0017	0.0022	0.0014	0.0004	-	-	0.0088
20 mph	0.0019	0.0003	0.0012	0.0015	0.0010	0.0003	0.0052	0.0005	0.0120
25 mph	0.0028	0.0005	0.0018	0.0023	0.0015	0.0004	0.0067	0.0007	0.0166
30 mph	0.0044	0.0007	0.0027	0.0036	0.0024	0.0006	0.0088	0.0009	0.0242
35 mph	0.0081	0.0013	0.0050	0.0066	0.0046	0.0011	0.0072	0.0008	0.0347
40 mph	0.0078	0.0013	0.0049	0.0064	0.0045	0.0011	0.0057	0.0006	0.0322
45 mph	0.0057	0.0009	0.0036	0.0047	0.0034	0.0008	0.0038	0.0004	0.0233
50 mph	0.0062	0.0010	0.0039	0.0051	0.0037	0.0008	0.0018	0.0002	0.0227
55 mph	0.0035	0.0006	0.0022	0.0029	0.0021	0.0005	0.0009	0.0001	0.0127
60 mph	0.0022	0.0004	0.0014	0.0018	0.0014	0.0003	0.0706	0.0076	0.0856
65 mph	0.0008	0.0001	0.0005	0.0007	0.0005	0.0001	-	-	0.0028
70 mph	0.0410	0.0071	0.0246	0.0338	0.0254	0.0053	-	-	0.1371
total	0.0911	0.0153	0.0558	0.0746	0.0542	0.0120	0.1107	0.0119	0.4257

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2115	0.0651	0.1671	0.0012	0.4449
15 mph	0.0338	0.0053	0.0209	0.0073	0.0041	0.0010	0.0033	0.0003	0.0762
25 mph	-	-	-	-	0.0043	0.0010	0.0076	0.0008	0.0137
35 mph	0.0480	0.0079	0.0300	0.0097	-	-	-	-	0.0956
total	0.0818	0.0132	0.0509	0.0170	0.2199	0.0671	0.1780	0.0024	0.6304

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2115	0.0651	0.1671	0.0012	0.4449
10 mph	0.0533	0.0082	0.0327	0.0220	0.0120	0.0030	0.0091	0.0010	0.1414
15 mph	0.0497	0.0078	0.0307	0.0145	0.0082	0.0020	0.0054	0.0006	0.1188
20 mph	0.0204	0.0032	0.0127	0.0087	0.0049	0.0012	0.0081	0.0008	0.0599
25 mph	0.0709	0.0114	0.0442	0.0287	0.0203	0.0049	0.0258	0.0027	0.2090
30 mph	0.0626	0.0102	0.0391	0.0263	0.0150	0.0036	0.0169	0.0018	0.1754
35 mph	0.0950	0.0156	0.0594	0.0316	0.0132	0.0031	0.0102	0.0011	0.2293
40 mph	0.0191	0.0031	0.0119	0.0108	0.0071	0.0016	0.0086	0.0009	0.0632
45 mph	0.0143	0.0024	0.0090	0.0081	0.0053	0.0012	0.0059	0.0006	0.0469
50 mph	0.0145	0.0024	0.0090	0.0083	0.0056	0.0013	0.0051	0.0006	0.0469
55 mph	0.0103	0.0017	0.0064	0.0055	0.0037	0.0008	0.0017	0.0002	0.0302
60 mph	0.0165	0.0027	0.0102	0.0074	0.0047	0.0011	0.0714	0.0077	0.1216
65 mph	0.0028	0.0004	0.0017	0.0014	0.0010	0.0002	-	-	0.0076
70 mph	0.0410	0.0071	0.0246	0.0338	0.0254	0.0053	-	-	0.1371
total	0.4703	0.0762	0.2916	0.2071	0.3380	0.0944	0.3355	0.0193	1.8324

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0004	0.0000	0.0002	0.0002	0.0175	0.0124	0.0035	0.0162	0.0504
15 mph	0.0001	0.0000	0.0000	0.0000	0.0035	0.0025	0.0006	0.0030	0.0098
20 mph	0.0001	0.0000	0.0000	0.0000	0.0030	0.0021	0.0009	0.0037	0.0099
25 mph	0.0002	0.0000	0.0001	0.0001	0.0097	0.0068	0.0038	0.0167	0.0375
30 mph	0.0002	0.0000	0.0001	0.0001	0.0083	0.0058	0.0028	0.0123	0.0296
35 mph	0.0001	0.0000	0.0001	0.0001	0.0056	0.0039	0.0010	0.0046	0.0154
40 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0011	0.0010	0.0044	0.0081
45 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0008	0.0007	0.0032	0.0060
50 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0008	0.0012	0.0052	0.0083
55 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	0.0003	0.0013	0.0031
60 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0011	0.0003	0.0016	0.0048
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0011	0.0000	0.0007	0.0006	0.0544	0.0382	0.0160	0.0723	0.1832

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0038	0.0027	-	-	0.0065
15 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0013	-	-	0.0033
20 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	0.0016	0.0067	0.0097
25 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0022	0.0096	0.0136
30 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0011	0.0030	0.0133	0.0191
35 mph	0.0000	0.0000	0.0000	0.0000	0.0030	0.0021	0.0025	0.0110	0.0186
40 mph	0.0000	0.0000	0.0000	0.0000	0.0029	0.0020	0.0019	0.0087	0.0155
45 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0014	0.0013	0.0058	0.0106
50 mph	0.0000	0.0000	0.0000	0.0000	0.0021	0.0015	0.0007	0.0029	0.0072
55 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0008	0.0004	0.0016	0.0039
60 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0293	0.1313	0.1617
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	0.0001	0.0000	0.0000	0.0001	0.0172	0.0109	-	-	0.0283
total	0.0002	0.0000	0.0001	0.0002	0.0384	0.0257	0.0427	0.1909	0.2983

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0125	0.0088	0.0060	0.0524	0.0797
15 mph	0.0002	0.0000	0.0001	0.0001	0.0055	0.0039	0.0010	0.0049	0.0157
25 mph	-	-	-	-	0.0029	0.0020	0.0024	0.0109	0.0182
35 mph	0.0001	0.0000	0.0001	0.0000	-	-	-	-	0.0003
total	0.0003	0.0000	0.0002	0.0001	0.0209	0.0147	0.0095	0.0682	0.1139

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0125	0.0088	0.0060	0.0524	0.0797
10 mph	0.0004	0.0000	0.0003	0.0002	0.0213	0.0150	0.0035	0.0162	0.0569
15 mph	0.0003	0.0000	0.0002	0.0001	0.0109	0.0077	0.0017	0.0078	0.0288
20 mph	0.0001	0.0000	0.0000	0.0000	0.0039	0.0027	0.0024	0.0104	0.0196
25 mph	0.0002	0.0000	0.0001	0.0001	0.0136	0.0096	0.0084	0.0373	0.0693
30 mph	0.0002	0.0000	0.0001	0.0001	0.0100	0.0070	0.0057	0.0256	0.0487
35 mph	0.0003	0.0000	0.0001	0.0001	0.0087	0.0060	0.0035	0.0155	0.0343
40 mph	0.0001	0.0000	0.0000	0.0000	0.0045	0.0031	0.0029	0.0130	0.0237
45 mph	0.0000	0.0000	0.0000	0.0000	0.0032	0.0022	0.0020	0.0090	0.0166
50 mph	0.0000	0.0000	0.0000	0.0000	0.0032	0.0022	0.0018	0.0081	0.0155
55 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0013	0.0007	0.0030	0.0069
60 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0016	0.0296	0.1329	0.1665
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	-	-	0.0008
70 mph	0.0001	0.0000	0.0000	0.0001	0.0172	0.0109	-	-	0.0283
total	0.0017	0.0000	0.0010	0.0009	0.1137	0.0785	0.0682	0.3314	0.5955

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								3.0329	3.0329
15 mph								0.6949	0.6949
20 mph								0.9828	0.9828
25 mph								3.9668	3.9668
30 mph								2.6747	2.6747
35 mph								0.8938	0.8938
40 mph								0.7390	0.7390
45 mph								0.4414	0.4414
50 mph								0.5387	0.5387
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	13.9650	13.9650

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1.7717	1.7717
25 mph								2.2754	2.2754
30 mph								2.8931	2.8931
35 mph								2.1484	2.1484
40 mph								1.4654	1.4654
45 mph								0.7957	0.7957
50 mph								0.2988	0.2988
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	9.0886	9.0886

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0577	0.0577
15 mph								1.1381	1.1381
25 mph								2.5845	2.5845
35 mph								-	-
total	-	-	-	-	-	-	-	3.7803	3.7803

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0577	0.0577
10 mph								3.0329	3.0329
15 mph								1.8330	1.8330
20 mph								2.7544	2.7544
25 mph								8.8267	8.8267
30 mph								5.5679	5.5679
35 mph								3.0423	3.0423
40 mph								2.2044	2.2044
45 mph								1.2371	1.2371
50 mph								0.8375	0.8375
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	29.3939	29.3939

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2240	0.0739	0.1731	0.1114	0.5823
10 mph	0.0537	0.0082	0.0330	0.0223	0.0333	0.0180	0.0126	3.0501	3.2312
15 mph	0.0500	0.0078	0.0309	0.0146	0.0192	0.0098	0.0071	1.8414	1.9806
20 mph	0.0204	0.0032	0.0127	0.0087	0.0088	0.0039	0.0105	2.7657	2.8339
25 mph	0.0711	0.0114	0.0443	0.0288	0.0339	0.0144	0.0342	8.8667	9.1049
30 mph	0.0627	0.0102	0.0392	0.0264	0.0250	0.0105	0.0227	5.5953	5.7920
35 mph	0.0953	0.0156	0.0596	0.0317	0.0219	0.0091	0.0136	3.0589	3.3058
40 mph	0.0191	0.0031	0.0120	0.0108	0.0116	0.0048	0.0115	2.2183	2.2912
45 mph	0.0144	0.0024	0.0090	0.0081	0.0086	0.0035	0.0079	1.2468	1.3006
50 mph	0.0146	0.0024	0.0091	0.0084	0.0088	0.0035	0.0070	0.8462	0.9000
55 mph	0.0103	0.0017	0.0064	0.0055	0.0056	0.0022	0.0024	0.0031	0.0372
60 mph	0.0165	0.0027	0.0102	0.0074	0.0071	0.0027	0.1011	0.1406	0.2881
65 mph	0.0028	0.0004	0.0017	0.0014	0.0015	0.0005	-	-	0.0084
70 mph	0.0410	0.0071	0.0246	0.0338	0.0426	0.0162	-	-	0.1654
STREX	0.1864	0.0180	0.0939	0.2107	0.0253	0.0078	0.0255	0.0000	0.5675
total	0.6583	0.0943	0.3864	0.4187	0.4770	0.1807	0.4292	29.7445	**32.3892**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0317	0.0411	0.0432	0.0494	0.0162	0.0163	0.0333	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1864	0.0180	0.0939	0.2107	0.0253	0.0078	0.0255	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1864	0.0180	0.0939	0.2107	0.0253	0.0078	0.0255	0.0000

World Logistics Center
Mobile Emissions - Medium EV 2030 (Net) - Mitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,216.28	4,926.28	12,488.75	20,655.89
10 mph	430.46	504.33	515.50	634.80	1,384.39	1,594.48	2,850.60	3,361.67
15 mph	351.85	412.20	421.22	518.34	1,131.02	1,301.73	2,332.73	2,758.43
20 mph	292.64	342.83	350.33	431.15	940.41	1,082.62	1,937.50	2,298.30
25 mph	250.19	293.17	299.62	369.00	803.82	925.23	1,657.70	1,967.59
30 mph	222.05	260.23	266.02	327.95	713.55	821.41	1,472.76	1,746.15
35 mph	205.93	241.37	246.78	304.66	661.82	762.03	1,366.48	1,616.96
40 mph	199.52	233.86	239.10	295.23	640.72	737.77	1,322.23	1,563.25
45 mph	200.60	235.01	240.22	296.52	643.07	740.46	1,327.96	1,564.56
50 mph	206.60	242.00	247.31	305.53	662.01	761.96	1,366.03	1,607.00
55 mph	214.64	251.37	256.98	317.62	689.10	793.10	1,419.94	1,669.61
60 mph	221.02	259.19	265.18	328.18	716.98	825.17	1,476.80	1,734.25
65 mph	226.43	265.98	272.23	337.51	738.74	849.85		
70 mph	229.39	269.76	274.97	345.23	749.14	858.85		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,420.19	5,521.81	5,667.64	5,278.26
10 mph	362.74	771.23	487.12	606.30	894.25	1,000.67	1,741.69	2,560.49
15 mph	298.39	641.51	404.03	513.74	581.99	663.89	1,369.94	1,989.30
20 mph	244.77	526.75	331.90	426.71	496.66	566.92	1,170.14	1,698.76
25 mph	205.23	439.99	278.30	361.32	440.41	505.13	1,021.12	1,430.51
30 mph	177.81	378.47	240.63	312.57	400.37	456.05	896.46	1,255.96
35 mph	160.80	339.14	217.13	284.20	401.15	456.93	800.70	1,123.29
40 mph	150.49	316.01	202.63	265.96	390.60	440.71	733.66	1,031.52
45 mph	145.38	304.96	195.38	255.91	381.17	423.85	695.34	979.84
50 mph	145.83	304.90	195.62	257.42	399.90	439.85	686.12	962.46
55 mph	152.57	318.96	204.50	271.62	417.42	454.72	706.00	1,002.14
60 mph	165.42	345.76	221.55	294.11	421.41	456.14	754.35	1,062.84
65 mph	186.07	385.35	248.78	330.95	427.89	458.51		
70 mph	202.44	401.64	266.23	360.81	436.41	468.02		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,325.64
10 mph								4,324.49
15 mph								3,628.72
20 mph								3,167.69
25 mph								2,919.19
30 mph								2,760.29
35 mph								2,634.53
40 mph								2,531.45
45 mph								2,444.84
50 mph								2,370.73
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	3,894.50	340.24	1,725.75	1,112.91	1,199.74	421.25	1,264.76	10.44	9,969.59
15 mph	1,273.32	111.23	564.05	363.49	392.07	137.56	345.00	2.86	3,189.58
20 mph	2,118.06	185.03	938.24	604.69	651.98	228.82	573.09	4.76	5,304.68
25 mph	9,054.19	791.14	4,012.24	2,587.67	2,786.43	977.76	2,696.80	22.41	22,928.63
30 mph	8,839.30	772.48	3,918.44	2,529.73	2,720.87	954.85	2,178.12	18.08	21,931.88
35 mph	6,707.20	586.21	2,974.19	1,922.84	2,064.79	724.77	909.42	7.53	15,896.95
40 mph	2,166.16	189.32	960.51	621.10	666.32	233.90	977.75	8.09	5,823.15
45 mph	1,814.87	158.54	804.20	519.85	557.30	195.63	785.58	6.48	4,842.45
50 mph	1,869.22	163.26	827.94	535.64	573.71	201.31	1,313.17	10.81	5,495.05
55 mph	1,553.52	135.67	688.22	445.46	477.76	167.63	315.00	2.59	3,785.85
60 mph	3,199.50	279.78	1,420.38	920.56	994.16	348.81	327.61	2.69	7,493.49
65 mph	409.71	35.89	182.27	118.34	128.04	44.91	-	-	919.16
70 mph	-	-	-	-	-	-	-	-	-
total	42,899.55	3,748.78	19,016.43	12,282.29	13,213.16	4,637.18	11,686.30	96.74	107,580.43

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	322.10	28.14	142.73	192.23	257.27	90.33	-	-	1,032.79
15 mph	263.28	23.00	116.63	156.96	210.18	73.75	-	-	843.79
20 mph	218.97	19.13	97.00	130.56	174.76	61.33	1,033.13	8.58	1,743.46
25 mph	374.42	32.72	165.92	223.48	298.75	104.83	1,546.90	12.85	2,759.87
30 mph	664.60	58.08	294.62	397.24	530.41	186.14	2,355.97	19.55	4,506.60
35 mph	1,386.81	121.21	614.95	830.33	1,106.90	388.54	2,185.95	18.11	6,652.80
40 mph	1,492.95	130.48	661.99	894.02	1,190.68	417.97	1,938.90	16.05	6,743.03
45 mph	1,200.80	104.90	532.09	718.35	956.03	335.59	1,416.21	11.68	5,275.65
50 mph	1,391.35	121.52	616.27	832.69	1,107.21	388.50	728.41	6.00	5,191.95
55 mph	803.03	70.13	355.75	480.91	640.30	224.66	378.58	3.12	2,956.46
60 mph	496.16	43.39	220.26	298.14	399.72	140.24	27,561.62	226.56	29,386.09
65 mph	169.43	14.84	75.37	102.21	137.28	48.15	-	-	547.28
70 mph	7,895.78	692.38	3,502.08	4,809.02	6,403.95	2,238.17	-	-	25,541.38
total	16,679.66	1,459.91	7,395.67	10,066.12	13,413.44	4,698.20	39,145.67	322.49	93,181.15

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	452.33	161.12	620.56	10.35	1,244.35
15 mph	3,279.49	286.49	1,452.75	527.56	609.20	213.75	565.04	4.68	6,938.97
25 mph	-	-	-	-	822.28	288.54	1,757.09	14.60	2,882.51
35 mph	8,258.54	721.79	3,662.10	1,226.01	-	-	-	-	13,868.44
total	11,538.03	1,008.28	5,114.85	1,753.58	1,883.82	663.41	2,942.69	29.62	24,934.28

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	452.33	161.12	620.56	10.35	1,244.35
10 mph	4,216.59	368.38	1,868.48	1,305.14	1,457.01	511.58	1,264.76	10.44	11,002.38
15 mph	4,816.09	420.72	2,133.43	1,048.02	1,211.45	425.06	910.04	7.53	10,972.34
20 mph	2,337.03	204.15	1,035.24	735.26	826.74	290.15	1,606.22	13.34	7,048.14
25 mph	9,428.60	823.85	4,178.15	2,811.16	3,907.46	1,371.13	6,000.79	49.86	28,571.01
30 mph	9,503.90	830.56	4,213.06	2,926.97	3,251.28	1,140.99	4,534.09	37.63	26,438.48
35 mph	16,352.55	1,429.21	7,251.24	3,979.18	3,171.69	1,113.30	3,095.37	25.64	36,418.18
40 mph	3,659.11	319.81	1,622.50	1,515.11	1,856.99	651.86	2,916.64	24.14	12,566.18
45 mph	3,015.68	263.44	1,336.29	1,238.19	1,513.32	531.22	2,201.80	18.16	10,118.10
50 mph	3,260.57	284.79	1,444.21	1,368.33	1,680.92	589.81	2,041.58	16.81	10,687.01
55 mph	2,356.55	205.79	1,043.97	926.37	1,118.05	392.28	693.58	5.71	6,742.30
60 mph	3,695.65	323.16	1,640.64	1,218.70	1,393.88	489.05	27,889.24	229.25	36,879.57
65 mph	579.14	50.73	257.64	220.55	265.33	93.05	-	-	1,466.43
70 mph	7,895.78	692.38	3,502.08	4,809.02	6,403.95	2,238.17	-	-	25,541.38
total	71,117.24	6,216.97	31,526.95	24,101.99	28,510.41	9,998.78	53,774.66	448.85	225,695.86

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	33.94	0.22	13.01	28.33	612.38	482.02	3,959.35	10,901.07	16,030.32
15 mph	11.17	0.07	4.32	9.60	159.42	127.92	1,038.09	2,823.10	4,173.68
20 mph	18.32	0.12	7.09	15.95	272.09	218.47	1,773.37	4,821.55	7,126.96
25 mph	76.81	0.50	29.73	67.53	1,206.37	973.28	8,511.43	22,331.05	33,196.70
30 mph	73.20	0.47	28.28	64.26	1,206.36	966.57	6,793.03	17,823.85	26,956.02
35 mph	54.16	0.35	20.88	47.81	988.95	792.36	2,730.32	7,173.49	11,808.31
40 mph	16.90	0.11	6.49	14.91	320.98	254.75	2,779.70	7,319.36	10,713.20
45 mph	13.60	0.09	5.22	11.96	261.03	204.16	2,107.61	5,562.13	8,165.80
50 mph	13.64	0.09	5.23	12.03	273.85	211.87	3,379.45	8,878.10	12,774.26
55 mph	11.42	0.07	4.37	10.15	228.68	175.23	802.47	2,133.27	3,365.66
60 mph	24.76	0.16	9.47	21.99	461.73	351.55	857.43	2,262.48	3,989.57
65 mph	3.48	0.02	1.33	3.09	58.60	44.17	-	-	110.70
70 mph	-	-	-	-	-	-	-	-	-
total	351.40	2.27	135.42	307.61	6,050.42	4,802.36	34,732.25	92,029.46	138,411.19

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	2.81	0.02	1.08	4.89	131.32	103.36	-	-	243.47
15 mph	2.31	0.02	0.89	4.15	85.46	68.57	-	-	161.40
20 mph	1.89	0.01	0.73	3.44	72.93	58.56	3,196.95	8,692.07	12,026.60
25 mph	3.18	0.02	1.23	5.83	129.34	104.35	4,882.18	12,809.16	17,935.30
30 mph	5.50	0.04	2.13	10.09	235.17	188.42	7,347.69	19,279.21	27,068.25
35 mph	11.20	0.07	4.32	20.64	530.16	424.77	6,562.79	17,242.71	24,796.66
40 mph	11.65	0.07	4.48	21.47	573.57	455.22	5,512.22	14,514.51	21,093.19
45 mph	9.00	0.06	3.45	16.52	447.78	350.24	3,799.51	10,027.15	14,653.71
50 mph	10.16	0.06	3.89	18.70	528.51	408.90	1,874.56	4,924.63	7,769.40
55 mph	5.90	0.04	2.26	10.96	306.48	234.85	964.44	2,563.83	4,088.76
60 mph	3.84	0.02	1.47	7.12	185.64	141.35	72,133.97	190,339.28	262,812.70
65 mph	1.44	0.01	0.55	2.67	62.83	47.36	-	-	114.86
70 mph	72.06	0.43	27.05	133.95	2,947.85	2,223.75	-	-	5,405.10
total	140.93	0.88	53.52	260.45	6,237.05	4,809.71	106,274.31	280,392.55	398,169.39

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	289.94	329.27	1,442.95	2,516.70	4,578.85
15 mph	28.76	0.19	11.12	13.94	247.71	198.76	1,700.20	4,623.71	6,824.38
25 mph	-	-	-	-	356.00	287.22	5,545.59	14,549.71	20,738.52
35 mph	66.69	0.43	25.71	30.48	-	-	-	-	123.30
total	95.45	0.62	36.83	44.42	893.65	815.25	8,688.73	21,690.12	32,265.06

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	289.94	329.27	1,442.95	2,516.70	4,578.85
10 mph	36.74	0.24	14.09	33.22	743.70	585.38	3,959.35	10,901.07	16,273.79
15 mph	42.24	0.28	16.33	27.68	492.59	395.25	2,738.29	7,446.81	11,159.46
20 mph	20.21	0.13	7.83	19.39	345.02	277.02	4,970.32	13,513.63	19,153.56
25 mph	79.98	0.52	30.96	73.36	1,691.72	1,364.86	18,939.20	49,689.92	71,870.52
30 mph	78.70	0.51	30.41	74.35	1,441.52	1,155.00	14,140.72	37,103.06	54,024.27
35 mph	132.05	0.85	50.90	98.93	1,519.11	1,217.13	9,293.11	24,416.20	36,728.27
40 mph	28.54	0.18	10.97	36.38	894.55	709.97	8,291.92	21,833.87	31,806.39
45 mph	22.60	0.14	8.67	28.48	708.81	554.40	5,907.12	15,589.28	22,819.51
50 mph	23.80	0.15	9.11	30.73	802.36	620.77	5,254.01	13,802.73	20,543.66
55 mph	17.32	0.11	6.63	21.11	535.15	410.08	1,766.91	4,697.10	7,454.42
60 mph	28.60	0.18	10.94	29.11	647.37	492.90	72,991.40	192,601.77	266,802.27
65 mph	4.92	0.03	1.88	5.76	121.44	91.53	-	-	225.56
70 mph	72.06	0.43	27.05	133.95	2,947.85	2,223.75	-	-	5,405.10
total	587.77	3.76	225.77	612.47	13,181.12	10,427.32	149,695.29	394,112.13	568,845.64

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1,167.08	1,167.08
15 mph								326.43	326.43
20 mph								569.92	569.92
25 mph								2,888.67	2,888.67
30 mph								2,483.12	2,483.12
35 mph								1,066.49	1,066.49
40 mph								1,138.63	1,138.63
45 mph								879.74	879.74
50 mph								1,386.24	1,386.24
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	11,906.33	11,906.33

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1,027.43	1,027.43
25 mph								1,656.95	1,656.95
30 mph								2,685.87	2,685.87
35 mph								2,563.50	2,563.50
40 mph								2,257.93	
45 mph								1,585.95	
50 mph								768.94	
55 mph								-	
60 mph								-	
65 mph								-	
70 mph								-	
total	-	-	-	-	-	-	-	7,933.75	7,933.75

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								160.96	160.96
15 mph								534.64	534.64
25 mph								1,882.10	1,882.10
35 mph								-	-
total	-	-	-	-	-	-	-	2,577.71	2,577.71

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								160.96	160.96
10 mph								1,167.08	1,167.08
15 mph								861.07	861.07
20 mph								1,597.35	1,597.35
25 mph								6,427.72	6,427.72
30 mph								5,169.00	5,169.00
35 mph								3,629.99	3,629.99
40 mph								3,396.56	3,396.56
45 mph								2,465.69	2,465.69
50 mph								2,155.18	2,155.18
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	27,030.61	27,030.61

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	742.27	490.38	2,063.50	2,688.01	5,984.17
10 mph	4,253.34	368.62	1,882.57	1,338.36	2,200.70	1,096.97	5,224.11	12,078.59	28,443.25
15 mph	4,858.32	421.00	2,149.76	1,075.71	1,704.04	820.32	3,648.33	8,315.41	22,992.88
20 mph	2,357.25	204.29	1,043.07	754.65	1,171.76	567.17	6,576.54	15,124.32	27,799.05
25 mph	9,508.59	824.38	4,209.12	2,884.52	5,599.18	2,735.99	24,939.99	56,167.49	106,869.25
30 mph	9,582.61	831.07	4,243.47	3,001.32	4,692.80	2,295.98	18,674.81	42,309.68	85,631.74
35 mph	16,484.59	1,430.05	7,302.14	4,078.11	4,690.80	2,330.43	12,388.48	28,071.83	76,776.45
40 mph	3,687.65	319.99	1,633.47	1,551.49	2,751.54	1,361.84	11,208.56	25,254.57	47,769.12
45 mph	3,038.28	263.59	1,344.96	1,266.67	2,222.13	1,085.62	8,108.92	18,073.13	35,403.31
50 mph	3,284.37	284.94	1,453.32	1,399.05	2,483.28	1,210.58	7,295.59	15,974.72	33,385.85
55 mph	2,373.87	205.90	1,050.60	947.48	1,653.20	802.36	2,460.49	4,702.81	14,196.72
60 mph	3,724.26	323.34	1,651.58	1,247.81	2,041.25	981.95	100,880.63	192,831.02	303,681.84
65 mph	584.06	50.76	259.52	226.31	386.76	184.58	-	-	1,692.00
70 mph	7,967.84	692.81	3,529.14	4,942.97	9,351.80	4,461.92	-	-	30,946.48
STREX	268.95	23.60	122.16	296.32	27.14	9.44	26.10	0.22	773.93
total	71,973.96	6,244.33	31,874.88	25,010.78	41,718.67	20,435.55	203,496.05	421,591.81	**822,346.04**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	45.79	53.88	56.20	69.45	17.39	19.84	34.09	41.36
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	268.95	23.60	122.16	296.32	27.14	9.44	26.10	0.22
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	268.95	23.60	122.16	296.32	27.14	9.44	26.10	0.22

World Logistics Center
Mobile Emissions - Medium EV 2031 (Net) - Mitigated

Pounds per day

PM2.5 Exhaust	Dust	Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
10.05	42.89	42.27	95.21	7.63	101.97	34.83	873,647.20

Tons per year

PM2.5 Exhaust	Dust	Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
1.83	7.83	7.71	17.38	1.39	18.61	6.36	159,440.61

World Logistics Center
Mobile Emissions - Medium EV 2031 (Net) - Mitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	3,071.03	31.76	170.25	141,902.86	1,467.44	7,866.68
LDT1	229.00	0.10	12.56	10,581.30	4.46	580.41
LDT2	1,136.35	9.07	62.86	52,507.25	418.94	2,904.66
MDT	2,045.22	54.51	115.22	31,324.87	834.88	1,764.78
LHDT1	747.58	590.73	-	17,303.42	13,672.99	-
LHDT2	227.90	415.53	-	5,275.04	9,617.78	-
MHDT	368.20	1,886.55	-	16,431.87	84,191.95	-
HHDT	2.66	3,527.71	229.32	118.55	157,432.79	10,233.76

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	100,389.16	1,038.14	5,565.28	41,513.70	429.30	2,301.40
LDT1	7,485.74	3.16	410.61	3,095.56	1.31	169.80
LDT2	37,146.25	296.38	2,054.90	15,361.00	122.56	849.76
MDT	16,808.35	447.98	946.95	14,516.52	386.90	817.83
LHDT1	8,350.38	6,598.38	-	8,953.04	7,074.60	-
LHDT2	2,545.66	4,641.40	-	2,729.38	4,976.38	-
MHDT	3,567.87	18,280.71	-	12,863.99	65,911.23	-
HHDT	25.74	34,183.60	2,222.07	92.81	123,249.19	8,011.69

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	5,019.46	374.29	1,857.31	840.42	417.52	127.28	214.07	1.54	8,851.89
15 mph	2,007.78	149.71	742.92	336.17	167.01	50.91	71.36	0.51	3,526.38
20 mph	4,015.57	299.43	1,485.85	672.33	334.02	101.83	142.71	1.03	7,052.77
25 mph	20,077.83	1,497.15	7,429.25	3,361.67	1,670.08	509.13	784.93	5.66	35,335.70
30 mph	22,085.61	1,646.86	8,172.17	3,697.84	1,837.08	560.04	713.57	5.15	38,718.34
35 mph	18,070.05	1,347.43	6,686.32	3,025.50	1,503.07	458.22	321.11	2.32	31,414.02
40 mph	6,023.35	449.14	2,228.77	1,008.50	501.02	152.74	356.79	2.57	10,722.89
45 mph	5,019.46	374.29	1,857.31	840.42	417.52	127.28	285.43	2.06	8,923.77
50 mph	5,019.46	374.29	1,857.31	840.42	417.52	127.28	463.82	3.35	9,103.45
55 mph	4,015.57	299.43	1,485.85	672.33	334.02	101.83	107.04	0.77	7,016.83
60 mph	8,031.13	598.86	2,971.70	1,344.67	668.03	203.65	107.04	0.77	13,925.85
65 mph	1,003.89	74.86	371.46	168.08	83.50	25.46	-	-	1,727.26
70 mph	-	-	-	-	-	-	-	-	-
total	100,389.16	7,485.74	37,146.25	16,808.35	8,350.38	2,545.66	3,567.87	25.74	176,319.14

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	415.14	30.96	153.61	145.17	89.53	27.29	-	-	861.69
15 mph	415.14	30.96	153.61	145.17	89.53	27.29	-	-	861.69
20 mph	415.14	30.96	153.61	145.17	89.53	27.29	257.28	1.86	1,120.83
25 mph	830.27	61.91	307.22	290.33	179.06	54.59	450.24	3.25	2,176.87
30 mph	1,660.55	123.82	614.44	580.66	358.12	109.18	771.84	5.57	4,224.18
35 mph	3,736.23	278.60	1,382.49	1,306.49	805.77	245.64	771.84	5.57	8,532.64
40 mph	4,151.37	309.56	1,536.10	1,451.65	895.30	272.94	707.52	5.10	9,329.55
45 mph	3,321.10	247.64	1,228.88	1,161.32	716.24	218.35	514.56	3.71	7,411.81
50 mph	3,736.23	278.60	1,382.49	1,306.49	805.77	245.64	257.28	1.86	8,014.37
55 mph	2,075.69	154.78	768.05	725.83	447.65	136.47	128.64	0.93	4,438.03
60 mph	1,245.41	92.87	460.83	435.50	268.59	81.88	9,004.80	64.97	11,654.84
65 mph	415.14	30.96	153.61	145.17	89.53	27.29	-	-	861.69
70 mph	19,096.30	1,423.96	7,066.06	6,677.60	4,118.40	1,255.52	-	-	39,637.84
total	41,513.70	3,095.56	15,361.00	14,516.52	8,953.04	2,729.38	12,863.99	92.81	99,126.02

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	51.39	15.67	23.80	0.25	91.11
15 mph	4,464.91	332.94	1,652.12	487.55	258.02	78.66	116.03	0.84	7,391.06
25 mph	-	-	-	-	490.03	149.39	507.75	3.66	1,150.83
35 mph	19,210.84	1,432.50	7,108.44	1,927.68	-	-	-	-	29,679.47
total	23,675.75	1,765.44	8,760.56	2,415.23	748.05	228.05	623.78	4.50	38,221.37

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	51.39	15.67	23.80	0.25	91.11
10 mph	5,434.59	405.24	2,010.92	985.58	507.05	154.58	214.07	1.54	9,713.59
15 mph	6,887.83	513.61	2,548.65	968.88	514.56	156.87	187.39	1.35	11,779.14
20 mph	4,430.70	330.39	1,639.46	817.50	423.55	129.12	399.99	2.89	8,173.59
25 mph	20,908.11	1,559.06	7,736.47	3,652.00	2,339.17	713.11	1,742.92	12.57	38,663.41
30 mph	23,746.16	1,770.69	8,786.61	4,278.50	2,195.20	669.22	1,485.41	10.72	42,942.52
35 mph	41,017.13	3,058.53	15,177.26	6,259.67	2,308.84	703.86	1,092.95	7.89	69,626.13
40 mph	10,174.72	758.70	3,764.88	2,460.15	1,396.33	425.68	1,064.31	7.68	20,052.44
45 mph	8,340.55	621.93	3,086.19	2,001.74	1,133.76	345.63	799.99	5.77	16,335.58
50 mph	8,755.69	652.89	3,239.80	2,146.90	1,223.29	372.93	721.10	5.20	17,117.81
55 mph	6,091.25	454.21	2,253.90	1,398.16	781.67	238.30	235.68	1.70	11,454.86
60 mph	9,276.54	691.73	3,432.53	1,780.16	936.62	285.53	9,111.83	65.74	25,580.69
65 mph	1,419.03	105.81	525.07	313.25	173.03	52.75	-	-	2,588.95
70 mph	19,096.30	1,423.96	7,066.06	6,677.60	4,118.40	1,255.52	-	-	39,637.84
total	165,578.61	12,346.74	61,267.81	33,740.10	18,051.48	5,503.09	17,055.65	123.05	313,666.53

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	51.91	0.16	14.82	22.40	329.92	232.07	1,096.84	2,051.02	3,799.13
15 mph	20.76	0.06	5.93	8.96	131.97	92.83	365.61	683.67	1,309.80
20 mph	41.53	0.13	11.86	17.92	263.94	185.66	731.23	1,367.34	2,619.59
25 mph	207.63	0.63	59.28	89.60	1,319.68	928.28	4,021.76	7,520.39	14,147.24
30 mph	228.39	0.69	65.20	98.56	1,451.64	1,021.11	3,656.14	6,836.72	13,358.46
35 mph	186.87	0.57	53.35	80.64	1,187.71	835.45	1,645.26	3,076.52	7,066.37
40 mph	62.29	0.19	17.78	26.88	395.90	278.48	1,828.07	3,418.36	6,027.96
45 mph	51.91	0.16	14.82	22.40	329.92	232.07	1,462.46	2,734.69	4,848.42
50 mph	51.91	0.16	14.82	22.40	329.92	232.07	2,376.49	4,443.87	7,471.63
55 mph	41.53	0.13	11.86	17.92	263.94	185.66	548.42	1,025.51	2,094.95
60 mph	83.05	0.25	23.71	35.84	527.87	371.31	548.42	1,025.51	2,615.96
65 mph	10.38	0.03	2.96	4.48	65.98	46.41	-	-	130.25
70 mph	-	-	-	-	-	-	-	-	-
total	1,038.14	3.16	296.38	447.98	6,598.38	4,641.40	18,280.71	34,183.60	65,489.75

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	4.29	0.01	1.23	3.87	70.75	49.76	-	-	129.91
15 mph	4.29	0.01	1.23	3.87	70.75	49.76	-	-	129.91
20 mph	4.29	0.01	1.23	3.87	70.75	49.76	1,318.22	2,464.98	3,913.12
25 mph	8.59	0.03	2.45	7.74	141.49	99.53	2,306.89	4,313.72	6,880.44
30 mph	17.17	0.05	4.90	15.48	282.98	199.06	3,954.67	7,394.95	11,869.27
35 mph	38.64	0.12	11.03	34.82	636.71	447.87	3,954.67	7,394.95	12,518.82
40 mph	42.93	0.13	12.26	38.69	707.46	497.64	3,625.12	6,778.71	11,702.93
45 mph	34.34	0.10	9.80	30.95	565.97	398.11	2,636.45	4,929.97	8,605.70
50 mph	38.64	0.12	11.03	34.82	636.71	447.87	1,318.22	2,464.98	4,952.40
55 mph	21.46	0.07	6.13	19.34	353.73	248.82	659.11	1,232.49	2,541.16
60 mph	12.88	0.04	3.68	11.61	212.24	149.29	46,137.86	86,274.43	132,802.03
65 mph	4.29	0.01	1.23	3.87	70.75	49.76	-	-	129.91
70 mph	197.48	0.60	56.38	177.97	3,254.32	2,289.14	-	-	5,975.88
total	429.30	1.31	122.56	386.90	7,074.60	4,976.38	65,911.23	123,249.19	202,151.47

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	40.61	28.56	121.96	228.05	419.18
15 mph	46.17	0.14	13.18	12.99	203.89	143.42	594.51	1,111.69	2,125.99
25 mph	-	-	-	-	387.22	272.38	2,601.55	4,864.71	8,125.86
35 mph	198.66	0.60	56.72	51.38	-	-	-	-	307.36
total	244.83	0.74	69.90	64.37	591.11	415.79	3,196.06	5,976.40	10,559.21

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	40.61	28.56	121.96	228.05	419.18
10 mph	56.20	0.17	16.04	26.27	400.67	281.83	1,096.84	2,051.02	3,929.04
15 mph	71.23	0.22	20.33	25.82	406.60	286.01	960.12	1,795.36	3,565.70
20 mph	45.82	0.14	13.08	21.79	334.68	235.42	2,049.45	3,832.33	6,532.71
25 mph	216.21	0.66	61.73	97.33	1,848.39	1,300.18	8,930.20	16,698.82	29,153.53
30 mph	245.56	0.75	70.11	114.03	1,734.63	1,220.16	7,610.82	14,231.67	25,227.73
35 mph	424.16	1.29	121.10	166.83	1,824.42	1,283.33	5,599.94	10,471.48	19,892.55
40 mph	105.22	0.32	30.04	65.57	1,103.36	776.12	5,453.19	10,197.07	17,730.89
45 mph	86.25	0.26	24.62	53.35	895.89	630.18	4,098.91	7,664.66	13,454.12
50 mph	90.54	0.28	25.85	57.22	966.63	679.94	3,694.72	6,908.85	12,424.04
55 mph	62.99	0.19	17.98	37.26	617.67	434.48	1,207.53	2,258.00	4,636.10
60 mph	95.93	0.29	27.39	47.45	740.11	520.60	46,686.29	87,299.94	135,417.99
65 mph	14.67	0.04	4.19	8.35	136.73	96.18	-	-	260.16
70 mph	197.48	0.60	56.38	177.97	3,254.32	2,289.14	-	-	5,975.88
total	1,712.27	5.21	488.84	899.25	14,264.09	10,033.58	87,388.01	163,409.19	278,200.43

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	278.26	20.53	102.74	47.35	-	-	-	133.32	582.21
15 mph	111.31	8.21	41.10	18.94	-	-	-	44.44	224.00
20 mph	222.61	16.42	82.20	37.88	-	-	-	88.88	447.99
25 mph	1,113.06	82.12	410.98	189.39	-	-	-	488.86	2,284.40
30 mph	1,224.36	90.33	452.08	208.33	-	-	-	444.41	2,419.52
35 mph	1,001.75	73.91	369.88	170.45	-	-	-	199.99	1,815.98
40 mph	333.92	24.64	123.29	56.82	-	-	-	222.21	760.87
45 mph	278.26	20.53	102.74	47.35	-	-	-	177.77	626.65
50 mph	278.26	20.53	102.74	47.35	-	-	-	288.87	737.76
55 mph	222.61	16.42	82.20	37.88	-	-	-	66.66	425.77
60 mph	445.22	32.85	164.39	75.76	-	-	-	66.66	784.88
65 mph	55.65	4.11	20.55	9.47	-	-	-	-	89.78
70 mph	-	-	-	-	-	-	-	-	-
total	5,565.28	410.61	2,054.90	946.95	-	-	-	2,222.07	11,199.81

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	23.01	1.70	8.50	8.18	-	-	-	-	41.39
15 mph	23.01	1.70	8.50	8.18	-	-	-	-	41.39
20 mph	23.01	1.70	8.50	8.18	-	-	-	160.23	201.62
25 mph	46.03	3.40	17.00	16.36	-	-	-	280.41	363.18
30 mph	92.06	6.79	33.99	32.71	-	-	-	480.70	646.25
35 mph	207.13	15.28	76.48	73.60	-	-	-	480.70	853.19
40 mph	230.14	16.98	84.98	81.78	-	-	-	440.64	854.52
45 mph	184.11	13.58	67.98	65.43	-	-	-	320.47	651.57
50 mph	207.13	15.28	76.48	73.60	-	-	-	160.23	532.72
55 mph	115.07	8.49	42.49	40.89	-	-	-	80.12	287.06
60 mph	69.04	5.09	25.49	24.53	-	-	-	5,608.18	5,732.34
65 mph	23.01	1.70	8.50	8.18	-	-	-	-	41.39
70 mph	1,058.64	78.11	390.89	376.20	-	-	-	-	1,903.84
total	2,301.40	169.80	849.76	817.83	-	-	-	8,011.69	12,150.47

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	14.82	14.82
15 mph	247.52	18.26	91.39	27.47	-	-	-	72.26	456.91
25 mph	-	-	-	-	-	-	-	316.23	316.23
35 mph	1,064.99	78.58	393.23	-	-	-	-	-	1,536.80
total	1,312.52	96.84	484.63	27.47	-	-	-	388.49	2,309.94

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	14.82	14.82
10 mph	301.28	22.23	111.24	55.53	-	-	-	133.32	623.60
15 mph	381.84	28.17	140.99	54.59	-	-	-	116.71	722.29
20 mph	245.63	18.12	90.69	46.06	-	-	-	249.12	649.61
25 mph	1,159.08	85.52	427.97	205.75	-	-	-	1,085.49	2,963.81
30 mph	1,316.42	97.13	486.07	241.04	-	-	-	925.12	3,065.77
35 mph	2,273.87	167.77	839.59	244.06	-	-	-	680.69	4,205.97
40 mph	564.06	41.62	208.27	138.60	-	-	-	662.85	1,615.39
45 mph	462.38	34.11	170.73	112.77	-	-	-	498.23	1,278.22
50 mph	485.39	35.81	179.22	120.95	-	-	-	449.10	1,270.48
55 mph	337.68	24.91	124.68	78.77	-	-	-	146.78	712.83
60 mph	514.26	37.94	189.88	100.29	-	-	-	5,674.84	6,517.23
65 mph	78.67	5.80	29.05	17.65	-	-	-	-	131.17
70 mph	1,058.64	78.11	390.89	376.20	-	-	-	-	1,903.84
total	5,678.12	418.94	2,096.56	847.01	-	-	-	3,190.44	25,660.22

World Logistics Center
Mobile Emissions - Medium EV 2031 (Net) - Mitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	22439	330	0.21	4712.3	4420.1	45.7	245.0
	LDT1	15	1656	330	0.21	347.7	329.6	0.1	18.1
	LDT2	15	8285	330	0.21	1739.9	1635.5	13.0	90.5
	MDT	15	2496	330	0.21	524.2	483.9	12.9	27.3
	LHDT1	15	2193	330	0.21	460.6	257.3	203.3	0.0
	LHDT2	15	1054	330	0.21	221.4	78.4	143.0	0.0
	MHDT	15	3358	330	0.21	705.1	115.1	590.0	0.0
	HHDT	15	5599	330	0.21	1175.7	0.8	1103.2	71.7
Travel at Light Logistics	LDA	15	161	175	0.11	17.7	16.6	0.2	0.9
	LDT1	15	12	175	0.11	1.3	1.2	0.0	0.1
	LDT2	15	60	175	0.11	6.5	6.2	0.0	0.3
	MDT	15	15	175	0.11	1.7	1.5	0.0	0.1
	LHDT1	15	9	175	0.11	1.0	0.5	0.4	0.0
	LHDT2	15	4	175	0.11	0.5	0.2	0.3	0.0
	MHDT	15	11	175	0.11	1.2	0.2	1.0	0.0
	HHDT	15	18	175	0.11	2.0	0.0	1.9	0.1
Travel at Utility	LDA	15	182	100	0.06	10.9	10.3	0.1	0.6
	LDT1	15	13	100	0.06	0.8	0.8	0.0	0.0
	LDT2	15	67	100	0.06	4.0	3.8	0.0	0.2
	MDT	15	39	100	0.06	2.3	2.2	0.1	0.1
	LHDT1	15	6	100	0.06	0.4	0.2	0.2	0.0
	LHDT2	15	3	100	0.06	0.2	0.1	0.1	0.0
	MHDT	15	11	100	0.06	0.7	0.1	0.6	0.0
	HHDT	15	19	100	0.06	1.1	0.0	1.1	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	118	50	0.03	3.6	0.6	3.0	0.0
	HHDT	15	197	50	0.03	5.9	0.0	5.6	0.4
Travel at Convenience Store	LDA	15	557	50	0.03	16.7	15.7	0.2	0.9
	LDT1	15	41	50	0.03	1.2	1.2	0.0	0.1
	LDT2	15	206	50	0.03	6.2	5.8	0.0	0.3
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	79	50	0.03	2.4	2.2	0.0	0.1
	LDT1	15	6	50	0.03	0.2	0.2	0.0	0.0
	LDT2	15	29	50	0.03	0.9	0.8	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	4464.9	332.9	1652.1	487.6	258.0	78.7	116.0	0.8
Diesel	46.2	0.1	13.2	13.0	203.9	143.4	594.5	1111.7
Electric/Natural Gas (HHDT Only)	247.5	18.3	91.4	27.5	0.0	0.0	0.0	72.3

World Logistics Center
Mobile Emissions - Medium EV 2031 (Net) - Mitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	1097	613	484	0	3062.9	2420.3	0.0
	LHDT2	5	527	187	340	0	933.7	1702.4	0.0
	MHDT	5	1679	274	1405	0	1370.8	7023.5	0.0
	HHDT	5	2799	2	2627	171	9.9	13133.4	853.7
Travel at Light Logistics	LHDT1	5	4	2	2	0	12.3	9.7	0.0
	LHDT2	5	2	1	1	0	3.7	6.8	0.0
	MHDT	5	5	1	5	0	4.4	22.7	0.0
	HHDT	5	9	0	8	1	0.0	42.5	2.8
Travel at Utility	LHDT1	5	3	2	1	0	8.3	6.5	0.0
	LHDT2	5	1	1	1	0	2.5	4.6	0.0
	MHDT	5	6	1	5	0	4.6	23.6	0.0
	HHDT	5	9	0	9	1	0.0	44.2	2.9
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	59	10	50	0	48.3	247.6	0.0
	HHDT	5	99	0	93	6	0.3	463.0	30.1
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	51.4	15.7	23.8	0.2
Diesel	40.6	28.6	122.0	228.1
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	14.8

World Logistics Center
Mobile Emissions - Medium EV 2031 (Net) - Mitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0354	0.0336	0.0333	0.0353
10 mph	0.0037	0.0047	0.0040	0.0040	0.0045	0.0042	0.0042	0.0045
15 mph	0.0025	0.0031	0.0026	0.0027	0.0030	0.0028	0.0028	0.0030
20 mph	0.0017	0.0022	0.0018	0.0019	0.0021	0.0020	0.0020	0.0021
25 mph	0.0013	0.0016	0.0014	0.0014	0.0015	0.0015	0.0015	0.0015
30 mph	0.0010	0.0013	0.0011	0.0011	0.0012	0.0011	0.0011	0.0012
35 mph	0.0008	0.0010	0.0009	0.0009	0.0010	0.0009	0.0009	0.0010
40 mph	0.0007	0.0009	0.0008	0.0008	0.0009	0.0008	0.0008	0.0009
45 mph	0.0007	0.0008	0.0007	0.0007	0.0008	0.0007	0.0007	0.0008
50 mph	0.0006	0.0008	0.0007	0.0007	0.0008	0.0007	0.0007	0.0008
55 mph	0.0006	0.0008	0.0007	0.0007	0.0008	0.0007	0.0007	0.0008
60 mph	0.0007	0.0009	0.0007	0.0007	0.0008	0.0008	0.0008	0.0008
65 mph	0.0008	0.0010	0.0008	0.0008	0.0010	0.0009		
70 mph	0.0009	0.0011	0.0009	0.0009	0.0010	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7599	0.7666	0.0070	0.0096
10 mph	0.0059	0.1296	0.0087	0.0048	0.0203	0.0295	0.0040	0.0103
15 mph	0.0048	0.0948	0.0075	0.0040	0.0158	0.0241	0.0032	0.0080
20 mph	0.0039	0.0728	0.0063	0.0033	0.0132	0.0202	0.0027	0.0058
25 mph	0.0032	0.0583	0.0054	0.0028	0.0111	0.0170	0.0026	0.0060
30 mph	0.0028	0.0489	0.0048	0.0025	0.0097	0.0150	0.0028	0.0065
35 mph	0.0024	0.0429	0.0043	0.0022	0.0089	0.0135	0.0034	0.0079
40 mph	0.0022	0.0393	0.0039	0.0021	0.0082	0.0125	0.0044	0.0102
45 mph	0.0021	0.0374	0.0037	0.0019	0.0077	0.0117	0.0057	0.0133
50 mph	0.0020	0.0373	0.0034	0.0018	0.0075	0.0111	0.0073	0.0171
55 mph	0.0020	0.0390	0.0033	0.0018	0.0072	0.0107	0.0094	0.0224
60 mph	0.0020	0.0424	0.0032	0.0017	0.0073	0.0106	0.0118	0.0276
65 mph	0.0021	0.0484	0.0032	0.0018	0.0079	0.0112		
70 mph	0.0021	0.0558	0.0033	0.0020	0.0117	0.0140		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0306
10 mph								0.0060
15 mph								0.0050
20 mph								0.0043
25 mph								0.0038
30 mph								0.0036
35 mph								0.0034
40 mph								0.0032
45 mph								0.0032
50 mph								0.0032
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0413	0.0038	0.0162	0.0075	0.0041	0.0012	0.0020	0.0000	0.0762
15 mph	0.0110	0.0010	0.0043	0.0020	0.0011	0.0003	0.0004	0.0000	0.0202
20 mph	0.0154	0.0014	0.0061	0.0028	0.0015	0.0004	0.0006	0.0000	0.0283
25 mph	0.0568	0.0054	0.0224	0.0103	0.0057	0.0016	0.0025	0.0000	0.1048
30 mph	0.0487	0.0046	0.0192	0.0089	0.0049	0.0014	0.0018	0.0000	0.0894
35 mph	0.0328	0.0031	0.0129	0.0060	0.0033	0.0009	0.0007	0.0000	0.0596
40 mph	0.0095	0.0009	0.0037	0.0017	0.0010	0.0003	0.0006	0.0000	0.0177
45 mph	0.0072	0.0007	0.0028	0.0013	0.0007	0.0002	0.0005	0.0000	0.0135
50 mph	0.0070	0.0007	0.0027	0.0013	0.0007	0.0002	0.0007	0.0000	0.0133
55 mph	0.0057	0.0005	0.0022	0.0010	0.0006	0.0002	0.0002	0.0000	0.0104
60 mph	0.0122	0.0011	0.0048	0.0022	0.0012	0.0004	0.0002	0.0000	0.0221
65 mph	0.0017	0.0002	0.0007	0.0003	0.0002	0.0001	-	-	0.0031
70 mph	-	-	-	-	-	-	-	-	-
total	0.2492	0.0235	0.0979	0.0453	0.0250	0.0072	0.0102	0.0001	0.4584

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0034	0.0003	0.0013	0.0013	0.0009	0.0003	-	-	0.0075
15 mph	0.0023	0.0002	0.0009	0.0009	0.0006	0.0002	-	-	0.0050
20 mph	0.0016	0.0001	0.0006	0.0006	0.0004	0.0001	0.0011	0.0000	0.0046
25 mph	0.0023	0.0002	0.0009	0.0009	0.0006	0.0002	0.0014	0.0000	0.0066
30 mph	0.0037	0.0003	0.0014	0.0014	0.0010	0.0003	0.0019	0.0000	0.0100
35 mph	0.0068	0.0006	0.0027	0.0026	0.0018	0.0005	0.0016	0.0000	0.0165
40 mph	0.0065	0.0006	0.0026	0.0025	0.0017	0.0005	0.0013	0.0000	0.0156
45 mph	0.0048	0.0005	0.0019	0.0018	0.0012	0.0004	0.0008	0.0000	0.0114
50 mph	0.0052	0.0005	0.0020	0.0020	0.0014	0.0004	0.0004	0.0000	0.0118
55 mph	0.0029	0.0003	0.0011	0.0011	0.0008	0.0002	0.0002	0.0000	0.0067
60 mph	0.0019	0.0002	0.0007	0.0007	0.0005	0.0001	0.0155	0.0001	0.0198
65 mph	0.0007	0.0001	0.0003	0.0003	0.0002	0.0001	-	-	0.0016
70 mph	0.0360	0.0033	0.0138	0.0134	0.0093	0.0026	-	-	0.0785
total	0.0781	0.0073	0.0303	0.0294	0.0203	0.0058	0.0242	0.0002	0.1956

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0040	0.0012	0.0017	0.0000	0.0069
15 mph	0.0244	0.0023	0.0096	0.0029	0.0017	0.0005	0.0007	0.0000	0.0421
25 mph	-	-	-	-	0.0017	0.0005	0.0016	0.0000	0.0038
35 mph	0.0348	0.0033	0.0137	0.0038	-	-	-	-	0.0556
total	0.0592	0.0056	0.0233	0.0067	0.0074	0.0021	0.0041	0.0000	0.1084

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0040	0.0012	0.0017	0.0000	0.0069
10 mph	0.0447	0.0042	0.0176	0.0088	0.0050	0.0014	0.0020	0.0000	0.0837
15 mph	0.0376	0.0035	0.0148	0.0058	0.0034	0.0010	0.0012	0.0000	0.0672
20 mph	0.0170	0.0016	0.0067	0.0034	0.0020	0.0006	0.0017	0.0000	0.0329
25 mph	0.0592	0.0056	0.0233	0.0112	0.0080	0.0023	0.0056	0.0000	0.1152
30 mph	0.0524	0.0050	0.0206	0.0103	0.0058	0.0017	0.0037	0.0000	0.0994
35 mph	0.0744	0.0070	0.0292	0.0123	0.0051	0.0015	0.0022	0.0000	0.1317
40 mph	0.0160	0.0015	0.0063	0.0042	0.0027	0.0008	0.0019	0.0000	0.0333
45 mph	0.0120	0.0011	0.0047	0.0031	0.0020	0.0006	0.0013	0.0000	0.0248
50 mph	0.0122	0.0011	0.0048	0.0032	0.0021	0.0006	0.0011	0.0000	0.0251
55 mph	0.0086	0.0008	0.0034	0.0021	0.0013	0.0004	0.0004	0.0000	0.0171
60 mph	0.0141	0.0013	0.0055	0.0029	0.0017	0.0005	0.0157	0.0001	0.0419
65 mph	0.0024	0.0002	0.0010	0.0006	0.0004	0.0001	-	-	0.0047
70 mph	0.0360	0.0033	0.0138	0.0134	0.0093	0.0026	-	-	0.0785
total	0.3866	0.0363	0.1515	0.0814	0.0527	0.0151	0.0385	0.0003	0.7624

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0003	0.0002	0.0148	0.0151	0.0097	0.0468	0.0876
15 mph	0.0002	0.0000	0.0001	0.0001	0.0046	0.0049	0.0026	0.0121	0.0246
20 mph	0.0004	0.0000	0.0002	0.0001	0.0077	0.0083	0.0044	0.0175	0.0385
25 mph	0.0015	0.0001	0.0007	0.0006	0.0322	0.0348	0.0229	0.0995	0.1923
30 mph	0.0014	0.0001	0.0007	0.0005	0.0312	0.0337	0.0228	0.0986	0.1890
35 mph	0.0010	0.0001	0.0005	0.0004	0.0233	0.0249	0.0124	0.0538	0.1163
40 mph	0.0003	0.0000	0.0002	0.0001	0.0072	0.0077	0.0176	0.0768	0.1098
45 mph	0.0002	0.0000	0.0001	0.0001	0.0056	0.0060	0.0183	0.0802	0.1106
50 mph	0.0002	0.0000	0.0001	0.0001	0.0054	0.0057	0.0385	0.1673	0.2174
55 mph	0.0002	0.0000	0.0001	0.0001	0.0042	0.0044	0.0113	0.0506	0.0708
60 mph	0.0004	0.0000	0.0002	0.0001	0.0085	0.0087	0.0142	0.0624	0.0945
65 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0012	-	-	0.0024
70 mph	-	-	-	-	-	-	-	-	-
total	0.0065	0.0004	0.0031	0.0025	0.1458	0.1552	0.1748	0.7655	1.2537

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0000	0.0032	0.0032	-	-	0.0065
15 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0026	-	-	0.0052
20 mph	0.0000	0.0000	0.0000	0.0000	0.0021	0.0022	0.0079	0.0315	0.0437
25 mph	0.0001	0.0000	0.0000	0.0000	0.0035	0.0037	0.0132	0.0571	0.0776
30 mph	0.0001	0.0000	0.0001	0.0001	0.0061	0.0066	0.0246	0.1067	0.1442
35 mph	0.0002	0.0000	0.0001	0.0002	0.0125	0.0134	0.0298	0.1292	0.1854
40 mph	0.0002	0.0000	0.0001	0.0002	0.0128	0.0137	0.0349	0.1523	0.2142
45 mph	0.0002	0.0000	0.0001	0.0001	0.0097	0.0102	0.0330	0.1446	0.1979
50 mph	0.0002	0.0000	0.0001	0.0001	0.0105	0.0110	0.0214	0.0928	0.1360
55 mph	0.0001	0.0000	0.0000	0.0001	0.0056	0.0058	0.0136	0.0608	0.0861
60 mph	0.0001	0.0000	0.0000	0.0000	0.0034	0.0035	1.1970	5.2510	6.4550
65 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0012	-	-	0.0025
70 mph	0.0009	0.0001	0.0004	0.0008	0.0837	0.0706	-	-	0.1565
total	0.0021	0.0001	0.0010	0.0018	0.1567	0.1478	1.3753	6.0259	7.7107

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0680	0.0483	0.0019	0.0048	0.1231
15 mph	0.0005	0.0000	0.0002	0.0001	0.0071	0.0076	0.0042	0.0196	0.0394
25 mph	-	-	-	-	0.0095	0.0102	0.0148	0.0644	0.0989
35 mph	0.0011	0.0001	0.0005	0.0003	-	-	-	-	0.0019
total	0.0016	0.0001	0.0008	0.0004	0.0846	0.0661	0.0209	0.0888	0.2632

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0680	0.0483	0.0019	0.0048	0.1231
10 mph	0.0007	0.0000	0.0003	0.0003	0.0179	0.0183	0.0097	0.0468	0.0941
15 mph	0.0008	0.0000	0.0003	0.0002	0.0142	0.0152	0.0067	0.0317	0.0692
20 mph	0.0004	0.0000	0.0002	0.0002	0.0098	0.0105	0.0122	0.0489	0.0822
25 mph	0.0015	0.0001	0.0007	0.0006	0.0451	0.0487	0.0509	0.2209	0.3687
30 mph	0.0015	0.0001	0.0007	0.0006	0.0373	0.0402	0.0474	0.2053	0.3332
35 mph	0.0023	0.0001	0.0011	0.0008	0.0358	0.0383	0.0422	0.1830	0.3036
40 mph	0.0005	0.0000	0.0003	0.0003	0.0200	0.0213	0.0525	0.2290	0.3240
45 mph	0.0004	0.0000	0.0002	0.0002	0.0153	0.0162	0.0513	0.2248	0.3085
50 mph	0.0004	0.0000	0.0002	0.0002	0.0159	0.0167	0.0599	0.2601	0.3534
55 mph	0.0003	0.0000	0.0001	0.0001	0.0098	0.0102	0.0250	0.1114	0.1569
60 mph	0.0004	0.0000	0.0002	0.0002	0.0119	0.0122	1.2112	5.3134	6.5495
65 mph	0.0001	0.0000	0.0000	0.0000	0.0024	0.0024	-	-	0.0049
70 mph	0.0009	0.0001	0.0004	0.0008	0.0837	0.0706	-	-	0.1565
total	0.0102	0.0006	0.0049	0.0046	0.3871	0.3691	1.5710	6.8802	9.2277

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0018	0.0018
15 mph								0.0005	0.0005
20 mph								0.0008	0.0008
25 mph								0.0041	0.0041
30 mph								0.0035	0.0035
35 mph								0.0015	0.0015
40 mph								0.0016	0.0016
45 mph								0.0012	0.0012
50 mph								0.0020	0.0020
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0170	0.0170

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0015	0.0015
25 mph								0.0024	0.0024
30 mph								0.0038	0.0038
35 mph								0.0036	0.0036
40 mph								0.0031	0.0031
45 mph								0.0022	0.0022
50 mph								0.0011	0.0011
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0112	0.0112

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0008	0.0008
25 mph								0.0027	0.0027
35 mph								-	-
total	-	-	-	-	-	-	-	0.0045	0.0045

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0018	0.0018
15 mph								0.0013	0.0013
20 mph								0.0023	0.0023
25 mph								0.0092	0.0092
30 mph								0.0073	0.0073
35 mph								0.0050	0.0050
40 mph								0.0047	0.0047
45 mph								0.0035	0.0035
50 mph								0.0031	0.0031
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0392	0.0392

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0721	0.0494	0.0036	0.0059	0.1310
10 mph	0.0455	0.0042	0.0179	0.0091	0.0229	0.0198	0.0117	0.0485	0.1796
15 mph	0.0384	0.0036	0.0151	0.0060	0.0176	0.0161	0.0079	0.0330	0.1377
20 mph	0.0174	0.0016	0.0069	0.0036	0.0117	0.0110	0.0140	0.0513	0.1175
25 mph	0.0607	0.0057	0.0240	0.0118	0.0531	0.0510	0.0565	0.2301	0.4931
30 mph	0.0539	0.0050	0.0213	0.0109	0.0431	0.0419	0.0511	0.2126	0.4398
35 mph	0.0767	0.0071	0.0303	0.0131	0.0408	0.0398	0.0444	0.1880	0.4403
40 mph	0.0165	0.0015	0.0065	0.0045	0.0227	0.0221	0.0544	0.2338	0.3621
45 mph	0.0124	0.0012	0.0049	0.0034	0.0173	0.0168	0.0526	0.2283	0.3368
50 mph	0.0126	0.0012	0.0050	0.0035	0.0180	0.0172	0.0610	0.2632	0.3816
55 mph	0.0089	0.0008	0.0035	0.0023	0.0112	0.0106	0.0254	0.1114	0.1740
60 mph	0.0145	0.0013	0.0057	0.0031	0.0136	0.0127	1.2269	5.3135	6.5914
65 mph	0.0025	0.0002	0.0010	0.0006	0.0028	0.0025	-	-	0.0096
70 mph	0.0370	0.0034	0.0142	0.0142	0.0930	0.0732	-	-	0.2350
STREX	0.0080	0.0007	0.0030	0.0057	0.0005	0.0001	0.0003	0.0000	0.0184
total	0.4048	0.0377	0.1594	0.0916	0.4403	0.3844	1.6098	6.9197	**10.0476**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0012	0.0014	0.0012	0.0013	0.0003	0.0003	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0080	0.0007	0.0030	0.0057	0.0005	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0080	0.0007	0.0030	0.0057	0.0005	0.0001	0.0003	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	3.9291	0.2930	1.4539	0.6579	0.6400	0.2258	0.4631	0.0018
Diesel	0.0406	0.0001	0.0116	0.0175	0.5203	0.4219	2.3726	2.6306
Electric/NG	0.2178	0.0161	0.0804	0.0371	-	-	-	0.1737
Total	4.1876	0.3092	1.5459	0.7125	1.1603	0.6476	2.8356	2.8062

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.6248	0.1212	0.6012	0.5682	0.6862	0.2421	1.6696	0.0064
Diesel	0.0168	0.0001	0.0048	0.0151	0.5578	0.4523	8.5544	9.4847
Electric/NG	0.0901	0.0066	0.0333	0.0320	-	-	-	0.6264
Total	1.7317	0.1279	0.6393	0.6153	1.2441	0.6944	10.2239	10.1176

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.9266	0.0691	0.3429	0.0945	0.0573	0.0202	0.0810	0.0003
Diesel	0.0096	0.0000	0.0027	0.0025	0.0466	0.0378	0.4148	0.4599
Electric/NG	0.0514	0.0038	0.0190	0.0011	-	-	-	0.0304
Total	0.9876	0.0729	0.3646	0.0981	0.1039	0.0580	0.4958	0.4906

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	6.4805	0.4832	2.3979	1.3205	1.3836	0.4880	2.2136	0.0085	14.7760
Diesel	0.0670	0.0002	0.0191	0.0352	1.1247	0.9120	11.3418	12.5753	26.0753
Electric/NG	0.3593	0.0265	0.1327	0.0701	-	-	-	0.8305	1.4191
Total	6.9068	0.5099	2.5497	1.4259	2.5083	1.4000	13.5554	13.4144	**42.2704**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	23.6084
Internal	19.2826
Total	**42.8910**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0555	0.0381	0.0028	0.0045	0.1009
10 mph	0.0291	0.0027	0.0114	0.0058	0.0177	0.0152	0.0090	0.0374	0.1283
15 mph	0.0246	0.0023	0.0097	0.0038	0.0135	0.0124	0.0061	0.0254	0.0978
20 mph	0.0111	0.0010	0.0044	0.0023	0.0090	0.0085	0.0108	0.0395	0.0866
25 mph	0.0388	0.0036	0.0154	0.0076	0.0409	0.0393	0.0435	0.1772	0.3664
30 mph	0.0345	0.0032	0.0136	0.0070	0.0332	0.0323	0.0393	0.1637	0.3268
35 mph	0.0491	0.0046	0.0194	0.0084	0.0314	0.0306	0.0342	0.1448	0.3225
40 mph	0.0106	0.0010	0.0042	0.0029	0.0175	0.0170	0.0419	0.1800	0.2750
45 mph	0.0079	0.0007	0.0031	0.0021	0.0133	0.0129	0.0405	0.1758	0.2565
50 mph	0.0080	0.0007	0.0032	0.0022	0.0138	0.0133	0.0470	0.2027	0.2909
55 mph	0.0057	0.0005	0.0022	0.0015	0.0086	0.0082	0.0195	0.0858	0.1320
60 mph	0.0093	0.0009	0.0037	0.0020	0.0105	0.0098	0.9447	4.0914	5.0721
65 mph	0.0016	0.0001	0.0006	0.0004	0.0021	0.0019	-	-	0.0068
70 mph	0.0237	0.0022	0.0091	0.0091	0.0716	0.0564	-	-	0.1720
total	0.2540	0.0236	0.1001	0.0550	0.3386	0.2958	1.2393	5.3281	7.6346

World Logistics Center
Mobile Emissions - Medium EV 2031 (Net) - Mitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0050	0.0072	0.0063	0.0072	0.0091	0.0103	0.0177	0.2040
15 mph	0.0044	0.0063	0.0056	0.0062	0.0080	0.0090	0.0156	0.1801
20 mph	0.0039	0.0056	0.0050	0.0056	0.0073	0.0081	0.0141	0.1623
25 mph	0.0036	0.0051	0.0045	0.0051	0.0067	0.0074	0.0128	0.1483
30 mph	0.0033	0.0047	0.0042	0.0047	0.0063	0.0069	0.0118	0.1380
35 mph	0.0032	0.0045	0.0039	0.0045	0.0060	0.0065	0.0110	0.1304
40 mph	0.0030	0.0043	0.0038	0.0043	0.0057	0.0063	0.0106	0.1248
45 mph	0.0029	0.0041	0.0036	0.0041	0.0056	0.0061	0.0102	0.1213
50 mph	0.0029	0.0041	0.0036	0.0041	0.0056	0.0060	0.0101	0.1201
55 mph	0.0029	0.0042	0.0037	0.0042	0.0057	0.0061	0.0102	0.1214
60 mph	0.0030	0.0044	0.0038	0.0044	0.0059	0.0063	0.0105	0.1253
65 mph	0.0032	0.0047	0.0040	0.0046	0.0062	0.0066	0.0111	0.1314
70 mph	0.0033	0.0052	0.0042	0.0049	0.0068	0.0068	0.0110	0.1385

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0562	0.1184	0.0753	0.0937	0.1388	0.1554	0.2701	0.3946
15 mph	0.0462	0.0985	0.0625	0.0794	0.0904	0.1031	0.2124	0.3066
20 mph	0.0379	0.0809	0.0513	0.0660	0.0771	0.0880	0.1814	0.2625
25 mph	0.0318	0.0675	0.0430	0.0559	0.0684	0.0784	0.1583	0.2204
30 mph	0.0275	0.0581	0.0372	0.0483	0.0622	0.0708	0.1390	0.1936
35 mph	0.0249	0.0521	0.0336	0.0439	0.0623	0.0709	0.1242	0.1732
40 mph	0.0233	0.0485	0.0313	0.0411	0.0606	0.0684	0.1138	0.1590
45 mph	0.0225	0.0468	0.0302	0.0395	0.0592	0.0658	0.1078	0.1511
50 mph	0.0226	0.0468	0.0302	0.0398	0.0621	0.0683	0.1064	0.1485
55 mph	0.0236	0.0490	0.0316	0.0420	0.0648	0.0706	0.1095	0.1546
60 mph	0.0256	0.0531	0.0343	0.0454	0.0654	0.0708	0.1170	0.1639
65 mph	0.0288	0.0592	0.0385	0.0511	0.0664	0.0712	0.1290	0.1777
70 mph	0.0313	0.0616	0.0412	0.0557	0.0676	0.0726	0.1302	0.1805

*US EPA Emission Factors for Greenhouse Gas Inventories. (Idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.8681
15 mph								0.7284
20 mph								0.6359
25 mph								0.5861
30 mph								0.5543
35 mph								0.5291
40 mph								0.5084
45 mph								0.4911
50 mph								0.4762
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0552	0.0060	0.0260	0.0133	0.0084	0.0029	0.0083	0.0007	0.1208
15 mph	0.0194	0.0021	0.0091	0.0046	0.0030	0.0010	0.0025	0.0002	0.0418
20 mph	0.0349	0.0037	0.0163	0.0083	0.0054	0.0018	0.0044	0.0004	0.0752
25 mph	0.1590	0.0168	0.0740	0.0377	0.0247	0.0083	0.0221	0.0019	0.3446
30 mph	0.1626	0.0172	0.0754	0.0385	0.0254	0.0085	0.0185	0.0016	0.3477
35 mph	0.1257	0.0132	0.0581	0.0297	0.0198	0.0066	0.0078	0.0007	0.2616
40 mph	0.0400	0.0042	0.0185	0.0095	0.0064	0.0021	0.0083	0.0007	0.0897
45 mph	0.0323	0.0034	0.0149	0.0077	0.0052	0.0017	0.0064	0.0006	0.0721
50 mph	0.0319	0.0034	0.0148	0.0076	0.0051	0.0017	0.0103	0.0009	0.0757
55 mph	0.0258	0.0028	0.0120	0.0062	0.0042	0.0014	0.0024	0.0002	0.0550
60 mph	0.0537	0.0058	0.0251	0.0129	0.0087	0.0028	0.0025	0.0002	0.1117
65 mph	0.0070	0.0008	0.0033	0.0017	0.0011	0.0004	-	-	0.0143
70 mph	-	-	-	-	-	-	-	-	-
total	0.7475	0.0794	0.3474	0.1776	0.1173	0.0393	0.0937	0.0079	1.6100

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0046	0.0005	0.0021	0.0023	0.0018	0.0006	-	-	0.0119
15 mph	0.0040	0.0004	0.0019	0.0020	0.0016	0.0005	-	-	0.0104
20 mph	0.0036	0.0004	0.0017	0.0018	0.0014	0.0005	0.0080	0.0007	0.0181
25 mph	0.0066	0.0007	0.0031	0.0033	0.0026	0.0009	0.0127	0.0011	0.0309
30 mph	0.0122	0.0013	0.0057	0.0060	0.0050	0.0017	0.0201	0.0017	0.0536
35 mph	0.0260	0.0027	0.0120	0.0128	0.0106	0.0035	0.0188	0.0016	0.0881
40 mph	0.0276	0.0029	0.0127	0.0136	0.0114	0.0038	0.0165	0.0014	0.0899
45 mph	0.0214	0.0023	0.0099	0.0106	0.0089	0.0029	0.0116	0.0010	0.0684
50 mph	0.0238	0.0025	0.0110	0.0118	0.0099	0.0033	0.0057	0.0005	0.0685
55 mph	0.0134	0.0014	0.0062	0.0067	0.0056	0.0018	0.0029	0.0002	0.0382
60 mph	0.0083	0.0009	0.0039	0.0042	0.0035	0.0011	0.2094	0.0179	0.2492
65 mph	0.0029	0.0003	0.0014	0.0015	0.0012	0.0004	-	-	0.0077
70 mph	0.1410	0.0162	0.0652	0.0724	0.0618	0.0189	-	-	0.3754
total	0.2952	0.0326	0.1367	0.1489	0.1253	0.0400	0.3056	0.0261	1.1103

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0015	0.0005	0.0007	0.0000	0.0027
15 mph	0.0431	0.0046	0.0202	0.0067	0.0046	0.0016	0.0040	0.0003	0.0851
25 mph	-	-	-	-	0.0072	0.0024	0.0143	0.0012	0.0252
35 mph	0.1336	0.0141	0.0617	0.0189	-	-	-	-	0.2283
total	0.1767	0.0187	0.0819	0.0256	0.0133	0.0045	0.0190	0.0015	0.3414

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0015	0.0005	0.0007	0.0000	0.0027
10 mph	0.0598	0.0065	0.0281	0.0155	0.0102	0.0035	0.0083	0.0007	0.1327
15 mph	0.0665	0.0071	0.0312	0.0133	0.0091	0.0031	0.0065	0.0005	0.1374
20 mph	0.0385	0.0041	0.0180	0.0101	0.0068	0.0023	0.0124	0.0010	0.0932
25 mph	0.1656	0.0175	0.0771	0.0410	0.0345	0.0117	0.0492	0.0041	0.4007
30 mph	0.1748	0.0184	0.0811	0.0445	0.0303	0.0102	0.0386	0.0033	0.4013
35 mph	0.2852	0.0301	0.1318	0.0615	0.0304	0.0102	0.0266	0.0023	0.5780
40 mph	0.0676	0.0071	0.0312	0.0231	0.0177	0.0059	0.0248	0.0021	0.1795
45 mph	0.0536	0.0057	0.0248	0.0182	0.0140	0.0046	0.0180	0.0015	0.1405
50 mph	0.0557	0.0059	0.0258	0.0194	0.0151	0.0049	0.0160	0.0014	0.1441
55 mph	0.0392	0.0042	0.0182	0.0129	0.0098	0.0032	0.0053	0.0005	0.0932
60 mph	0.0620	0.0067	0.0290	0.0171	0.0121	0.0040	0.2118	0.0182	0.3609
65 mph	0.0099	0.0011	0.0047	0.0032	0.0024	0.0008	-	-	0.0220
70 mph	0.1410	0.0162	0.0652	0.0724	0.0618	0.0189	-	-	0.3754
total	1.2194	0.1307	0.5660	0.3522	0.2558	0.0837	0.4182	0.0356	3.0617

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0064	0.0000	0.0025	0.0046	0.1010	0.0795	0.6531	1.7846	2.6319
15 mph	0.0021	0.0000	0.0008	0.0016	0.0263	0.0211	0.1712	0.4622	0.6854
20 mph	0.0035	0.0000	0.0013	0.0026	0.0449	0.0360	0.2925	0.7915	1.1724
25 mph	0.0145	0.0001	0.0056	0.0110	0.1990	0.1606	1.4040	3.6552	5.4500
30 mph	0.0139	0.0001	0.0053	0.0105	0.1990	0.1595	1.1205	2.9180	4.4268
35 mph	0.0103	0.0001	0.0039	0.0078	0.1631	0.1307	0.4504	1.1746	1.9409
40 mph	0.0032	0.0000	0.0012	0.0024	0.0529	0.0420	0.4586	1.1987	1.7591
45 mph	0.0026	0.0000	0.0010	0.0020	0.0430	0.0337	0.3477	0.9112	1.3411
50 mph	0.0026	0.0000	0.0010	0.0020	0.0452	0.0349	0.5576	1.4547	2.0979
55 mph	0.0022	0.0000	0.0008	0.0017	0.0377	0.0289	0.1324	0.3495	0.5532
60 mph	0.0047	0.0000	0.0018	0.0036	0.0762	0.0580	0.1415	0.3707	0.6564
65 mph	0.0007	0.0000	0.0003	0.0005	0.0097	0.0073	-	-	0.0184
70 mph	-	-	-	-	-	-	-	-	-
total	0.0665	0.0004	0.0256	0.0503	0.9980	0.7922	5.7295	15.0710	22.7335

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0005	0.0000	0.0002	0.0008	0.0217	0.0171	-	-	0.0402
15 mph	0.0004	0.0000	0.0002	0.0007	0.0141	0.0113	-	-	0.0267
20 mph	0.0004	0.0000	0.0001	0.0006	0.0120	0.0097	0.5273	1.4269	1.9770
25 mph	0.0006	0.0000	0.0002	0.0010	0.0213	0.0172	0.8053	2.0966	2.9423
30 mph	0.0010	0.0000	0.0004	0.0016	0.0388	0.0311	1.2120	3.1563	4.4413
35 mph	0.0021	0.0000	0.0008	0.0034	0.0874	0.0701	1.0826	2.8235	4.0699
40 mph	0.0022	0.0000	0.0008	0.0035	0.0946	0.0751	0.9094	2.3771	3.4627
45 mph	0.0017	0.0000	0.0007	0.0027	0.0739	0.0578	0.6268	1.6426	2.4061
50 mph	0.0019	0.0000	0.0007	0.0031	0.0872	0.0674	0.3093	0.8069	1.2765
55 mph	0.0011	0.0000	0.0004	0.0018	0.0505	0.0387	0.1591	0.4200	0.6718
60 mph	0.0007	0.0000	0.0003	0.0012	0.0306	0.0233	11.9011	31.1858	43.1431
65 mph	0.0003	0.0000	0.0001	0.0004	0.0104	0.0078	-	-	0.0190
70 mph	0.0136	0.0001	0.0051	0.0218	0.4853	0.3662	-	-	0.8922
total	0.0267	0.0002	0.0101	0.0425	1.0278	0.7928	17.5330	45.9357	65.3688

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0003	0.0013	0.0024	0.0044
15 mph	0.0047	0.0000	0.0018	0.0023	0.0406	0.0326	0.2784	0.7516	1.1121
25 mph	-	-	-	-	0.0584	0.0471	0.9082	2.3644	3.3781
35 mph	0.0109	0.0001	0.0042	0.0050	-	-	-	-	0.0201
total	0.0156	0.0001	0.0060	0.0073	0.0995	0.0800	1.1879	3.1185	4.5148

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0004	0.0003	0.0013	0.0024	0.0044
10 mph	0.0070	0.0000	0.0027	0.0054	0.1227	0.0966	0.6531	1.7846	2.6721
15 mph	0.0073	0.0000	0.0028	0.0045	0.0810	0.0650	0.4497	1.2139	1.8242
20 mph	0.0038	0.0000	0.0015	0.0032	0.0569	0.0457	0.8199	2.2184	3.1494
25 mph	0.0151	0.0001	0.0059	0.0120	0.2787	0.2249	3.1174	8.1162	11.7704
30 mph	0.0149	0.0001	0.0058	0.0121	0.2378	0.1905	2.3326	6.0743	8.8681
35 mph	0.0233	0.0001	0.0090	0.0162	0.2506	0.2008	1.5330	3.9981	6.0310
40 mph	0.0054	0.0000	0.0021	0.0059	0.1475	0.1171	1.3679	3.5759	5.2219
45 mph	0.0043	0.0000	0.0016	0.0047	0.1169	0.0914	0.9745	2.5537	3.7472
50 mph	0.0045	0.0000	0.0017	0.0050	0.1323	0.1024	0.8668	2.2615	3.3744
55 mph	0.0033	0.0000	0.0013	0.0034	0.0883	0.0676	0.2915	0.7695	1.2249
60 mph	0.0054	0.0000	0.0021	0.0048	0.1068	0.0813	12.0426	31.5565	43.7995
65 mph	0.0009	0.0000	0.0004	0.0009	0.0200	0.0151	-	-	0.0374
70 mph	0.0136	0.0001	0.0051	0.0218	0.4853	0.3662	-	-	0.8922
total	0.1088	0.0007	0.0418	0.1000	2.1252	1.6650	24.4504	64.1252	92.6171

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.2552	0.2552
15 mph								0.0714	0.0714
20 mph								0.1246	0.1246
25 mph								0.6318	0.6318
30 mph								0.5431	0.5431
35 mph								0.2333	0.2333
40 mph								0.2491	0.2491
45 mph								0.1925	0.1925
50 mph								0.3033	0.3033
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.6043	2.6043

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.2247	0.2247
25 mph								0.3624	0.3624
30 mph								0.5875	0.5875
35 mph								0.5608	0.5608
40 mph								0.4940	0.4940
45 mph								0.3470	0.3470
50 mph								0.1683	0.1683
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.7353	1.7353

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0004	0.0004
15 mph								0.1161	0.1161
25 mph								0.4087	0.4087
35 mph								-	-
total	-	-	-	-	-	-	-	0.5252	0.5252

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0004	0.0004
10 mph								0.2552	0.2552
15 mph								0.1874	0.1874
20 mph								0.3493	0.3493
25 mph								1.4028	1.4028
30 mph								1.1306	1.1306
35 mph								0.7941	0.7941
40 mph								0.7431	0.7431
45 mph								0.5395	0.5395
50 mph								0.4716	0.4716
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	5.8741	5.8741

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0019	0.0008	0.0020	0.0029	0.0076
10 mph	0.0668	0.0065	0.0308	0.0210	0.1329	0.1001	0.6615	2.0405	3.0600
15 mph	0.0738	0.0072	0.0340	0.0179	0.0901	0.0681	0.4561	1.4018	2.1491
20 mph	0.0423	0.0041	0.0195	0.0133	0.0637	0.0480	0.8323	2.5688	3.5920
25 mph	0.1807	0.0176	0.0830	0.0530	0.3133	0.2366	3.1666	9.5232	13.5739
30 mph	0.1897	0.0185	0.0868	0.0567	0.2681	0.2007	2.3712	7.2082	10.4000
35 mph	0.3085	0.0302	0.1407	0.0776	0.2810	0.2109	1.5596	4.7945	7.4031
40 mph	0.0730	0.0072	0.0333	0.0290	0.1652	0.1230	1.3927	4.3211	6.1445
45 mph	0.0579	0.0057	0.0264	0.0229	0.1309	0.0961	0.9925	3.0948	4.4272
50 mph	0.0602	0.0060	0.0275	0.0244	0.1474	0.1073	0.8828	2.7345	3.9901
55 mph	0.0425	0.0042	0.0195	0.0163	0.0980	0.0708	0.2968	0.7700	1.3181
60 mph	0.0674	0.0068	0.0311	0.0219	0.1189	0.0853	12.2544	31.5747	44.1604
65 mph	0.0109	0.0011	0.0050	0.0041	0.0224	0.0159	-	-	0.0593
70 mph	0.1546	0.0163	0.0703	0.0942	0.5471	0.3851	-	-	1.2676
STREX	0.1374	0.0112	0.0580	0.1112	0.0561	0.0172	0.0240	0.0000	0.4150
total	1.4656	0.1426	0.6658	0.5634	2.4372	1.7659	24.8927	70.0348	**101.9679**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0203	0.0222	0.0231	0.0246	0.0340	0.0341	0.0296	0.0038
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1374	0.0112	0.0580	0.1112	0.0561	0.0172	0.0240	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1374	0.0112	0.0580	0.1112	0.0561	0.0172	0.0240	0.0000

World Logistics Center
Mobile Emissions - Medium EV 2031 (Net) - Mitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.9271	1.9470	3.3655	2.4269
10 mph	0.0051	0.0101	0.0084	0.0098	0.0103	0.0086	0.0189	0.3066
15 mph	0.0034	0.0068	0.0056	0.0066	0.0069	0.0057	0.0126	0.2035
20 mph	0.0024	0.0049	0.0040	0.0047	0.0050	0.0041	0.0089	0.1432
25 mph	0.0017	0.0036	0.0029	0.0035	0.0037	0.0030	0.0065	0.1060
30 mph	0.0014	0.0029	0.0023	0.0027	0.0030	0.0023	0.0051	0.0828
35 mph	0.0011	0.0024	0.0019	0.0022	0.0025	0.0019	0.0041	0.0684
40 mph	0.0010	0.0021	0.0016	0.0019	0.0022	0.0017	0.0036	0.0596
45 mph	0.0009	0.0019	0.0015	0.0018	0.0020	0.0016	0.0033	0.0547
50 mph	0.0009	0.0018	0.0014	0.0017	0.0020	0.0015	0.0032	0.0529
55 mph	0.0009	0.0018	0.0015	0.0017	0.0020	0.0015	0.0032	0.0539
60 mph	0.0009	0.0019	0.0015	0.0018	0.0022	0.0016	0.0035	0.0577
65 mph	0.0010	0.0021	0.0017	0.0020	0.0025	0.0019		
70 mph	0.0011	0.0025	0.0018	0.0022	0.0026	0.0019		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0235	0.1100
10 mph	0.0039	0.0146	0.0091	0.0042	0.0256	0.0258	0.0015	0.0038
15 mph	0.0020	0.0090	0.0044	0.0021	0.0129	0.0129	0.0008	0.0021
20 mph	0.0008	0.0057	0.0017	0.0008	0.0055	0.0055	0.0006	0.0013
25 mph	0.0005	0.0043	0.0010	0.0005	0.0035	0.0035	0.0005	0.0011
30 mph	0.0004	0.0035	0.0008	0.0004	0.0027	0.0027	0.0004	0.0009
35 mph	0.0003	0.0030	0.0006	0.0003	0.0022	0.0022	0.0003	0.0007
40 mph	0.0003	0.0027	0.0005	0.0003	0.0019	0.0019	0.0003	0.0006
45 mph	0.0002	0.0025	0.0004	0.0002	0.0017	0.0017	0.0002	0.0006
50 mph	0.0002	0.0025	0.0004	0.0002	0.0015	0.0015	0.0002	0.0006
55 mph	0.0002	0.0026	0.0003	0.0002	0.0014	0.0014	0.0003	0.0006
60 mph	0.0002	0.0028	0.0003	0.0002	0.0014	0.0014	0.0003	0.0007
65 mph	0.0002	0.0032	0.0003	0.0002	0.0016	0.0015		
70 mph	0.0002	0.0036	0.0003	0.0002	0.0023	0.0022		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.9006
10 mph								11.0968
15 mph								7.6454
20 mph								5.4185
25 mph								3.9759
30 mph								2.9471
35 mph								2.1868
40 mph								1.6256
45 mph								1.2121
50 mph								0.9088
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0560	0.0083	0.0343	0.0182	0.0095	0.0024	0.0089	0.0010	0.1388
15 mph	0.0149	0.0023	0.0092	0.0049	0.0026	0.0006	0.0020	0.0002	0.0367
20 mph	0.0210	0.0032	0.0130	0.0069	0.0037	0.0009	0.0028	0.0003	0.0518
25 mph	0.0773	0.0120	0.0482	0.0256	0.0138	0.0034	0.0113	0.0013	0.1929
30 mph	0.0661	0.0104	0.0413	0.0220	0.0120	0.0029	0.0079	0.0009	0.1635
35 mph	0.0443	0.0070	0.0276	0.0148	0.0082	0.0020	0.0029	0.0003	0.1072
40 mph	0.0128	0.0020	0.0080	0.0043	0.0024	0.0006	0.0028	0.0003	0.0333
45 mph	0.0098	0.0016	0.0061	0.0033	0.0019	0.0004	0.0021	0.0002	0.0254
50 mph	0.0095	0.0015	0.0059	0.0032	0.0018	0.0004	0.0032	0.0004	0.0259
55 mph	0.0077	0.0012	0.0048	0.0026	0.0015	0.0003	0.0008	0.0001	0.0189
60 mph	0.0162	0.0025	0.0100	0.0054	0.0032	0.0007	0.0008	0.0001	0.0390
65 mph	0.0023	0.0003	0.0014	0.0007	0.0005	0.0001	-	-	0.0053
70 mph	-	-	-	-	-	-	-	-	-
total	0.3378	0.0524	0.2098	0.1119	0.0609	0.0148	0.0456	0.0054	0.8386

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0046	0.0007	0.0028	0.0032	0.0020	0.0005	-	-	0.0139
15 mph	0.0031	0.0005	0.0019	0.0021	0.0014	0.0003	-	-	0.0093
20 mph	0.0022	0.0003	0.0013	0.0015	0.0010	0.0002	0.0051	0.0006	0.0122
25 mph	0.0032	0.0005	0.0020	0.0022	0.0015	0.0004	0.0065	0.0008	0.0170
30 mph	0.0050	0.0008	0.0031	0.0035	0.0023	0.0006	0.0086	0.0010	0.0248
35 mph	0.0092	0.0014	0.0057	0.0064	0.0044	0.0010	0.0070	0.0008	0.0360
40 mph	0.0088	0.0014	0.0055	0.0062	0.0043	0.0010	0.0056	0.0007	0.0335
45 mph	0.0065	0.0010	0.0040	0.0045	0.0032	0.0007	0.0037	0.0004	0.0242
50 mph	0.0070	0.0011	0.0044	0.0049	0.0035	0.0008	0.0018	0.0002	0.0238
55 mph	0.0040	0.0006	0.0025	0.0028	0.0020	0.0005	0.0009	0.0001	0.0133
60 mph	0.0025	0.0004	0.0015	0.0017	0.0013	0.0003	0.0689	0.0083	0.0850
65 mph	0.0009	0.0001	0.0006	0.0006	0.0005	0.0001	-	-	0.0029
70 mph	0.0468	0.0078	0.0280	0.0328	0.0241	0.0051	-	-	0.1445
total	0.1038	0.0167	0.0634	0.0724	0.0514	0.0117	0.1081	0.0129	0.4403

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2184	0.0673	0.1766	0.0013	0.4636
15 mph	0.0332	0.0050	0.0205	0.0071	0.0039	0.0010	0.0032	0.0004	0.0743
25 mph	-	-	-	-	0.0040	0.0010	0.0073	0.0009	0.0132
35 mph	0.0471	0.0075	0.0294	0.0094	-	-	-	-	0.0934
total	0.0803	0.0125	0.0499	0.0165	0.2264	0.0692	0.1872	0.0025	0.6445

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2184	0.0673	0.1766	0.0013	0.4636
10 mph	0.0606	0.0090	0.0372	0.0214	0.0116	0.0029	0.0089	0.0010	0.1526
15 mph	0.0512	0.0077	0.0316	0.0141	0.0079	0.0020	0.0052	0.0006	0.1203
20 mph	0.0231	0.0035	0.0144	0.0084	0.0047	0.0012	0.0079	0.0009	0.0641
25 mph	0.0805	0.0125	0.0502	0.0278	0.0193	0.0047	0.0252	0.0029	0.2231
30 mph	0.0711	0.0111	0.0444	0.0255	0.0143	0.0035	0.0165	0.0020	0.1883
35 mph	0.1006	0.0159	0.0628	0.0306	0.0125	0.0030	0.0099	0.0012	0.2365
40 mph	0.0217	0.0034	0.0135	0.0105	0.0067	0.0016	0.0084	0.0010	0.0668
45 mph	0.0163	0.0026	0.0102	0.0078	0.0051	0.0012	0.0058	0.0007	0.0496
50 mph	0.0165	0.0026	0.0103	0.0081	0.0053	0.0012	0.0050	0.0006	0.0497
55 mph	0.0117	0.0018	0.0072	0.0053	0.0035	0.0008	0.0017	0.0002	0.0322
60 mph	0.0187	0.0029	0.0115	0.0071	0.0045	0.0010	0.0697	0.0084	0.1239
65 mph	0.0032	0.0005	0.0020	0.0014	0.0009	0.0002	-	-	0.0082
70 mph	0.0468	0.0078	0.0280	0.0328	0.0241	0.0051	-	-	0.1445
total	0.5219	0.0815	0.3231	0.2008	0.3386	0.0957	0.3410	0.0208	1.9234

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0004	0.0000	0.0003	0.0002	0.0187	0.0132	0.0037	0.0172	0.0537
15 mph	0.0001	0.0000	0.0001	0.0000	0.0038	0.0026	0.0007	0.0031	0.0104
20 mph	0.0001	0.0000	0.0000	0.0000	0.0032	0.0023	0.0009	0.0039	0.0105
25 mph	0.0002	0.0000	0.0001	0.0001	0.0101	0.0071	0.0040	0.0177	0.0394
30 mph	0.0002	0.0000	0.0001	0.0001	0.0086	0.0061	0.0029	0.0130	0.0311
35 mph	0.0001	0.0000	0.0001	0.0001	0.0058	0.0041	0.0011	0.0048	0.0161
40 mph	0.0000	0.0000	0.0000	0.0000	0.0017	0.0012	0.0010	0.0046	0.0086
45 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0009	0.0008	0.0034	0.0063
50 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0008	0.0013	0.0055	0.0087
55 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	0.0003	0.0014	0.0032
60 mph	0.0000	0.0000	0.0000	0.0000	0.0017	0.0011	0.0004	0.0017	0.0049
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0013	0.0000	0.0008	0.0006	0.0569	0.0400	0.0171	0.0766	0.1933

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0040	0.0028	-	-	0.0069
15 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0014	-	-	0.0035
20 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0006	0.0017	0.0071	0.0103
25 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0008	0.0023	0.0102	0.0143
30 mph	0.0000	0.0000	0.0000	0.0000	0.0017	0.0012	0.0032	0.0141	0.0202
35 mph	0.0000	0.0000	0.0000	0.0000	0.0031	0.0022	0.0026	0.0116	0.0196
40 mph	0.0000	0.0000	0.0000	0.0000	0.0030	0.0021	0.0021	0.0092	0.0163
45 mph	0.0000	0.0000	0.0000	0.0000	0.0021	0.0015	0.0014	0.0062	0.0111
50 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0015	0.0007	0.0031	0.0075
55 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0008	0.0004	0.0017	0.0040
60 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0312	0.1391	0.1715
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	0.0001	0.0000	0.0000	0.0001	0.0169	0.0109	-	-	0.0279
total	0.0003	0.0000	0.0002	0.0002	0.0389	0.0263	0.0455	0.2023	0.3136

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0132	0.0093	0.0063	0.0553	0.0841
15 mph	0.0002	0.0000	0.0001	0.0001	0.0058	0.0041	0.0011	0.0051	0.0165
25 mph	-	-	-	-	0.0030	0.0021	0.0026	0.0115	0.0191
35 mph	0.0001	0.0000	0.0001	0.0000	-	-	-	-	0.0003
total	0.0003	0.0000	0.0002	0.0001	0.0220	0.0155	0.0100	0.0719	0.1200

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0132	0.0093	0.0063	0.0553	0.0841
10 mph	0.0005	0.0000	0.0003	0.0002	0.0227	0.0160	0.0037	0.0172	0.0606
15 mph	0.0003	0.0000	0.0002	0.0001	0.0116	0.0082	0.0018	0.0083	0.0304
20 mph	0.0001	0.0000	0.0001	0.0000	0.0040	0.0029	0.0026	0.0111	0.0207
25 mph	0.0002	0.0000	0.0001	0.0001	0.0142	0.0100	0.0089	0.0394	0.0729
30 mph	0.0002	0.0000	0.0001	0.0001	0.0103	0.0073	0.0061	0.0271	0.0513
35 mph	0.0003	0.0000	0.0002	0.0001	0.0089	0.0063	0.0037	0.0165	0.0360
40 mph	0.0001	0.0000	0.0000	0.0000	0.0046	0.0032	0.0031	0.0138	0.0249
45 mph	0.0000	0.0000	0.0000	0.0000	0.0033	0.0023	0.0021	0.0096	0.0174
50 mph	0.0000	0.0000	0.0000	0.0000	0.0033	0.0023	0.0019	0.0086	0.0162
55 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0014	0.0007	0.0031	0.0072
60 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0016	0.0316	0.1408	0.1764
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	-	-	0.0008
70 mph	0.0001	0.0000	0.0000	0.0001	0.0169	0.0109	-	-	0.0279
total	0.0019	0.0000	0.0012	0.0009	0.1177	0.0818	0.0726	0.3508	0.6269

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								3.2622	3.2622
15 mph								0.7492	0.7492
20 mph								1.0619	1.0619
25 mph								4.2858	4.2858
30 mph								2.8879	2.8879
35 mph								0.9643	0.9643
40 mph								0.7965	0.7965
45 mph								0.4751	0.4751
50 mph								0.5788	0.5788
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	15.0618	15.0618

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1.9144	1.9144
25 mph								2.4583	2.4583
30 mph								3.1237	3.1237
35 mph								2.3179	2.3179
40 mph								1.5794	1.5794
45 mph								0.8565	0.8565
50 mph								0.3211	0.3211
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	9.8143	9.8143

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0621	0.0621
15 mph								1.2182	1.2182
25 mph								2.7723	2.7723
35 mph								-	-
total	-	-	-	-	-	-	-	4.0527	4.0527

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0621	0.0621
10 mph								3.2622	3.2622
15 mph								1.9674	1.9674
20 mph								2.9764	2.9764
25 mph								9.5164	9.5164
30 mph								6.0116	6.0116
35 mph								3.2822	3.2822
40 mph								2.3759	2.3759
45 mph								1.3317	1.3317
50 mph								0.8999	0.8999
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	31.6859	31.6859

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2316	0.0765	0.1829	0.1187	0.6098
10 mph	0.0611	0.0090	0.0375	0.0216	0.0342	0.0189	0.0126	3.2805	3.4755
15 mph	0.0515	0.0077	0.0318	0.0142	0.0194	0.0101	0.0070	1.9763	2.1181
20 mph	0.0232	0.0036	0.0144	0.0084	0.0087	0.0040	0.0105	2.9883	3.0611
25 mph	0.0807	0.0125	0.0503	0.0280	0.0334	0.0147	0.0341	9.5588	9.8125
30 mph	0.0713	0.0112	0.0445	0.0256	0.0246	0.0107	0.0227	6.0407	6.2512
35 mph	0.1008	0.0159	0.0629	0.0307	0.0215	0.0093	0.0137	3.2998	3.5547
40 mph	0.0217	0.0034	0.0136	0.0105	0.0113	0.0048	0.0115	2.3907	2.4676
45 mph	0.0164	0.0026	0.0102	0.0078	0.0084	0.0035	0.0079	1.3419	1.3987
50 mph	0.0166	0.0026	0.0103	0.0081	0.0086	0.0035	0.0070	0.9092	0.9658
55 mph	0.0117	0.0018	0.0072	0.0053	0.0054	0.0022	0.0024	0.0033	0.0394
60 mph	0.0188	0.0029	0.0116	0.0072	0.0068	0.0026	0.1013	0.1492	0.3003
65 mph	0.0032	0.0005	0.0020	0.0014	0.0014	0.0005	-	-	0.0090
70 mph	0.0469	0.0078	0.0280	0.0328	0.0409	0.0160	-	-	0.1724
STREX	0.2031	0.0193	0.1024	0.2088	0.0254	0.0078	0.0267	0.0000	0.5935
total	0.7269	0.1008	0.4266	0.4106	0.4818	0.1852	0.4403	32.0575	**34.8296**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0300	0.0383	0.0409	0.0463	0.0154	0.0154	0.0329	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2031	0.0193	0.1024	0.2088	0.0254	0.0078	0.0267	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.2031	0.0193	0.1024	0.2088	0.0254	0.0078	0.0267	0.0000

World Logistics Center
Mobile Emissions - Medium EV 2031 (Net) - Mitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,165.76	4,868.63	12,330.98	20,317.70
10 mph	422.74	495.69	504.07	620.22	1,366.93	1,574.78	2,810.45	3,306.49
15 mph	345.55	405.17	411.92	506.54	1,116.85	1,285.75	2,300.17	2,713.06
20 mph	287.39	336.97	342.59	421.31	928.64	1,069.37	1,910.69	2,260.50
25 mph	245.70	288.15	292.98	360.54	793.74	913.85	1,634.63	1,935.47
30 mph	218.07	255.76	260.11	320.37	704.60	811.30	1,452.16	1,717.87
35 mph	202.24	237.21	241.29	297.57	653.51	752.65	1,347.38	1,590.89
40 mph	195.94	229.82	233.76	288.33	632.66	728.69	1,303.73	1,537.98
45 mph	197.01	230.96	234.87	289.62	634.98	731.34	1,309.37	1,539.27
50 mph	202.90	237.83	241.80	298.39	653.66	752.58	1,346.94	1,580.78
55 mph	210.78	247.03	251.24	310.18	680.39	783.30	1,400.11	1,642.12
60 mph	217.03	254.70	259.24	320.47	707.93	814.99	1,456.22	1,705.48
65 mph	222.35	261.37	266.13	329.55	729.40	839.36		
70 mph	225.33	265.00	268.90	336.79	739.31	847.98		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,377.46	5,456.19	5,605.22	5,199.16
10 mph	357.26	753.37	479.20	596.35	883.34	988.55	1,718.06	2,510.48
15 mph	293.88	626.59	397.44	505.40	575.04	655.98	1,351.26	1,950.73
20 mph	241.07	514.47	326.50	419.77	490.70	560.15	1,154.21	1,670.17
25 mph	202.12	429.72	273.76	355.39	435.11	499.07	1,007.20	1,402.32
30 mph	175.11	369.61	236.71	307.38	395.52	450.55	884.27	1,231.45
35 mph	158.35	331.17	213.59	279.42	396.25	451.37	789.84	1,101.60
40 mph	148.20	308.58	199.33	261.47	385.79	435.33	723.75	1,011.77
45 mph	143.16	297.77	192.19	251.60	376.48	418.67	685.98	961.31
50 mph	143.60	297.68	192.44	253.07	394.96	434.46	676.91	944.45
55 mph	150.24	311.45	201.18	267.02	412.25	449.13	696.54	983.27
60 mph	162.89	337.65	217.95	289.13	416.22	450.57	744.23	1,042.92
65 mph	183.21	376.31	244.74	325.27	422.52	452.81		
70 mph	199.19	392.17	262.13	354.20	430.23	461.61		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,239.65
10 mph								4,258.24
15 mph								3,573.07
20 mph								3,119.32
25 mph								2,875.03
30 mph								2,718.90
35 mph								2,595.33
40 mph								2,494.02
45 mph								2,408.87
50 mph								2,335.98
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	4,678.85	409.09	2,064.34	1,149.35	1,258.43	441.97	1,326.62	11.26	11,339.92
15 mph	1,529.81	133.76	674.79	375.47	411.28	144.34	361.92	3.08	3,634.45
20 mph	2,544.68	222.48	1,122.42	624.59	683.95	240.10	601.27	5.13	6,044.63
25 mph	10,877.64	951.24	4,799.51	2,672.48	2,922.95	1,025.92	2,829.18	24.17	26,103.09
30 mph	10,619.62	928.77	4,687.07	2,612.25	2,854.15	1,001.88	2,284.87	19.50	25,008.10
35 mph	8,058.18	704.77	3,557.36	1,985.16	2,165.89	760.46	954.01	8.13	18,193.95
40 mph	2,602.35	227.61	1,148.79	641.18	698.94	245.41	1,025.67	8.73	6,598.67
45 mph	2,180.46	190.61	961.89	536.70	584.58	205.26	824.08	6.99	5,490.57
50 mph	2,245.67	196.28	990.28	552.96	601.78	211.22	1,377.56	11.66	6,187.42
55 mph	1,866.35	163.10	823.14	459.83	501.11	175.87	330.45	2.80	4,322.65
60 mph	3,843.30	336.33	1,698.72	950.20	1,042.78	365.97	343.69	2.90	8,583.90
65 mph	492.19	43.14	217.98	122.14	134.30	47.11	-	-	1,056.87
70 mph	-	-	-	-	-	-	-	-	-
total	51,539.10	4,507.18	22,746.28	12,682.31	13,860.15	4,865.52	12,259.31	104.35	122,564.20

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	386.97	33.83	170.73	198.53	269.85	94.77	-	-	1,154.69
15 mph	316.31	27.66	139.52	162.14	220.48	77.38	-	-	943.49
20 mph	263.07	23.00	116.04	134.86	183.33	64.36	1,083.94	9.25	1,877.85
25 mph	449.82	39.34	198.47	230.81	313.39	110.00	1,622.82	13.86	2,978.51
30 mph	798.46	69.83	352.41	410.19	556.39	195.31	2,471.43	21.09	4,875.11
35 mph	1,666.14	145.72	735.53	857.24	1,161.10	407.67	2,293.12	19.53	7,286.06
40 mph	1,793.58	156.87	791.76	922.92	1,248.97	438.54	2,033.93	17.31	7,403.87
45 mph	1,442.69	126.12	636.43	741.63	1,002.83	352.11	1,485.62	12.60	5,800.03
50 mph	1,671.57	146.10	737.12	859.61	1,161.39	407.63	764.12	6.47	5,754.00
55 mph	964.73	84.31	425.49	496.42	671.60	235.70	397.14	3.36	3,278.76
60 mph	595.99	52.16	263.42	307.74	419.27	147.14	28,914.17	244.31	30,944.21
65 mph	203.53	17.84	90.14	105.49	144.00	50.52	-	-	611.51
70 mph	9,488.10	832.06	4,189.65	4,958.86	6,713.74	2,347.55	-	-	28,529.94
total	20,040.95	1,754.83	8,846.71	10,386.43	14,066.33	4,928.68	41,066.30	347.80	101,438.03

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	472.05	168.19	647.19	10.98	1,298.41
15 mph	3,402.00	297.45	1,500.60	544.55	635.42	223.00	588.50	5.01	7,196.52
25 mph	-	-	-	-	857.65	301.03	1,830.11	15.63	3,004.42
35 mph	8,566.91	749.26	3,781.94	1,264.83	-	-	-	-	14,362.94
total	11,968.91	1,046.71	5,282.54	1,809.38	1,965.12	692.22	3,065.79	31.62	25,862.29

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	472.05	168.19	647.19	10.98	1,298.41
10 mph	5,065.81	442.93	2,235.07	1,347.88	1,528.28	536.75	1,326.62	11.26	12,494.60
15 mph	5,248.12	458.86	2,314.91	1,082.16	1,267.18	444.73	950.41	8.09	11,774.46
20 mph	2,807.75	245.48	1,238.45	759.45	867.28	304.46	1,685.21	14.38	7,922.47
25 mph	11,327.46	990.58	4,997.99	2,903.28	4,094.00	1,436.94	6,282.11	53.67	32,086.02
30 mph	11,418.08	998.60	5,039.47	3,022.44	3,410.54	1,197.18	4,756.30	40.59	29,883.21
35 mph	18,291.24	1,599.75	8,074.83	4,107.22	3,326.99	1,168.13	3,247.13	27.66	39,842.95
40 mph	4,395.93	384.47	1,940.55	1,564.09	1,947.90	683.96	3,059.60	26.04	14,002.55
45 mph	3,623.14	316.73	1,598.32	1,278.33	1,587.40	557.37	2,309.70	19.59	11,290.59
50 mph	3,917.24	342.38	1,727.40	1,412.57	1,763.17	618.85	2,141.69	18.13	11,941.42
55 mph	2,831.08	247.40	1,248.63	956.25	1,172.71	411.58	727.59	6.16	7,601.41
60 mph	4,439.29	388.49	1,962.14	1,257.95	1,462.05	513.12	29,257.86	247.22	39,528.10
65 mph	695.72	60.98	308.12	227.63	278.30	97.63	-	-	1,668.38
70 mph	9,488.10	832.06	4,189.65	4,958.86	6,713.74	2,347.55	-	-	28,529.94
total	83,548.96	7,308.72	36,875.53	24,878.11	29,891.60	10,486.42	56,391.40	483.77	249,864.52

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	40.89	0.26	15.66	29.45	642.61	505.86	4,155.19	11,353.63	16,743.55
15 mph	13.45	0.09	5.19	9.98	167.33	134.27	1,089.36	2,940.72	4,360.40
20 mph	22.07	0.14	8.53	16.59	285.58	229.31	1,861.00	5,035.57	7,458.79
25 mph	92.54	0.60	35.78	70.21	1,266.12	1,021.53	8,931.80	23,253.89	34,672.46
30 mph	88.19	0.57	34.03	66.80	1,266.01	1,014.43	7,128.81	18,564.02	28,162.86
35 mph	65.25	0.42	25.12	49.68	1,037.73	831.51	2,865.38	7,472.96	12,348.05
40 mph	20.35	0.13	7.82	15.50	336.78	267.32	2,917.37	7,626.20	11,191.46
45 mph	16.39	0.10	6.28	12.43	273.88	214.24	2,212.10	5,796.66	8,532.07
50 mph	16.44	0.10	6.29	12.50	287.33	222.32	3,547.14	9,254.37	13,346.49
55 mph	13.76	0.09	5.26	10.55	239.92	183.86	842.31	2,223.42	3,519.16
60 mph	29.83	0.19	11.39	22.85	484.46	368.90	899.98	2,358.31	4,175.90
65 mph	4.19	0.03	1.60	3.21	61.47	46.34	-	-	116.85
70 mph	-	-	-	-	-	-	-	-	-
total	423.34	2.71	162.96	319.75	6,349.21	5,039.88	36,450.42	95,879.76	144,628.03

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	3.38	0.02	1.30	5.09	137.80	108.47	-	-	256.06
15 mph	2.78	0.02	1.07	4.31	89.70	71.98	-	-	169.87
20 mph	2.28	0.01	0.88	3.58	76.55	61.46	3,354.92	9,077.88	12,577.57
25 mph	3.83	0.02	1.48	6.06	135.75	109.53	5,123.31	13,338.51	18,718.49
30 mph	6.63	0.04	2.56	10.49	246.80	197.75	7,710.89	20,079.81	28,254.97
35 mph	13.49	0.09	5.19	21.45	556.31	445.76	6,887.43	17,962.55	25,892.27
40 mph	14.03	0.09	5.39	22.31	601.81	477.68	5,785.23	15,122.97	22,029.49
45 mph	10.84	0.07	4.16	17.17	469.83	367.52	3,987.86	10,449.95	15,307.40
50 mph	12.23	0.08	4.68	19.43	554.51	429.06	1,967.57	5,133.34	8,120.91
55 mph	7.11	0.04	2.72	11.39	321.54	246.41	1,012.32	2,672.19	4,273.73
60 mph	4.63	0.03	1.77	7.40	194.78	148.32	75,713.59	198,400.83	274,471.35
65 mph	1.73	0.01	0.66	2.77	65.91	49.69	-	-	120.78
70 mph	86.73	0.52	32.59	139.00	3,087.23	2,330.01	-	-	5,676.08
total	169.70	1.05	64.44	270.46	6,538.53	5,043.65	111,543.12	292,238.02	415,868.96

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	302.42	343.66	1,507.34	2,614.42	4,767.84
15 mph	29.92	0.19	11.55	14.48	258.52	207.44	1,771.36	4,781.78	7,075.25
25 mph	-	-	-	-	371.50	299.74	5,777.71	15,042.23	21,491.17
35 mph	69.37	0.44	26.71	31.65	-	-	-	-	128.17
total	99.29	0.64	38.26	46.13	932.45	850.84	9,056.40	22,438.43	33,462.43

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	302.42	343.66	1,507.34	2,614.42	4,767.84
10 mph	44.27	0.28	16.95	34.54	780.41	614.33	4,155.19	11,353.63	16,999.61
15 mph	46.16	0.30	17.82	28.78	515.55	413.69	2,860.72	7,722.50	11,605.53
20 mph	24.36	0.16	9.42	20.17	362.13	290.77	5,215.91	14,113.45	20,036.36
25 mph	96.36	0.62	37.26	76.27	1,773.37	1,430.79	19,832.81	51,634.63	74,882.12
30 mph	94.82	0.61	36.59	77.29	1,512.81	1,212.18	14,839.70	38,643.83	56,417.83
35 mph	148.10	0.94	57.03	102.79	1,594.04	1,277.27	9,752.80	25,435.51	38,368.49
40 mph	34.38	0.22	13.20	37.80	938.59	745.00	8,702.60	22,749.16	33,220.95
45 mph	27.23	0.17	10.43	29.60	743.71	581.76	6,199.96	16,246.61	23,839.47
50 mph	28.67	0.18	10.97	31.93	841.84	651.38	5,514.71	14,387.71	21,467.39
55 mph	20.87	0.13	7.98	21.94	561.46	430.28	1,854.63	4,895.61	7,792.89
60 mph	34.46	0.22	13.16	30.25	679.25	517.22	76,613.57	200,759.13	278,647.25
65 mph	5.93	0.04	2.26	5.99	127.39	96.03	-	-	237.63
70 mph	86.73	0.52	32.59	139.00	3,087.23	2,330.01	-	-	5,676.08
total	692.33	4.39	265.67	636.34	13,820.19	10,934.36	157,049.94	410,556.20	593,959.43

CO2 Emissions (pounds/day) - Electric

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1,251.84	1,251.84
15 mph								350.14	350.14
20 mph								611.34	611.34
25 mph								3,099.07	3,099.07
30 mph								2,664.34	2,664.34
35 mph								1,144.46	1,144.46
40 mph								1,221.99	1,221.99
45 mph								944.21	944.21
50 mph								1,487.92	1,487.92
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	12,775.30	12,775.30

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1,102.10	1,102.10
25 mph								1,777.64	1,777.64
30 mph								2,881.89	2,881.89
35 mph								2,750.91	2,750.91
40 mph								2,423.23	2,423.23
45 mph								1,702.18	1,702.18
50 mph								825.34	825.34
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	8,512.53	8,512.53

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								171.27	171.27
15 mph								569.34	569.34
25 mph								2,004.69	2,004.69
35 mph								-	-
total	-	-	-	-	-	-	-	2,745.30	2,745.30

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								171.27	171.27
10 mph								1,251.84	1,251.84
15 mph								919.48	919.48
20 mph								1,713.45	1,713.45
25 mph								6,881.39	6,881.39
30 mph								5,546.23	5,546.23
35 mph								3,895.37	3,895.37
40 mph								3,645.22	3,645.22
45 mph								2,646.40	2,646.40
50 mph								2,313.25	2,313.25
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	28,983.90	28,983.90

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	774.47	511.85	2,154.53	2,796.67	6,237.52
10 mph	5,110.09	443.21	2,252.02	1,382.42	2,308.69	1,151.08	5,481.81	12,616.73	30,746.04
15 mph	5,294.28	459.16	2,332.73	1,110.94	1,782.73	858.42	3,811.14	8,650.07	24,299.46
20 mph	2,832.11	245.64	1,247.87	779.62	1,229.40	595.23	6,901.12	15,841.28	29,672.28
25 mph	11,423.82	991.20	5,035.25	2,979.56	5,867.37	2,867.74	26,114.92	58,569.68	113,849.54
30 mph	11,512.90	999.21	5,076.06	3,099.73	4,923.35	2,409.36	19,596.00	44,230.66	91,847.27
35 mph	18,439.34	1,600.69	8,131.86	4,210.01	4,921.04	2,445.39	12,999.93	29,358.54	82,106.80
40 mph	4,430.31	384.69	1,953.75	1,601.90	2,886.49	1,428.95	11,762.20	26,420.42	50,868.72
45 mph	3,650.37	316.90	1,608.76	1,307.93	2,331.12	1,139.13	8,509.66	18,912.60	37,776.46
50 mph	3,945.91	342.56	1,738.37	1,444.50	2,605.01	1,270.23	7,656.40	16,719.10	35,722.07
55 mph	2,851.95	247.54	1,256.61	978.19	1,734.17	841.85	2,582.22	4,901.76	15,394.29
60 mph	4,473.74	388.70	1,975.30	1,288.19	2,141.30	1,030.34	105,871.43	201,006.35	318,175.35
65 mph	701.65	61.02	310.38	233.62	405.68	193.66	-	-	1,906.01
70 mph	9,574.83	832.58	4,222.23	5,097.86	9,800.97	4,677.55	-	-	34,206.02
STREX	303.97	26.69	137.50	305.46	28.36	9.86	27.28	0.24	839.36
total	84,545.26	7,339.80	37,278.70	25,819.91	43,740.15	21,430.65	213,468.63	440,024.11	**873,647.20**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	44.89	52.86	54.87	67.73	17.20	19.63	33.60	40.57
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	303.97	26.69	137.50	305.46	28.36	9.86	27.28	0.24
Diesel	-	-	-	-	-	-	-	-
/NG	-	-	-	-	-	-	-	-
Total	303.97	26.69	137.50	305.46	28.36	9.86	27.28	0.24

World Logistics Center
Mobile Emissions - Medium EV 2032 (Net) - Mitigated

Pounds per day

PM2.5 Exhaust	Dust	Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
10.60	46.64	45.82	103.06	8.05	106.35	37.29	922,622.37

Tons per year

PM2.5 Exhaust	Dust	Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
1.93	8.51	8.36	18.81	1.47	19.41	6.81	168,378.58

World Logistics Center
Mobile Emissions - Medium EV 2032 (Net) - Mitigated
VMT

	Net Trips			Net VMT		
	Gas	**Dsl**	**Elec**	**Gas**	**Dsl**	**Elec**
LDA	3,478.18	35.97	192.82	167,808.77	1,735.34	9,302.83
LDT1	259.36	0.11	14.23	12,513.04	5.28	686.37
LDT2	1,287.00	10.27	71.20	62,093.02	495.42	3,434.93
MDT	2,155.32	57.44	121.43	33,014.75	879.92	1,859.99
LHDT1	787.54	622.31	-	18,318.47	14,475.07	-
LHDT2	240.09	437.74	-	5,584.48	10,181.98	-
MHDT	389.19	1,994.10	-	17,418.73	89,248.33	-
HHDT	2.90	3,722.92	248.19	130.01	166,623.99	11,107.90

	Surface Street VMT			Freeway VMT		
	Gas	**Dsl**	**Elec**	**Gas**	**Dsl**	**Elec**
LDA	118,716.29	1,227.66	6,581.29	49,092.48	507.67	2,721.54
LDT1	8,852.35	3.74	485.57	3,660.69	1.54	200.80
LDT2	43,927.70	350.49	2,430.04	18,165.32	144.94	1,004.89
MDT	17,715.11	472.15	998.03	15,299.64	407.77	861.95
LHDT1	8,840.22	6,985.45	-	9,478.25	7,489.61	-
LHDT2	2,694.99	4,913.67	-	2,889.49	5,268.31	-
MHDT	3,782.15	19,378.61	-	13,636.58	69,869.71	-
HHDT	28.23	36,179.30	2,411.87	101.78	130,444.69	8,696.02

	% of Surface Street VMT		% of Freeway VMT	
Speed	**All Other**	**MHDT/HHDT**	**All Other**	**MHDT/HHDT**
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	5,935.81	442.62	2,196.38	885.76	442.01	134.75	226.93	1.69	10,265.96
15 mph	2,374.33	177.05	878.55	354.30	176.80	53.90	75.64	0.56	4,091.14
20 mph	4,748.65	354.09	1,757.11	708.60	353.61	107.80	151.29	1.13	8,182.28
25 mph	23,743.26	1,770.47	8,785.54	3,543.02	1,768.04	539.00	832.07	6.21	40,987.61
30 mph	26,117.58	1,947.52	9,664.09	3,897.32	1,944.85	592.90	756.43	5.65	44,926.34
35 mph	21,368.93	1,593.42	7,906.99	3,188.72	1,591.24	485.10	340.39	2.54	36,477.33
40 mph	7,122.98	531.14	2,635.66	1,062.91	530.41	161.70	378.22	2.82	12,425.84
45 mph	5,935.81	442.62	2,196.38	885.76	442.01	134.75	302.57	2.26	10,342.16
50 mph	5,935.81	442.62	2,196.38	885.76	442.01	134.75	491.68	3.67	10,532.68
55 mph	4,748.65	354.09	1,757.11	708.60	353.61	107.80	113.46	0.85	8,144.18
60 mph	9,497.30	708.19	3,514.22	1,417.21	707.22	215.60	113.46	0.85	16,174.04
65 mph	1,187.16	88.52	439.28	177.15	88.40	26.95	-	-	2,007.47
70 mph	-	-	-	-	-	-	-	-	-
total	118,716.29	8,852.35	43,927.70	17,715.11	8,840.22	2,694.99	3,782.15	28.23	204,557.03

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	490.92	36.61	181.65	153.00	94.78	28.89	-	-	985.86
15 mph	490.92	36.61	181.65	153.00	94.78	28.89	-	-	985.86
20 mph	490.92	36.61	181.65	153.00	94.78	28.89	272.73	2.04	1,260.63
25 mph	981.85	73.21	363.31	305.99	189.56	57.79	477.28	3.56	2,452.56
30 mph	1,963.70	146.43	726.61	611.99	379.13	115.58	818.19	6.11	4,767.74
35 mph	4,418.32	329.46	1,634.88	1,376.97	853.04	260.05	818.19	6.11	9,697.03
40 mph	4,909.25	366.07	1,816.53	1,529.96	947.82	288.95	750.01	5.60	10,614.20
45 mph	3,927.40	292.86	1,453.23	1,223.97	758.26	231.16	545.46	4.07	8,436.40
50 mph	4,418.32	329.46	1,634.88	1,376.97	853.04	260.05	272.73	2.04	9,147.50
55 mph	2,454.62	183.03	908.27	764.98	473.91	144.47	136.37	1.02	5,066.68
60 mph	1,472.77	109.82	544.96	458.99	284.35	86.68	9,545.60	71.25	12,574.43
65 mph	490.92	36.61	181.65	153.00	94.78	28.89	-	-	985.86
70 mph	22,582.54	1,683.92	8,356.05	7,037.83	4,359.99	1,329.17	-	-	45,349.50
total	49,092.48	3,660.69	18,165.32	15,299.64	9,478.25	2,889.49	13,636.58	101.78	112,324.23

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	54.13	16.50	25.07	0.26	95.96
15 mph	4,702.72	350.67	1,740.11	513.52	271.76	82.85	122.21	0.91	7,784.75
25 mph	-	-	-	-	516.13	157.35	534.79	3.99	1,212.26
35 mph	20,234.04	1,508.80	7,487.05	2,030.35	-	-	-	-	31,260.24
total	24,936.76	1,859.47	9,227.16	2,543.87	787.90	240.19	657.00	4.90	40,257.26

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	54.13	16.50	25.07	0.26	95.96
10 mph	6,426.74	479.22	2,378.04	1,038.75	536.79	163.64	226.93	1.69	11,251.81
15 mph	7,567.97	564.32	2,800.32	1,020.82	543.35	165.64	197.85	1.48	12,861.75
20 mph	5,239.58	390.70	1,938.76	861.60	448.39	136.69	424.02	3.16	9,442.91
25 mph	24,725.11	1,843.68	9,148.85	3,849.01	2,473.74	754.13	1,844.15	13.76	44,652.44
30 mph	28,081.28	2,093.94	10,390.71	4,509.31	2,323.98	708.48	1,574.63	11.75	49,694.08
35 mph	46,021.30	3,431.68	17,028.92	6,596.04	2,444.28	745.15	1,158.59	8.65	77,434.60
40 mph	12,032.23	897.21	4,452.19	2,592.87	1,478.24	450.65	1,128.23	8.42	23,040.03
45 mph	9,863.21	735.47	3,649.61	2,109.73	1,200.27	365.91	848.04	6.33	18,778.57
50 mph	10,354.14	772.08	3,831.26	2,262.72	1,295.05	394.80	764.41	5.71	19,680.18
55 mph	7,203.28	537.13	2,665.37	1,473.59	827.52	252.27	249.83	1.86	13,210.85
60 mph	10,970.08	818.01	4,059.18	1,876.20	991.57	302.28	9,659.07	72.09	28,748.47
65 mph	1,678.09	125.13	620.93	330.15	183.18	55.84	-	-	2,993.33
70 mph	22,582.54	1,683.92	8,356.05	7,037.83	4,359.99	1,329.17	-	-	45,349.50
total	192,745.53	14,372.50	71,320.18	35,558.62	19,106.37	5,824.67	18,075.73	134.91	357,138.52

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	61.38	0.19	17.52	23.61	349.27	245.68	1,162.72	2,170.76	4,031.13
15 mph	24.55	0.07	7.01	9.44	139.71	98.27	387.57	723.59	1,390.22
20 mph	49.11	0.15	14.02	18.89	279.42	196.55	775.14	1,447.17	2,780.44
25 mph	245.53	0.75	70.10	94.43	1,397.09	982.73	4,263.29	7,959.45	15,013.37
30 mph	270.09	0.82	77.11	103.87	1,536.80	1,081.01	3,875.72	7,235.86	14,181.28
35 mph	220.98	0.67	63.09	84.99	1,257.38	884.46	1,744.08	3,256.14	7,511.78
40 mph	73.66	0.22	21.03	28.33	419.13	294.82	1,937.86	3,617.93	6,392.98
45 mph	61.38	0.19	17.52	23.61	349.27	245.68	1,550.29	2,894.34	5,142.29
50 mph	61.38	0.19	17.52	23.61	349.27	245.68	2,519.22	4,703.31	7,920.19
55 mph	49.11	0.15	14.02	18.89	279.42	196.55	581.36	1,085.38	2,224.86
60 mph	98.21	0.30	28.04	37.77	558.84	393.09	581.36	1,085.38	2,782.99
65 mph	12.28	0.04	3.50	4.72	69.85	49.14	-	-	139.53
70 mph	-	-	-	-	-	-	-	-	-
total	1,227.66	3.74	350.49	472.15	6,985.45	4,913.67	19,378.61	36,179.30	69,511.07

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	5.08	0.02	1.45	4.08	74.90	52.68	-	-	138.20
15 mph	5.08	0.02	1.45	4.08	74.90	52.68	-	-	138.20
20 mph	5.08	0.02	1.45	4.08	74.90	52.68	1,397.39	2,608.89	4,144.49
25 mph	10.15	0.03	2.90	8.16	149.79	105.37	2,445.44	4,565.56	7,287.40
30 mph	20.31	0.06	5.80	16.31	299.58	210.73	4,192.18	7,826.68	12,571.66
35 mph	45.69	0.14	13.04	36.70	674.07	474.15	4,192.18	7,826.68	13,262.65
40 mph	50.77	0.15	14.49	40.78	748.96	526.83	3,842.83	7,174.46	12,399.28
45 mph	40.61	0.12	11.59	32.62	599.17	421.46	2,794.79	5,217.79	9,118.16
50 mph	45.69	0.14	13.04	36.70	674.07	474.15	1,397.39	2,608.89	5,250.07
55 mph	25.38	0.08	7.25	20.39	374.48	263.42	698.70	1,304.45	2,694.14
60 mph	15.23	0.05	4.35	12.23	224.69	158.05	48,908.80	91,311.28	140,634.68
65 mph	5.08	0.02	1.45	4.08	74.90	52.68	-	-	138.20
70 mph	233.53	0.71	66.67	187.57	3,445.22	2,423.42	-	-	6,357.13
total	507.67	1.54	144.94	407.77	7,489.61	5,268.31	69,869.71	130,444.69	214,134.25

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	42.77	30.09	128.45	239.82	441.13
15 mph	48.63	0.15	13.88	13.69	214.74	151.05	626.17	1,169.05	2,237.37
25 mph	-	-	-	-	407.84	286.88	2,740.11	5,115.71	8,550.55
35 mph	209.24	0.64	59.74	54.11	-	-	-	-	323.73
total	257.87	0.78	73.62	67.80	622.59	437.94	3,366.29	6,284.76	11,111.65

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	42.77	30.09	128.45	239.82	441.13
10 mph	66.46	0.20	18.97	27.69	424.17	298.37	1,162.72	2,170.76	4,169.33
15 mph	78.26	0.24	22.34	27.21	429.35	302.01	1,013.75	1,892.63	3,765.79
20 mph	54.18	0.16	15.47	22.96	354.31	249.23	2,172.54	4,056.07	6,924.93
25 mph	255.69	0.78	73.00	102.58	1,954.73	1,374.98	9,448.85	17,640.72	30,851.32
30 mph	290.39	0.88	82.90	120.18	1,836.38	1,291.74	8,067.91	15,062.54	26,752.94
35 mph	475.91	1.45	135.87	175.80	1,931.45	1,358.61	5,936.26	11,082.82	21,098.16
40 mph	124.43	0.38	35.52	69.11	1,168.09	821.65	5,780.70	10,792.39	18,792.26
45 mph	102.00	0.31	29.12	56.23	948.44	667.15	4,345.08	8,112.13	14,260.45
50 mph	107.07	0.33	30.57	60.31	1,023.34	719.83	3,916.61	7,312.20	13,170.26
55 mph	74.49	0.23	21.27	39.27	653.90	459.96	1,280.06	2,389.83	4,919.00
60 mph	113.44	0.35	32.39	50.00	783.52	551.14	49,490.16	92,396.66	143,417.67
65 mph	17.35	0.05	4.95	8.80	144.75	101.82	-	-	277.73
70 mph	233.53	0.71	66.67	187.57	3,445.22	2,423.42	-	-	6,357.13
total	1,993.21	6.06	569.04	947.72	15,097.66	10,619.92	92,614.61	172,908.75	294,756.97

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	329.06	24.28	121.50	49.90	-	-	-	144.71	669.46
15 mph	131.63	9.71	48.60	19.96	-	-	-	48.24	258.14
20 mph	263.25	19.42	97.20	39.92	-	-	-	96.47	516.27
25 mph	1,316.26	97.11	486.01	199.61	-	-	-	530.61	2,629.60
30 mph	1,447.88	106.83	534.61	219.57	-	-	-	482.37	2,791.26
35 mph	1,184.63	87.40	437.41	179.65	-	-	-	217.07	2,106.16
40 mph	394.88	29.13	145.80	59.88	-	-	-	241.19	870.88
45 mph	329.06	24.28	121.50	49.90	-	-	-	192.95	717.70
50 mph	329.06	24.28	121.50	49.90	-	-	-	313.54	838.29
55 mph	263.25	19.42	97.20	39.92	-	-	-	72.36	492.15
60 mph	526.50	38.85	194.40	79.84	-	-	-	72.36	911.95
65 mph	65.81	4.86	24.30	9.98	-	-	-	-	104.95
70 mph	-	-	-	-	-	-	-	-	-
total	6,581.29	485.57	2,430.04	998.03	-	-	-	2,411.87	12,906.81

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	27.22	2.01	10.05	8.62	-	-	-	-	47.89
15 mph	27.22	2.01	10.05	8.62	-	-	-	-	47.89
20 mph	27.22	2.01	10.05	8.62	-	-	-	173.92	221.81
25 mph	54.43	4.02	20.10	17.24	-	-	-	304.36	400.14
30 mph	108.86	8.03	40.20	34.48	-	-	-	521.76	713.33
35 mph	244.94	18.07	90.44	77.58	-	-	-	521.76	952.79
40 mph	272.15	20.08	100.49	86.20	-	-	-	478.28	957.20
45 mph	217.72	16.06	80.39	68.96	-	-	-	347.84	730.98
50 mph	244.94	18.07	90.44	77.58	-	-	-	173.92	604.95
55 mph	136.08	10.04	50.24	43.10	-	-	-	86.96	326.42
60 mph	81.65	6.02	30.15	25.86	-	-	-	6,087.22	6,230.89
65 mph	27.22	2.01	10.05	8.62	-	-	-	-	47.89
70 mph	1,251.91	92.37	462.25	396.50	-	-	-	-	2,203.02
total	2,721.54	200.80	1,004.89	861.95	-	-	-	8,696.02	13,485.21

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	15.99	15.99
15 mph	260.70	19.23	96.26	28.93	-	-	-	77.93	483.07
25 mph	-	-	-	-	-	-	-	341.04	341.04
35 mph	1,121.72	82.76	414.18	-	-	-	-	-	1,618.65
total	1,382.42	102.00	510.44	28.93	-	-	-	418.97	2,442.76

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	15.99	15.99
10 mph	356.28	26.29	131.55	58.52	-	-	-	144.71	717.35
15 mph	419.55	30.95	154.91	57.51	-	-	-	126.17	789.09
20 mph	290.47	21.43	107.25	48.54	-	-	-	270.40	738.08
25 mph	1,370.69	101.13	506.11	216.85	-	-	-	1,176.01	3,370.78
30 mph	1,556.74	114.86	574.81	254.05	-	-	-	1,004.14	3,504.59
35 mph	2,551.29	188.24	942.03	257.22	-	-	-	738.83	4,677.60
40 mph	667.03	49.21	246.29	146.08	-	-	-	719.47	1,828.08
45 mph	546.79	40.34	201.89	118.86	-	-	-	540.79	1,448.67
50 mph	574.00	42.35	211.94	127.48	-	-	-	487.46	1,443.24
55 mph	399.33	29.46	147.45	83.02	-	-	-	159.32	818.57
60 mph	608.15	44.87	224.55	105.70	-	-	-	6,159.57	7,142.84
65 mph	93.03	6.86	34.35	18.60	-	-	-	-	152.84
70 mph	1,251.91	92.37	462.25	396.50	-	-	-	-	2,203.02
total	6,545.01	482.90	2,416.65	892.69	-	-	-	3,460.25	28,834.77

World Logistics Center
Mobile Emissions - Medium EV 2032 (Net) - Mitigated
Area Source Diesel Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	23635	330	0.21	4963.3	4655.5	48.1	258.1
	LDT1	15	1744	330	0.21	366.2	347.2	0.1	19.0
	LDT2	15	8727	330	0.21	1832.6	1722.7	13.7	95.3
	MDT	15	2629	330	0.21	552.2	509.6	13.6	28.7
	LHDT1	15	2310	330	0.21	485.1	271.0	214.1	0.0
	LHDT2	15	1111	330	0.21	233.2	82.6	150.6	0.0
	MHDT	15	3537	330	0.21	742.7	121.3	621.4	0.0
	HHDT	15	5897	330	0.21	1238.4	0.9	1160.1	77.3
Travel at Light Logistics	LDA	15	170	175	0.11	18.7	17.5	0.2	1.0
	LDT1	15	13	175	0.11	1.4	1.3	0.0	0.1
	LDT2	15	63	175	0.11	6.9	6.5	0.1	0.4
	MDT	15	16	175	0.11	1.7	1.6	0.0	0.1
	LHDT1	15	9	175	0.11	1.0	0.6	0.5	0.0
	LHDT2	15	4	175	0.11	0.5	0.2	0.3	0.0
	MHDT	15	11	175	0.11	1.3	0.2	1.1	0.0
	HHDT	15	19	175	0.11	2.1	0.0	2.0	0.1
Travel at Utility	LDA	15	192	100	0.06	11.5	10.8	0.1	0.6
	LDT1	15	14	100	0.06	0.9	0.8	0.0	0.0
	LDT2	15	71	100	0.06	4.3	4.0	0.0	0.2
	MDT	15	41	100	0.06	2.5	2.3	0.1	0.1
	LHDT1	15	6	100	0.06	0.4	0.2	0.2	0.0
	LHDT2	15	3	100	0.06	0.2	0.1	0.1	0.0
	MHDT	15	12	100	0.06	0.7	0.1	0.6	0.0
	HHDT	15	20	100	0.06	1.2	0.0	1.1	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	125	50	0.03	3.7	0.6	3.1	0.0
	HHDT	15	208	50	0.03	6.2	0.0	5.8	0.4
Travel at Convenience Store	LDA	15	587	50	0.03	17.6	16.5	0.2	0.9
	LDT1	15	43	50	0.03	1.3	1.2	0.0	0.1
	LDT2	15	217	50	0.03	6.5	6.1	0.0	0.3
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	83	50	0.03	2.5	2.3	0.0	0.1
	LDT1	15	6	50	0.03	0.2	0.2	0.0	0.0
	LDT2	15	31	50	0.03	0.9	0.9	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	4702.7	350.7	1740.1	513.5	271.8	82.8	122.2	0.9
Diesel	48.6	0.1	13.9	13.7	214.7	151.1	626.2	1169.0
Electric/Natural Gas (HHDT Only)	260.7	19.2	96.3	28.9	0.0	0.0	0.0	77.9

World Logistics Center
Mobile Emissions - Medium EV 2032 (Net) - Mitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	1155	645	510	0	3226.0	2549.2	0.0
	LHDT2	5	555	197	359	0	983.5	1793.1	0.0
	MHDT	5	1768	289	1480	0	1443.8	7397.5	0.0
	HHDT	5	2948	2	2762	184	10.8	13811.0	920.7
Travel at Light Logistics	LHDT1	5	5	3	2	0	12.9	10.2	0.0
	LHDT2	5	2	1	1	0	3.9	7.2	0.0
	MHDT	5	6	1	5	0	4.7	23.9	0.0
	HHDT	5	10	0	9	1	0.0	44.7	3.0
Travel at Utility	LHDT1	5	3	2	1	0	8.7	6.9	0.0
	LHDT2	5	2	1	1	0	2.7	4.8	0.0
	MHDT	5	6	1	5	0	4.9	24.9	0.0
	HHDT	5	10	0	9	1	0.0	46.5	3.1
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	62	10	52	0	50.9	260.8	0.0
	HHDT	5	104	0	97	6	0.4	486.9	32.5
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	54.1	16.5	25.1	0.3
Diesel	42.8	30.1	128.5	239.8
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	16.0

World Logistics Center
Mobile Emissions - Medium EV 2032 (Net) - Mitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0354	0.0338	0.0337	0.0354
10 mph	0.0035	0.0043	0.0037	0.0038	0.0045	0.0043	0.0043	0.0045
15 mph	0.0023	0.0029	0.0025	0.0025	0.0030	0.0028	0.0028	0.0030
20 mph	0.0016	0.0020	0.0017	0.0018	0.0021	0.0020	0.0020	0.0021
25 mph	0.0012	0.0015	0.0013	0.0013	0.0015	0.0015	0.0015	0.0015
30 mph	0.0009	0.0012	0.0010	0.0010	0.0012	0.0011	0.0011	0.0012
35 mph	0.0008	0.0010	0.0008	0.0008	0.0010	0.0009	0.0009	0.0010
40 mph	0.0007	0.0008	0.0007	0.0007	0.0009	0.0008	0.0008	0.0009
45 mph	0.0006	0.0008	0.0007	0.0007	0.0008	0.0007	0.0007	0.0008
50 mph	0.0006	0.0007	0.0006	0.0006	0.0008	0.0007	0.0007	0.0008
55 mph	0.0006	0.0007	0.0006	0.0007	0.0008	0.0007	0.0007	0.0008
60 mph	0.0006	0.0008	0.0007	0.0007	0.0008	0.0008	0.0008	0.0008
65 mph	0.0007	0.0009	0.0008	0.0008	0.0009	0.0009		
70 mph	0.0008	0.0010	0.0008	0.0009	0.0010	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7599	0.7652	0.0070	0.0096
10 mph	0.0050	0.1026	0.0086	0.0043	0.0190	0.0289	0.0041	0.0103
15 mph	0.0041	0.0754	0.0074	0.0036	0.0150	0.0238	0.0032	0.0080
20 mph	0.0034	0.0580	0.0063	0.0030	0.0126	0.0200	0.0027	0.0058
25 mph	0.0028	0.0465	0.0054	0.0025	0.0105	0.0169	0.0026	0.0060
30 mph	0.0024	0.0389	0.0047	0.0022	0.0093	0.0149	0.0028	0.0065
35 mph	0.0021	0.0341	0.0043	0.0020	0.0085	0.0134	0.0034	0.0079
40 mph	0.0019	0.0312	0.0039	0.0019	0.0078	0.0124	0.0044	0.0101
45 mph	0.0018	0.0297	0.0036	0.0017	0.0074	0.0116	0.0057	0.0132
50 mph	0.0017	0.0295	0.0034	0.0017	0.0071	0.0110	0.0074	0.0170
55 mph	0.0017	0.0308	0.0032	0.0016	0.0068	0.0105	0.0094	0.0223
60 mph	0.0017	0.0334	0.0032	0.0016	0.0068	0.0105	0.0118	0.0275
65 mph	0.0018	0.0379	0.0032	0.0016	0.0074	0.0110		
70 mph	0.0018	0.0430	0.0032	0.0018	0.0107	0.0135		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0280
10 mph								0.0057
15 mph								0.0048
20 mph								0.0041
25 mph								0.0037
30 mph								0.0035
35 mph								0.0033
40 mph								0.0031
45 mph								0.0030
50 mph								0.0030
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0460	0.0042	0.0181	0.0074	0.0044	0.0013	0.0021	0.0000	0.0835
15 mph	0.0122	0.0011	0.0048	0.0020	0.0012	0.0003	0.0005	0.0000	0.0221
20 mph	0.0171	0.0016	0.0067	0.0028	0.0016	0.0005	0.0007	0.0000	0.0310
25 mph	0.0632	0.0059	0.0249	0.0103	0.0060	0.0017	0.0027	0.0000	0.1147
30 mph	0.0541	0.0050	0.0213	0.0088	0.0052	0.0015	0.0019	0.0000	0.0979
35 mph	0.0364	0.0034	0.0143	0.0059	0.0035	0.0010	0.0007	0.0000	0.0652
40 mph	0.0105	0.0010	0.0041	0.0017	0.0010	0.0003	0.0007	0.0000	0.0193
45 mph	0.0080	0.0007	0.0032	0.0013	0.0008	0.0002	0.0005	0.0000	0.0147
50 mph	0.0078	0.0007	0.0030	0.0013	0.0007	0.0002	0.0008	0.0000	0.0145
55 mph	0.0063	0.0006	0.0025	0.0010	0.0006	0.0002	0.0002	0.0000	0.0114
60 mph	0.0136	0.0012	0.0053	0.0022	0.0013	0.0004	0.0002	0.0000	0.0242
65 mph	0.0019	0.0002	0.0007	0.0003	0.0002	0.0001	-	-	0.0034
70 mph	-	-	-	-	-	-	-	-	-
total	0.2771	0.0257	0.1090	0.0450	0.0264	0.0076	0.0109	0.0001	0.5018

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0038	0.0003	0.0015	0.0013	0.0009	0.0003	-	-	0.0081
15 mph	0.0025	0.0002	0.0010	0.0009	0.0006	0.0002	-	-	0.0054
20 mph	0.0018	0.0002	0.0007	0.0006	0.0004	0.0001	0.0012	0.0000	0.0050
25 mph	0.0026	0.0002	0.0010	0.0009	0.0006	0.0002	0.0015	0.0000	0.0072
30 mph	0.0041	0.0004	0.0016	0.0014	0.0010	0.0003	0.0021	0.0000	0.0108
35 mph	0.0075	0.0007	0.0030	0.0026	0.0019	0.0005	0.0017	0.0000	0.0178
40 mph	0.0073	0.0007	0.0029	0.0025	0.0018	0.0005	0.0013	0.0000	0.0169
45 mph	0.0053	0.0005	0.0021	0.0018	0.0013	0.0004	0.0009	0.0000	0.0123
50 mph	0.0058	0.0005	0.0023	0.0020	0.0014	0.0004	0.0004	0.0000	0.0128
55 mph	0.0033	0.0003	0.0013	0.0011	0.0008	0.0002	0.0002	0.0000	0.0072
60 mph	0.0021	0.0002	0.0008	0.0007	0.0005	0.0002	0.0166	0.0001	0.0212
65 mph	0.0008	0.0001	0.0003	0.0003	0.0002	0.0001	-	-	0.0017
70 mph	0.0401	0.0036	0.0154	0.0133	0.0098	0.0028	-	-	0.0851
total	0.0869	0.0080	0.0338	0.0292	0.0214	0.0062	0.0259	0.0002	0.2116

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0042	0.0012	0.0019	0.0000	0.0073
15 mph	0.0242	0.0022	0.0095	0.0029	0.0018	0.0005	0.0008	0.0000	0.0419
25 mph	-	-	-	-	0.0018	0.0005	0.0017	0.0000	0.0040
35 mph	0.0345	0.0032	0.0136	0.0038	-	-	-	-	0.0550
total	0.0586	0.0054	0.0231	0.0066	0.0078	0.0023	0.0044	0.0000	0.1082

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0042	0.0012	0.0019	0.0000	0.0073
10 mph	0.0498	0.0046	0.0196	0.0087	0.0053	0.0015	0.0021	0.0000	0.0916
15 mph	0.0389	0.0036	0.0153	0.0057	0.0036	0.0010	0.0012	0.0000	0.0693
20 mph	0.0189	0.0017	0.0074	0.0034	0.0021	0.0006	0.0019	0.0000	0.0360
25 mph	0.0658	0.0061	0.0259	0.0112	0.0084	0.0024	0.0060	0.0000	0.1258
30 mph	0.0582	0.0054	0.0229	0.0102	0.0062	0.0018	0.0040	0.0000	0.1087
35 mph	0.0784	0.0073	0.0308	0.0122	0.0053	0.0015	0.0024	0.0000	0.1381
40 mph	0.0178	0.0017	0.0070	0.0042	0.0028	0.0008	0.0020	0.0000	0.0362
45 mph	0.0133	0.0012	0.0052	0.0031	0.0021	0.0006	0.0014	0.0000	0.0270
50 mph	0.0135	0.0013	0.0053	0.0032	0.0022	0.0006	0.0012	0.0000	0.0273
55 mph	0.0096	0.0009	0.0038	0.0021	0.0014	0.0004	0.0004	0.0000	0.0186
60 mph	0.0157	0.0014	0.0061	0.0029	0.0018	0.0005	0.0168	0.0001	0.0454
65 mph	0.0027	0.0002	0.0011	0.0006	0.0004	0.0001	-	-	0.0051
70 mph	0.0401	0.0036	0.0154	0.0133	0.0098	0.0028	-	-	0.0851
total	0.4226	0.0391	0.1659	0.0809	0.0555	0.0161	0.0412	0.0003	0.8215

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0003	0.0002	0.0147	0.0156	0.0104	0.0493	0.0912
15 mph	0.0002	0.0000	0.0001	0.0001	0.0046	0.0051	0.0027	0.0127	0.0256
20 mph	0.0004	0.0000	0.0002	0.0001	0.0077	0.0087	0.0047	0.0185	0.0402
25 mph	0.0015	0.0001	0.0008	0.0005	0.0325	0.0365	0.0244	0.1048	0.2012
30 mph	0.0014	0.0001	0.0008	0.0005	0.0315	0.0354	0.0243	0.1039	0.1979
35 mph	0.0010	0.0001	0.0006	0.0004	0.0235	0.0262	0.0132	0.0566	0.1216
40 mph	0.0003	0.0000	0.0002	0.0001	0.0072	0.0080	0.0188	0.0809	0.1156
45 mph	0.0002	0.0000	0.0001	0.0001	0.0057	0.0063	0.0195	0.0845	0.1165
50 mph	0.0002	0.0000	0.0001	0.0001	0.0055	0.0060	0.0410	0.1763	0.2292
55 mph	0.0002	0.0000	0.0001	0.0001	0.0042	0.0046	0.0121	0.0533	0.0745
60 mph	0.0004	0.0000	0.0002	0.0001	0.0084	0.0091	0.0152	0.0658	0.0992
65 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0012	-	-	0.0024
70 mph	-	-	-	-	-	-	-	-	-
total	0.0066	0.0003	0.0036	0.0024	0.1466	0.1627	0.1862	0.8066	1.3151

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0000	0.0031	0.0034	-	-	0.0066
15 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0028	-	-	0.0053
20 mph	0.0000	0.0000	0.0000	0.0000	0.0021	0.0023	0.0084	0.0333	0.0462
25 mph	0.0001	0.0000	0.0000	0.0000	0.0035	0.0039	0.0140	0.0601	0.0817
30 mph	0.0001	0.0000	0.0001	0.0001	0.0061	0.0069	0.0262	0.1124	0.1519
35 mph	0.0002	0.0000	0.0001	0.0002	0.0126	0.0141	0.0318	0.1362	0.1951
40 mph	0.0002	0.0000	0.0001	0.0002	0.0129	0.0144	0.0372	0.1604	0.2255
45 mph	0.0002	0.0000	0.0001	0.0001	0.0097	0.0108	0.0352	0.1524	0.2084
50 mph	0.0002	0.0000	0.0001	0.0001	0.0105	0.0115	0.0228	0.0978	0.1430
55 mph	0.0001	0.0000	0.0001	0.0001	0.0056	0.0061	0.0145	0.0640	0.0905
60 mph	0.0001	0.0000	0.0000	0.0000	0.0034	0.0036	1.2753	5.5338	6.8163
65 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0013	-	-	0.0025
70 mph	0.0009	0.0001	0.0005	0.0007	0.0814	0.0719	-	-	0.1556
total	0.0022	0.0001	0.0012	0.0017	0.1548	0.1529	1.4654	6.3504	8.1286

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0717	0.0508	0.0020	0.0051	0.1295
15 mph	0.0004	0.0000	0.0002	0.0001	0.0071	0.0079	0.0044	0.0205	0.0408
25 mph	-	-	-	-	0.0095	0.0107	0.0157	0.0674	0.1032
35 mph	0.0010	0.0000	0.0006	0.0002	-	-	-	-	0.0018
total	0.0014	0.0001	0.0008	0.0004	0.0882	0.0693	0.0221	0.0930	0.2753

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0717	0.0508	0.0020	0.0051	0.1295
10 mph	0.0007	0.0000	0.0004	0.0003	0.0178	0.0190	0.0104	0.0493	0.0978
15 mph	0.0007	0.0000	0.0004	0.0002	0.0142	0.0158	0.0072	0.0332	0.0718
20 mph	0.0004	0.0000	0.0002	0.0002	0.0098	0.0110	0.0131	0.0518	0.0864
25 mph	0.0016	0.0001	0.0009	0.0006	0.0454	0.0511	0.0542	0.2323	0.3861
30 mph	0.0015	0.0001	0.0009	0.0006	0.0376	0.0423	0.0505	0.2164	0.3498
35 mph	0.0022	0.0001	0.0013	0.0008	0.0361	0.0403	0.0450	0.1928	0.3185
40 mph	0.0005	0.0000	0.0003	0.0003	0.0202	0.0224	0.0560	0.2413	0.3411
45 mph	0.0004	0.0000	0.0002	0.0002	0.0154	0.0170	0.0547	0.2369	0.3249
50 mph	0.0004	0.0000	0.0002	0.0002	0.0160	0.0175	0.0638	0.2741	0.3722
55 mph	0.0003	0.0000	0.0002	0.0001	0.0098	0.0107	0.0266	0.1173	0.1650
60 mph	0.0004	0.0000	0.0002	0.0002	0.0118	0.0127	1.2905	5.5995	6.9154
65 mph	0.0001	0.0000	0.0000	0.0000	0.0024	0.0025	-	-	0.0050
70 mph	0.0009	0.0001	0.0005	0.0007	0.0814	0.0719	-	-	0.1556
total	0.0102	0.0006	0.0056	0.0044	0.3896	0.3850	1.6737	7.2501	9.7191

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/NG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0018	0.0018
15 mph								0.0005	0.0005
20 mph								0.0009	0.0009
25 mph								0.0044	0.0044
30 mph								0.0037	0.0037
35 mph								0.0016	0.0016
40 mph								0.0017	0.0017
45 mph								0.0013	0.0013
50 mph								0.0021	0.0021
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0179	0.0179

Freeway Emissions Electric/NG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0016	0.0016
25 mph								0.0025	0.0025
30 mph								0.0040	0.0040
35 mph								0.0037	0.0037
40 mph								0.0033	0.0033
45 mph								0.0023	0.0023
50 mph								0.0012	0.0012
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0118	0.0118

Internal Emissions Electric/NG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0008	0.0008
25 mph								0.0028	0.0028
35 mph								-	-
total	-	-	-	-	-	-	-	0.0046	0.0046

Total Emissions Electric/NG

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0018	0.0018
15 mph								0.0013	0.0013
20 mph								0.0025	0.0025
25 mph								0.0097	0.0097
30 mph								0.0077	0.0077
35 mph								0.0053	0.0053
40 mph								0.0049	0.0049
45 mph								0.0036	0.0036
50 mph								0.0032	0.0032
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0411	0.0411

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0759	0.0520	0.0038	0.0061	0.1378
10 mph	0.0505	0.0046	0.0199	0.0090	0.0231	0.0205	0.0125	0.0511	0.1913
15 mph	0.0396	0.0036	0.0157	0.0059	0.0178	0.0169	0.0084	0.0346	0.1424
20 mph	0.0193	0.0018	0.0077	0.0035	0.0119	0.0116	0.0149	0.0543	0.1249
25 mph	0.0673	0.0062	0.0268	0.0117	0.0538	0.0536	0.0601	0.2420	0.5216
30 mph	0.0597	0.0055	0.0238	0.0108	0.0438	0.0441	0.0544	0.2240	0.4661
35 mph	0.0806	0.0074	0.0321	0.0130	0.0414	0.0418	0.0474	0.1981	0.4619
40 mph	0.0183	0.0017	0.0073	0.0045	0.0230	0.0232	0.0580	0.2463	0.3822
45 mph	0.0138	0.0013	0.0055	0.0033	0.0175	0.0176	0.0560	0.2406	0.3555
50 mph	0.0139	0.0013	0.0055	0.0034	0.0181	0.0181	0.0650	0.2773	0.4027
55 mph	0.0099	0.0009	0.0039	0.0023	0.0112	0.0111	0.0270	0.1173	0.1836
60 mph	0.0161	0.0015	0.0064	0.0031	0.0136	0.0132	1.3072	5.5997	6.9608
65 mph	0.0028	0.0003	0.0011	0.0006	0.0027	0.0026	-	-	0.0101
70 mph	0.0410	0.0037	0.0158	0.0141	0.0913	0.0748	-	-	0.2407
STREX	0.0085	0.0008	0.0033	0.0056	0.0005	0.0002	0.0003	0.0000	0.0192
total	0.4414	0.0404	0.1747	0.0909	0.4456	0.4012	1.7152	7.2915	**10.6009**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0011	0.0013	0.0011	0.0012	0.0003	0.0003	0.0004	0.0005
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0085	0.0008	0.0033	0.0056	0.0005	0.0002	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0085	0.0008	0.0033	0.0056	0.0005	0.0002	0.0003	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	4.6464	0.3465	1.7193	0.6933	0.6776	0.2390	0.4909	0.0020
Diesel	0.0480	0.0001	0.0137	0.0185	0.5508	0.4466	2.5151	2.7842
Electric/NG	0.2576	0.0190	0.0951	0.0391	-	-	-	0.1886
Total	4.9520	0.3656	1.8281	0.7509	1.2284	0.6856	3.0060	2.9748

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.9214	0.1433	0.7110	0.5988	0.7265	0.2563	1.7698	0.0071
Diesel	0.0199	0.0001	0.0057	0.0160	0.5906	0.4788	9.0681	10.0385
Electric/NG	0.1065	0.0079	0.0393	0.0337	-	-	-	0.6799
Total	2.0478	0.1512	0.7560	0.6485	1.3170	0.7351	10.8380	10.7255

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.9760	0.0728	0.3611	0.0996	0.0604	0.0213	0.0853	0.0003
Diesel	0.0101	0.0000	0.0029	0.0027	0.0491	0.0398	0.4369	0.4836
Electric/NG	0.0541	0.0040	0.0200	0.0011	-	-	-	0.0328
Total	1.0402	0.0768	0.3840	0.1033	0.1095	0.0611	0.5222	0.5167

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	7.5438	0.5625	2.7914	1.3917	1.4644	0.5166	2.3460	0.0094	16.6258
Diesel	0.0780	0.0002	0.0223	0.0371	1.1905	0.9652	12.0201	13.3064	27.6198
Electric/NG	0.4182	0.0309	0.1544	0.0739	-	-	-	0.9013	1.5787
Total	8.0400	0.5936	2.9681	1.5027	2.6549	1.4818	14.3661	14.2170	**45.8242**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	26.3286
Internal	20.3096
Total	**46.6382**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0584	0.0400	0.0030	0.0047	0.1061
10 mph	0.0323	0.0029	0.0128	0.0058	0.0178	0.0158	0.0096	0.0393	0.1364
15 mph	0.0253	0.0023	0.0100	0.0038	0.0137	0.0130	0.0065	0.0266	0.1013
20 mph	0.0123	0.0011	0.0049	0.0023	0.0092	0.0089	0.0115	0.0418	0.0920
25 mph	0.0431	0.0040	0.0171	0.0075	0.0414	0.0413	0.0463	0.1864	0.3871
30 mph	0.0382	0.0035	0.0152	0.0069	0.0337	0.0340	0.0419	0.1725	0.3460
35 mph	0.0516	0.0047	0.0205	0.0083	0.0319	0.0322	0.0365	0.1526	0.3383
40 mph	0.0117	0.0011	0.0047	0.0029	0.0177	0.0179	0.0446	0.1896	0.2902
45 mph	0.0088	0.0008	0.0035	0.0021	0.0135	0.0136	0.0432	0.1852	0.2706
50 mph	0.0089	0.0008	0.0035	0.0022	0.0140	0.0139	0.0501	0.2136	0.3070
55 mph	0.0063	0.0006	0.0025	0.0015	0.0086	0.0085	0.0208	0.0903	0.1392
60 mph	0.0103	0.0009	0.0041	0.0020	0.0105	0.0102	1.0066	4.3118	5.3563
65 mph	0.0018	0.0002	0.0007	0.0004	0.0021	0.0020	-	-	0.0071
70 mph	0.0263	0.0024	0.0101	0.0090	0.0703	0.0576	-	-	0.1756
total	0.2770	0.0254	0.1097	0.0546	0.3427	0.3088	1.3205	5.6144	8.0531

World Logistics Center
Mobile Emissions - Medium EV 2032 (Net) - Mitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0049	0.0068	0.0061	0.0067	0.0085	0.0095	0.0167	0.2042
15 mph	0.0043	0.0059	0.0053	0.0059	0.0074	0.0083	0.0148	0.1802
20 mph	0.0038	0.0053	0.0048	0.0053	0.0068	0.0075	0.0133	0.1622
25 mph	0.0035	0.0048	0.0043	0.0048	0.0062	0.0069	0.0121	0.1482
30 mph	0.0033	0.0044	0.0040	0.0045	0.0058	0.0064	0.0112	0.1378
35 mph	0.0031	0.0042	0.0038	0.0042	0.0055	0.0060	0.0105	0.1301
40 mph	0.0029	0.0040	0.0036	0.0040	0.0053	0.0058	0.0100	0.1244
45 mph	0.0029	0.0039	0.0035	0.0039	0.0051	0.0056	0.0097	0.1208
50 mph	0.0028	0.0039	0.0034	0.0039	0.0051	0.0055	0.0095	0.1196
55 mph	0.0029	0.0039	0.0035	0.0039	0.0052	0.0056	0.0097	0.1208
60 mph	0.0030	0.0041	0.0037	0.0041	0.0054	0.0058	0.0100	0.1247
65 mph	0.0031	0.0044	0.0038	0.0043	0.0057	0.0061	0.0105	0.1309
70 mph	0.0033	0.0048	0.0040	0.0046	0.0062	0.0063	0.0103	0.1375

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0553	0.1156	0.0741	0.0922	0.1371	0.1535	0.2663	0.3868
15 mph	0.0455	0.0961	0.0614	0.0781	0.0893	0.1019	0.2095	0.3006
20 mph	0.0373	0.0789	0.0505	0.0649	0.0762	0.0870	0.1789	0.2580
25 mph	0.0313	0.0659	0.0423	0.0549	0.0676	0.0775	0.1561	0.2160
30 mph	0.0271	0.0567	0.0366	0.0475	0.0614	0.0700	0.1371	0.1897
35 mph	0.0245	0.0508	0.0330	0.0432	0.0615	0.0701	0.1224	0.1697
40 mph	0.0229	0.0473	0.0308	0.0404	0.0599	0.0676	0.1122	0.1559
45 mph	0.0222	0.0457	0.0297	0.0389	0.0584	0.0650	0.1064	0.1482
50 mph	0.0222	0.0457	0.0297	0.0391	0.0613	0.0674	0.1050	0.1456
55 mph	0.0232	0.0478	0.0311	0.0412	0.0640	0.0697	0.1080	0.1516
60 mph	0.0252	0.0518	0.0337	0.0447	0.0646	0.0699	0.1154	0.1608
65 mph	0.0283	0.0577	0.0378	0.0502	0.0656	0.0703	0.1272	0.1743
70 mph	0.0308	0.0602	0.0406	0.0546	0.0667	0.0716	0.1284	0.1771

*US EPA Emission Factors for Greenhouse Gas Inventories. (Idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.8546
15 mph								0.7170
20 mph								0.6260
25 mph								0.5771
30 mph								0.5458
35 mph								0.5211
40 mph								0.5008
45 mph								0.4837
50 mph								0.4691
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0638	0.0066	0.0293	0.0132	0.0083	0.0028	0.0084	0.0008	0.1332
15 mph	0.0224	0.0023	0.0103	0.0046	0.0029	0.0010	0.0025	0.0002	0.0462
20 mph	0.0403	0.0041	0.0184	0.0082	0.0053	0.0018	0.0044	0.0004	0.0830
25 mph	0.1838	0.0187	0.0837	0.0375	0.0241	0.0081	0.0222	0.0020	0.3802
30 mph	0.1880	0.0191	0.0853	0.0383	0.0248	0.0083	0.0186	0.0017	0.3841
35 mph	0.1454	0.0147	0.0657	0.0296	0.0193	0.0065	0.0079	0.0007	0.2897
40 mph	0.0463	0.0047	0.0209	0.0094	0.0062	0.0021	0.0083	0.0008	0.0987
45 mph	0.0373	0.0038	0.0169	0.0076	0.0050	0.0017	0.0064	0.0006	0.0794
50 mph	0.0369	0.0038	0.0167	0.0076	0.0050	0.0016	0.0103	0.0010	0.0829
55 mph	0.0299	0.0031	0.0136	0.0061	0.0041	0.0013	0.0024	0.0002	0.0607
60 mph	0.0621	0.0065	0.0284	0.0128	0.0084	0.0028	0.0025	0.0002	0.1236
65 mph	0.0081	0.0009	0.0037	0.0017	0.0011	0.0004	-	-	0.0159
70 mph	-	-	-	-	-	-	-	-	-
total	0.8643	0.0881	0.3928	0.1767	0.1143	0.0384	0.0940	0.0087	1.7773

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0053	0.0005	0.0024	0.0023	0.0018	0.0006	-	-	0.0129
15 mph	0.0046	0.0005	0.0021	0.0020	0.0016	0.0005	-	-	0.0113
20 mph	0.0042	0.0004	0.0019	0.0018	0.0014	0.0005	0.0080	0.0007	0.0189
25 mph	0.0076	0.0008	0.0035	0.0032	0.0026	0.0009	0.0127	0.0012	0.0324
30 mph	0.0141	0.0014	0.0064	0.0060	0.0048	0.0016	0.0201	0.0019	0.0564
35 mph	0.0301	0.0030	0.0136	0.0128	0.0103	0.0035	0.0189	0.0018	0.0939
40 mph	0.0319	0.0032	0.0144	0.0136	0.0110	0.0037	0.0165	0.0015	0.0959
45 mph	0.0247	0.0025	0.0112	0.0105	0.0086	0.0029	0.0116	0.0011	0.0731
50 mph	0.0275	0.0028	0.0124	0.0117	0.0096	0.0032	0.0057	0.0005	0.0735
55 mph	0.0154	0.0016	0.0070	0.0066	0.0054	0.0018	0.0029	0.0003	0.0411
60 mph	0.0096	0.0010	0.0044	0.0042	0.0034	0.0011	0.2100	0.0196	0.2533
65 mph	0.0034	0.0004	0.0015	0.0015	0.0012	0.0004	-	-	0.0083
70 mph	0.1632	0.0178	0.0735	0.0717	0.0596	0.0184	-	-	0.4044
total	0.3416	0.0360	0.1544	0.1479	0.1214	0.0391	0.3066	0.0285	1.1754

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0016	0.0005	0.0007	0.0000	0.0028
15 mph	0.0444	0.0046	0.0204	0.0067	0.0045	0.0015	0.0040	0.0004	0.0863
25 mph	-	-	-	-	0.0070	0.0024	0.0143	0.0013	0.0250
35 mph	0.1376	0.0139	0.0622	0.0188	-	-	-	-	0.2326
total	0.1820	0.0185	0.0825	0.0255	0.0131	0.0044	0.0190	0.0017	0.3467

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0016	0.0005	0.0007	0.0000	0.0028
10 mph	0.0691	0.0072	0.0318	0.0154	0.0100	0.0034	0.0084	0.0008	0.1461
15 mph	0.0714	0.0073	0.0328	0.0133	0.0089	0.0030	0.0064	0.0006	0.1437
20 mph	0.0444	0.0045	0.0203	0.0100	0.0067	0.0023	0.0124	0.0011	0.1019
25 mph	0.1914	0.0195	0.0872	0.0408	0.0337	0.0114	0.0492	0.0045	0.4376
30 mph	0.2022	0.0205	0.0917	0.0443	0.0296	0.0100	0.0387	0.0036	0.4405
35 mph	0.3131	0.0317	0.1414	0.0612	0.0296	0.0099	0.0267	0.0025	0.6161
40 mph	0.0782	0.0079	0.0353	0.0230	0.0172	0.0058	0.0249	0.0023	0.1946
45 mph	0.0620	0.0063	0.0280	0.0181	0.0136	0.0045	0.0181	0.0017	0.1524
50 mph	0.0644	0.0066	0.0291	0.0193	0.0146	0.0048	0.0161	0.0015	0.1564
55 mph	0.0453	0.0047	0.0206	0.0128	0.0095	0.0031	0.0053	0.0005	0.1018
60 mph	0.0717	0.0075	0.0328	0.0170	0.0118	0.0039	0.2125	0.0198	0.3769
65 mph	0.0115	0.0012	0.0053	0.0032	0.0023	0.0008	-	-	0.0241
70 mph	0.1632	0.0178	0.0735	0.0717	0.0596	0.0184	-	-	0.4044
total	1.3880	0.1426	0.6298	0.3501	0.2487	0.0819	0.4195	0.0389	3.2994

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0075	0.0000	0.0029	0.0048	0.1056	0.0831	0.6828	1.8512	2.7380
15 mph	0.0025	0.0000	0.0009	0.0016	0.0275	0.0221	0.1790	0.4796	0.7132
20 mph	0.0040	0.0000	0.0016	0.0027	0.0469	0.0377	0.3058	0.8234	1.2222
25 mph	0.0169	0.0001	0.0065	0.0114	0.2081	0.1679	1.4677	3.7908	5.6696
30 mph	0.0161	0.0001	0.0062	0.0109	0.2081	0.1667	1.1715	3.0269	4.6065
35 mph	0.0119	0.0001	0.0046	0.0081	0.1705	0.1367	0.4709	1.2187	2.0215
40 mph	0.0037	0.0000	0.0014	0.0025	0.0553	0.0439	0.4795	1.2439	1.8304
45 mph	0.0030	0.0000	0.0011	0.0020	0.0450	0.0352	0.3636	0.9458	1.3957
50 mph	0.0030	0.0000	0.0011	0.0020	0.0472	0.0365	0.5830	1.5102	2.1832
55 mph	0.0025	0.0000	0.0010	0.0017	0.0394	0.0302	0.1384	0.3628	0.5761
60 mph	0.0055	0.0000	0.0021	0.0037	0.0796	0.0606	0.1479	0.3848	0.6843
65 mph	0.0008	0.0000	0.0003	0.0005	0.0101	0.0076	-	-	0.0193
70 mph	-	-	-	-	-	-	-	-	-
total	0.0775	0.0005	0.0298	0.0521	1.0435	0.8284	5.9901	15.6382	23.6600

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0002	0.0008	0.0226	0.0178	-	-	0.0422
15 mph	0.0005	0.0000	0.0002	0.0007	0.0147	0.0118	-	-	0.0280
20 mph	0.0004	0.0000	0.0002	0.0006	0.0126	0.0101	0.5513	1.4844	2.0595
25 mph	0.0007	0.0000	0.0003	0.0010	0.0223	0.0180	0.8419	2.1744	3.0586
30 mph	0.0012	0.0000	0.0005	0.0017	0.0406	0.0325	1.2671	3.2740	4.6176
35 mph	0.0025	0.0000	0.0009	0.0035	0.0914	0.0733	1.1318	2.9295	4.2329
40 mph	0.0026	0.0000	0.0010	0.0036	0.0989	0.0785	0.9508	2.4668	3.6022
45 mph	0.0020	0.0000	0.0008	0.0028	0.0772	0.0604	0.6554	1.7050	2.5035
50 mph	0.0022	0.0000	0.0009	0.0032	0.0911	0.0705	0.3234	0.8377	1.3290
55 mph	0.0013	0.0000	0.0005	0.0019	0.0528	0.0405	0.1664	0.4360	0.6994
60 mph	0.0008	0.0000	0.0003	0.0012	0.0320	0.0244	12.4444	32.3762	44.8793
65 mph	0.0003	0.0000	0.0001	0.0005	0.0108	0.0082	-	-	0.0199
70 mph	0.0159	0.0001	0.0060	0.0226	0.5064	0.3824	-	-	0.9332
total	0.0310	0.0002	0.0118	0.0440	1.0735	0.8283	18.3325	47.6840	68.0054

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0005	0.0003	0.0014	0.0025	0.0047
15 mph	0.0049	0.0000	0.0019	0.0024	0.0423	0.0339	0.2892	0.7748	1.1494
25 mph	-	-	-	-	0.0608	0.0490	0.9433	2.4364	3.4895
35 mph	0.0113	0.0001	0.0043	0.0052	-	-	-	-	0.0209
total	0.0162	0.0001	0.0062	0.0075	0.1035	0.0833	1.2339	3.2138	4.6644

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0005	0.0003	0.0014	0.0025	0.0047
10 mph	0.0081	0.0001	0.0031	0.0056	0.1283	0.1010	0.6828	1.8512	2.7802
15 mph	0.0078	0.0001	0.0030	0.0047	0.0845	0.0678	0.4682	1.2543	1.8905
20 mph	0.0045	0.0000	0.0017	0.0033	0.0595	0.0478	0.8571	2.3078	3.2817
25 mph	0.0176	0.0001	0.0068	0.0124	0.2912	0.2350	3.2529	8.4017	12.2177
30 mph	0.0174	0.0001	0.0067	0.0126	0.2487	0.1993	2.4386	6.3009	9.2242
35 mph	0.0257	0.0002	0.0099	0.0167	0.2620	0.2099	1.6027	4.1482	6.2753
40 mph	0.0063	0.0000	0.0024	0.0062	0.1542	0.1224	1.4302	3.7107	5.4325
45 mph	0.0050	0.0000	0.0019	0.0048	0.1222	0.0956	1.0190	2.6507	3.8993
50 mph	0.0052	0.0000	0.0020	0.0052	0.1383	0.1071	0.9064	2.3479	3.5122
55 mph	0.0038	0.0000	0.0015	0.0036	0.0923	0.0707	0.3048	0.7988	1.2755
60 mph	0.0063	0.0000	0.0024	0.0049	0.1116	0.0850	12.5923	32.7610	45.5636
65 mph	0.0011	0.0000	0.0004	0.0010	0.0209	0.0158	-	-	0.0392
70 mph	0.0159	0.0001	0.0060	0.0226	0.5064	0.3824	-	-	0.9332
total	0.1247	0.0008	0.0478	0.1036	2.2206	1.7400	25.5565	66.5359	96.3298

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.2727	0.2727
15 mph								0.0763	0.0763
20 mph								0.1332	0.1332
25 mph								0.6752	0.6752
30 mph								0.5806	0.5806
35 mph								0.2494	0.2494
40 mph								0.2663	0.2663
45 mph								0.2058	0.2058
50 mph								0.3243	0.3243
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.7838	2.7838

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.2401	0.2401
25 mph								0.3873	0.3873
30 mph								0.6280	0.6280
35 mph								0.5995	0.5995
40 mph								0.5281	0.5281
45 mph								0.3710	0.3710
50 mph								0.1799	0.1799
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	1.8548	1.8548

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0005	0.0005
15 mph								0.1232	0.1232
25 mph								0.4340	0.4340
35 mph								-	-
total	-	-	-	-	-	-	-	0.5577	0.5577

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0005	0.0005
10 mph								0.2727	0.2727
15 mph								0.1995	0.1995
20 mph								0.3733	0.3733
25 mph								1.4965	1.4965
30 mph								1.2085	1.2085
35 mph								0.8489	0.8489
40 mph								0.7945	0.7945
45 mph								0.5768	0.5768
50 mph								0.5042	0.5042
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	6.2753	6.2753

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0021	0.0008	0.0021	0.0030	0.0080
10 mph	0.0772	0.0072	0.0349	0.0211	0.1383	0.1044	0.6912	2.1246	3.1989
15 mph	0.0792	0.0074	0.0358	0.0179	0.0934	0.0709	0.4747	1.4544	2.2338
20 mph	0.0489	0.0046	0.0220	0.0133	0.0662	0.0501	0.8696	2.6822	3.7568
25 mph	0.2091	0.0196	0.0940	0.0532	0.3249	0.2463	3.3021	9.9026	14.1518
30 mph	0.2195	0.0206	0.0984	0.0569	0.2783	0.2092	2.4773	7.5130	10.8732
35 mph	0.3388	0.0318	0.1513	0.0779	0.2916	0.2199	1.6295	4.9996	7.7404
40 mph	0.0845	0.0080	0.0377	0.0291	0.1715	0.1282	1.4551	4.5075	6.4216
45 mph	0.0670	0.0063	0.0299	0.0230	0.1358	0.1001	1.0371	3.2292	4.6285
50 mph	0.0696	0.0066	0.0311	0.0245	0.1530	0.1119	0.9225	2.8537	4.1729
55 mph	0.0491	0.0047	0.0220	0.0163	0.1017	0.0738	0.3102	0.7993	1.3773
60 mph	0.0780	0.0075	0.0352	0.0219	0.1234	0.0889	12.8048	32.7808	45.9405
65 mph	0.0126	0.0012	0.0057	0.0041	0.0232	0.0165	-	-	0.0633
70 mph	0.1791	0.0179	0.0795	0.0943	0.5660	0.4008	-	-	1.3376
STREX	0.1524	0.0124	0.0637	0.1131	0.0578	0.0177	0.0254	0.0000	0.4425
total	1.6651	0.1558	0.7412	0.5668	2.5271	1.8395	26.0015	72.8501	**106.3471**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0199	0.0217	0.0224	0.0238	0.0333	0.0334	0.0296	0.0029
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1524	0.0124	0.0637	0.1131	0.0578	0.0177	0.0254	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1524	0.0124	0.0637	0.1131	0.0578	0.0177	0.0254	0.0000

World Logistics Center
Mobile Emissions - Medium EV 2032 (Net) - Mitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.8830	1.9036	3.3672	2.4072
10 mph	0.0047	0.0090	0.0077	0.0090	0.0092	0.0078	0.0172	0.3036
15 mph	0.0031	0.0060	0.0052	0.0060	0.0062	0.0052	0.0115	0.2016
20 mph	0.0022	0.0043	0.0037	0.0042	0.0044	0.0037	0.0081	0.1417
25 mph	0.0016	0.0032	0.0027	0.0031	0.0033	0.0027	0.0060	0.1048
30 mph	0.0013	0.0025	0.0021	0.0025	0.0026	0.0021	0.0046	0.0819
35 mph	0.0010	0.0021	0.0017	0.0020	0.0022	0.0017	0.0038	0.0675
40 mph	0.0009	0.0018	0.0015	0.0018	0.0019	0.0015	0.0033	0.0588
45 mph	0.0008	0.0017	0.0014	0.0016	0.0018	0.0014	0.0030	0.0539
50 mph	0.0008	0.0016	0.0013	0.0016	0.0017	0.0014	0.0029	0.0522
55 mph	0.0008	0.0016	0.0013	0.0016	0.0018	0.0014	0.0030	0.0531
60 mph	0.0008	0.0017	0.0014	0.0017	0.0019	0.0015	0.0032	0.0568
65 mph	0.0009	0.0019	0.0016	0.0018	0.0022	0.0017		
70 mph	0.0010	0.0022	0.0017	0.0020	0.0023	0.0017		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0235	0.1100
10 mph	0.0037	0.0133	0.0091	0.0041	0.0257	0.0258	0.0015	0.0038
15 mph	0.0019	0.0080	0.0045	0.0020	0.0129	0.0129	0.0008	0.0021
20 mph	0.0008	0.0048	0.0017	0.0008	0.0054	0.0054	0.0006	0.0013
25 mph	0.0005	0.0035	0.0010	0.0005	0.0034	0.0034	0.0005	0.0011
30 mph	0.0004	0.0029	0.0008	0.0004	0.0026	0.0026	0.0004	0.0009
35 mph	0.0003	0.0025	0.0006	0.0003	0.0022	0.0022	0.0003	0.0007
40 mph	0.0002	0.0022	0.0005	0.0002	0.0018	0.0018	0.0003	0.0006
45 mph	0.0002	0.0021	0.0004	0.0002	0.0016	0.0016	0.0002	0.0006
50 mph	0.0002	0.0020	0.0004	0.0002	0.0015	0.0015	0.0002	0.0006
55 mph	0.0002	0.0021	0.0003	0.0002	0.0014	0.0014	0.0003	0.0006
60 mph	0.0002	0.0022	0.0003	0.0002	0.0013	0.0013	0.0003	0.0007
65 mph	0.0002	0.0025	0.0003	0.0002	0.0015	0.0015		
70 mph	0.0002	0.0028	0.0003	0.0002	0.0022	0.0020		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.8919
10 mph								10.9554
15 mph								7.5662
20 mph								5.3747
25 mph								3.9432
30 mph								2.9208
35 mph								2.1656
40 mph								1.6082
45 mph								1.1976
50 mph								0.8962
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0612	0.0087	0.0375	0.0175	0.0090	0.0023	0.0086	0.0011	0.1460
15 mph	0.0163	0.0024	0.0101	0.0047	0.0024	0.0006	0.0019	0.0003	0.0386
20 mph	0.0229	0.0034	0.0142	0.0066	0.0035	0.0009	0.0027	0.0004	0.0545
25 mph	0.0844	0.0125	0.0525	0.0246	0.0129	0.0032	0.0109	0.0014	0.2025
30 mph	0.0721	0.0108	0.0450	0.0211	0.0112	0.0028	0.0077	0.0010	0.1717
35 mph	0.0484	0.0073	0.0301	0.0142	0.0076	0.0019	0.0028	0.0004	0.1127
40 mph	0.0140	0.0021	0.0087	0.0041	0.0022	0.0005	0.0027	0.0004	0.0348
45 mph	0.0107	0.0016	0.0067	0.0031	0.0017	0.0004	0.0020	0.0003	0.0266
50 mph	0.0103	0.0016	0.0064	0.0030	0.0017	0.0004	0.0031	0.0004	0.0270
55 mph	0.0084	0.0013	0.0052	0.0025	0.0014	0.0003	0.0007	0.0001	0.0199
60 mph	0.0177	0.0026	0.0109	0.0052	0.0030	0.0007	0.0008	0.0001	0.0410
65 mph	0.0025	0.0004	0.0015	0.0007	0.0004	0.0001	-	-	0.0056
70 mph	-	-	-	-	-	-	-	-	-
total	0.3688	0.0547	0.2288	0.1073	0.0570	0.0142	0.0441	0.0058	0.8807

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0051	0.0007	0.0031	0.0030	0.0019	0.0005	-	-	0.0143
15 mph	0.0034	0.0005	0.0021	0.0020	0.0013	0.0003	-	-	0.0096
20 mph	0.0024	0.0003	0.0015	0.0014	0.0009	0.0002	0.0049	0.0006	0.0123
25 mph	0.0035	0.0005	0.0022	0.0021	0.0014	0.0003	0.0063	0.0008	0.0171
30 mph	0.0054	0.0008	0.0034	0.0033	0.0022	0.0005	0.0083	0.0011	0.0251
35 mph	0.0100	0.0015	0.0062	0.0061	0.0041	0.0010	0.0068	0.0009	0.0367
40 mph	0.0096	0.0015	0.0060	0.0059	0.0040	0.0010	0.0054	0.0007	0.0342
45 mph	0.0071	0.0011	0.0044	0.0043	0.0030	0.0007	0.0036	0.0005	0.0247
50 mph	0.0077	0.0012	0.0048	0.0047	0.0032	0.0008	0.0017	0.0002	0.0243
55 mph	0.0043	0.0007	0.0027	0.0027	0.0019	0.0004	0.0009	0.0001	0.0136
60 mph	0.0027	0.0004	0.0017	0.0017	0.0012	0.0003	0.0665	0.0089	0.0834
65 mph	0.0010	0.0001	0.0006	0.0006	0.0004	0.0001	-	-	0.0030
70 mph	0.0514	0.0081	0.0305	0.0315	0.0224	0.0049	-	-	0.1488
total	0.1137	0.0174	0.0691	0.0694	0.0479	0.0112	0.1043	0.0140	0.4470

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2247	0.0693	0.1861	0.0014	0.4816
15 mph	0.0323	0.0047	0.0199	0.0068	0.0037	0.0009	0.0031	0.0004	0.0718
25 mph	-	-	-	-	0.0038	0.0009	0.0070	0.0009	0.0127
35 mph	0.0458	0.0069	0.0285	0.0090	-	-	-	-	0.0903
total	0.0781	0.0116	0.0484	0.0158	0.2322	0.0712	0.1963	0.0027	0.6563

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2247	0.0693	0.1861	0.0014	0.4816
10 mph	0.0662	0.0095	0.0406	0.0205	0.0109	0.0028	0.0086	0.0011	0.1603
15 mph	0.0519	0.0075	0.0320	0.0135	0.0074	0.0019	0.0050	0.0007	0.1200
20 mph	0.0252	0.0037	0.0157	0.0081	0.0044	0.0011	0.0076	0.0010	0.0667
25 mph	0.0878	0.0131	0.0547	0.0267	0.0181	0.0045	0.0242	0.0032	0.2323
30 mph	0.0776	0.0116	0.0484	0.0244	0.0134	0.0033	0.0160	0.0021	0.1967
35 mph	0.1042	0.0157	0.0649	0.0294	0.0117	0.0029	0.0096	0.0013	0.2396
40 mph	0.0237	0.0036	0.0147	0.0100	0.0062	0.0015	0.0081	0.0011	0.0690
45 mph	0.0178	0.0027	0.0111	0.0075	0.0047	0.0011	0.0056	0.0008	0.0512
50 mph	0.0180	0.0027	0.0112	0.0078	0.0049	0.0012	0.0049	0.0007	0.0513
55 mph	0.0127	0.0019	0.0079	0.0051	0.0032	0.0008	0.0016	0.0002	0.0335
60 mph	0.0205	0.0030	0.0126	0.0068	0.0041	0.0010	0.0673	0.0090	0.1243
65 mph	0.0035	0.0005	0.0021	0.0013	0.0009	0.0002	-	-	0.0085
70 mph	0.0514	0.0081	0.0305	0.0315	0.0224	0.0049	-	-	0.1488
total	0.5606	0.0836	0.3463	0.1926	0.3371	0.0965	0.3447	0.0225	1.9839

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0005	0.0000	0.0004	0.0002	0.0198	0.0140	0.0039	0.0181	0.0569
15 mph	0.0001	0.0000	0.0001	0.0000	0.0040	0.0028	0.0007	0.0033	0.0110
20 mph	0.0001	0.0000	0.0001	0.0000	0.0033	0.0024	0.0010	0.0042	0.0110
25 mph	0.0003	0.0000	0.0002	0.0001	0.0105	0.0074	0.0043	0.0187	0.0414
30 mph	0.0002	0.0000	0.0001	0.0001	0.0089	0.0063	0.0031	0.0138	0.0325
35 mph	0.0001	0.0000	0.0001	0.0001	0.0060	0.0042	0.0012	0.0051	0.0168
40 mph	0.0000	0.0000	0.0000	0.0000	0.0017	0.0012	0.0011	0.0049	0.0090
45 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0009	0.0008	0.0036	0.0066
50 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0008	0.0013	0.0059	0.0092
55 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	0.0003	0.0015	0.0033
60 mph	0.0000	0.0000	0.0000	0.0000	0.0017	0.0012	0.0004	0.0017	0.0050
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0014	0.0000	0.0009	0.0006	0.0593	0.0418	0.0181	0.0808	0.2031

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0042	0.0030	-	-	0.0074
15 mph	0.0000	0.0000	0.0000	0.0000	0.0021	0.0015	-	-	0.0037
20 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0006	0.0018	0.0075	0.0108
25 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0008	0.0024	0.0107	0.0151
30 mph	0.0000	0.0000	0.0000	0.0000	0.0017	0.0012	0.0034	0.0149	0.0213
35 mph	0.0000	0.0000	0.0000	0.0000	0.0032	0.0023	0.0028	0.0123	0.0206
40 mph	0.0000	0.0000	0.0000	0.0000	0.0030	0.0021	0.0022	0.0097	0.0171
45 mph	0.0000	0.0000	0.0000	0.0000	0.0021	0.0015	0.0015	0.0065	0.0116
50 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0015	0.0007	0.0032	0.0077
55 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0008	0.0004	0.0018	0.0041
60 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0332	0.1469	0.1812
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	0.0001	0.0000	0.0000	0.0001	0.0163	0.0108	-	-	0.0273
total	0.0003	0.0000	0.0002	0.0002	0.0391	0.0268	0.0484	0.2136	0.3285

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0139	0.0098	0.0066	0.0582	0.0885
15 mph	0.0002	0.0000	0.0001	0.0001	0.0061	0.0043	0.0012	0.0054	0.0173
25 mph	-	-	-	-	0.0031	0.0022	0.0027	0.0120	0.0200
35 mph	0.0001	0.0000	0.0001	0.0000	-	-	-	-	0.0003
total	0.0003	0.0000	0.0002	0.0001	0.0231	0.0162	0.0106	0.0756	0.1261

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0139	0.0098	0.0066	0.0582	0.0885
10 mph	0.0005	0.0000	0.0004	0.0002	0.0241	0.0170	0.0039	0.0181	0.0643
15 mph	0.0003	0.0000	0.0002	0.0001	0.0122	0.0086	0.0019	0.0087	0.0320
20 mph	0.0001	0.0000	0.0001	0.0000	0.0042	0.0030	0.0028	0.0117	0.0219
25 mph	0.0003	0.0000	0.0002	0.0001	0.0146	0.0104	0.0094	0.0415	0.0765
30 mph	0.0002	0.0000	0.0001	0.0001	0.0107	0.0075	0.0065	0.0287	0.0538
35 mph	0.0003	0.0000	0.0002	0.0001	0.0092	0.0065	0.0039	0.0174	0.0376
40 mph	0.0001	0.0000	0.0000	0.0000	0.0047	0.0033	0.0033	0.0146	0.0261
45 mph	0.0000	0.0000	0.0000	0.0000	0.0034	0.0024	0.0023	0.0101	0.0182
50 mph	0.0000	0.0000	0.0000	0.0000	0.0033	0.0023	0.0021	0.0091	0.0169
55 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0014	0.0007	0.0033	0.0074
60 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0016	0.0336	0.1487	0.1863
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	-	-	0.0008
70 mph	0.0001	0.0000	0.0000	0.0001	0.0163	0.0108	-	-	0.0273
total	0.0021	0.0000	0.0013	0.0009	0.1214	0.0848	0.0770	0.3700	0.6576

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								3.4958	3.4958
15 mph								0.8048	0.8048
20 mph								1.1433	1.1433
25 mph								4.6135	4.6135
30 mph								3.1067	3.1067
35 mph								1.0365	1.0365
40 mph								0.8553	0.8553
45 mph								0.5095	0.5095
50 mph								0.6196	0.6196
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	16.1850	16.1850

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								2.0612	2.0612
25 mph								2.6463	2.6463
30 mph								3.3603	3.3603
35 mph								2.4915	2.4915
40 mph								1.6960	1.6960
45 mph								0.9186	0.9186
50 mph								0.3437	0.3437
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	10.5593	10.5593

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0667	0.0667
15 mph								1.3002	1.3002
25 mph								2.9652	2.9652
35 mph								-	-
total	-	-	-	-	-	-	-	4.3321	4.3321

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0667	0.0667
10 mph								3.4958	3.4958
15 mph								2.1050	2.1050
20 mph								3.2045	3.2045
25 mph								10.2251	10.2251
30 mph								6.4670	6.4670
35 mph								3.5280	3.5280
40 mph								2.5513	2.5513
45 mph								1.4281	1.4281
50 mph								0.9633	0.9633
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	34.0348	34.0348

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2386	0.0790	0.1928	0.1263	0.6367
10 mph	0.0668	0.0095	0.0410	0.0208	0.0350	0.0198	0.0125	3.5151	3.7204
15 mph	0.0522	0.0075	0.0323	0.0136	0.0196	0.0105	0.0069	2.1143	2.2570
20 mph	0.0253	0.0037	0.0157	0.0081	0.0086	0.0041	0.0103	3.2172	3.2931
25 mph	0.0881	0.0131	0.0549	0.0268	0.0327	0.0149	0.0337	10.2698	10.5338
30 mph	0.0778	0.0116	0.0485	0.0245	0.0240	0.0108	0.0225	6.4978	6.7176
35 mph	0.1045	0.0157	0.0651	0.0295	0.0209	0.0093	0.0136	3.5467	3.8052
40 mph	0.0237	0.0036	0.0148	0.0101	0.0110	0.0048	0.0114	2.5670	2.6464
45 mph	0.0179	0.0027	0.0111	0.0075	0.0081	0.0035	0.0079	1.4390	1.4976
50 mph	0.0181	0.0027	0.0112	0.0078	0.0082	0.0035	0.0069	0.9731	1.0315
55 mph	0.0128	0.0019	0.0079	0.0051	0.0052	0.0021	0.0024	0.0035	0.0409
60 mph	0.0205	0.0030	0.0126	0.0069	0.0065	0.0026	0.1008	0.1577	0.3106
65 mph	0.0035	0.0005	0.0021	0.0013	0.0013	0.0005	-	-	0.0094
70 mph	0.0515	0.0081	0.0306	0.0315	0.0387	0.0157	-	-	0.1761
STREX	0.2167	0.0203	0.1093	0.2054	0.0253	0.0077	0.0279	0.0000	0.6127
total	0.7793	0.1039	0.4570	0.3990	0.4838	0.1891	0.4496	34.4273	**37.2890**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0283	0.0354	0.0385	0.0432	0.0146	0.0146	0.0325	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2167	0.0203	0.1093	0.2054	0.0253	0.0077	0.0279	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.2167	0.0203	0.1093	0.2054	0.0253	0.0077	0.0279	0.0000

World Logistics Center
Mobile Emissions - Medium EV 2032 (Net) - Mitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,115.24	4,810.98	12,173.21	19,979.51
10 mph	415.02	487.05	492.63	605.64	1,349.47	1,555.07	2,770.31	3,251.32
15 mph	339.25	398.15	402.62	494.73	1,102.68	1,269.77	2,267.61	2,667.69
20 mph	282.15	331.12	334.84	411.48	916.88	1,056.12	1,883.89	2,222.69
25 mph	241.22	283.13	286.34	352.07	783.66	902.48	1,611.55	1,903.35
30 mph	214.09	251.30	254.20	312.80	695.64	801.20	1,431.55	1,689.59
35 mph	198.55	233.05	235.79	290.47	645.19	743.28	1,328.29	1,564.81
40 mph	192.36	225.78	228.42	281.43	624.60	719.60	1,285.24	1,512.71
45 mph	193.42	226.92	229.52	282.72	626.88	722.21	1,290.79	1,513.97
50 mph	199.20	233.66	236.30	291.26	645.32	743.19	1,327.86	1,554.57
55 mph	206.93	242.68	245.51	302.74	671.69	773.49	1,380.29	1,614.64
60 mph	213.03	250.21	253.31	312.77	698.88	804.80	1,435.65	1,676.71
65 mph	218.27	256.76	260.04	321.59	720.07	828.87		
70 mph	221.27	260.24	262.83	328.34	729.48	837.10		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,334.74	5,390.57	5,542.79	5,120.05
10 mph	351.79	735.50	471.28	586.40	872.44	976.43	1,694.43	2,460.48
15 mph	289.37	611.66	390.86	497.05	568.09	648.07	1,332.58	1,912.16
20 mph	237.37	502.20	321.10	412.84	484.75	553.38	1,138.28	1,641.59
25 mph	199.01	419.46	269.23	349.46	429.81	493.01	993.27	1,374.13
30 mph	172.41	360.75	232.78	302.19	390.67	445.05	872.08	1,206.93
35 mph	155.90	323.19	210.04	274.64	391.34	445.82	778.98	1,079.91
40 mph	145.90	301.16	196.02	256.98	380.98	429.94	713.84	992.02
45 mph	140.94	290.58	189.00	247.29	371.79	413.49	676.62	942.77
50 mph	141.36	290.45	189.25	248.72	390.03	429.08	667.71	926.44
55 mph	147.91	303.94	197.86	262.42	407.08	443.54	687.09	964.41
60 mph	160.36	329.55	214.35	284.15	411.03	444.99	734.11	1,023.01
65 mph	180.35	367.27	240.69	319.59	417.15	447.11		
70 mph	195.94	382.70	258.03	347.59	424.05	455.21		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,153.67
10 mph								4,191.99
15 mph								3,517.41
20 mph								3,070.94
25 mph								2,830.87
30 mph								2,677.51
35 mph								2,556.12
40 mph								2,456.59
45 mph								2,372.91
50 mph								2,301.22
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	5,432.01	475.35	2,385.83	1,182.88	1,315.24	462.05	1,386.20	12.14	12,651.69
15 mph	1,776.13	155.43	779.96	386.50	429.89	150.91	378.22	3.32	4,060.36
20 mph	2,954.34	258.53	1,297.33	642.92	714.90	251.04	628.44	5.53	6,753.03
25 mph	12,628.55	1,105.30	5,547.07	2,750.51	3,055.13	1,072.58	2,956.75	26.06	29,141.96
30 mph	12,329.19	1,079.13	5,416.81	2,688.10	2,983.17	1,047.44	2,387.72	21.03	27,952.60
35 mph	9,355.51	818.82	4,110.93	2,042.36	2,263.76	795.04	996.97	8.77	20,392.15
40 mph	3,021.17	264.43	1,327.49	659.60	730.51	256.57	1,071.84	9.42	7,341.03
45 mph	2,531.53	221.47	1,111.58	552.17	610.98	214.59	861.18	7.54	6,111.03
50 mph	2,607.16	228.04	1,144.39	568.85	628.95	220.82	1,439.61	12.58	6,850.40
55 mph	2,166.72	189.48	951.19	473.02	523.72	183.86	345.33	3.02	4,836.34
60 mph	4,461.26	390.72	1,962.86	977.39	1,089.84	382.60	359.18	3.13	9,626.98
65 mph	571.37	50.12	251.87	125.62	140.36	49.26	-	-	1,188.60
70 mph	-	-	-	-	-	-	-	-	-
total	59,834.94	5,236.80	26,287.32	13,049.92	14,486.45	5,086.74	12,811.45	112.54	136,906.16

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	449.26	39.31	197.32	204.32	282.03	99.08	-	-	1,271.32
15 mph	367.24	32.14	161.27	166.90	230.46	80.90	-	-	1,038.90
20 mph	305.43	26.73	134.12	138.81	191.62	67.29	1,132.92	9.98	2,006.89
25 mph	522.23	45.71	229.39	237.55	327.56	115.00	1,696.00	14.95	3,188.38
30 mph	926.99	81.14	407.27	422.11	581.54	204.19	2,582.69	22.75	5,228.67
35 mph	1,934.38	169.30	849.99	881.94	1,213.57	426.21	2,396.39	21.07	7,892.85
40 mph	2,082.23	182.25	914.93	949.44	1,305.39	458.48	2,125.50	18.67	8,036.88
45 mph	1,674.97	146.53	735.47	763.01	1,048.13	368.12	1,552.49	13.59	6,302.31
50 mph	1,940.64	169.74	851.83	884.31	1,213.82	426.16	798.54	6.98	6,292.02
55 mph	1,120.00	97.95	491.68	510.65	701.90	246.41	415.03	3.62	3,587.24
60 mph	691.82	60.59	304.39	316.54	438.19	153.83	30,217.64	263.41	32,446.41
65 mph	236.28	20.73	104.16	108.49	150.49	52.81	-	-	672.95
70 mph	11,017.96	966.28	4,842.68	5,095.28	7,013.05	2,453.39	-	-	31,388.63
total	23,269.41	2,038.39	10,224.49	10,679.35	14,697.75	5,151.86	42,917.19	375.02	109,353.47

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	491.16	175.05	672.94	11.65	1,350.80
15 mph	3,517.90	307.86	1,544.84	560.19	660.77	231.96	611.07	5.37	7,439.94
25 mph	-	-	-	-	891.86	313.11	1,900.37	16.75	3,122.10
35 mph	8,858.65	775.33	3,892.60	1,300.43	-	-	-	-	14,827.01
total	12,376.54	1,083.19	5,437.43	1,860.62	2,043.80	720.12	3,184.37	33.76	26,739.84

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	491.16	175.05	672.94	11.65	1,350.80
10 mph	5,881.27	514.66	2,583.15	1,387.19	1,597.27	561.12	1,386.20	12.14	13,923.01
15 mph	5,661.27	495.43	2,486.07	1,113.59	1,321.11	463.77	989.29	8.69	12,539.21
20 mph	3,259.77	285.25	1,431.45	781.74	906.52	318.33	1,761.36	15.51	8,759.92
25 mph	13,150.78	1,151.00	5,776.46	2,988.06	4,274.55	1,500.69	6,553.12	57.77	35,452.44
30 mph	13,256.18	1,160.27	5,824.08	3,110.21	3,564.72	1,251.63	4,970.41	43.78	33,181.27
35 mph	20,148.54	1,763.45	8,853.52	4,224.74	3,477.33	1,221.25	3,393.35	29.84	43,112.00
40 mph	5,103.40	446.67	2,242.42	1,609.03	2,035.90	715.05	3,197.34	28.09	15,377.90
45 mph	4,206.50	368.00	1,847.06	1,315.18	1,659.11	582.70	2,413.66	21.13	12,413.35
50 mph	4,547.80	397.79	1,996.22	1,453.16	1,842.78	646.98	2,238.15	19.56	13,142.42
55 mph	3,286.72	287.43	1,442.88	983.67	1,225.61	430.27	760.37	6.64	8,423.57
60 mph	5,153.08	451.31	2,267.25	1,293.93	1,528.03	536.43	30,576.83	266.54	42,073.39
65 mph	807.65	70.84	356.03	234.11	290.85	102.07	-	-	1,861.55
70 mph	11,017.96	966.28	4,842.68	5,095.28	7,013.05	2,453.39	-	-	31,388.63
total	95,480.90	8,358.38	41,949.24	25,589.90	31,227.99	10,958.72	58,913.02	521.33	272,999.47

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	47.62	0.30	18.21	30.52	671.90	528.97	4,344.16	11,777.14	17,418.82
15 mph	15.67	0.10	6.04	10.35	175.00	140.43	1,138.82	3,050.87	4,537.29
20 mph	25.70	0.17	9.93	17.19	298.66	239.83	1,945.53	5,238.34	7,775.35
25 mph	107.75	0.69	41.61	72.76	1,324.05	1,068.32	9,337.34	24,116.72	36,069.24
30 mph	102.68	0.65	39.58	69.21	1,323.85	1,060.83	7,452.78	19,256.70	29,306.29
35 mph	75.96	0.48	29.22	51.47	1,085.00	869.45	2,995.71	7,753.51	12,860.80
40 mph	23.70	0.15	9.09	16.05	352.09	279.49	3,050.24	7,913.87	11,644.68
45 mph	19.08	0.12	7.30	12.87	286.33	224.00	2,312.95	6,016.78	8,879.44
50 mph	19.13	0.12	7.31	12.95	300.38	232.44	3,709.04	9,607.87	13,889.24
55 mph	16.02	0.10	6.12	10.93	250.81	192.22	880.78	2,308.08	3,665.04
60 mph	34.73	0.22	13.25	23.67	506.49	385.71	941.06	2,448.32	4,353.43
65 mph	4.88	0.03	1.86	3.33	64.25	48.44	-	-	122.80
70 mph	-	-	-	-	-	-	-	-	-
total	492.90	3.13	189.52	331.30	6,638.82	5,270.15	38,108.41	99,488.20	150,522.43

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	3.94	0.03	1.51	5.27	144.08	113.43	-	-	268.25
15 mph	3.24	0.02	1.25	4.47	93.82	75.28	-	-	178.08
20 mph	2.66	0.02	1.03	3.71	80.05	64.28	3,507.32	9,443.44	13,102.51
25 mph	4.46	0.03	1.72	6.28	141.96	114.54	5,355.93	13,833.43	19,458.35
30 mph	7.72	0.05	2.98	10.87	258.07	206.80	8,061.32	20,829.05	29,376.85
35 mph	15.71	0.10	6.04	22.22	581.65	466.10	7,200.69	18,636.89	26,929.41
40 mph	16.33	0.10	6.26	23.11	629.17	499.44	6,048.72	15,693.42	22,916.56
45 mph	12.62	0.08	4.83	17.79	491.19	384.27	4,169.69	10,846.77	15,927.25
50 mph	14.24	0.09	5.44	20.13	579.70	448.60	2,057.38	5,329.42	8,455.00
55 mph	8.28	0.05	3.16	11.80	336.14	257.62	1,058.55	2,773.93	4,449.52
60 mph	5.39	0.03	2.06	7.66	203.64	155.08	79,169.57	205,973.62	285,517.05
65 mph	2.02	0.01	0.77	2.87	68.89	51.94	-	-	126.50
70 mph	100.89	0.60	37.93	143.76	3,221.42	2,432.47	-	-	5,937.08
total	197.49	1.21	74.98	279.95	6,829.79	5,269.86	116,629.16	303,359.98	432,642.42

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	314.50	357.61	1,569.94	2,707.48	4,949.53
15 mph	31.03	0.20	11.97	15.00	269.00	215.86	1,839.92	4,929.08	7,312.05
25 mph	-	-	-	-	386.52	311.87	6,001.32	15,500.34	22,200.05
35 mph	71.93	0.45	27.67	32.77	-	-	-	-	132.82
total	102.96	0.65	39.63	47.77	970.02	885.33	9,411.17	23,136.91	34,594.45

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	314.50	357.61	1,569.94	2,707.48	4,949.53
10 mph	51.55	0.33	19.72	35.80	815.98	642.39	4,344.16	11,777.14	17,687.07
15 mph	49.94	0.32	19.26	29.82	537.82	431.58	2,978.74	7,979.96	12,027.42
20 mph	28.36	0.18	10.95	20.90	378.72	304.11	5,452.85	14,681.78	20,877.86
25 mph	112.20	0.72	43.33	79.05	1,852.53	1,494.73	20,694.59	53,450.49	77,727.64
30 mph	110.40	0.70	42.55	80.08	1,581.92	1,267.63	15,514.10	40,085.76	58,683.15
35 mph	163.60	1.03	62.93	106.46	1,666.66	1,335.56	10,196.39	26,390.41	39,923.03
40 mph	40.03	0.25	15.35	39.16	981.25	778.94	9,098.97	23,607.29	34,561.24
45 mph	31.70	0.20	12.14	30.66	777.53	608.28	6,482.64	16,863.56	24,806.69
50 mph	33.38	0.21	12.76	33.07	880.08	681.04	5,766.41	14,937.30	22,344.25
55 mph	24.29	0.15	9.28	22.73	586.95	449.85	1,939.32	5,082.00	8,114.57
60 mph	40.11	0.25	15.31	31.33	710.13	540.78	80,110.63	208,421.94	289,870.48
65 mph	6.90	0.04	2.63	6.20	133.14	100.38	-	-	249.30
70 mph	100.89	0.60	37.93	143.76	3,221.42	2,432.47	-	-	5,937.08
total	793.35	4.99	304.13	659.02	14,438.63	11,425.34	164,148.74	425,985.09	617,759.30

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1,337.62	1,337.62
15 mph								374.12	374.12
20 mph								653.27	653.27
25 mph								3,312.11	3,312.11
30 mph								2,847.90	2,847.90
35 mph								1,223.45	1,223.45
40 mph								1,306.46	1,306.46
45 mph								1,009.56	1,009.56
50 mph								1,590.98	1,590.98
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	13,655.49	13,655.49

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1,177.69	1,177.69
25 mph								1,899.84	1,899.84
30 mph								3,080.44	3,080.44
35 mph								2,940.78	2,940.78
40 mph								2,590.75	2,590.75
45 mph								1,819.99	1,819.99
50 mph								882.51	882.51
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	9,098.74	9,098.74

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								181.68	181.68
15 mph								604.45	604.45
25 mph								2,128.77	2,128.77
35 mph								-	-
total	-	-	-	-	-	-	-	2,914.89	2,914.89

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								181.68	181.68
10 mph								1,337.62	1,337.62
15 mph								978.57	978.57
20 mph								1,830.96	1,830.96
25 mph								7,340.72	7,340.72
30 mph								5,928.34	5,928.34
35 mph								4,164.23	4,164.23
40 mph								3,897.21	3,897.21
45 mph								2,829.56	2,829.56
50 mph								2,473.49	2,473.49
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	30,962.37	30,962.37

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	805.67	532.66	2,242.88	2,900.81	6,482.00
10 mph	5,932.82	514.99	2,602.87	1,422.99	2,413.25	1,203.52	5,730.36	13,126.90	32,947.70
15 mph	5,711.20	495.75	2,505.32	1,143.41	1,858.93	895.35	3,968.03	8,967.21	25,545.20
20 mph	3,288.13	285.44	1,442.40	802.64	1,285.24	622.44	7,214.21	16,528.25	31,468.74
25 mph	13,262.98	1,151.72	5,819.79	3,067.10	6,127.09	2,995.43	27,247.71	60,848.98	120,520.80
30 mph	13,366.58	1,160.97	5,866.63	3,190.29	5,146.64	2,519.26	20,484.51	46,057.88	97,792.76
35 mph	20,312.14	1,764.48	8,916.44	4,331.20	5,143.98	2,556.80	13,589.75	30,584.48	87,199.27
40 mph	5,143.42	446.92	2,257.77	1,648.19	3,017.16	1,493.99	12,296.31	27,532.58	53,836.35
45 mph	4,238.20	368.20	1,859.19	1,345.84	2,436.64	1,190.98	8,896.30	19,714.24	40,049.59
50 mph	4,581.17	398.00	2,008.97	1,486.23	2,722.86	1,328.02	8,004.56	17,430.34	37,960.16
55 mph	3,311.01	287.58	1,452.15	1,006.39	1,812.56	880.11	2,699.69	5,088.64	16,538.14
60 mph	5,193.19	451.56	2,282.55	1,325.26	2,238.16	1,077.21	110,687.46	208,688.48	331,943.87
65 mph	814.55	70.89	358.66	240.31	424.00	202.45	-	-	2,110.85
70 mph	11,118.85	966.88	4,880.61	5,239.04	10,234.47	4,885.86	-	-	37,325.71
STREX	337.37	29.64	151.95	313.77	29.54	10.28	28.41	0.25	901.23
total	96,611.62	8,393.01	42,405.33	26,562.69	45,696.16	22,394.34	223,090.17	457,469.05	**922,622.37**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	43.99	51.84	53.54	66.02	17.01	19.42	33.11	39.79
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	337.37	29.64	151.95	313.77	29.54	10.28	28.41	0.25
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	337.37	29.64	151.95	313.77	29.54	10.28	28.41	0.25

World Logistics Center
Mobile Emissions - Medium EV 2033 (Net) - Mitigated

Pounds per day

PM2.5 Exhaust	Dust	Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
11.14	50.39	49.38	110.90	8.46	110.49	39.72	969,268.30

Tons per year

PM2.5 Exhaust	Dust	Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
2.03	9.20	9.01	20.24	1.54	20.17	7.25	176,891.47

World Logistics Center
Mobile Emissions - Medium EV 2033 (Net) - Mitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	3,885.33	40.18	215.39	193,714.67	2,003.23	10,738.98
LDT1	289.72	0.12	15.89	14,444.77	6.09	792.33
LDT2	1,437.66	11.47	79.53	71,678.79	571.91	3,965.21
MDT	2,265.43	60.38	127.63	34,704.62	924.96	1,955.19
LHDT1	827.50	653.88	-	19,333.52	15,277.15	-
LHDT2	252.27	459.95	-	5,893.92	10,746.18	-
MHDT	410.18	2,101.64	-	18,405.59	94,304.71	-
HHDT	3.16	3,917.67	267.51	141.95	175,793.17	12,003.56

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	137,043.42	1,417.19	7,597.29	56,671.26	586.05	3,141.69
LDT1	10,218.95	4.31	560.53	4,225.82	1.78	231.80
LDT2	50,709.15	404.59	2,805.19	20,969.64	167.31	1,160.02
MDT	18,621.87	496.31	1,049.12	16,082.76	428.64	906.07
LHDT1	9,330.07	7,372.53	-	10,003.45	7,904.62	-
LHDT2	2,844.32	5,185.95	-	3,049.60	5,560.23	-
MHDT	3,996.43	20,476.51	-	14,409.16	73,828.20	-
HHDT	30.82	38,170.21	2,606.35	111.13	137,622.96	9,397.21

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	6,852.17	510.95	2,535.46	931.09	466.50	142.22	239.79	1.85	11,680.02
15 mph	2,740.87	204.38	1,014.18	372.44	186.60	56.89	79.93	0.62	4,655.90
20 mph	5,481.74	408.76	2,028.37	744.87	373.20	113.77	159.86	1.23	9,311.80
25 mph	27,408.68	2,043.79	10,141.83	3,724.37	1,866.01	568.86	879.21	6.78	46,639.55
30 mph	30,149.55	2,248.17	11,156.01	4,096.81	2,052.62	625.75	799.29	6.16	51,134.36
35 mph	24,667.81	1,839.41	9,127.65	3,351.94	1,679.41	511.98	359.68	2.77	41,540.65
40 mph	8,222.60	613.14	3,042.55	1,117.31	559.80	170.66	399.64	3.08	14,128.79
45 mph	6,852.17	510.95	2,535.46	931.09	466.50	142.22	319.71	2.47	11,760.57
50 mph	6,852.17	510.95	2,535.46	931.09	466.50	142.22	519.54	4.01	11,961.93
55 mph	5,481.74	408.76	2,028.37	744.87	373.20	113.77	119.89	0.92	9,271.53
60 mph	10,963.47	817.52	4,056.73	1,489.75	746.41	227.55	119.89	0.92	18,422.24
65 mph	1,370.43	102.19	507.09	186.22	93.30	28.44	-	-	2,287.68
70 mph	-	-	-	-	-	-	-	-	-
total	137,043.42	10,218.95	50,709.15	18,621.87	9,330.07	2,844.32	3,996.43	30.82	232,795.02

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	566.71	42.26	209.70	160.83	100.03	30.50	-	-	1,110.03
15 mph	566.71	42.26	209.70	160.83	100.03	30.50	-	-	1,110.03
20 mph	566.71	42.26	209.70	160.83	100.03	30.50	288.18	2.22	1,400.43
25 mph	1,133.43	84.52	419.39	321.66	200.07	60.99	504.32	3.89	2,728.26
30 mph	2,266.85	169.03	838.79	643.31	400.14	121.98	864.55	6.67	5,311.32
35 mph	5,100.41	380.32	1,887.27	1,447.45	900.31	274.46	864.55	6.67	10,861.44
40 mph	5,667.13	422.58	2,096.96	1,608.28	1,000.34	304.96	792.50	6.11	11,898.87
45 mph	4,533.70	338.07	1,677.57	1,286.62	800.28	243.97	576.37	4.45	9,461.01
50 mph	5,100.41	380.32	1,887.27	1,447.45	900.31	274.46	288.18	2.22	10,280.63
55 mph	2,833.56	211.29	1,048.48	804.14	500.17	152.48	144.09	1.11	5,695.33
60 mph	1,700.14	126.77	629.09	482.48	300.10	91.49	10,086.41	77.79	13,494.28
65 mph	566.71	42.26	209.70	160.83	100.03	30.50	-	-	1,110.03
70 mph	26,068.78	1,943.88	9,646.03	7,398.07	4,601.59	1,402.82	-	-	51,061.16
total	56,671.26	4,225.82	20,969.64	16,082.76	10,003.45	3,049.60	14,409.16	111.13	125,522.81

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	56.87	17.34	26.34	0.28	100.82
15 mph	4,940.52	368.40	1,828.11	539.49	285.51	87.04	128.39	0.99	8,178.44
25 mph	-	-	-	-	542.23	165.30	561.84	4.33	1,273.70
35 mph	21,257.24	1,585.09	7,865.66	2,133.02	-	-	-	-	32,841.02
total	26,197.77	1,953.50	9,693.76	2,672.51	827.74	252.34	690.23	5.32	42,293.17

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	56.87	17.34	26.34	0.28	100.82
10 mph	7,418.88	553.21	2,745.15	1,091.92	566.54	172.71	239.79	1.85	12,790.05
15 mph	8,248.10	615.04	3,051.98	1,072.75	572.14	174.42	208.32	1.61	13,944.37
20 mph	6,048.45	451.02	2,238.06	905.70	473.24	144.27	448.04	3.46	10,712.23
25 mph	28,542.11	2,128.31	10,561.22	4,046.03	2,608.32	795.16	1,945.37	15.00	50,641.52
30 mph	32,416.40	2,417.20	11,994.80	4,740.12	2,452.75	747.73	1,663.84	12.83	56,445.68
35 mph	51,025.47	3,804.83	18,880.57	6,932.41	2,579.72	786.44	1,224.23	9.44	85,243.11
40 mph	13,889.73	1,035.72	5,139.51	2,725.59	1,560.15	475.62	1,192.15	9.19	26,027.66
45 mph	11,385.87	849.01	4,213.03	2,217.71	1,266.78	386.18	896.08	6.91	21,221.58
50 mph	11,952.58	891.27	4,422.72	2,378.54	1,366.81	416.68	807.72	6.23	22,242.56
55 mph	8,315.30	620.05	3,076.85	1,549.01	873.38	266.25	263.98	2.04	14,966.86
60 mph	12,663.61	944.29	4,685.82	1,972.23	1,046.51	319.03	10,206.31	78.71	31,916.52
65 mph	1,937.15	144.45	716.79	347.05	193.34	58.94	-	-	3,397.70
70 mph	26,068.78	1,943.88	9,646.03	7,398.07	4,601.59	1,402.82	-	-	51,061.16
total	219,912.44	16,398.26	81,372.55	37,377.13	20,161.26	6,146.26	19,095.82	147.27	400,611.00

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	70.86	0.22	20.23	24.82	368.63	259.30	1,228.59	2,290.21	4,262.85
15 mph	28.34	0.09	8.09	9.93	147.45	103.72	409.53	763.40	1,470.55
20 mph	56.69	0.17	16.18	19.85	294.90	207.44	819.06	1,526.81	2,941.10
25 mph	283.44	0.86	80.92	99.26	1,474.51	1,037.19	4,504.83	8,397.45	15,878.46
30 mph	311.78	0.95	89.01	109.19	1,621.96	1,140.91	4,095.30	7,634.04	15,003.14
35 mph	255.09	0.78	72.83	89.34	1,327.05	933.47	1,842.89	3,435.32	7,956.76
40 mph	85.03	0.26	24.28	29.78	442.35	311.16	2,047.65	3,817.02	6,757.53
45 mph	70.86	0.22	20.23	24.82	368.63	259.30	1,638.12	3,053.62	5,435.78
50 mph	70.86	0.22	20.23	24.82	368.63	259.30	2,661.95	4,962.13	8,368.12
55 mph	56.69	0.17	16.18	19.85	294.90	207.44	614.30	1,145.11	2,354.64
60 mph	113.37	0.34	32.37	39.71	589.80	414.88	614.30	1,145.11	2,949.87
65 mph	14.17	0.04	4.05	4.96	73.73	51.86	-	-	148.81
70 mph	-	-	-	-	-	-	-	-	-
total	1,417.19	4.31	404.59	496.31	7,372.53	5,185.95	20,476.51	38,170.21	73,527.61

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	5.86	0.02	1.67	4.29	79.05	55.60	-	-	146.49
15 mph	5.86	0.02	1.67	4.29	79.05	55.60	-	-	146.49
20 mph	5.86	0.02	1.67	4.29	79.05	55.60	1,476.56	2,752.46	4,375.51
25 mph	11.72	0.04	3.35	8.57	158.09	111.20	2,583.99	4,816.80	7,693.76
30 mph	23.44	0.07	6.69	17.15	316.18	222.41	4,429.69	8,257.38	13,273.01
35 mph	52.74	0.16	15.06	38.58	711.42	500.42	4,429.69	8,257.38	14,005.45
40 mph	58.60	0.18	16.73	42.86	790.46	556.02	4,060.55	7,569.26	13,094.68
45 mph	46.88	0.14	13.38	34.29	632.37	444.82	2,953.13	5,504.92	9,629.94
50 mph	52.74	0.16	15.06	38.58	711.42	500.42	1,476.56	2,752.46	5,547.40
55 mph	29.30	0.09	8.37	21.43	395.23	278.01	738.28	1,376.23	2,846.94
60 mph	17.58	0.05	5.02	12.86	237.14	166.81	51,679.74	96,336.07	148,455.27
65 mph	5.86	0.02	1.67	4.29	79.05	55.60	-	-	146.49
70 mph	269.58	0.82	76.96	197.17	3,636.13	2,557.71	-	-	6,738.37
total	586.05	1.78	167.31	428.64	7,904.62	5,560.23	73,828.20	137,622.96	226,099.79

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	44.93	31.61	134.95	251.56	463.05
15 mph	51.09	0.16	14.59	14.38	225.60	158.69	657.84	1,226.28	2,348.62
25 mph	-	-	-	-	428.47	301.39	2,878.68	5,366.13	8,974.67
35 mph	219.82	0.67	62.76	56.85	-	-	-	-	340.10
total	270.92	0.82	77.34	71.23	654.07	460.08	3,536.51	6,592.41	11,663.39

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	44.93	31.61	134.95	251.56	463.05
10 mph	76.72	0.23	21.90	29.10	447.67	314.90	1,228.59	2,290.21	4,409.33
15 mph	85.29	0.26	24.35	28.59	452.10	318.01	1,067.37	1,989.68	3,965.66
20 mph	62.55	0.19	17.86	24.14	373.95	263.04	2,295.62	4,279.27	7,316.61
25 mph	295.16	0.90	84.27	107.84	2,061.07	1,449.78	9,967.50	18,580.38	32,546.89
30 mph	335.22	1.02	95.70	126.33	1,938.14	1,363.32	8,524.99	15,891.42	28,276.15
35 mph	527.66	1.61	150.64	184.76	2,038.47	1,433.89	6,272.58	11,692.70	22,302.31
40 mph	143.64	0.44	41.01	72.64	1,232.81	867.18	6,108.20	11,386.28	19,852.20
45 mph	117.74	0.36	33.61	59.11	1,001.00	704.12	4,591.25	8,558.54	15,065.72
50 mph	123.60	0.38	35.29	63.39	1,080.04	759.72	4,138.51	7,714.59	13,915.52
55 mph	85.99	0.26	24.55	41.28	690.13	485.45	1,352.58	2,521.34	5,201.58
60 mph	130.96	0.40	37.39	52.56	826.94	581.68	52,294.03	97,481.18	151,405.14
65 mph	20.03	0.06	5.72	9.25	152.77	107.46	-	-	295.30
70 mph	269.58	0.82	76.96	197.17	3,636.13	2,557.71	-	-	6,738.37
total	2,274.15	6.92	649.25	996.18	15,931.22	11,206.26	97,841.22	182,385.58	311,290.79

Surface Street VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	379.86	28.03	140.26	52.46	-	-	-	156.38	756.99
15 mph	151.95	11.21	56.10	20.98	-	-	-	52.13	292.37
20 mph	303.89	22.42	112.21	41.96	-	-	-	104.25	584.74
25 mph	1,519.46	112.11	561.04	209.82	-	-	-	573.40	2,975.82
30 mph	1,671.40	123.32	617.14	230.81	-	-	-	521.27	3,163.94
35 mph	1,367.51	100.90	504.93	188.84	-	-	-	234.57	2,396.75
40 mph	455.84	33.63	168.31	62.95	-	-	-	260.64	981.36
45 mph	379.86	28.03	140.26	52.46	-	-	-	208.51	809.11
50 mph	379.86	28.03	140.26	52.46	-	-	-	338.83	939.43
55 mph	303.89	22.42	112.21	41.96	-	-	-	78.19	558.68
60 mph	607.78	44.84	224.41	83.93	-	-	-	78.19	1,039.16
65 mph	75.97	5.61	28.05	10.49	-	-	-	-	120.12
70 mph	-	-	-	-	-	-	-	-	-
total	7,597.29	560.53	2,805.19	1,049.12	-	-	-	2,606.35	14,618.48

Freeway VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	31.42	2.32	11.60	9.06	-	-	-	-	54.40
15 mph	31.42	2.32	11.60	9.06	-	-	-	-	54.40
20 mph	31.42	2.32	11.60	9.06	-	-	-	187.94	242.34
25 mph	62.83	4.64	23.20	18.12	-	-	-	328.90	437.69
30 mph	125.67	9.27	46.40	36.24	-	-	-	563.83	781.42
35 mph	282.75	20.86	104.40	81.55	-	-	-	563.83	1,053.39
40 mph	314.17	23.18	116.00	90.61	-	-	-	516.85	1,060.80
45 mph	251.34	18.54	92.80	72.49	-	-	-	375.89	811.05
50 mph	282.75	20.86	104.40	81.55	-	-	-	187.94	677.51
55 mph	157.08	11.59	58.00	45.30	-	-	-	93.97	365.95
60 mph	94.25	6.95	34.80	27.18	-	-	-	6,578.05	6,741.24
65 mph	31.42	2.32	11.60	9.06	-	-	-	-	54.40
70 mph	1,445.18	106.63	533.61	416.79	-	-	-	-	2,502.21
total	3,141.69	231.80	1,160.02	906.07	-	-	-	9,397.21	14,836.79

Internal VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	17.18	17.18
15 mph	273.89	20.21	101.13	30.39	-	-	-	83.73	509.35
25 mph	-	-	-	-	-	-	-	366.41	366.41
35 mph	1,178.44	86.95	435.12	-	-	-	-	-	1,700.51
total	1,452.33	107.15	536.25	30.39	-	-	-	450.14	2,576.27

Total VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	17.18	17.18
10 mph	411.28	30.34	151.86	61.52	-	-	-	156.38	811.38
15 mph	457.25	33.74	168.83	60.44	-	-	-	135.86	856.12
20 mph	335.31	24.74	123.81	51.03	-	-	-	292.20	827.08
25 mph	1,582.29	116.74	584.24	227.95	-	-	-	1,268.71	3,779.93
30 mph	1,797.07	132.59	663.54	267.05	-	-	-	1,085.10	3,945.35
35 mph	2,828.70	208.70	1,044.46	270.39	-	-	-	798.40	5,150.66
40 mph	770.01	56.81	284.31	153.55	-	-	-	777.48	2,042.17
45 mph	631.20	46.57	233.06	124.94	-	-	-	584.40	1,620.17
50 mph	662.62	48.89	244.66	134.00	-	-	-	526.77	1,616.94
55 mph	460.98	34.01	170.21	87.27	-	-	-	172.16	924.63
60 mph	702.03	51.80	259.22	111.11	-	-	-	6,656.24	7,780.40
65 mph	107.39	7.92	39.65	19.55	-	-	-	-	174.52
70 mph	1,445.18	106.63	533.61	416.79	-	-	-	-	2,502.21
total	7,411.91	546.86	2,736.74	938.36	-	-	-	3,736.66	32,031.54

World Logistics Center
Mobile Emissions - Medium EV 2033 (Net) - Mitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	24830	330	0.21	5214.2	4891.0	50.6	271.1
	LDT1	15	1832	330	0.21	384.7	364.7	0.2	20.0
	LDT2	15	9168	330	0.21	1925.3	1809.8	14.4	100.1
	MDT	15	2762	330	0.21	580.1	535.4	14.3	30.2
	LHDT1	15	2427	330	0.21	509.6	284.7	225.0	0.0
	LHDT2	15	1167	330	0.21	245.0	86.8	158.2	0.0
	MHDT	15	3715	330	0.21	780.2	127.4	652.8	0.0
	HHDT	15	6195	330	0.21	1301.0	1.0	1216.9	83.1
Travel at Light Logistics	LDA	15	178	175	0.11	19.6	18.4	0.2	1.0
	LDT1	15	13	175	0.11	1.4	1.4	0.0	0.1
	LDT2	15	66	175	0.11	7.2	6.8	0.1	0.4
	MDT	15	17	175	0.11	1.8	1.7	0.0	0.1
	LHDT1	15	10	175	0.11	1.1	0.6	0.5	0.0
	LHDT2	15	5	175	0.11	0.5	0.2	0.3	0.0
	MHDT	15	12	175	0.11	1.3	0.2	1.1	0.0
	HHDT	15	20	175	0.11	2.2	0.0	2.1	0.1
Travel at Utility	LDA	15	202	100	0.06	12.1	11.4	0.1	0.6
	LDT1	15	15	100	0.06	0.9	0.8	0.0	0.0
	LDT2	15	75	100	0.06	4.5	4.2	0.0	0.2
	MDT	15	43	100	0.06	2.6	2.4	0.1	0.1
	LHDT1	15	7	100	0.06	0.4	0.2	0.2	0.0
	LHDT2	15	3	100	0.06	0.2	0.1	0.1	0.0
	MHDT	15	13	100	0.06	0.8	0.1	0.6	0.0
	HHDT	15	21	100	0.06	1.3	0.0	1.2	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	131	50	0.03	3.9	0.6	3.3	0.0
	HHDT	15	218	50	0.03	6.6	0.0	6.1	0.4
Travel at Convenience Store	LDA	15	616	50	0.03	18.5	17.3	0.2	1.0
	LDT1	15	45	50	0.03	1.4	1.3	0.0	0.1
	LDT2	15	228	50	0.03	6.8	6.4	0.1	0.4
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	87	50	0.03	2.6	2.5	0.0	0.1
	LDT1	15	6	50	0.03	0.2	0.2	0.0	0.0
	LDT2	15	32	50	0.03	1.0	0.9	0.0	0.1
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	4940.5	368.4	1828.1	539.5	285.5	87.0	128.4	1.0
Diesel	51.1	0.2	14.6	14.4	225.6	158.7	657.8	1226.3
Electric/Natural Gas (HHDT Only)	273.9	20.2	101.1	30.4	0.0	0.0	0.0	83.7

World Logistics Center
Mobile Emissions - Medium EV 2033 (Net) - Mitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	1213	678	536	0	3389.1	2678.1	0.0
	LHDT2	5	583	207	377	0	1033.2	1883.8	0.0
	MHDT	5	1858	303	1554	0	1516.8	7771.6	0.0
	HHDT	5	3098	2	2897	198	11.7	14487.1	989.2
Travel at Light Logistics	LHDT1	5	5	3	2	0	13.6	10.7	0.0
	LHDT2	5	2	1	2	0	4.1	7.6	0.0
	MHDT	5	6	1	5	0	4.9	25.1	0.0
	HHDT	5	10	0	9	1	0.0	46.9	3.2
Travel at Utility	LHDT1	5	3	2	1	0	9.2	7.2	0.0
	LHDT2	5	2	1	1	0	2.8	5.1	0.0
	MHDT	5	6	1	5	0	5.1	26.2	0.0
	HHDT	5	10	0	10	1	0.0	48.8	3.3
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	65	11	55	0	53.5	274.0	0.0
	HHDT	5	109	0	102	7	0.4	510.8	34.9
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	56.9	17.3	26.3	0.3
Diesel	44.9	31.6	134.9	251.6
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	17.2

World Logistics Center
Mobile Emissions - Medium EV 2033 (Net) - Mitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0353	0.0339	0.0340	0.0354
10 mph	0.0033	0.0040	0.0035	0.0036	0.0045	0.0043	0.0043	0.0045
15 mph	0.0022	0.0027	0.0023	0.0024	0.0030	0.0028	0.0029	0.0030
20 mph	0.0015	0.0019	0.0016	0.0017	0.0021	0.0020	0.0020	0.0021
25 mph	0.0011	0.0014	0.0012	0.0012	0.0015	0.0015	0.0015	0.0015
30 mph	0.0009	0.0011	0.0009	0.0010	0.0012	0.0011	0.0012	0.0012
35 mph	0.0007	0.0009	0.0008	0.0008	0.0010	0.0009	0.0009	0.0010
40 mph	0.0006	0.0008	0.0007	0.0007	0.0009	0.0008	0.0008	0.0009
45 mph	0.0006	0.0007	0.0006	0.0006	0.0008	0.0007	0.0007	0.0008
50 mph	0.0006	0.0007	0.0006	0.0006	0.0008	0.0007	0.0007	0.0008
55 mph	0.0006	0.0007	0.0006	0.0006	0.0008	0.0007	0.0007	0.0008
60 mph	0.0006	0.0007	0.0006	0.0007	0.0008	0.0008	0.0008	0.0008
65 mph	0.0007	0.0008	0.0007	0.0007	0.0009	0.0009		
70 mph	0.0008	0.0009	0.0008	0.0008	0.0010	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7599	0.7639	0.0070	0.0096
10 mph	0.0041	0.0755	0.0085	0.0038	0.0178	0.0283	0.0041	0.0102
15 mph	0.0034	0.0559	0.0073	0.0032	0.0142	0.0234	0.0032	0.0079
20 mph	0.0028	0.0431	0.0062	0.0027	0.0119	0.0198	0.0027	0.0058
25 mph	0.0023	0.0346	0.0053	0.0023	0.0100	0.0167	0.0026	0.0059
30 mph	0.0020	0.0289	0.0047	0.0020	0.0088	0.0148	0.0029	0.0065
35 mph	0.0018	0.0252	0.0043	0.0018	0.0080	0.0134	0.0035	0.0079
40 mph	0.0016	0.0231	0.0039	0.0017	0.0074	0.0123	0.0044	0.0101
45 mph	0.0015	0.0220	0.0036	0.0016	0.0070	0.0115	0.0057	0.0132
50 mph	0.0015	0.0217	0.0034	0.0015	0.0067	0.0109	0.0074	0.0169
55 mph	0.0014	0.0226	0.0032	0.0014	0.0064	0.0104	0.0095	0.0222
60 mph	0.0014	0.0244	0.0031	0.0014	0.0064	0.0103	0.0119	0.0274
65 mph	0.0015	0.0275	0.0032	0.0014	0.0069	0.0107		
70 mph	0.0015	0.0301	0.0032	0.0016	0.0098	0.0129		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0255
10 mph								0.0055
15 mph								0.0046
20 mph								0.0040
25 mph								0.0036
30 mph								0.0034
35 mph								0.0031
40 mph								0.0030
45 mph								0.0029
50 mph								0.0029
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0497	0.0045	0.0196	0.0074	0.0046	0.0013	0.0023	0.0000	0.0894
15 mph	0.0132	0.0012	0.0052	0.0020	0.0012	0.0004	0.0005	0.0000	0.0236
20 mph	0.0185	0.0017	0.0073	0.0027	0.0017	0.0005	0.0007	0.0000	0.0331
25 mph	0.0683	0.0062	0.0269	0.0102	0.0063	0.0018	0.0029	0.0000	0.1226
30 mph	0.0585	0.0053	0.0231	0.0087	0.0054	0.0016	0.0020	0.0000	0.1047
35 mph	0.0394	0.0036	0.0155	0.0058	0.0036	0.0011	0.0007	0.0000	0.0697
40 mph	0.0114	0.0010	0.0045	0.0017	0.0011	0.0003	0.0007	0.0000	0.0207
45 mph	0.0087	0.0008	0.0034	0.0013	0.0008	0.0002	0.0005	0.0000	0.0157
50 mph	0.0084	0.0008	0.0033	0.0012	0.0008	0.0002	0.0008	0.0000	0.0155
55 mph	0.0068	0.0006	0.0027	0.0010	0.0006	0.0002	0.0002	0.0000	0.0122
60 mph	0.0147	0.0013	0.0058	0.0022	0.0014	0.0004	0.0002	0.0000	0.0259
65 mph	0.0021	0.0002	0.0008	0.0003	0.0002	0.0001	-	-	0.0036
70 mph	-	-	-	-	-	-	-	-	-
total	0.2995	0.0272	0.1180	0.0445	0.0277	0.0081	0.0116	0.0001	0.5367

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0041	0.0004	0.0016	0.0013	0.0010	0.0003	-	-	0.0086
15 mph	0.0027	0.0002	0.0011	0.0008	0.0007	0.0002	-	-	0.0057
20 mph	0.0019	0.0002	0.0008	0.0006	0.0005	0.0001	0.0013	0.0000	0.0053
25 mph	0.0028	0.0003	0.0011	0.0009	0.0007	0.0002	0.0016	0.0000	0.0076
30 mph	0.0044	0.0004	0.0017	0.0014	0.0011	0.0003	0.0022	0.0000	0.0115
35 mph	0.0081	0.0007	0.0032	0.0025	0.0020	0.0006	0.0018	0.0000	0.0189
40 mph	0.0078	0.0007	0.0031	0.0024	0.0019	0.0005	0.0014	0.0000	0.0180
45 mph	0.0057	0.0005	0.0023	0.0018	0.0014	0.0004	0.0010	0.0000	0.0130
50 mph	0.0062	0.0006	0.0024	0.0019	0.0015	0.0004	0.0005	0.0000	0.0136
55 mph	0.0035	0.0003	0.0014	0.0011	0.0008	0.0002	0.0002	0.0000	0.0077
60 mph	0.0023	0.0002	0.0009	0.0007	0.0005	0.0002	0.0177	0.0001	0.0226
65 mph	0.0009	0.0001	0.0003	0.0003	0.0002	0.0001	-	-	0.0018
70 mph	0.0434	0.0039	0.0166	0.0132	0.0103	0.0030	-	-	0.0904
total	0.0940	0.0085	0.0366	0.0289	0.0225	0.0065	0.0277	0.0002	0.2248

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0044	0.0013	0.0020	0.0000	0.0077
15 mph	0.0238	0.0022	0.0094	0.0028	0.0019	0.0005	0.0008	0.0000	0.0414
25 mph	-	-	-	-	0.0018	0.0005	0.0018	0.0000	0.0042
35 mph	0.0339	0.0031	0.0134	0.0037	-	-	-	-	0.0541
total	0.0577	0.0052	0.0227	0.0066	0.0081	0.0024	0.0046	0.0000	0.1074

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0044	0.0013	0.0020	0.0000	0.0077
10 mph	0.0538	0.0049	0.0212	0.0086	0.0056	0.0016	0.0023	0.0000	0.0980
15 mph	0.0397	0.0036	0.0157	0.0056	0.0037	0.0011	0.0013	0.0000	0.0707
20 mph	0.0204	0.0019	0.0081	0.0033	0.0022	0.0006	0.0020	0.0000	0.0384
25 mph	0.0711	0.0065	0.0281	0.0110	0.0088	0.0026	0.0063	0.0001	0.1345
30 mph	0.0629	0.0057	0.0248	0.0101	0.0065	0.0019	0.0042	0.0000	0.1161
35 mph	0.0814	0.0074	0.0320	0.0121	0.0056	0.0016	0.0026	0.0000	0.1427
40 mph	0.0192	0.0018	0.0076	0.0041	0.0029	0.0009	0.0022	0.0000	0.0386
45 mph	0.0144	0.0013	0.0057	0.0031	0.0022	0.0006	0.0015	0.0000	0.0288
50 mph	0.0146	0.0013	0.0057	0.0032	0.0023	0.0007	0.0013	0.0000	0.0291
55 mph	0.0104	0.0009	0.0041	0.0021	0.0015	0.0004	0.0004	0.0000	0.0198
60 mph	0.0169	0.0015	0.0066	0.0029	0.0019	0.0006	0.0179	0.0001	0.0485
65 mph	0.0029	0.0003	0.0011	0.0006	0.0004	0.0001	-	-	0.0054
70 mph	0.0434	0.0039	0.0166	0.0132	0.0103	0.0030	-	-	0.0904
total	0.4511	0.0409	0.1773	0.0799	0.0583	0.0170	0.0439	0.0004	0.8689

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0004	0.0002	0.0144	0.0162	0.0110	0.0517	0.0946
15 mph	0.0002	0.0000	0.0001	0.0001	0.0046	0.0054	0.0029	0.0133	0.0266
20 mph	0.0003	0.0000	0.0002	0.0001	0.0077	0.0090	0.0049	0.0195	0.0419
25 mph	0.0015	0.0001	0.0010	0.0005	0.0325	0.0383	0.0260	0.1101	0.2098
30 mph	0.0014	0.0001	0.0009	0.0005	0.0316	0.0371	0.0258	0.1092	0.2065
35 mph	0.0010	0.0000	0.0007	0.0004	0.0236	0.0275	0.0140	0.0595	0.1267
40 mph	0.0003	0.0000	0.0002	0.0001	0.0073	0.0084	0.0199	0.0850	0.1212
45 mph	0.0002	0.0000	0.0002	0.0001	0.0057	0.0066	0.0207	0.0888	0.1222
50 mph	0.0002	0.0000	0.0002	0.0001	0.0054	0.0062	0.0436	0.1852	0.2409
55 mph	0.0002	0.0000	0.0001	0.0001	0.0042	0.0047	0.0128	0.0560	0.0781
60 mph	0.0004	0.0000	0.0002	0.0001	0.0083	0.0094	0.0161	0.0691	0.1037
65 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0012	-	-	0.0024
70 mph	-	-	-	-	-	-	-	-	-
total	0.0064	0.0003	0.0042	0.0022	0.1464	0.1700	0.1978	0.8473	1.3747

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0000	0.0000	0.0031	0.0035	-	-	0.0067
15 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0029	-	-	0.0054
20 mph	0.0000	0.0000	0.0000	0.0000	0.0021	0.0024	0.0089	0.0351	0.0486
25 mph	0.0001	0.0000	0.0000	0.0000	0.0035	0.0041	0.0149	0.0631	0.0858
30 mph	0.0001	0.0000	0.0001	0.0001	0.0062	0.0072	0.0279	0.1181	0.1596
35 mph	0.0002	0.0000	0.0001	0.0002	0.0126	0.0147	0.0337	0.1430	0.2046
40 mph	0.0002	0.0000	0.0001	0.0002	0.0130	0.0151	0.0395	0.1685	0.2366
45 mph	0.0002	0.0000	0.0001	0.0001	0.0097	0.0113	0.0373	0.1601	0.2188
50 mph	0.0002	0.0000	0.0001	0.0001	0.0105	0.0120	0.0242	0.1027	0.1498
55 mph	0.0001	0.0000	0.0001	0.0001	0.0056	0.0064	0.0154	0.0673	0.0949
60 mph	0.0001	0.0000	0.0000	0.0000	0.0034	0.0038	1.3544	5.8132	7.1749
65 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0013	-	-	0.0026
70 mph	0.0009	0.0001	0.0005	0.0007	0.0784	0.0730	-	-	0.1536
total	0.0021	0.0001	0.0013	0.0016	0.1516	0.1577	1.5562	6.6711	8.5418

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0753	0.0532	0.0021	0.0053	0.1360
15 mph	0.0004	0.0000	0.0002	0.0001	0.0070	0.0082	0.0047	0.0214	0.0421
25 mph	-	-	-	-	0.0094	0.0111	0.0166	0.0703	0.1075
35 mph	0.0009	0.0000	0.0006	0.0002	-	-	-	-	0.0017
total	0.0012	0.0001	0.0008	0.0003	0.0918	0.0726	0.0233	0.0971	0.2873

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0753	0.0532	0.0021	0.0053	0.1360
10 mph	0.0007	0.0000	0.0004	0.0002	0.0175	0.0196	0.0110	0.0517	0.1013
15 mph	0.0006	0.0000	0.0004	0.0002	0.0141	0.0164	0.0076	0.0348	0.0742
20 mph	0.0004	0.0000	0.0002	0.0001	0.0098	0.0115	0.0139	0.0546	0.0906
25 mph	0.0015	0.0001	0.0010	0.0005	0.0454	0.0535	0.0574	0.2436	0.4031
30 mph	0.0015	0.0001	0.0010	0.0006	0.0377	0.0443	0.0536	0.2272	0.3660
35 mph	0.0021	0.0001	0.0014	0.0007	0.0362	0.0422	0.0478	0.2025	0.3330
40 mph	0.0005	0.0000	0.0004	0.0003	0.0202	0.0235	0.0594	0.2535	0.3578
45 mph	0.0004	0.0000	0.0003	0.0002	0.0154	0.0178	0.0581	0.2489	0.3410
50 mph	0.0004	0.0000	0.0003	0.0002	0.0159	0.0182	0.0678	0.2879	0.3907
55 mph	0.0003	0.0000	0.0002	0.0001	0.0097	0.0111	0.0283	0.1232	0.1729
60 mph	0.0004	0.0000	0.0003	0.0002	0.0117	0.0132	1.3705	5.8823	7.2785
65 mph	0.0001	0.0000	0.0000	0.0000	0.0023	0.0025	-	-	0.0050
70 mph	0.0009	0.0001	0.0005	0.0007	0.0784	0.0730	-	-	0.1536
total	0.0098	0.0005	0.0064	0.0041	0.3898	0.4003	1.7774	7.6156	10.2037

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0019	0.0019
15 mph								0.0005	0.0005
20 mph								0.0009	0.0009
25 mph								0.0046	0.0046
30 mph								0.0039	0.0039
35 mph								0.0016	0.0016
40 mph								0.0017	0.0017
45 mph								0.0013	0.0013
50 mph								0.0022	0.0022
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0187	0.0187

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0017	0.0017
25 mph								0.0026	0.0026
30 mph								0.0042	0.0042
35 mph								0.0039	0.0039
40 mph								0.0034	0.0034
45 mph								0.0024	0.0024
50 mph								0.0012	0.0012
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0124	0.0124

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
15 mph								0.0009	0.0009
25 mph								0.0029	0.0029
35 mph								-	-
total	-	-	-	-	-	-	-	0.0047	0.0047

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0010	0.0010
10 mph								0.0019	0.0019
15 mph								0.0014	0.0014
20 mph								0.0026	0.0026
25 mph								0.0101	0.0101
30 mph								0.0080	0.0080
35 mph								0.0055	0.0055
40 mph								0.0052	0.0052
45 mph								0.0038	0.0038
50 mph								0.0034	0.0034
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0428	0.0428

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0797	0.0545	0.0041	0.0063	0.1446
10 mph	0.0545	0.0049	0.0216	0.0089	0.0231	0.0213	0.0133	0.0536	0.2012
15 mph	0.0403	0.0036	0.0161	0.0058	0.0179	0.0175	0.0089	0.0362	0.1463
20 mph	0.0208	0.0019	0.0083	0.0035	0.0120	0.0121	0.0158	0.0572	0.1316
25 mph	0.0726	0.0065	0.0291	0.0116	0.0543	0.0561	0.0638	0.2538	0.5477
30 mph	0.0644	0.0058	0.0258	0.0106	0.0442	0.0462	0.0578	0.2353	0.4902
35 mph	0.0835	0.0075	0.0335	0.0128	0.0418	0.0439	0.0503	0.2081	0.4813
40 mph	0.0197	0.0018	0.0079	0.0044	0.0232	0.0244	0.0616	0.2586	0.4016
45 mph	0.0148	0.0013	0.0059	0.0033	0.0176	0.0185	0.0595	0.2526	0.3736
50 mph	0.0150	0.0013	0.0060	0.0034	0.0182	0.0189	0.0690	0.2913	0.4232
55 mph	0.0106	0.0010	0.0042	0.0022	0.0112	0.0115	0.0287	0.1232	0.1927
60 mph	0.0173	0.0016	0.0069	0.0030	0.0136	0.0137	1.3884	5.8824	7.3270
65 mph	0.0030	0.0003	0.0012	0.0006	0.0027	0.0027	-	-	0.0104
70 mph	0.0443	0.0039	0.0172	0.0139	0.0887	0.0760	-	-	0.2440
STREX	0.0090	0.0008	0.0034	0.0056	0.0006	0.0002	0.0003	0.0000	0.0199
total	0.4699	0.0422	0.1871	0.0897	0.4487	0.4174	1.8216	7.6587	**11.1353**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0011	0.0012	0.0011	0.0011	0.0003	0.0003	0.0004	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0090	0.0008	0.0034	0.0056	0.0006	0.0002	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0090	0.0008	0.0034	0.0056	0.0006	0.0002	0.0003	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5.3637	0.4000	1.9847	0.7288	0.7151	0.2522	0.5187	0.0021
Diesel	0.0555	0.0002	0.0158	0.0194	0.5813	0.4714	2.6576	2.9374
Electric/NG	0.2973	0.0219	0.1098	0.0411	-	-	-	0.2038
Total	5.7165	0.4221	2.1103	0.7893	1.2964	0.7236	3.1763	3.1434

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.2180	0.1654	0.8207	0.6295	0.7667	0.2705	1.8701	0.0077
Diesel	0.0229	0.0001	0.0065	0.0168	0.6233	0.5054	9.5819	10.5909
Electric/NG	0.1230	0.0091	0.0454	0.0355	-	-	-	0.7348
Total	2.3639	0.1745	0.8727	0.6817	1.3900	0.7758	11.4520	11.3334

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.0253	0.0765	0.3794	0.1046	0.0634	0.0224	0.0896	0.0004
Diesel	0.0106	0.0000	0.0030	0.0028	0.0516	0.0418	0.4590	0.5073
Electric/NG	0.0568	0.0042	0.0210	0.0012	-	-	-	0.0352
Total	1.0928	0.0807	0.4034	0.1086	0.1150	0.0642	0.5486	0.5429

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	8.6071	0.6418	3.1848	1.4629	1.5453	0.5451	2.4784	0.0102	18.4756
Diesel	0.0890	0.0003	0.0254	0.0390	1.2562	1.0185	12.6985	14.0357	29.1625
Electric/NG	0.4772	0.0352	0.1762	0.0777	-	-	-	0.9737	1.7400
Total	9.1733	0.6773	3.3864	1.5796	2.8015	1.5636	15.1768	15.0196	**49.3781**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	29.0489
Internal	21.3366
Total	**50.3855**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0614	0.0420	0.0031	0.0049	0.1114
10 mph	0.0349	0.0031	0.0138	0.0057	0.0178	0.0164	0.0103	0.0413	0.1432
15 mph	0.0258	0.0023	0.0103	0.0037	0.0138	0.0135	0.0068	0.0279	0.1041
20 mph	0.0133	0.0012	0.0053	0.0022	0.0092	0.0093	0.0122	0.0441	0.0969
25 mph	0.0465	0.0042	0.0186	0.0074	0.0418	0.0432	0.0491	0.1954	0.4061
30 mph	0.0412	0.0037	0.0165	0.0068	0.0340	0.0356	0.0445	0.1812	0.3636
35 mph	0.0534	0.0048	0.0214	0.0082	0.0322	0.0338	0.0387	0.1602	0.3528
40 mph	0.0126	0.0011	0.0051	0.0028	0.0178	0.0188	0.0474	0.1992	0.3048
45 mph	0.0095	0.0009	0.0038	0.0021	0.0136	0.0142	0.0458	0.1945	0.2844
50 mph	0.0096	0.0009	0.0038	0.0022	0.0140	0.0145	0.0532	0.2243	0.3225
55 mph	0.0068	0.0006	0.0027	0.0014	0.0086	0.0089	0.0221	0.0949	0.1461
60 mph	0.0111	0.0010	0.0044	0.0019	0.0105	0.0106	1.0690	4.5295	5.6381
65 mph	0.0019	0.0002	0.0008	0.0004	0.0021	0.0020	-	-	0.0074
70 mph	0.0283	0.0025	0.0110	0.0089	0.0683	0.0585	-	-	0.1775
total	0.2950	0.0265	0.1175	0.0538	0.3451	0.3213	1.4024	5.8972	8.4588

World Logistics Center
Mobile Emissions - Medium EV 2033 (Net) - Mitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0048	0.0063	0.0058	0.0063	0.0078	0.0087	0.0158	0.2043
15 mph	0.0042	0.0055	0.0051	0.0055	0.0068	0.0076	0.0139	0.1803
20 mph	0.0038	0.0049	0.0045	0.0050	0.0062	0.0069	0.0125	0.1621
25 mph	0.0034	0.0045	0.0041	0.0045	0.0057	0.0063	0.0114	0.1481
30 mph	0.0032	0.0042	0.0038	0.0042	0.0053	0.0059	0.0105	0.1376
35 mph	0.0030	0.0039	0.0036	0.0040	0.0050	0.0055	0.0099	0.1297
40 mph	0.0029	0.0037	0.0034	0.0038	0.0048	0.0053	0.0094	0.1240
45 mph	0.0028	0.0036	0.0033	0.0037	0.0047	0.0051	0.0091	0.1204
50 mph	0.0028	0.0036	0.0033	0.0036	0.0047	0.0051	0.0090	0.1191
55 mph	0.0028	0.0037	0.0033	0.0037	0.0047	0.0051	0.0091	0.1202
60 mph	0.0029	0.0038	0.0035	0.0039	0.0049	0.0053	0.0094	0.1241
65 mph	0.0030	0.0041	0.0037	0.0041	0.0051	0.0056	0.0099	0.1304
70 mph	0.0032	0.0044	0.0038	0.0043	0.0056	0.0058	0.0097	0.1366

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0544	0.1128	0.0728	0.0906	0.1354	0.1516	0.2626	0.3789
15 mph	0.0448	0.0938	0.0604	0.0768	0.0882	0.1006	0.2065	0.2945
20 mph	0.0367	0.0770	0.0496	0.0638	0.0753	0.0859	0.1764	0.2535
25 mph	0.0308	0.0643	0.0416	0.0540	0.0667	0.0765	0.1539	0.2116
30 mph	0.0267	0.0553	0.0360	0.0467	0.0606	0.0691	0.1352	0.1859
35 mph	0.0241	0.0495	0.0325	0.0424	0.0607	0.0692	0.1207	0.1663
40 mph	0.0226	0.0462	0.0303	0.0397	0.0591	0.0667	0.1106	0.1528
45 mph	0.0218	0.0445	0.0292	0.0382	0.0577	0.0642	0.1049	0.1453
50 mph	0.0219	0.0445	0.0292	0.0384	0.0605	0.0666	0.1035	0.1428
55 mph	0.0229	0.0466	0.0306	0.0405	0.0632	0.0688	0.1065	0.1486
60 mph	0.0248	0.0505	0.0331	0.0439	0.0638	0.0691	0.1138	0.1577
65 mph	0.0279	0.0563	0.0372	0.0493	0.0647	0.0694	0.1255	0.1709
70 mph	0.0303	0.0587	0.0399	0.0536	0.0657	0.0705	0.1267	0.1737

*US EPA Emission Factors for Greenhouse Gas Inventories. (Idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.8411
15 mph								0.7057
20 mph								0.6162
25 mph								0.5681
30 mph								0.5374
35 mph								0.5131
40 mph								0.4932
45 mph								0.4764
50 mph								0.4620
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0720	0.0071	0.0323	0.0130	0.0080	0.0027	0.0084	0.0008	0.1443
15 mph	0.0252	0.0025	0.0113	0.0045	0.0028	0.0010	0.0025	0.0002	0.0501
20 mph	0.0454	0.0044	0.0203	0.0082	0.0051	0.0017	0.0044	0.0004	0.0900
25 mph	0.2073	0.0202	0.0922	0.0371	0.0233	0.0079	0.0221	0.0022	0.4123
30 mph	0.2121	0.0206	0.0940	0.0379	0.0239	0.0081	0.0186	0.0019	0.4170
35 mph	0.1641	0.0159	0.0724	0.0293	0.0186	0.0063	0.0078	0.0008	0.3151
40 mph	0.0523	0.0051	0.0230	0.0093	0.0059	0.0020	0.0083	0.0008	0.1068
45 mph	0.0421	0.0041	0.0186	0.0075	0.0048	0.0016	0.0064	0.0007	0.0859
50 mph	0.0417	0.0041	0.0184	0.0075	0.0048	0.0016	0.0103	0.0011	0.0893
55 mph	0.0337	0.0033	0.0149	0.0061	0.0039	0.0013	0.0024	0.0002	0.0659
60 mph	0.0700	0.0069	0.0312	0.0127	0.0080	0.0027	0.0025	0.0003	0.1343
65 mph	0.0092	0.0009	0.0041	0.0017	0.0011	0.0004	-	-	0.0173
70 mph	-	-	-	-	-	-	-	-	-
total	0.9751	0.0951	0.4327	0.1747	0.1102	0.0372	0.0937	0.0094	1.9281

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0060	0.0006	0.0027	0.0022	0.0017	0.0006	-	-	0.0138
15 mph	0.0052	0.0005	0.0023	0.0020	0.0015	0.0005	-	-	0.0121
20 mph	0.0047	0.0005	0.0021	0.0018	0.0014	0.0005	0.0080	0.0008	0.0196
25 mph	0.0086	0.0008	0.0038	0.0032	0.0025	0.0008	0.0127	0.0013	0.0337
30 mph	0.0159	0.0015	0.0071	0.0059	0.0047	0.0016	0.0201	0.0020	0.0588
35 mph	0.0339	0.0033	0.0150	0.0126	0.0100	0.0034	0.0188	0.0019	0.0989
40 mph	0.0360	0.0035	0.0159	0.0134	0.0106	0.0036	0.0165	0.0017	0.1012
45 mph	0.0279	0.0027	0.0123	0.0104	0.0083	0.0028	0.0116	0.0012	0.0771
50 mph	0.0310	0.0030	0.0137	0.0116	0.0092	0.0031	0.0057	0.0006	0.0780
55 mph	0.0174	0.0017	0.0077	0.0066	0.0052	0.0017	0.0029	0.0003	0.0435
60 mph	0.0109	0.0011	0.0048	0.0041	0.0032	0.0011	0.2093	0.0213	0.2558
65 mph	0.0038	0.0004	0.0017	0.0014	0.0011	0.0004	-	-	0.0088
70 mph	0.1844	0.0189	0.0808	0.0706	0.0568	0.0178	-	-	0.4294
total	0.3858	0.0386	0.1698	0.1459	0.1162	0.0378	0.3056	0.0310	1.2307

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0017	0.0005	0.0008	0.0000	0.0030
15 mph	0.0455	0.0045	0.0204	0.0066	0.0043	0.0015	0.0039	0.0004	0.0871
25 mph	-	-	-	-	0.0068	0.0023	0.0141	0.0014	0.0246
35 mph	0.1414	0.0137	0.0624	0.0186	-	-	-	-	0.2360
total	0.1869	0.0182	0.0828	0.0252	0.0127	0.0043	0.0189	0.0018	0.3507

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0017	0.0005	0.0008	0.0000	0.0030
10 mph	0.0779	0.0077	0.0349	0.0153	0.0097	0.0033	0.0084	0.0008	0.1581
15 mph	0.0760	0.0075	0.0340	0.0131	0.0086	0.0029	0.0064	0.0006	0.1492
20 mph	0.0501	0.0049	0.0224	0.0099	0.0065	0.0022	0.0124	0.0012	0.1096
25 mph	0.2159	0.0210	0.0960	0.0403	0.0325	0.0110	0.0489	0.0049	0.4706
30 mph	0.2281	0.0221	0.1010	0.0438	0.0286	0.0097	0.0386	0.0039	0.4758
35 mph	0.3393	0.0329	0.1497	0.0605	0.0285	0.0096	0.0267	0.0027	0.6500
40 mph	0.0883	0.0086	0.0389	0.0227	0.0166	0.0056	0.0248	0.0025	0.2080
45 mph	0.0700	0.0068	0.0309	0.0179	0.0131	0.0044	0.0180	0.0018	0.1630
50 mph	0.0727	0.0071	0.0321	0.0191	0.0140	0.0047	0.0160	0.0016	0.1673
55 mph	0.0511	0.0050	0.0227	0.0126	0.0091	0.0030	0.0053	0.0005	0.1094
60 mph	0.0809	0.0080	0.0360	0.0168	0.0113	0.0038	0.2118	0.0215	0.3901
65 mph	0.0130	0.0013	0.0058	0.0031	0.0022	0.0007	-	-	0.0261
70 mph	0.1844	0.0189	0.0808	0.0706	0.0568	0.0178	-	-	0.4294
total	1.5477	0.1518	0.6853	0.3458	0.2392	0.0793	0.4182	0.0423	3.5095

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0085	0.0001	0.0032	0.0050	0.1101	0.0867	0.7115	1.9134	2.8383
15 mph	0.0028	0.0000	0.0011	0.0017	0.0287	0.0230	0.1865	0.4957	0.7395
20 mph	0.0046	0.0000	0.0018	0.0028	0.0489	0.0393	0.3186	0.8536	1.2696
25 mph	0.0192	0.0001	0.0074	0.0118	0.2169	0.1751	1.5291	3.9174	5.8771
30 mph	0.0183	0.0001	0.0071	0.0112	0.2169	0.1738	1.2205	3.1286	4.7766
35 mph	0.0136	0.0001	0.0052	0.0084	0.1777	0.1424	0.4906	1.2600	2.0980
40 mph	0.0042	0.0000	0.0016	0.0026	0.0577	0.0458	0.4996	1.2863	1.8978
45 mph	0.0034	0.0000	0.0013	0.0021	0.0469	0.0367	0.3788	0.9782	1.4474
50 mph	0.0034	0.0000	0.0013	0.0021	0.0492	0.0381	0.6075	1.5624	2.2640
55 mph	0.0029	0.0000	0.0011	0.0018	0.0411	0.0315	0.1443	0.3753	0.5979
60 mph	0.0062	0.0000	0.0024	0.0038	0.0830	0.0632	0.1541	0.3981	0.7109
65 mph	0.0009	0.0000	0.0003	0.0005	0.0105	0.0079	-	-	0.0202
70 mph	-	-	-	-	-	-	-	-	-
total	0.0880	0.0006	0.0338	0.0538	1.0876	0.8634	6.2413	16.1688	24.5374

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0003	0.0009	0.0236	0.0186	-	-	0.0440
15 mph	0.0006	0.0000	0.0002	0.0007	0.0154	0.0123	-	-	0.0292
20 mph	0.0005	0.0000	0.0002	0.0006	0.0131	0.0105	0.5744	1.5388	2.1381
25 mph	0.0008	0.0000	0.0003	0.0010	0.0233	0.0188	0.8771	2.2470	3.1683
30 mph	0.0014	0.0000	0.0005	0.0018	0.0423	0.0339	1.3202	3.3840	4.7841
35 mph	0.0028	0.0000	0.0011	0.0036	0.0953	0.0764	1.1793	3.0286	4.3870
40 mph	0.0029	0.0000	0.0011	0.0038	0.1031	0.0818	0.9907	2.5507	3.7341
45 mph	0.0023	0.0000	0.0009	0.0029	0.0805	0.0630	0.6830	1.7634	2.5958
50 mph	0.0025	0.0000	0.0010	0.0033	0.0950	0.0735	0.3370	0.8666	1.3789
55 mph	0.0015	0.0000	0.0006	0.0019	0.0551	0.0422	0.1734	0.4510	0.7256
60 mph	0.0010	0.0000	0.0004	0.0012	0.0334	0.0254	12.9682	33.4928	46.5223
65 mph	0.0004	0.0000	0.0001	0.0005	0.0113	0.0085	-	-	0.0208
70 mph	0.0180	0.0001	0.0068	0.0233	0.5266	0.3979	-	-	0.9727
total	0.0353	0.0002	0.0134	0.0454	1.1177	0.8627	19.1032	49.3230	70.5009

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0005	0.0003	0.0014	0.0027	0.0049
15 mph	0.0050	0.0000	0.0019	0.0024	0.0439	0.0352	0.2996	0.7963	1.1844
25 mph	-	-	-	-	0.0630	0.0509	0.9771	2.5033	3.5943
35 mph	0.0117	0.0001	0.0045	0.0053	-	-	-	-	0.0216
total	0.0167	0.0001	0.0064	0.0078	0.1074	0.0864	1.2781	3.3023	4.8052

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0005	0.0003	0.0014	0.0027	0.0049
10 mph	0.0092	0.0001	0.0035	0.0058	0.1337	0.1052	0.7115	1.9134	2.8824
15 mph	0.0084	0.0001	0.0032	0.0048	0.0879	0.0706	0.4861	1.2921	1.9532
20 mph	0.0051	0.0000	0.0020	0.0034	0.0621	0.0498	0.8930	2.3924	3.4077
25 mph	0.0200	0.0001	0.0077	0.0128	0.3032	0.2447	3.3834	8.6677	12.6397
30 mph	0.0197	0.0001	0.0076	0.0130	0.2592	0.2077	2.5407	6.5126	9.5607
35 mph	0.0281	0.0002	0.0108	0.0173	0.2730	0.2188	1.6699	4.2886	6.5066
40 mph	0.0071	0.0000	0.0027	0.0064	0.1607	0.1276	1.4903	3.8370	5.6319
45 mph	0.0057	0.0000	0.0022	0.0050	0.1274	0.0996	1.0618	2.7416	4.0433
50 mph	0.0060	0.0000	0.0023	0.0054	0.1442	0.1116	0.9445	2.4290	3.6429
55 mph	0.0043	0.0000	0.0017	0.0037	0.0961	0.0737	0.3177	0.8263	1.3235
60 mph	0.0072	0.0000	0.0027	0.0051	0.1163	0.0886	13.1223	33.8909	47.2331
65 mph	0.0012	0.0000	0.0005	0.0010	0.0218	0.0164	-	-	0.0410
70 mph	0.0180	0.0001	0.0068	0.0233	0.5266	0.3979	-	-	0.9727
total	0.1400	0.0009	0.0536	0.1070	2.3127	1.8126	26.6226	68.7941	99.8435

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.2900	0.2900
15 mph								0.0811	0.0811
20 mph								0.1416	0.1416
25 mph								0.7183	0.7183
30 mph								0.6177	0.6177
35 mph								0.2654	0.2654
40 mph								0.2834	0.2834
45 mph								0.2190	0.2190
50 mph								0.3452	0.3452
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.9617	2.9617

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.2554	0.2554
25 mph								0.4120	0.4120
30 mph								0.6681	0.6681
35 mph								0.6379	0.6379
40 mph								0.5620	
45 mph								0.3949	
50 mph								0.1915	
55 mph								-	
60 mph								-	
65 mph								-	
70 mph								-	
total	-	-	-	-	-	-	-	1.9734	1.9734

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0005	0.0005
15 mph								0.1303	0.1303
25 mph								0.4590	0.4590
35 mph								-	-
total	-	-	-	-	-	-	-	0.5898	0.5898

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0005	0.0005
10 mph								0.2900	0.2900
15 mph								0.2114	0.2114
20 mph								0.3970	0.3970
25 mph								1.5892	1.5892
30 mph								1.2858	1.2858
35 mph								0.9033	0.9033
40 mph								0.8455	0.8455
45 mph								0.6139	0.6139
50 mph								0.5367	0.5367
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	6.6732	6.6732

World Logistics Center
Mobile Emissions - Medium EV 2033 (Net) - Mitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.8390	1.8603	3.3689	2.3875
10 mph	0.0043	0.0078	0.0071	0.0081	0.0081	0.0070	0.0156	0.3006
15 mph	0.0029	0.0053	0.0048	0.0054	0.0054	0.0047	0.0104	0.1997
20 mph	0.0020	0.0037	0.0034	0.0038	0.0039	0.0033	0.0073	0.1401
25 mph	0.0015	0.0028	0.0025	0.0028	0.0029	0.0024	0.0054	0.1037
30 mph	0.0011	0.0022	0.0019	0.0022	0.0023	0.0019	0.0042	0.0809
35 mph	0.0009	0.0018	0.0016	0.0018	0.0019	0.0016	0.0034	0.0667
40 mph	0.0008	0.0016	0.0014	0.0016	0.0017	0.0014	0.0030	0.0580
45 mph	0.0008	0.0014	0.0013	0.0015	0.0015	0.0013	0.0027	0.0532
50 mph	0.0007	0.0014	0.0012	0.0014	0.0015	0.0012	0.0026	0.0514
55 mph	0.0007	0.0014	0.0012	0.0014	0.0015	0.0012	0.0027	0.0523
60 mph	0.0008	0.0015	0.0013	0.0015	0.0016	0.0013	0.0028	0.0559
65 mph	0.0009	0.0016	0.0014	0.0017	0.0018	0.0015		
70 mph	0.0010	0.0019	0.0015	0.0018	0.0020	0.0015		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0235	0.1100
10 mph	0.0035	0.0121	0.0091	0.0039	0.0258	0.0259	0.0015	0.0038
15 mph	0.0018	0.0070	0.0045	0.0019	0.0129	0.0129	0.0008	0.0021
20 mph	0.0007	0.0039	0.0017	0.0008	0.0053	0.0054	0.0006	0.0013
25 mph	0.0004	0.0028	0.0010	0.0005	0.0033	0.0034	0.0005	0.0011
30 mph	0.0003	0.0023	0.0008	0.0004	0.0026	0.0026	0.0004	0.0009
35 mph	0.0003	0.0019	0.0006	0.0003	0.0021	0.0021	0.0003	0.0007
40 mph	0.0002	0.0017	0.0005	0.0002	0.0018	0.0018	0.0003	0.0006
45 mph	0.0002	0.0016	0.0004	0.0002	0.0016	0.0016	0.0002	0.0006
50 mph	0.0002	0.0015	0.0004	0.0002	0.0014	0.0014	0.0002	0.0006
55 mph	0.0002	0.0016	0.0003	0.0002	0.0013	0.0013	0.0003	0.0006
60 mph	0.0001	0.0017	0.0003	0.0001	0.0013	0.0013	0.0003	0.0007
65 mph	0.0001	0.0019	0.0003	0.0002	0.0014	0.0014		
70 mph	0.0002	0.0020	0.0003	0.0002	0.0020	0.0019		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.8831
10 mph								10.8141
15 mph								7.4871
20 mph								5.3309
25 mph								3.9104
30 mph								2.8946
35 mph								2.1444
40 mph								1.5909
45 mph								1.1831
50 mph								0.8837
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0648	0.0088	0.0397	0.0166	0.0084	0.0022	0.0082	0.0012	0.1500
15 mph	0.0172	0.0024	0.0106	0.0044	0.0022	0.0006	0.0018	0.0003	0.0396
20 mph	0.0242	0.0034	0.0150	0.0063	0.0032	0.0008	0.0026	0.0004	0.0558
25 mph	0.0892	0.0125	0.0555	0.0233	0.0119	0.0030	0.0104	0.0015	0.2074
30 mph	0.0763	0.0108	0.0475	0.0200	0.0102	0.0026	0.0073	0.0011	0.1759
35 mph	0.0512	0.0073	0.0318	0.0134	0.0070	0.0018	0.0027	0.0004	0.1156
40 mph	0.0148	0.0021	0.0092	0.0039	0.0020	0.0005	0.0026	0.0004	0.0356
45 mph	0.0113	0.0016	0.0070	0.0030	0.0016	0.0004	0.0019	0.0003	0.0271
50 mph	0.0110	0.0016	0.0068	0.0029	0.0015	0.0004	0.0030	0.0005	0.0275
55 mph	0.0089	0.0013	0.0055	0.0023	0.0013	0.0003	0.0007	0.0001	0.0203
60 mph	0.0188	0.0026	0.0115	0.0049	0.0027	0.0007	0.0008	0.0001	0.0420
65 mph	0.0026	0.0004	0.0016	0.0007	0.0004	0.0001	-	-	0.0057
70 mph	-	-	-	-	-	-	-	-	-
total	0.3904	0.0547	0.2418	0.1017	0.0523	0.0134	0.0420	0.0063	0.9025

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0054	0.0007	0.0033	0.0029	0.0018	0.0005	-	-	0.0145
15 mph	0.0036	0.0005	0.0022	0.0019	0.0012	0.0003	-	-	0.0097
20 mph	0.0025	0.0003	0.0016	0.0014	0.0009	0.0002	0.0046	0.0007	0.0122
25 mph	0.0037	0.0005	0.0023	0.0020	0.0013	0.0003	0.0060	0.0009	0.0170
30 mph	0.0057	0.0008	0.0036	0.0031	0.0020	0.0005	0.0079	0.0012	0.0249
35 mph	0.0106	0.0015	0.0066	0.0058	0.0037	0.0009	0.0065	0.0010	0.0366
40 mph	0.0102	0.0015	0.0063	0.0056	0.0036	0.0009	0.0052	0.0008	0.0341
45 mph	0.0075	0.0011	0.0047	0.0041	0.0027	0.0007	0.0034	0.0005	0.0247
50 mph	0.0082	0.0012	0.0050	0.0045	0.0029	0.0007	0.0017	0.0003	0.0244
55 mph	0.0046	0.0007	0.0028	0.0025	0.0017	0.0004	0.0008	0.0001	0.0137
60 mph	0.0029	0.0004	0.0018	0.0016	0.0011	0.0003	0.0633	0.0096	0.0809
65 mph	0.0011	0.0002	0.0007	0.0006	0.0004	0.0001	-	-	0.0030
70 mph	0.0548	0.0080	0.0323	0.0298	0.0204	0.0047	-	-	0.1500
total	0.1207	0.0173	0.0731	0.0658	0.0437	0.0106	0.0994	0.0150	0.4456

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2306	0.0711	0.1957	0.0015	0.4988
15 mph	0.0311	0.0043	0.0192	0.0064	0.0034	0.0009	0.0029	0.0004	0.0686
25 mph	-	-	-	-	0.0034	0.0009	0.0067	0.0010	0.0120
35 mph	0.0441	0.0063	0.0274	0.0085	-	-	-	-	0.0864
total	0.0752	0.0106	0.0466	0.0150	0.2374	0.0729	0.2052	0.0029	0.6658

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2306	0.0711	0.1957	0.0015	0.4988
10 mph	0.0701	0.0095	0.0430	0.0195	0.0102	0.0027	0.0082	0.0012	0.1645
15 mph	0.0519	0.0071	0.0320	0.0128	0.0068	0.0018	0.0048	0.0007	0.1179
20 mph	0.0267	0.0037	0.0166	0.0076	0.0040	0.0010	0.0072	0.0011	0.0680
25 mph	0.0929	0.0131	0.0578	0.0253	0.0166	0.0043	0.0230	0.0034	0.2363
30 mph	0.0821	0.0116	0.0511	0.0231	0.0122	0.0031	0.0152	0.0023	0.2008
35 mph	0.1059	0.0151	0.0658	0.0278	0.0107	0.0027	0.0092	0.0014	0.2386
40 mph	0.0250	0.0036	0.0156	0.0095	0.0057	0.0014	0.0078	0.0012	0.0697
45 mph	0.0189	0.0027	0.0117	0.0071	0.0043	0.0011	0.0053	0.0008	0.0518
50 mph	0.0191	0.0027	0.0118	0.0073	0.0045	0.0011	0.0046	0.0007	0.0519
55 mph	0.0135	0.0019	0.0083	0.0048	0.0029	0.0007	0.0015	0.0002	0.0340
60 mph	0.0217	0.0030	0.0133	0.0065	0.0037	0.0009	0.0641	0.0097	0.1229
65 mph	0.0037	0.0005	0.0023	0.0013	0.0008	0.0002	-	-	0.0087
70 mph	0.0548	0.0080	0.0323	0.0298	0.0204	0.0047	-	-	0.1500
total	0.5863	0.0826	0.3614	0.1825	0.3334	0.0969	0.3466	0.0242	2.0140

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0004	0.0002	0.0210	0.0148	0.0041	0.0191	0.0602
15 mph	0.0001	0.0000	0.0001	0.0000	0.0042	0.0030	0.0008	0.0035	0.0116
20 mph	0.0001	0.0000	0.0001	0.0000	0.0035	0.0025	0.0010	0.0044	0.0116
25 mph	0.0003	0.0000	0.0002	0.0001	0.0108	0.0077	0.0045	0.0197	0.0432
30 mph	0.0002	0.0000	0.0002	0.0001	0.0092	0.0065	0.0033	0.0145	0.0339
35 mph	0.0001	0.0000	0.0001	0.0001	0.0061	0.0043	0.0012	0.0054	0.0174
40 mph	0.0000	0.0000	0.0000	0.0000	0.0017	0.0012	0.0012	0.0051	0.0093
45 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0009	0.0009	0.0038	0.0069
50 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0008	0.0014	0.0062	0.0096
55 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	0.0004	0.0016	0.0034
60 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0012	0.0004	0.0018	0.0051
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0016	0.0000	0.0011	0.0006	0.0616	0.0436	0.0192	0.0850	0.2126

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0045	0.0032	-	-	0.0078
15 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0016	-	-	0.0039
20 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0007	0.0019	0.0079	0.0114
25 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0008	0.0026	0.0113	0.0159
30 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0013	0.0036	0.0157	0.0223
35 mph	0.0000	0.0000	0.0000	0.0000	0.0033	0.0023	0.0029	0.0129	0.0215
40 mph	0.0000	0.0000	0.0000	0.0000	0.0031	0.0022	0.0023	0.0102	0.0179
45 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0015	0.0016	0.0068	0.0121
50 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0016	0.0008	0.0034	0.0080
55 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0008	0.0004	0.0019	0.0043
60 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0351	0.1546	0.1909
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	0.0001	0.0000	0.0001	0.0001	0.0157	0.0106	-	-	0.0265
total	0.0003	0.0000	0.0002	0.0002	0.0390	0.0271	0.0512	0.2248	0.3429

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0146	0.0103	0.0070	0.0610	0.0929
15 mph	0.0002	0.0000	0.0001	0.0001	0.0064	0.0045	0.0012	0.0056	0.0182
25 mph	-	-	-	-	0.0031	0.0022	0.0029	0.0126	0.0208
35 mph	0.0001	0.0000	0.0001	0.0000	-	-	-	-	0.0003
total	0.0003	0.0000	0.0002	0.0001	0.0241	0.0170	0.0111	0.0792	0.1321

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0146	0.0103	0.0070	0.0610	0.0929
10 mph	0.0006	0.0000	0.0004	0.0003	0.0255	0.0180	0.0041	0.0191	0.0680
15 mph	0.0003	0.0000	0.0002	0.0001	0.0128	0.0091	0.0020	0.0091	0.0337
20 mph	0.0001	0.0000	0.0001	0.0000	0.0044	0.0031	0.0029	0.0123	0.0230
25 mph	0.0003	0.0000	0.0002	0.0001	0.0151	0.0107	0.0100	0.0436	0.0800
30 mph	0.0002	0.0000	0.0002	0.0001	0.0110	0.0078	0.0069	0.0302	0.0563
35 mph	0.0003	0.0000	0.0002	0.0001	0.0094	0.0067	0.0042	0.0183	0.0392
40 mph	0.0001	0.0000	0.0000	0.0000	0.0048	0.0034	0.0035	0.0153	0.0272
45 mph	0.0000	0.0000	0.0000	0.0000	0.0034	0.0024	0.0024	0.0106	0.0190
50 mph	0.0000	0.0000	0.0000	0.0000	0.0033	0.0024	0.0022	0.0096	0.0176
55 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0014	0.0008	0.0035	0.0077
60 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0016	0.0356	0.1565	0.1960
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	-	-	0.0008
70 mph	0.0001	0.0000	0.0001	0.0001	0.0157	0.0106	-	-	0.0265
total	0.0022	0.0000	0.0015	0.0009	0.1247	0.0877	0.0815	0.3891	0.6877

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								3.7289	3.7289
15 mph								0.8606	0.8606
20 mph								1.2255	1.2255
25 mph								4.9441	4.9441
30 mph								3.3270	3.3270
35 mph								1.1091	1.1091
40 mph								0.9143	0.9143
45 mph								0.5440	0.5440
50 mph								0.6602	0.6602
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	17.3136	17.3136

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								2.2092	2.2092
25 mph								2.8360	2.8360
30 mph								3.5987	3.5987
35 mph								2.6660	2.6660
40 mph								1.8130	1.8130
45 mph								0.9806	0.9806
50 mph								0.3662	0.3662
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	11.3099	11.3099

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0713	0.0713
15 mph								1.3823	1.3823
25 mph								3.1594	3.1594
35 mph								-	-
total	-	-	-	-	-	-	-	4.6130	4.6130

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0713	0.0713
10 mph								3.7289	3.7289
15 mph								2.2429	2.2429
20 mph								3.4347	3.4347
25 mph								10.9394	10.9394
30 mph								6.9257	6.9257
35 mph								3.7752	3.7752
40 mph								2.7273	2.7273
45 mph								1.5246	1.5246
50 mph								1.0264	1.0264
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	36.3964	36.3964

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2452	0.0814	0.2026	0.1338	0.6630
10 mph	0.0707	0.0095	0.0434	0.0198	0.0356	0.0207	0.0124	3.7492	3.9614
15 mph	0.0522	0.0071	0.0323	0.0129	0.0197	0.0109	0.0068	2.2527	2.3945
20 mph	0.0268	0.0037	0.0166	0.0077	0.0084	0.0042	0.0101	3.4481	3.5256
25 mph	0.0932	0.0131	0.0580	0.0254	0.0317	0.0150	0.0330	10.9865	11.2558
30 mph	0.0823	0.0116	0.0512	0.0232	0.0232	0.0109	0.0221	6.9581	7.1827
35 mph	0.1062	0.0151	0.0660	0.0279	0.0201	0.0094	0.0133	3.7948	4.0529
40 mph	0.0251	0.0036	0.0156	0.0095	0.0105	0.0048	0.0113	2.7438	2.8243
45 mph	0.0189	0.0027	0.0117	0.0071	0.0077	0.0035	0.0077	1.5360	1.5954
50 mph	0.0192	0.0027	0.0118	0.0074	0.0078	0.0035	0.0068	1.0367	1.0959
55 mph	0.0135	0.0019	0.0083	0.0049	0.0049	0.0021	0.0023	0.0037	0.0417
60 mph	0.0217	0.0030	0.0133	0.0065	0.0060	0.0026	0.0996	0.1662	0.3190
65 mph	0.0037	0.0005	0.0023	0.0013	0.0012	0.0005	-	-	0.0095
70 mph	0.0549	0.0080	0.0323	0.0299	0.0360	0.0153	-	-	0.1765
STREX	0.2272	0.0208	0.1147	0.2006	0.0250	0.0076	0.0291	0.0000	0.6251
total	0.8157	0.1035	0.4777	0.3840	0.4832	0.1922	0.4572	36.8097	**39.7231**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0265	0.0326	0.0362	0.0402	0.0137	0.0137	0.0321	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2272	0.0208	0.1147	0.2006	0.0250	0.0076	0.0291	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.2272	0.0208	0.1147	0.2006	0.0250	0.0076	0.0291	0.0000

World Logistics Center
Mobile Emissions - Medium EV 2033 (Net) - Mitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,064.72	4,753.33	12,015.44	19,641.32
10 mph	407.30	478.41	481.20	591.06	1,332.01	1,535.36	2,730.16	3,196.14
15 mph	332.96	391.12	393.32	482.93	1,088.52	1,253.79	2,235.04	2,622.33
20 mph	276.91	325.26	327.10	401.64	905.11	1,042.86	1,857.08	2,184.89
25 mph	236.73	278.10	279.70	343.61	773.58	891.10	1,588.48	1,871.23
30 mph	210.11	246.83	248.29	305.23	686.68	791.10	1,410.94	1,661.31
35 mph	194.86	228.89	230.29	283.38	636.87	733.90	1,309.19	1,538.74
40 mph	188.77	221.74	223.08	274.54	616.54	710.51	1,266.75	1,487.44
45 mph	189.83	222.88	224.17	275.81	618.79	713.09	1,272.20	1,488.68
50 mph	195.49	229.49	230.79	284.12	636.98	733.80	1,308.78	1,528.36
55 mph	203.08	238.34	239.77	295.30	662.98	763.69	1,360.47	1,587.16
60 mph	209.04	245.72	247.38	305.06	689.83	794.62	1,415.08	1,647.94
65 mph	214.20	252.15	253.94	313.63	710.73	818.38		
70 mph	217.21	255.48	256.76	319.89	719.65	826.23		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,292.01	5,324.95	5,480.37	5,040.94
10 mph	346.32	717.64	463.35	576.45	861.53	964.31	1,670.80	2,410.48
15 mph	284.86	596.74	384.28	488.70	561.14	640.17	1,313.90	1,873.60
20 mph	233.68	489.92	315.69	405.90	478.80	546.61	1,122.35	1,613.01
25 mph	195.90	409.19	264.69	343.53	424.50	486.95	979.35	1,345.94
30 mph	169.71	351.89	228.85	297.01	385.82	439.55	859.89	1,182.42
35 mph	153.45	315.21	206.50	269.85	386.43	440.27	768.12	1,058.22
40 mph	143.60	293.74	192.72	252.49	376.16	424.55	703.94	972.27
45 mph	138.72	283.39	185.81	242.98	367.10	408.32	667.26	924.23
50 mph	139.13	283.23	186.07	244.36	385.09	423.69	658.50	908.42
55 mph	145.57	296.43	194.53	257.82	401.91	437.95	677.63	945.54
60 mph	157.82	321.45	210.75	279.17	405.84	439.41	723.99	1,003.09
65 mph	177.48	358.24	236.65	313.91	411.79	441.41		
70 mph	192.69	373.23	253.93	340.98	417.88	448.80		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								5,067.69
10 mph								4,125.73
15 mph								3,461.76
20 mph								3,022.56
25 mph								2,786.71
30 mph								2,636.12
35 mph								2,516.92
40 mph								2,419.16
45 mph								2,336.94
50 mph								2,266.47
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	6,153.98	539.00	2,690.22	1,213.49	1,370.16	481.47	1,443.51	13.03	13,904.86
15 mph	2,012.27	176.26	879.57	396.59	447.88	157.27	393.91	3.56	4,467.31
20 mph	3,347.06	293.16	1,462.98	659.68	744.83	261.62	654.59	5.94	7,429.86
25 mph	14,306.94	1,253.29	6,254.91	2,821.77	3,182.95	1,117.75	3,079.53	27.98	32,045.12
30 mph	13,967.99	1,223.57	6,107.66	2,757.30	3,107.94	1,091.54	2,486.68	22.58	30,765.27
35 mph	10,599.18	928.35	4,634.90	2,094.47	2,358.39	828.51	1,038.31	9.41	22,491.51
40 mph	3,422.61	299.79	1,496.62	676.37	761.04	267.37	1,116.27	10.11	8,050.17
45 mph	2,868.09	251.10	1,253.28	566.26	636.52	223.61	896.86	8.09	6,703.82
50 mph	2,953.68	258.55	1,290.26	583.31	655.22	230.11	1,499.31	13.50	7,483.94
55 mph	2,454.63	214.82	1,072.39	485.01	545.57	191.59	359.66	3.24	5,326.90
60 mph	5,053.39	442.94	2,212.81	1,002.10	1,135.34	398.69	374.10	3.36	10,622.72
65 mph	647.26	56.82	283.94	128.78	146.22	51.33	-	-	1,314.35
70 mph	-	-	-	-	-	-	-	-	-
total	67,787.08	5,937.64	29,639.53	13,385.12	15,092.05	5,300.85	13,342.73	120.81	150,605.82

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	508.97	44.58	222.50	209.61	293.81	103.24	-	-	1,382.70
15 mph	416.06	36.44	181.86	171.26	240.10	84.31	-	-	1,130.04
20 mph	346.03	30.31	151.25	142.43	199.65	70.13	1,180.07	10.71	2,130.56
25 mph	591.63	51.83	258.66	243.70	341.27	119.84	1,766.43	16.05	3,389.40
30 mph	1,050.21	92.00	459.22	432.97	605.86	212.78	2,689.73	24.43	5,567.19
35 mph	2,191.53	191.95	958.33	904.44	1,264.30	444.15	2,495.75	22.62	8,473.07
40 mph	2,358.91	206.62	1,031.49	973.57	1,359.95	477.78	2,213.60	20.05	8,641.95
45 mph	1,897.66	166.14	829.22	782.48	1,091.93	383.61	1,616.82	14.59	6,782.45
50 mph	2,198.57	192.45	960.41	906.80	1,264.52	444.09	831.66	7.49	6,805.99
55 mph	1,268.82	111.04	554.33	523.59	731.18	256.77	432.25	3.89	3,881.88
60 mph	783.64	68.69	343.15	324.55	456.48	160.30	31,472.05	282.66	33,891.52
65 mph	267.66	23.50	117.42	111.22	156.77	55.03	-	-	731.60
70 mph	12,485.35	1,095.05	5,461.18	5,218.28	7,301.88	2,555.70	-	-	34,117.44
total	26,365.04	2,310.59	11,529.01	10,944.91	15,307.70	5,367.72	44,698.35	402.48	116,925.80

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	509.67	181.70	697.81	12.31	1,401.48
15 mph	3,627.19	317.72	1,585.46	574.47	685.27	240.63	632.75	5.73	7,669.21
25 mph	-	-	-	-	924.91	324.80	1,967.88	17.88	3,235.47
35 mph	9,133.74	800.00	3,994.08	1,332.83	-	-	-	-	15,260.64
total	12,760.93	1,117.72	5,579.54	1,907.30	2,119.85	747.12	3,298.43	35.92	27,566.80

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	509.67	181.70	697.81	12.31	1,401.48
10 mph	6,662.95	583.57	2,912.72	1,423.09	1,663.97	584.71	1,443.51	13.03	15,287.56
15 mph	6,055.53	530.43	2,646.90	1,142.32	1,373.24	482.20	1,026.66	9.29	13,266.57
20 mph	3,693.09	323.47	1,614.22	802.11	944.48	331.75	1,834.66	16.65	9,560.42
25 mph	14,898.57	1,305.12	6,513.57	3,065.47	4,449.13	1,562.39	6,813.84	61.90	38,670.00
30 mph	15,018.20	1,315.56	6,566.88	3,190.27	3,713.80	1,304.32	5,176.41	47.01	36,332.46
35 mph	21,924.44	1,920.30	9,587.31	4,331.73	3,622.69	1,272.66	3,534.05	32.03	46,225.22
40 mph	5,781.51	506.40	2,528.11	1,649.94	2,120.99	745.14	3,329.87	30.16	16,692.12
45 mph	4,765.75	417.24	2,082.50	1,348.75	1,728.45	607.22	2,513.69	22.69	13,486.28
50 mph	5,152.24	451.00	2,250.67	1,490.11	1,919.75	674.20	2,330.96	20.99	14,289.93
55 mph	3,723.45	325.86	1,626.72	1,008.60	1,276.75	448.35	791.91	7.13	9,208.77
60 mph	5,837.03	511.63	2,555.95	1,326.65	1,591.82	558.99	31,846.15	286.02	44,514.24
65 mph	914.93	80.31	401.36	240.00	302.99	106.36	-	-	2,045.94
70 mph	12,485.35	1,095.05	5,461.18	5,218.28	7,301.88	2,555.70	-	-	34,117.44
total	106,913.05	9,365.95	46,748.08	26,237.33	32,519.59	11,415.69	61,339.51	559.21	295,098.42

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	54.11	0.34	20.67	31.54	700.27	551.35	4,526.26	12,172.71	18,057.26
15 mph	17.80	0.11	6.86	10.70	182.44	146.41	1,186.47	3,153.84	4,704.63
20 mph	29.21	0.19	11.27	17.77	311.34	250.02	2,026.99	5,430.37	8,077.15
25 mph	122.44	0.78	47.23	75.19	1,380.18	1,113.66	9,728.05	24,921.84	37,389.35
30 mph	116.67	0.74	44.92	71.51	1,379.87	1,105.78	7,764.96	19,903.75	30,388.19
35 mph	86.31	0.54	33.16	53.16	1,130.77	906.20	3,121.30	8,015.88	13,347.32
40 mph	26.92	0.17	10.32	16.58	366.90	291.28	3,178.32	8,183.13	12,073.63
45 mph	21.68	0.13	8.29	13.30	298.38	233.46	2,410.19	6,223.07	9,208.49
50 mph	21.74	0.13	8.30	13.37	313.01	242.25	3,865.14	9,939.52	14,403.46
55 mph	18.20	0.11	6.94	11.29	261.34	200.32	917.87	2,387.45	3,803.52
60 mph	39.45	0.24	15.04	24.44	527.81	401.98	980.67	2,532.76	4,522.39
65 mph	5.55	0.03	2.11	3.44	66.94	50.48	-	-	128.54
70 mph	-	-	-	-	-	-	-	-	-
total	560.08	3.52	215.09	342.27	6,919.25	5,493.17	39,706.22	102,864.32	156,103.92

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	4.48	0.03	1.71	5.45	150.16	118.23	-	-	280.05
15 mph	3.68	0.02	1.42	4.62	97.80	78.49	-	-	186.03
20 mph	3.02	0.02	1.16	3.84	83.45	67.02	3,654.16	9,789.62	13,602.29
25 mph	5.06	0.03	1.95	6.49	147.98	119.40	5,580.04	14,295.25	20,156.22
30 mph	8.77	0.06	3.38	11.23	268.99	215.56	8,398.98	21,528.93	30,435.89
35 mph	17.85	0.11	6.86	22.95	606.19	485.80	7,502.58	19,267.53	27,909.87
40 mph	18.56	0.12	7.11	23.86	655.64	520.51	6,302.70	16,227.38	23,755.88
45 mph	14.34	0.09	5.48	18.37	511.87	400.49	4,344.97	11,218.67	16,514.29
50 mph	16.18	0.10	6.18	20.79	604.08	467.51	2,143.97	5,513.39	8,772.19
55 mph	9.41	0.06	3.59	12.18	350.26	268.47	1,103.13	2,869.32	4,616.41
60 mph	6.12	0.04	2.33	7.92	212.21	161.62	82,501.91	213,077.32	295,969.47
65 mph	2.29	0.01	0.87	2.97	71.77	54.12	-	-	132.04
70 mph	114.54	0.67	43.09	148.25	3,350.40	2,531.14	-	-	6,188.10
total	224.29	1.36	85.14	288.92	7,110.81	5,488.36	121,532.44	313,787.40	448,518.72

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	326.17	371.12	1,630.75	2,796.14	5,124.18
15 mph	32.09	0.20	12.36	15.49	279.14	224.01	1,905.86	5,066.09	7,535.25
25 mph	-	-	-	-	401.06	323.61	6,216.42	15,925.54	22,866.62
35 mph	74.38	0.46	28.58	33.83	-	-	-	-	137.25
total	106.47	0.67	40.94	49.32	1,006.37	918.74	9,753.03	23,787.76	35,663.29

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	326.17	371.12	1,630.75	2,796.14	5,124.18
10 mph	58.59	0.37	22.38	36.99	850.43	669.57	4,526.26	12,172.71	18,337.31
15 mph	53.57	0.34	20.63	30.81	559.39	448.90	3,092.34	8,219.92	12,425.90
20 mph	32.23	0.21	12.43	21.60	394.79	317.04	5,681.15	15,220.00	21,679.44
25 mph	127.50	0.81	49.18	81.68	1,929.21	1,556.67	21,524.52	55,142.62	80,412.19
30 mph	125.44	0.79	48.29	82.74	1,648.86	1,321.35	16,163.94	41,432.67	60,824.08
35 mph	178.54	1.12	68.59	109.94	1,736.96	1,392.00	10,623.88	27,283.41	41,394.43
40 mph	45.48	0.28	17.43	40.44	1,022.55	811.79	9,481.02	24,410.50	35,829.50
45 mph	36.02	0.22	13.77	31.67	810.25	633.95	6,755.16	17,441.74	25,722.78
50 mph	37.92	0.23	14.48	34.16	917.09	709.76	6,009.10	15,452.91	23,175.65
55 mph	27.60	0.17	10.53	23.47	611.60	468.79	2,020.99	5,256.77	8,419.93
60 mph	45.57	0.28	17.37	32.36	740.02	563.60	83,482.57	215,610.08	300,491.86
65 mph	7.84	0.05	2.98	6.40	138.71	104.59	-	-	260.58
70 mph	114.54	0.67	43.09	148.25	3,350.40	2,531.14	-	-	6,188.10
total	890.84	5.55	341.16	680.51	15,036.43	11,900.26	170,991.68	440,439.48	640,285.93

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1,422.64	1,422.64
15 mph								397.89	397.89
20 mph								694.83	694.83
25 mph								3,523.35	3,523.35
30 mph								3,029.96	3,029.96
35 mph								1,301.83	1,301.83
40 mph								1,390.29	1,390.29
45 mph								1,074.43	1,074.43
50 mph								1,693.30	1,693.30
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	14,528.52	14,528.52

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1,252.60	1,252.60
25 mph								2,021.00	2,021.00
30 mph								3,277.36	3,277.36
35 mph								3,129.16	3,129.16
40 mph								2,756.99	2,756.99
45 mph								1,936.94	1,936.94
50 mph								939.26	939.26
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	9,680.13	9,680.13

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								191.94	191.94
15 mph								639.15	639.15
25 mph								2,251.49	2,251.49
35 mph								-	-
total	-	-	-	-	-	-	-	3,082.58	3,082.58

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								191.94	191.94
10 mph								1,422.64	1,422.64
15 mph								1,037.04	1,037.04
20 mph								1,947.43	1,947.43
25 mph								7,795.84	7,795.84
30 mph								6,307.33	6,307.33
35 mph								4,430.99	4,430.99
40 mph								4,147.28	4,147.28
45 mph								3,011.37	3,011.37
50 mph								2,632.56	2,632.56
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	32,924.41	32,924.41

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	835.84	552.82	2,328.56	3,000.39	6,717.60
10 mph	6,721.54	583.94	2,935.09	1,460.08	2,514.40	1,254.29	5,969.78	13,608.38	35,047.50
15 mph	6,109.10	530.77	2,667.53	1,173.13	1,932.63	931.10	4,119.00	9,266.25	26,729.51
20 mph	3,725.32	323.67	1,626.65	823.71	1,339.27	648.78	7,515.81	17,184.07	33,187.29
25 mph	15,026.07	1,305.93	6,562.75	3,147.16	6,378.34	3,119.06	28,338.36	63,000.36	126,878.02
30 mph	15,143.65	1,316.36	6,615.17	3,273.01	5,362.66	2,625.67	21,340.34	47,787.00	103,463.86
35 mph	22,102.98	1,921.41	9,655.90	4,441.67	5,359.64	2,664.66	14,157.93	31,746.43	92,050.64
40 mph	5,826.99	506.69	2,545.53	1,690.38	3,143.54	1,556.94	12,810.90	28,587.94	56,668.91
45 mph	4,801.77	417.46	2,096.27	1,380.42	2,538.70	1,241.17	9,268.84	20,475.79	42,220.42
50 mph	5,190.16	451.24	2,265.15	1,524.27	2,836.83	1,383.96	8,340.06	18,106.47	40,098.14
55 mph	3,751.05	326.03	1,637.25	1,032.07	1,888.36	917.14	2,812.90	5,263.90	17,628.70
60 mph	5,882.60	511.91	2,573.33	1,359.01	2,331.83	1,122.59	115,328.72	215,896.11	345,006.10
65 mph	922.77	80.36	404.34	246.41	441.70	210.95	-	-	2,306.53
70 mph	12,599.89	1,095.72	5,504.28	5,366.53	10,652.28	5,086.84	-	-	40,305.54
STREX	369.16	32.46	165.52	321.25	30.69	10.68	29.50	0.27	959.54
total	108,173.04	9,403.96	47,254.77	27,239.10	47,586.71	23,326.64	232,360.70	473,923.38	**969,268.30**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	43.09	50.81	52.21	64.31	16.82	19.21	32.62	39.00
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	369.16	32.46	165.52	321.25	30.69	10.68	29.50	0.27
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	369.16	32.46	165.52	321.25	30.69	10.68	29.50	0.27

World Logistics Center
Mobile Emissions - Medium EV 2034 (Net) - Mitigated

Pounds per day

PM2.5 Exhaust	Dust	Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
11.65	54.13	52.93	118.72	8.85	114.41	42.06	1,013,579.32

Tons per year

PM2.5 Exhaust	Dust	Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
2.13	9.88	9.66	21.67	1.62	20.88	7.68	184,978.23

World Logistics Center
Mobile Emissions - Medium EV 2034 (Net) - Mitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	4,292.48	44.39	237.96	219,620.58	2,271.13	12,175.13
LDT1	320.08	0.14	17.56	16,376.50	6.91	898.29
LDT2	1,588.31	12.67	87.86	81,264.55	648.39	4,495.49
MDT	2,375.53	63.31	133.83	36,394.50	969.99	2,050.39
LHDT1	867.46	685.46	-	20,348.57	16,079.23	-
LHDT2	264.45	482.16	-	6,203.37	11,310.37	-
MHDT	431.17	2,209.19	-	19,392.45	99,361.09	-
HHDT	3.42	4,112.46	286.78	153.89	184,963.24	12,898.35

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	155,370.55	1,606.71	8,613.29	64,250.04	664.42	3,561.84
LDT1	11,585.55	4.89	635.49	4,790.95	2.02	262.79
LDT2	57,490.60	458.70	3,180.33	23,773.96	189.69	1,315.16
MDT	19,528.62	520.48	1,100.20	16,865.87	449.51	950.19
LHDT1	9,819.92	7,759.60	-	10,528.65	8,319.63	-
LHDT2	2,993.65	5,458.22	-	3,209.71	5,852.15	-
MHDT	4,210.71	21,574.41	-	15,181.74	77,786.68	-
HHDT	33.41	40,161.33	2,800.64	120.47	144,801.92	10,097.71

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	7,768.53	579.28	2,874.53	976.43	491.00	149.68	252.64	2.00	13,094.09
15 mph	3,107.41	231.71	1,149.81	390.57	196.40	59.87	84.21	0.67	5,220.66
20 mph	6,214.82	463.42	2,299.62	781.14	392.80	119.75	168.43	1.34	10,441.32
25 mph	31,074.11	2,317.11	11,498.12	3,905.72	1,963.98	598.73	926.36	7.35	52,291.49
30 mph	34,181.52	2,548.82	12,647.93	4,296.30	2,160.38	658.60	842.14	6.68	57,342.38
35 mph	27,966.70	2,085.40	10,348.31	3,515.15	1,767.59	538.86	378.96	3.01	46,603.97
40 mph	9,322.23	695.13	3,449.44	1,171.72	589.20	179.62	421.07	3.34	15,831.75
45 mph	7,768.53	579.28	2,874.53	976.43	491.00	149.68	336.86	2.67	13,178.97
50 mph	7,768.53	579.28	2,874.53	976.43	491.00	149.68	547.39	4.34	13,391.18
55 mph	6,214.82	463.42	2,299.62	781.14	392.80	119.75	126.32	1.00	10,398.88
60 mph	12,429.64	926.84	4,599.25	1,562.29	785.59	239.49	126.32	1.00	20,670.44
65 mph	1,553.71	115.86	574.91	195.29	98.20	29.94	-	-	2,567.89
70 mph	-	-	-	-	-	-	-	-	-
total	155,370.55	11,585.55	57,490.60	19,528.62	9,819.92	2,993.65	4,210.71	33.41	261,033.02

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	642.50	47.91	237.74	168.66	105.29	32.10	-	-	1,234.19
15 mph	642.50	47.91	237.74	168.66	105.29	32.10	-	-	1,234.19
20 mph	642.50	47.91	237.74	168.66	105.29	32.10	303.63	2.41	1,540.24
25 mph	1,285.00	95.82	475.48	337.32	210.57	64.19	531.36	4.22	3,003.96
30 mph	2,570.00	191.64	950.96	674.63	421.15	128.39	910.90	7.23	5,854.90
35 mph	5,782.50	431.19	2,139.66	1,517.93	947.58	288.87	910.90	7.23	12,025.86
40 mph	6,425.00	479.09	2,377.40	1,686.59	1,052.87	320.97	835.00	6.63	13,183.54
45 mph	5,140.00	383.28	1,901.92	1,349.27	842.29	256.78	607.27	4.82	10,485.62
50 mph	5,782.50	431.19	2,139.66	1,517.93	947.58	288.87	303.63	2.41	11,413.77
55 mph	3,212.50	239.55	1,188.70	843.29	526.43	160.49	151.82	1.20	6,323.98
60 mph	1,927.50	143.73	713.22	505.98	315.86	96.29	10,627.22	84.33	14,414.13
65 mph	642.50	47.91	237.74	168.66	105.29	32.10	-	-	1,234.19
70 mph	29,555.02	2,203.84	10,936.02	7,758.30	4,843.18	1,476.47	-	-	56,772.82
total	64,250.04	4,790.95	23,773.96	16,865.87	10,528.65	3,209.71	15,181.74	120.47	138,721.39

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	59.60	18.17	27.61	0.30	105.68
15 mph	5,178.33	386.13	1,916.10	565.45	299.25	91.23	134.57	1.07	8,572.14
25 mph	-	-	-	-	568.33	173.26	588.88	4.67	1,335.14
35 mph	22,280.44	1,661.39	8,244.26	2,235.69	-	-	-	-	34,421.79
total	27,458.77	2,047.52	10,160.36	2,801.15	867.58	264.49	723.45	5.74	44,329.07

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	59.60	18.17	27.61	0.30	105.68
10 mph	8,411.03	627.19	3,112.27	1,145.09	596.28	181.78	252.64	2.00	14,328.28
15 mph	8,928.24	665.75	3,303.65	1,124.69	600.93	183.20	218.79	1.74	15,026.99
20 mph	6,857.32	511.33	2,537.36	949.80	498.08	151.84	472.06	3.75	11,981.56
25 mph	32,359.11	2,412.93	11,973.60	4,243.04	2,742.89	836.18	2,046.60	16.24	56,630.59
30 mph	36,751.52	2,740.46	13,598.89	4,970.93	2,581.53	786.99	1,753.05	13.91	63,197.28
35 mph	56,029.64	4,177.98	20,732.23	7,268.78	2,715.16	827.73	1,289.87	10.24	93,051.62
40 mph	15,747.24	1,174.23	5,826.83	2,858.30	1,642.06	500.59	1,256.07	9.97	29,015.29
45 mph	12,908.53	962.55	4,776.45	2,325.70	1,333.29	406.46	944.13	7.49	23,664.60
50 mph	13,551.03	1,010.46	5,014.19	2,494.36	1,438.57	438.56	851.03	6.75	24,804.95
55 mph	9,427.32	702.97	3,488.32	1,624.44	919.23	280.23	278.14	2.21	16,722.86
60 mph	14,357.14	1,070.57	5,312.47	2,068.27	1,101.45	335.78	10,753.54	85.33	35,084.56
65 mph	2,196.21	163.77	812.65	363.94	203.49	62.03	-	-	3,802.08
70 mph	29,555.02	2,203.84	10,936.02	7,758.30	4,843.18	1,476.47	-	-	56,772.82
total	247,079.35	18,424.02	91,424.92	39,195.65	21,216.15	6,467.85	20,115.90	159.63	444,083.48

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	80.34	0.24	22.94	26.02	387.98	272.91	1,294.46	2,409.68	4,494.57
15 mph	32.13	0.10	9.17	10.41	155.19	109.16	431.49	803.23	1,550.89
20 mph	64.27	0.20	18.35	20.82	310.38	218.33	862.98	1,606.45	3,101.77
25 mph	321.34	0.98	91.74	104.10	1,551.92	1,091.64	4,746.37	8,835.49	16,743.58
30 mph	353.48	1.08	100.91	114.51	1,707.11	1,200.81	4,314.88	8,032.27	15,825.04
35 mph	289.21	0.88	82.57	93.69	1,396.73	982.48	1,941.70	3,614.52	8,401.76
40 mph	96.40	0.29	27.52	31.23	465.58	327.49	2,157.44	4,016.13	7,122.09
45 mph	80.34	0.24	22.94	26.02	387.98	272.91	1,725.95	3,212.91	5,729.29
50 mph	80.34	0.24	22.94	26.02	387.98	272.91	2,804.67	5,220.97	8,816.08
55 mph	64.27	0.20	18.35	20.82	310.38	218.33	647.23	1,204.84	2,484.42
60 mph	128.54	0.39	36.70	41.64	620.77	436.66	647.23	1,204.84	3,116.76
65 mph	16.07	0.05	4.59	5.20	77.60	54.58	-	-	158.09
70 mph	-	-	-	-	-	-	-	-	-
total	1,606.71	4.89	458.70	520.48	7,759.60	5,458.22	21,574.41	40,161.33	77,544.34

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	6.64	0.02	1.90	4.50	83.20	58.52	-	-	154.77
15 mph	6.64	0.02	1.90	4.50	83.20	58.52	-	-	154.77
20 mph	6.64	0.02	1.90	4.50	83.20	58.52	1,555.73	2,896.04	4,606.55
25 mph	13.29	0.04	3.79	8.99	166.39	117.04	2,722.53	5,068.07	8,100.15
30 mph	26.58	0.08	7.59	17.98	332.79	234.09	4,667.20	8,688.12	13,974.41
35 mph	59.80	0.18	17.07	40.46	748.77	526.69	4,667.20	8,688.12	14,748.28
40 mph	66.44	0.20	18.97	44.95	831.96	585.22	4,278.27	7,964.11	13,790.12
45 mph	53.15	0.16	15.17	35.96	665.57	468.17	3,111.47	5,792.08	10,141.74
50 mph	59.80	0.18	17.07	40.46	748.77	526.69	1,555.73	2,896.04	5,844.74
55 mph	33.22	0.10	9.48	22.48	415.98	292.61	777.87	1,448.02	2,999.76
60 mph	19.93	0.06	5.69	13.49	249.59	175.56	54,450.67	101,361.34	156,276.34
65 mph	6.64	0.02	1.90	4.50	83.20	58.52	-	-	154.77
70 mph	305.63	0.93	87.26	206.78	3,827.03	2,691.99	-	-	7,119.62
total	664.42	2.02	189.69	449.51	8,319.63	5,852.15	77,786.68	144,801.92	238,066.02

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	47.10	33.13	141.44	263.30	484.97
15 mph	53.55	0.16	15.29	15.07	236.46	166.33	689.50	1,283.53	2,459.90
25 mph	-	-	-	-	449.09	315.90	3,017.24	5,616.67	9,398.90
35 mph	230.41	0.70	65.78	59.59	-	-	-	-	356.47
total	283.96	0.86	81.07	74.66	685.55	482.23	3,706.74	6,900.20	12,215.26

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	47.10	33.13	141.44	263.30	484.97
10 mph	86.98	0.26	24.83	30.52	471.18	331.43	1,294.46	2,409.68	4,649.35
15 mph	92.33	0.28	26.36	29.98	474.85	334.02	1,120.99	2,086.75	4,165.56
20 mph	70.91	0.22	20.24	25.31	393.58	276.85	2,418.71	4,502.49	7,708.32
25 mph	334.63	1.02	95.53	113.09	2,167.40	1,524.58	10,486.14	19,520.23	34,242.63
30 mph	380.05	1.16	108.50	132.49	2,039.90	1,434.89	8,982.08	16,720.38	29,799.45
35 mph	579.41	1.76	165.42	193.73	2,145.49	1,509.17	6,608.90	12,302.63	23,506.52
40 mph	162.84	0.50	46.49	76.18	1,297.54	912.71	6,435.71	11,980.24	20,912.20
45 mph	133.49	0.41	38.11	61.99	1,053.55	741.08	4,837.42	9,004.98	15,871.03
50 mph	140.13	0.43	40.01	66.48	1,136.75	799.60	4,360.41	8,117.01	14,660.82
55 mph	97.49	0.30	27.83	43.29	726.37	510.94	1,425.10	2,652.86	5,484.17
60 mph	148.47	0.45	42.39	55.12	870.36	612.22	55,097.91	102,566.18	159,393.10
65 mph	22.71	0.07	6.48	9.70	160.79	113.10	-	-	312.86
70 mph	305.63	0.93	87.26	206.78	3,827.03	2,691.99	-	-	7,119.62
total	2,555.08	7.77	729.45	1,044.65	16,764.79	11,792.60	103,067.83	191,863.44	327,825.62

Surface Street VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	430.66	31.77	159.02	55.01	-	-	-	168.04	844.50
15 mph	172.27	12.71	63.61	22.00	-	-	-	56.01	326.60
20 mph	344.53	25.42	127.21	44.01	-	-	-	112.03	653.20
25 mph	1,722.66	127.10	636.07	220.04	-	-	-	616.14	3,322.00
30 mph	1,894.92	139.81	699.67	242.04	-	-	-	560.13	3,536.58
35 mph	1,550.39	114.39	572.46	198.04	-	-	-	252.06	2,687.34
40 mph	516.80	38.13	190.82	66.01	-	-	-	280.06	1,091.82
45 mph	430.66	31.77	159.02	55.01	-	-	-	224.05	900.52
50 mph	430.66	31.77	159.02	55.01	-	-	-	364.08	1,040.55
55 mph	344.53	25.42	127.21	44.01	-	-	-	84.02	625.19
60 mph	689.06	50.84	254.43	88.02	-	-	-	84.02	1,166.36
65 mph	86.13	6.35	31.80	11.00	-	-	-	-	135.29
70 mph	-	-	-	-	-	-	-	-	-
total	8,613.29	635.49	3,180.33	1,100.20	-	-	-	2,800.64	16,329.96

Freeway VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	35.62	2.63	13.15	9.50	-	-	-	-	60.90
15 mph	35.62	2.63	13.15	9.50	-	-	-	-	60.90
20 mph	35.62	2.63	13.15	9.50	-	-	-	201.95	262.85
25 mph	71.24	5.26	26.30	19.00	-	-	-	353.42	475.22
30 mph	142.47	10.51	52.61	38.01	-	-	-	605.86	849.46
35 mph	320.57	23.65	118.36	85.52	-	-	-	605.86	1,153.96
40 mph	356.18	26.28	131.52	95.02	-	-	-	555.37	1,164.37
45 mph	284.95	21.02	105.21	76.02	-	-	-	403.91	891.11
50 mph	320.57	23.65	118.36	85.52	-	-	-	201.95	750.05
55 mph	178.09	13.14	65.76	47.51	-	-	-	100.98	405.48
60 mph	106.86	7.88	39.45	28.51	-	-	-	7,068.40	7,251.10
65 mph	35.62	2.63	13.15	9.50	-	-	-	-	60.90
70 mph	1,638.44	120.89	604.97	437.09	-	-	-	-	2,801.39
total	3,561.84	262.79	1,315.16	950.19	-	-	-	10,097.71	16,187.69

Internal VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	18.36	18.36
15 mph	287.07	21.18	106.00	31.86	-	-	-	89.51	535.61
25 mph	-	-	-	-	-	-	-	391.68	391.68
35 mph	1,235.16	91.13	456.07	-	-	-	-	-	1,782.36
total	1,522.23	112.31	562.06	31.86	-	-	-	481.18	2,709.65

Total VMT Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	18.36	18.36
10 mph	466.28	34.40	172.17	64.51	-	-	-	168.04	905.40
15 mph	494.96	36.52	182.76	63.36	-	-	-	145.52	923.11
20 mph	380.15	28.05	140.36	53.51	-	-	-	313.98	916.05
25 mph	1,793.90	132.35	662.37	239.04	-	-	-	1,361.24	4,188.90
30 mph	2,037.40	150.32	752.28	280.05	-	-	-	1,165.99	4,386.04
35 mph	3,106.12	229.17	1,146.89	283.55	-	-	-	857.92	5,623.66
40 mph	872.98	64.41	322.34	161.03	-	-	-	835.44	2,256.19
45 mph	715.61	52.80	264.23	131.03	-	-	-	627.96	1,791.62
50 mph	751.23	55.43	277.38	140.53	-	-	-	566.04	1,790.60
55 mph	522.62	38.56	192.97	91.52	-	-	-	185.00	1,030.67
60 mph	795.92	58.72	293.88	116.52	-	-	-	7,152.42	8,417.46
65 mph	121.75	8.98	44.95	20.50	-	-	-	-	196.19
70 mph	1,638.44	120.89	604.97	437.09	-	-	-	-	2,801.39
total	8,278.80	610.82	3,056.83	984.04	-	-	-	4,012.68	35,227.30

World Logistics Center
Mobile Emissions - Medium EV 2034 (Net) - Mitigated
Area Source Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	26025	330	0.21	5465.2	5126.4	53.0	284.2
	LDT1	15	1920	330	0.21	403.2	382.3	0.2	21.0
	LDT2	15	9609	330	0.21	2018.0	1896.9	15.1	104.9
	MDT	15	2895	330	0.21	608.0	561.2	15.0	31.6
	LHDT1	15	2544	330	0.21	534.2	298.4	235.8	0.0
	LHDT2	15	1223	330	0.21	256.8	91.0	165.9	0.0
	MHDT	15	3894	330	0.21	817.8	133.5	684.2	0.0
	HHDT	15	6493	330	0.21	1363.6	1.1	1273.7	88.8
Travel at Light Logistics	LDA	15	187	175	0.11	20.6	19.3	0.2	1.1
	LDT1	15	14	175	0.11	1.5	1.4	0.0	0.1
	LDT2	15	69	175	0.11	7.6	7.1	0.1	0.4
	MDT	15	17	175	0.11	1.9	1.8	0.0	0.1
	LHDT1	15	10	175	0.11	1.1	0.6	0.5	0.0
	LHDT2	15	5	175	0.11	0.5	0.2	0.3	0.0
	MHDT	15	13	175	0.11	1.4	0.2	1.2	0.0
	HHDT	15	21	175	0.11	2.3	0.0	2.2	0.2
Travel at Utility	LDA	15	212	100	0.06	12.7	11.9	0.1	0.7
	LDT1	15	16	100	0.06	0.9	0.9	0.0	0.0
	LDT2	15	78	100	0.06	4.7	4.4	0.0	0.2
	MDT	15	45	100	0.06	2.7	2.5	0.1	0.1
	LHDT1	15	7	100	0.06	0.4	0.2	0.2	0.0
	LHDT2	15	3	100	0.06	0.2	0.1	0.1	0.0
	MHDT	15	13	100	0.06	0.8	0.1	0.7	0.0
	HHDT	15	22	100	0.06	1.3	0.0	1.2	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	137	50	0.03	4.1	0.7	3.4	0.0
	HHDT	15	229	50	0.03	6.9	0.0	6.4	0.4
Travel at Convenience Store	LDA	15	646	50	0.03	19.4	18.2	0.2	1.0
	LDT1	15	48	50	0.03	1.4	1.4	0.0	0.1
	LDT2	15	239	50	0.03	7.2	6.7	0.1	0.4
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	92	50	0.03	2.7	2.6	0.0	0.1
	LDT1	15	7	50	0.03	0.2	0.2	0.0	0.0
	LDT2	15	34	50	0.03	1.0	1.0	0.0	0.1
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5178.3	386.1	1916.1	565.5	299.2	91.2	134.6	1.1
Diesel	53.5	0.2	15.3	15.1	236.5	166.3	689.5	1283.5
Electric/Natural Gas (HHDT Only)	287.1	21.2	106.0	31.9	0.0	0.0	0.0	89.5

World Logistics Center
Mobile Emissions - Medium EV 2034 (Net) - Mitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	1272	710	561	0	3552.3	2807.0	0.0
	LHDT2	5	611	217	395	0	1082.9	1974.5	0.0
	MHDT	5	1947	318	1629	0	1589.8	8145.7	0.0
	HHDT	5	3247	3	3033	211	12.6	15163.4	1057.4
Travel at Light Logistics	LHDT1	5	5	3	2	0	14.3	11.3	0.0
	LHDT2	5	2	1	2	0	4.3	7.9	0.0
	MHDT	5	6	1	5	0	5.1	26.3	0.0
	HHDT	5	11	0	10	1	0.0	49.0	3.4
Travel at Utility	LHDT1	5	3	2	2	0	9.6	7.6	0.0
	LHDT2	5	2	1	1	0	2.9	5.3	0.0
	MHDT	5	7	1	5	0	5.4	27.4	0.0
	HHDT	5	11	0	10	1	0.0	51.1	3.6
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	69	11	57	0	56.1	287.2	0.0
	HHDT	5	114	0	107	7	0.4	534.6	37.3
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	59.6	18.2	27.6	0.3
Diesel	47.1	33.1	141.4	263.3
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	18.4

World Logistics Center
Mobile Emissions - Medium EV 2034 (Net) - Mitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0353	0.0340	0.0344	0.0355
10 mph	0.0031	0.0036	0.0033	0.0034	0.0045	0.0043	0.0044	0.0045
15 mph	0.0020	0.0024	0.0022	0.0022	0.0030	0.0029	0.0029	0.0030
20 mph	0.0014	0.0017	0.0015	0.0016	0.0021	0.0020	0.0020	0.0021
25 mph	0.0011	0.0013	0.0011	0.0012	0.0015	0.0015	0.0015	0.0015
30 mph	0.0008	0.0010	0.0009	0.0009	0.0012	0.0011	0.0012	0.0012
35 mph	0.0007	0.0008	0.0007	0.0007	0.0010	0.0009	0.0010	0.0010
40 mph	0.0006	0.0007	0.0006	0.0006	0.0009	0.0008	0.0008	0.0009
45 mph	0.0005	0.0006	0.0006	0.0006	0.0008	0.0007	0.0008	0.0008
50 mph	0.0005	0.0006	0.0005	0.0006	0.0008	0.0007	0.0007	0.0008
55 mph	0.0005	0.0006	0.0006	0.0006	0.0008	0.0007	0.0007	0.0008
60 mph	0.0006	0.0007	0.0006	0.0006	0.0008	0.0008	0.0008	0.0008
65 mph	0.0006	0.0008	0.0007	0.0007	0.0009	0.0009		
70 mph	0.0007	0.0008	0.0007	0.0008	0.0010	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7599	0.7626	0.0070	0.0096
10 mph	0.0032	0.0484	0.0084	0.0033	0.0165	0.0277	0.0041	0.0102
15 mph	0.0027	0.0364	0.0073	0.0028	0.0133	0.0231	0.0032	0.0079
20 mph	0.0022	0.0283	0.0062	0.0024	0.0112	0.0196	0.0028	0.0058
25 mph	0.0019	0.0227	0.0053	0.0020	0.0095	0.0166	0.0026	0.0059
30 mph	0.0016	0.0189	0.0047	0.0018	0.0084	0.0147	0.0029	0.0065
35 mph	0.0015	0.0164	0.0043	0.0016	0.0076	0.0133	0.0035	0.0078
40 mph	0.0013	0.0150	0.0039	0.0015	0.0070	0.0122	0.0044	0.0101
45 mph	0.0013	0.0142	0.0036	0.0014	0.0066	0.0114	0.0058	0.0131
50 mph	0.0012	0.0139	0.0034	0.0013	0.0063	0.0108	0.0075	0.0169
55 mph	0.0011	0.0144	0.0032	0.0012	0.0060	0.0102	0.0095	0.0221
60 mph	0.0011	0.0154	0.0031	0.0012	0.0060	0.0101	0.0119	0.0272
65 mph	0.0012	0.0170	0.0031	0.0013	0.0063	0.0105		
70 mph	0.0012	0.0172	0.0031	0.0014	0.0088	0.0124		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0229
10 mph								0.0053
15 mph								0.0045
20 mph								0.0039
25 mph								0.0035
30 mph								0.0032
35 mph								0.0030
40 mph								0.0029
45 mph								0.0028
50 mph								0.0028
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0526	0.0046	0.0207	0.0072	0.0048	0.0014	0.0024	0.0000	0.0939
15 mph	0.0139	0.0012	0.0055	0.0019	0.0013	0.0004	0.0005	0.0000	0.0248
20 mph	0.0195	0.0017	0.0077	0.0027	0.0018	0.0005	0.0008	0.0000	0.0348
25 mph	0.0721	0.0064	0.0285	0.0100	0.0066	0.0019	0.0031	0.0000	0.1287
30 mph	0.0618	0.0055	0.0244	0.0085	0.0057	0.0017	0.0022	0.0000	0.1098
35 mph	0.0416	0.0037	0.0164	0.0057	0.0038	0.0011	0.0008	0.0000	0.0731
40 mph	0.0120	0.0011	0.0047	0.0017	0.0011	0.0003	0.0008	0.0000	0.0217
45 mph	0.0092	0.0008	0.0036	0.0013	0.0008	0.0002	0.0006	0.0000	0.0165
50 mph	0.0088	0.0008	0.0035	0.0012	0.0008	0.0002	0.0009	0.0000	0.0163
55 mph	0.0072	0.0006	0.0028	0.0010	0.0007	0.0002	0.0002	0.0000	0.0128
60 mph	0.0155	0.0014	0.0061	0.0021	0.0014	0.0004	0.0002	0.0000	0.0271
65 mph	0.0022	0.0002	0.0009	0.0003	0.0002	0.0001	-	-	0.0038
70 mph	-	-	-	-	-	-	-	-	-
total	0.3164	0.0281	0.1249	0.0436	0.0291	0.0085	0.0124	0.0001	0.5632

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0043	0.0004	0.0017	0.0012	0.0010	0.0003	-	-	0.0090
15 mph	0.0029	0.0003	0.0011	0.0008	0.0007	0.0002	-	-	0.0060
20 mph	0.0020	0.0002	0.0008	0.0006	0.0005	0.0001	0.0014	0.0000	0.0056
25 mph	0.0030	0.0003	0.0012	0.0009	0.0007	0.0002	0.0018	0.0000	0.0080
30 mph	0.0046	0.0004	0.0018	0.0013	0.0011	0.0003	0.0023	0.0000	0.0120
35 mph	0.0086	0.0008	0.0034	0.0025	0.0020	0.0006	0.0019	0.0000	0.0198
40 mph	0.0083	0.0007	0.0033	0.0024	0.0020	0.0006	0.0015	0.0000	0.0188
45 mph	0.0061	0.0005	0.0024	0.0017	0.0014	0.0004	0.0010	0.0000	0.0136
50 mph	0.0066	0.0006	0.0026	0.0019	0.0016	0.0005	0.0005	0.0000	0.0142
55 mph	0.0037	0.0003	0.0015	0.0011	0.0009	0.0003	0.0002	0.0000	0.0080
60 mph	0.0024	0.0002	0.0009	0.0007	0.0006	0.0002	0.0188	0.0002	0.0240
65 mph	0.0009	0.0001	0.0004	0.0003	0.0002	0.0001	-	-	0.0019
70 mph	0.0459	0.0040	0.0176	0.0130	0.0108	0.0032	-	-	0.0945
total	0.0993	0.0087	0.0387	0.0284	0.0235	0.0069	0.0294	0.0002	0.2353

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0046	0.0014	0.0021	0.0000	0.0081
15 mph	0.0232	0.0021	0.0092	0.0028	0.0020	0.0006	0.0009	0.0000	0.0406
25 mph	-	-	-	-	0.0019	0.0006	0.0019	0.0000	0.0044
35 mph	0.0331	0.0029	0.0131	0.0036	-	-	-	-	0.0528
total	0.0563	0.0050	0.0222	0.0064	0.0085	0.0025	0.0049	0.0000	0.1060

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0046	0.0014	0.0021	0.0000	0.0081
10 mph	0.0569	0.0050	0.0225	0.0085	0.0059	0.0017	0.0024	0.0000	0.1029
15 mph	0.0401	0.0036	0.0158	0.0055	0.0039	0.0012	0.0014	0.0000	0.0715
20 mph	0.0216	0.0019	0.0085	0.0033	0.0023	0.0007	0.0021	0.0000	0.0403
25 mph	0.0751	0.0067	0.0297	0.0108	0.0093	0.0027	0.0067	0.0001	0.1411
30 mph	0.0665	0.0059	0.0263	0.0099	0.0068	0.0020	0.0045	0.0000	0.1218
35 mph	0.0833	0.0074	0.0328	0.0119	0.0059	0.0017	0.0027	0.0000	0.1457
40 mph	0.0203	0.0018	0.0080	0.0040	0.0031	0.0009	0.0023	0.0000	0.0405
45 mph	0.0152	0.0014	0.0060	0.0030	0.0023	0.0007	0.0016	0.0000	0.0301
50 mph	0.0154	0.0014	0.0061	0.0031	0.0024	0.0007	0.0014	0.0000	0.0305
55 mph	0.0109	0.0010	0.0043	0.0021	0.0016	0.0005	0.0005	0.0000	0.0208
60 mph	0.0179	0.0016	0.0070	0.0028	0.0020	0.0006	0.0190	0.0002	0.0511
65 mph	0.0031	0.0003	0.0012	0.0006	0.0004	0.0001	-	-	0.0057
70 mph	0.0459	0.0040	0.0176	0.0130	0.0108	0.0032	-	-	0.0945
total	0.4721	0.0419	0.1859	0.0785	0.0611	0.0179	0.0467	0.0004	0.9045

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0004	0.0002	0.0141	0.0167	0.0117	0.0541	0.0977
15 mph	0.0002	0.0000	0.0001	0.0001	0.0046	0.0056	0.0031	0.0140	0.0276
20 mph	0.0003	0.0000	0.0003	0.0001	0.0077	0.0094	0.0052	0.0205	0.0435
25 mph	0.0013	0.0000	0.0011	0.0005	0.0324	0.0399	0.0275	0.1153	0.2181
30 mph	0.0013	0.0000	0.0010	0.0005	0.0315	0.0388	0.0273	0.1143	0.2147
35 mph	0.0009	0.0000	0.0008	0.0003	0.0235	0.0287	0.0149	0.0623	0.1315
40 mph	0.0003	0.0000	0.0002	0.0001	0.0072	0.0088	0.0211	0.0890	0.1268
45 mph	0.0002	0.0000	0.0002	0.0001	0.0057	0.0069	0.0219	0.0930	0.1279
50 mph	0.0002	0.0000	0.0002	0.0001	0.0054	0.0065	0.0462	0.1940	0.2525
55 mph	0.0002	0.0000	0.0001	0.0001	0.0041	0.0049	0.0136	0.0586	0.0816
60 mph	0.0003	0.0000	0.0003	0.0001	0.0082	0.0097	0.0170	0.0724	0.1081
65 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0013	-	-	0.0024
70 mph	-	-	-	-	-	-	-	-	-
total	0.0059	0.0002	0.0047	0.0020	0.1454	0.1772	0.2095	0.8876	1.4325

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0030	0.0036	-	-	0.0067
15 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0030	-	-	0.0055
20 mph	0.0000	0.0000	0.0000	0.0000	0.0021	0.0025	0.0094	0.0370	0.0511
25 mph	0.0001	0.0000	0.0000	0.0000	0.0035	0.0043	0.0158	0.0661	0.0898
30 mph	0.0001	0.0000	0.0001	0.0001	0.0061	0.0076	0.0295	0.1237	0.1671
35 mph	0.0002	0.0000	0.0002	0.0001	0.0126	0.0154	0.0357	0.1498	0.2140
40 mph	0.0002	0.0000	0.0002	0.0001	0.0129	0.0158	0.0418	0.1765	0.2475
45 mph	0.0001	0.0000	0.0001	0.0001	0.0097	0.0118	0.0395	0.1677	0.2290
50 mph	0.0002	0.0000	0.0001	0.0001	0.0104	0.0125	0.0256	0.1076	0.1566
55 mph	0.0001	0.0000	0.0001	0.0001	0.0055	0.0066	0.0163	0.0704	0.0991
60 mph	0.0000	0.0000	0.0000	0.0000	0.0033	0.0039	1.4342	6.0901	7.5316
65 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0013	-	-	0.0026
70 mph	0.0008	0.0000	0.0006	0.0006	0.0745	0.0738	-	-	0.1504
total	0.0019	0.0001	0.0015	0.0014	0.1472	0.1620	1.6479	6.9889	8.9510

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0789	0.0557	0.0022	0.0056	0.1424
15 mph	0.0003	0.0000	0.0002	0.0001	0.0069	0.0085	0.0049	0.0223	0.0434
25 mph	-	-	-	-	0.0094	0.0116	0.0175	0.0733	0.1117
35 mph	0.0007	0.0000	0.0006	0.0002	-	-	-	-	0.0016
total	0.0011	0.0000	0.0009	0.0003	0.0952	0.0758	0.0246	0.1012	0.2991

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0789	0.0557	0.0022	0.0056	0.1424
10 mph	0.0006	0.0000	0.0005	0.0002	0.0171	0.0202	0.0117	0.0541	0.1045
15 mph	0.0005	0.0000	0.0004	0.0002	0.0139	0.0170	0.0080	0.0363	0.0765
20 mph	0.0003	0.0000	0.0003	0.0001	0.0098	0.0119	0.0147	0.0575	0.0946
25 mph	0.0014	0.0001	0.0011	0.0005	0.0452	0.0558	0.0607	0.2547	0.4196
30 mph	0.0014	0.0000	0.0011	0.0005	0.0376	0.0464	0.0568	0.2380	0.3819
35 mph	0.0019	0.0001	0.0016	0.0007	0.0361	0.0442	0.0506	0.2121	0.3471
40 mph	0.0005	0.0000	0.0004	0.0002	0.0202	0.0246	0.0629	0.2655	0.3743
45 mph	0.0004	0.0000	0.0003	0.0002	0.0154	0.0186	0.0615	0.2607	0.3570
50 mph	0.0004	0.0000	0.0003	0.0002	0.0158	0.0190	0.0717	0.3017	0.4091
55 mph	0.0002	0.0000	0.0002	0.0001	0.0096	0.0115	0.0299	0.1291	0.1807
60 mph	0.0004	0.0000	0.0003	0.0001	0.0115	0.0137	1.4512	6.1624	7.6396
65 mph	0.0001	0.0000	0.0000	0.0000	0.0022	0.0026	-	-	0.0050
70 mph	0.0008	0.0000	0.0006	0.0006	0.0745	0.0738	-	-	0.1504
total	0.0088	0.0003	0.0071	0.0038	0.3879	0.4150	1.8820	7.9777	10.6826

PM2.5 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0020	0.0020
15 mph								0.0006	0.0006
20 mph								0.0010	0.0010
25 mph								0.0048	0.0048
30 mph								0.0040	0.0040
35 mph								0.0017	0.0017
40 mph								0.0018	0.0018
45 mph								0.0014	0.0014
50 mph								0.0022	0.0022
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0193	0.0193

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0017	0.0017
25 mph								0.0027	0.0027
30 mph								0.0043	0.0043
35 mph								0.0041	0.0041
40 mph								0.0036	0.0036
45 mph								0.0025	0.0025
50 mph								0.0012	0.0012
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0129	0.0129

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
15 mph								0.0009	0.0009
25 mph								0.0030	0.0030
35 mph								-	-
total	-	-	-	-	-	-	-	0.0048	0.0048

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
10 mph								0.0020	0.0020
15 mph								0.0014	0.0014
20 mph								0.0027	0.0027
25 mph								0.0105	0.0105
30 mph								0.0083	0.0083
35 mph								0.0058	0.0058
40 mph								0.0053	0.0053
45 mph								0.0039	0.0039
50 mph								0.0034	0.0034
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0443	0.0443

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0836	0.0571	0.0043	0.0065	0.1514
10 mph	0.0575	0.0051	0.0229	0.0087	0.0230	0.0219	0.0141	0.0561	0.2093
15 mph	0.0406	0.0036	0.0163	0.0057	0.0179	0.0182	0.0094	0.0378	0.1494
20 mph	0.0219	0.0019	0.0088	0.0034	0.0120	0.0126	0.0168	0.0602	0.1377
25 mph	0.0765	0.0067	0.0308	0.0113	0.0545	0.0585	0.0675	0.2653	0.5712
30 mph	0.0678	0.0060	0.0274	0.0104	0.0444	0.0483	0.0613	0.2464	0.5120
35 mph	0.0851	0.0075	0.0344	0.0126	0.0420	0.0459	0.0533	0.2179	0.4986
40 mph	0.0208	0.0018	0.0084	0.0043	0.0232	0.0255	0.0652	0.2709	0.4201
45 mph	0.0156	0.0014	0.0063	0.0032	0.0176	0.0193	0.0631	0.2646	0.3910
50 mph	0.0158	0.0014	0.0064	0.0033	0.0182	0.0197	0.0731	0.3051	0.4430
55 mph	0.0112	0.0010	0.0045	0.0022	0.0112	0.0120	0.0304	0.1291	0.2015
60 mph	0.0183	0.0016	0.0073	0.0030	0.0135	0.0142	1.4703	6.1626	7.6908
65 mph	0.0032	0.0003	0.0013	0.0006	0.0027	0.0027	-	-	0.0107
70 mph	0.0467	0.0040	0.0182	0.0136	0.0853	0.0769	-	-	0.2448
STREX	0.0093	0.0008	0.0036	0.0055	0.0006	0.0002	0.0004	0.0000	0.0204
total	0.4903	0.0430	0.1965	0.0878	0.4496	0.4330	1.9291	8.0224	**11.6518**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0010	0.0011	0.0010	0.0011	0.0003	0.0003	0.0004	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0093	0.0008	0.0036	0.0055	0.0006	0.0002	0.0004	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0093	0.0008	0.0036	0.0055	0.0006	0.0002	0.0004	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	6.0810	0.4534	2.2501	0.7643	0.7527	0.2655	0.5465	0.0023
Diesel	0.0629	0.0002	0.0180	0.0204	0.6119	0.4961	2.8001	3.0907
Electric/NG	0.3371	0.0249	0.1245	0.0431	-	-	-	0.2190
Total	6.4810	0.4785	2.3925	0.8278	1.3645	0.7616	3.3466	3.3120

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.5147	0.1875	0.9305	0.6601	0.8070	0.2847	1.9704	0.0084
Diesel	0.0260	0.0001	0.0074	0.0176	0.6560	0.5319	10.0956	11.1434
Electric/NG	0.1394	0.0103	0.0515	0.0372	-	-	-	0.7895
Total	2.6801	0.1979	0.9894	0.7149	1.4630	0.8166	12.0660	11.9413

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	1.0747	0.0801	0.3977	0.1096	0.0665	0.0235	0.0939	0.0004
Diesel	0.0111	0.0000	0.0032	0.0029	0.0541	0.0438	0.4811	0.5310
Electric/NG	0.0596	0.0044	0.0220	0.0012	-	-	-	0.0376
Total	1.1454	0.0846	0.4228	0.1138	0.1206	0.0673	0.5750	0.5690

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	9.6704	0.7211	3.5783	1.5341	1.6261	0.5736	2.6108	0.0111	20.3254
Diesel	0.1000	0.0003	0.0285	0.0409	1.3219	1.0718	13.3768	14.7651	30.7054
Electric/NG	0.5361	0.0396	0.1979	0.0815	-	-	-	1.0461	1.9012
Total	10.3065	0.7610	3.8048	1.6565	2.9480	1.6454	15.9876	15.8223	**52.9320**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	31.7691
Internal	22.3636
Total	**54.1328**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0643	0.0439	0.0033	0.0050	0.1166
10 mph	0.0368	0.0032	0.0147	0.0056	0.0177	0.0169	0.0109	0.0432	0.1489
15 mph	0.0260	0.0023	0.0104	0.0037	0.0138	0.0140	0.0072	0.0291	0.1064
20 mph	0.0140	0.0012	0.0056	0.0022	0.0093	0.0097	0.0129	0.0463	0.1013
25 mph	0.0490	0.0043	0.0197	0.0072	0.0420	0.0450	0.0520	0.2043	0.4235
30 mph	0.0434	0.0038	0.0175	0.0067	0.0342	0.0372	0.0472	0.1897	0.3798
35 mph	0.0545	0.0048	0.0220	0.0080	0.0323	0.0353	0.0410	0.1678	0.3658
40 mph	0.0133	0.0012	0.0054	0.0027	0.0179	0.0196	0.0502	0.2086	0.3189
45 mph	0.0100	0.0009	0.0040	0.0020	0.0136	0.0148	0.0486	0.2037	0.2976
50 mph	0.0101	0.0009	0.0041	0.0021	0.0140	0.0152	0.0563	0.2349	0.3376
55 mph	0.0072	0.0006	0.0029	0.0014	0.0086	0.0092	0.0234	0.0994	0.1527
60 mph	0.0117	0.0010	0.0047	0.0019	0.0104	0.0110	1.1321	4.7452	5.9180
65 mph	0.0020	0.0002	0.0008	0.0004	0.0021	0.0021	-	-	0.0075
70 mph	0.0299	0.0026	0.0117	0.0087	0.0657	0.0592	-	-	0.1778
total	0.3078	0.0270	0.1235	0.0527	0.3458	0.3333	1.4851	6.1772	8.8524

World Logistics Center
Mobile Emissions - Medium EV 2034 (Net) - Mitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0047	0.0058	0.0055	0.0059	0.0071	0.0080	0.0149	0.2044
15 mph	0.0041	0.0051	0.0048	0.0052	0.0062	0.0070	0.0131	0.1804
20 mph	0.0037	0.0046	0.0043	0.0046	0.0056	0.0063	0.0118	0.1620
25 mph	0.0033	0.0042	0.0039	0.0042	0.0051	0.0057	0.0107	0.1479
30 mph	0.0031	0.0039	0.0036	0.0039	0.0048	0.0053	0.0099	0.1373
35 mph	0.0029	0.0036	0.0034	0.0037	0.0045	0.0050	0.0093	0.1294
40 mph	0.0028	0.0035	0.0033	0.0035	0.0043	0.0048	0.0089	0.1236
45 mph	0.0027	0.0034	0.0032	0.0034	0.0042	0.0047	0.0086	0.1200
50 mph	0.0027	0.0034	0.0031	0.0034	0.0042	0.0046	0.0085	0.1186
55 mph	0.0027	0.0034	0.0032	0.0035	0.0042	0.0047	0.0086	0.1196
60 mph	0.0028	0.0036	0.0033	0.0036	0.0044	0.0049	0.0088	0.1235
65 mph	0.0030	0.0038	0.0035	0.0038	0.0046	0.0051	0.0093	0.1298
70 mph	0.0031	0.0040	0.0036	0.0040	0.0050	0.0052	0.0091	0.1356

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0536	0.1100	0.0716	0.0890	0.1337	0.1497	0.2589	0.3710
15 mph	0.0441	0.0915	0.0594	0.0755	0.0871	0.0994	0.2036	0.2884
20 mph	0.0361	0.0751	0.0488	0.0627	0.0743	0.0849	0.1739	0.2490
25 mph	0.0303	0.0627	0.0409	0.0531	0.0659	0.0756	0.1518	0.2071
30 mph	0.0263	0.0539	0.0354	0.0459	0.0599	0.0682	0.1332	0.1820
35 mph	0.0237	0.0483	0.0319	0.0417	0.0600	0.0683	0.1190	0.1629
40 mph	0.0222	0.0450	0.0298	0.0390	0.0584	0.0659	0.1091	0.1497
45 mph	0.0215	0.0434	0.0287	0.0375	0.0570	0.0634	0.1034	0.1424
50 mph	0.0215	0.0434	0.0287	0.0377	0.0598	0.0658	0.1021	0.1400
55 mph	0.0225	0.0454	0.0301	0.0398	0.0624	0.0680	0.1050	0.1457
60 mph	0.0244	0.0493	0.0326	0.0431	0.0630	0.0682	0.1122	0.1545
65 mph	0.0274	0.0549	0.0366	0.0484	0.0639	0.0685	0.1237	0.1675
70 mph	0.0298	0.0572	0.0393	0.0526	0.0647	0.0695	0.1249	0.1703

*US EPA Emission Factors for Greenhouse Gas Inventories.
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.8276
15 mph								0.6944
20 mph								0.6063
25 mph								0.5591
30 mph								0.5290
35 mph								0.5051
40 mph								0.4855
45 mph								0.4691
50 mph								0.4549
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0797	0.0075	0.0348	0.0128	0.0077	0.0026	0.0083	0.0009	0.1542
15 mph	0.0279	0.0026	0.0122	0.0045	0.0027	0.0009	0.0024	0.0003	0.0535
20 mph	0.0502	0.0047	0.0219	0.0080	0.0049	0.0017	0.0044	0.0005	0.0962
25 mph	0.2295	0.0213	0.0995	0.0365	0.0222	0.0076	0.0219	0.0024	0.4409
30 mph	0.2349	0.0217	0.1015	0.0372	0.0228	0.0077	0.0184	0.0020	0.4463
35 mph	0.1817	0.0168	0.0782	0.0288	0.0177	0.0060	0.0078	0.0009	0.3378
40 mph	0.0579	0.0053	0.0249	0.0092	0.0057	0.0019	0.0083	0.0009	0.1140
45 mph	0.0467	0.0043	0.0201	0.0074	0.0046	0.0015	0.0064	0.0007	0.0917
50 mph	0.0462	0.0043	0.0199	0.0073	0.0045	0.0015	0.0102	0.0011	0.0951
55 mph	0.0373	0.0035	0.0161	0.0060	0.0037	0.0012	0.0024	0.0003	0.0705
60 mph	0.0776	0.0073	0.0336	0.0124	0.0076	0.0026	0.0025	0.0003	0.1438
65 mph	0.0102	0.0010	0.0044	0.0016	0.0010	0.0003	-	-	0.0185
70 mph	-	-	-	-	-	-	-	-	-
total	1.0798	0.1003	0.4670	0.1716	0.1051	0.0356	0.0928	0.0102	2.0624

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0066	0.0006	0.0029	0.0022	0.0017	0.0006	-	-	0.0145
15 mph	0.0058	0.0005	0.0025	0.0019	0.0014	0.0005	-	-	0.0127
20 mph	0.0052	0.0005	0.0023	0.0017	0.0013	0.0004	0.0079	0.0009	0.0202
25 mph	0.0095	0.0009	0.0041	0.0031	0.0024	0.0008	0.0126	0.0014	0.0348
30 mph	0.0177	0.0016	0.0076	0.0058	0.0044	0.0015	0.0199	0.0022	0.0608
35 mph	0.0376	0.0035	0.0162	0.0124	0.0095	0.0032	0.0187	0.0021	0.1031
40 mph	0.0399	0.0037	0.0171	0.0132	0.0101	0.0034	0.0164	0.0018	0.1056
45 mph	0.0309	0.0029	0.0133	0.0102	0.0079	0.0027	0.0115	0.0013	0.0805
50 mph	0.0344	0.0032	0.0148	0.0114	0.0088	0.0029	0.0057	0.0006	0.0817
55 mph	0.0193	0.0018	0.0083	0.0064	0.0049	0.0017	0.0029	0.0003	0.0456
60 mph	0.0120	0.0011	0.0052	0.0040	0.0031	0.0010	0.2072	0.0230	0.2567
65 mph	0.0042	0.0004	0.0018	0.0014	0.0011	0.0004	-	-	0.0093
70 mph	0.2046	0.0196	0.0869	0.0691	0.0533	0.0171	-	-	0.4506
total	0.4276	0.0403	0.1831	0.1430	0.1098	0.0362	0.3027	0.0335	1.2761

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0018	0.0005	0.0008	0.0000	0.0031
15 mph	0.0465	0.0044	0.0203	0.0065	0.0041	0.0014	0.0039	0.0004	0.0875
25 mph	-	-	-	-	0.0064	0.0022	0.0139	0.0015	0.0241
35 mph	0.1448	0.0134	0.0623	0.0183	-	-	-	-	0.2387
total	0.1913	0.0177	0.0826	0.0248	0.0123	0.0041	0.0186	0.0020	0.3534

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0018	0.0005	0.0008	0.0000	0.0031
10 mph	0.0863	0.0081	0.0377	0.0150	0.0094	0.0032	0.0083	0.0009	0.1687
15 mph	0.0803	0.0075	0.0350	0.0129	0.0083	0.0028	0.0063	0.0007	0.1537
20 mph	0.0554	0.0052	0.0241	0.0097	0.0062	0.0021	0.0123	0.0013	0.1164
25 mph	0.2390	0.0222	0.1036	0.0396	0.0311	0.0106	0.0484	0.0053	0.4997
30 mph	0.2526	0.0234	0.1091	0.0431	0.0273	0.0093	0.0383	0.0042	0.5071
35 mph	0.3641	0.0336	0.1566	0.0595	0.0272	0.0092	0.0264	0.0029	0.6795
40 mph	0.0978	0.0090	0.0420	0.0224	0.0157	0.0053	0.0246	0.0027	0.2196
45 mph	0.0776	0.0072	0.0334	0.0176	0.0124	0.0042	0.0179	0.0020	0.1722
50 mph	0.0805	0.0075	0.0346	0.0187	0.0133	0.0045	0.0159	0.0018	0.1768
55 mph	0.0566	0.0053	0.0245	0.0124	0.0086	0.0029	0.0053	0.0006	0.1161
60 mph	0.0896	0.0084	0.0389	0.0165	0.0107	0.0036	0.2097	0.0232	0.4005
65 mph	0.0144	0.0014	0.0062	0.0030	0.0021	0.0007	-	-	0.0278
70 mph	0.2046	0.0196	0.0869	0.0691	0.0533	0.0171	-	-	0.4506
total	1.6987	0.1583	0.7326	0.3394	0.2272	0.0759	0.4141	0.0457	3.6919

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0095	0.0001	0.0036	0.0051	0.1144	0.0901	0.7390	1.9714	2.9332
15 mph	0.0031	0.0000	0.0012	0.0017	0.0298	0.0239	0.1937	0.5109	0.7644
20 mph	0.0051	0.0000	0.0020	0.0029	0.0509	0.0409	0.3309	0.8822	1.3148
25 mph	0.0215	0.0001	0.0083	0.0122	0.2255	0.1819	1.5882	4.0354	6.0731
30 mph	0.0205	0.0001	0.0079	0.0116	0.2254	0.1807	1.2678	3.2235	4.9374
35 mph	0.0151	0.0001	0.0058	0.0086	0.1847	0.1480	0.5096	1.2985	2.1705
40 mph	0.0047	0.0000	0.0018	0.0027	0.0599	0.0476	0.5190	1.3259	1.9616
45 mph	0.0038	0.0000	0.0015	0.0022	0.0487	0.0381	0.3936	1.0086	1.4964
50 mph	0.0038	0.0000	0.0015	0.0022	0.0511	0.0396	0.6312	1.6113	2.3406
55 mph	0.0032	0.0000	0.0012	0.0018	0.0427	0.0327	0.1499	0.3870	0.6185
60 mph	0.0069	0.0000	0.0026	0.0040	0.0862	0.0657	0.1601	0.4106	0.7361
65 mph	0.0010	0.0000	0.0004	0.0006	0.0109	0.0082	-	-	0.0211
70 mph	-	-	-	-	-	-	-	-	-
total	0.0982	0.0006	0.0377	0.0554	1.1302	0.8974	6.4830	16.6652	25.3677

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0008	0.0000	0.0003	0.0009	0.0245	0.0193	-	-	0.0458
15 mph	0.0006	0.0000	0.0002	0.0007	0.0160	0.0128	-	-	0.0305
20 mph	0.0005	0.0000	0.0002	0.0006	0.0136	0.0109	0.5966	1.5904	2.2129
25 mph	0.0009	0.0000	0.0003	0.0011	0.0242	0.0195	0.9110	2.3147	3.2717
30 mph	0.0015	0.0000	0.0006	0.0018	0.0439	0.0352	1.3713	3.4868	4.9411
35 mph	0.0031	0.0000	0.0012	0.0037	0.0990	0.0794	1.2250	3.1213	4.5327
40 mph	0.0033	0.0000	0.0012	0.0039	0.1071	0.0850	1.0291	2.6293	3.8589
45 mph	0.0025	0.0000	0.0010	0.0030	0.0836	0.0654	0.7095	1.8182	2.6832
50 mph	0.0028	0.0000	0.0011	0.0034	0.0987	0.0764	0.3501	0.8938	1.4262
55 mph	0.0016	0.0000	0.0006	0.0020	0.0572	0.0438	0.1801	0.4651	0.7505
60 mph	0.0011	0.0000	0.0004	0.0013	0.0347	0.0264	13.4725	34.5402	48.0765
65 mph	0.0004	0.0000	0.0002	0.0005	0.0117	0.0088	-	-	0.0216
70 mph	0.0201	0.0001	0.0076	0.0240	0.5461	0.4128	-	-	1.0106
total	0.0393	0.0002	0.0149	0.0467	1.1603	0.8958	19.8452	50.8595	72.8621

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0005	0.0004	0.0015	0.0028	0.0051
15 mph	0.0052	0.0000	0.0020	0.0025	0.0454	0.0364	0.3095	0.8163	1.2175
25 mph	-	-	-	-	0.0652	0.0527	1.0096	2.5653	3.6928
35 mph	0.0121	0.0001	0.0046	0.0055	-	-	-	-	0.0222
total	0.0173	0.0001	0.0066	0.0080	0.1112	0.0895	1.3206	3.3844	4.9376

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0005	0.0004	0.0015	0.0028	0.0051
10 mph	0.0103	0.0001	0.0039	0.0060	0.1389	0.1094	0.7390	1.9714	2.9790
15 mph	0.0090	0.0001	0.0035	0.0050	0.0912	0.0732	0.5032	1.3272	2.0123
20 mph	0.0057	0.0000	0.0022	0.0035	0.0645	0.0518	0.9275	2.4726	3.5278
25 mph	0.0224	0.0001	0.0086	0.0132	0.3149	0.2541	3.5088	8.9154	13.0375
30 mph	0.0220	0.0001	0.0085	0.0134	0.2694	0.2159	2.6390	6.7103	9.8786
35 mph	0.0303	0.0002	0.0116	0.0178	0.2837	0.2274	1.7346	4.4198	6.7254
40 mph	0.0080	0.0000	0.0031	0.0065	0.1670	0.1326	1.5481	3.9551	5.8205
45 mph	0.0063	0.0000	0.0024	0.0051	0.1323	0.1035	1.1031	2.8268	4.1796
50 mph	0.0066	0.0000	0.0025	0.0055	0.1498	0.1159	0.9813	2.5050	3.7668
55 mph	0.0048	0.0000	0.0018	0.0038	0.0999	0.0766	0.3300	0.8520	1.3690
60 mph	0.0080	0.0000	0.0030	0.0052	0.1209	0.0921	13.6327	34.9507	48.8126
65 mph	0.0014	0.0000	0.0005	0.0010	0.0226	0.0171	-	-	0.0427
70 mph	0.0201	0.0001	0.0076	0.0240	0.5461	0.4128	-	-	1.0106
total	0.1548	0.0010	0.0592	0.1102	2.4017	1.8826	27.6488	70.9091	103.1674

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.3066	0.3066
15 mph								0.0858	0.0858
20 mph								0.1498	0.1498
25 mph								0.7596	0.7596
30 mph								0.6533	0.6533
35 mph								0.2807	0.2807
40 mph								0.2998	0.2998
45 mph								0.2317	0.2317
50 mph								0.3652	0.3652
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.1326	3.1326

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.2700	0.2700
25 mph								0.4357	0.4357
30 mph								0.7066	0.7066
35 mph								0.6748	0.6748
40 mph								0.5946	0.5946
45 mph								0.4178	0.4178
50 mph								0.2026	0.2026
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.0871	2.0871

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0005	0.0005
15 mph								0.1370	0.1370
25 mph								0.4829	0.4829
35 mph								-	-
total	-	-	-	-	-	-	-	0.6204	0.6204

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0005	0.0005
10 mph								0.3066	0.3066
15 mph								0.2228	0.2228
20 mph								0.4198	0.4198
25 mph								1.6781	1.6781
30 mph								1.3599	1.3599
35 mph								0.9555	0.9555
40 mph								0.8944	0.8944
45 mph								0.6495	0.6495
50 mph								0.5678	0.5678
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	7.0550	7.0550

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0023	0.0009	0.0023	0.0033	0.0088
10 mph	0.0965	0.0082	0.0416	0.0210	0.1483	0.1126	0.7473	2.2790	3.4543
15 mph	0.0892	0.0076	0.0385	0.0178	0.0995	0.0760	0.5096	1.5507	2.3888
20 mph	0.0611	0.0052	0.0263	0.0132	0.0707	0.0539	0.9398	2.8937	4.0639
25 mph	0.2613	0.0223	0.1123	0.0528	0.3460	0.2647	3.5572	10.5988	15.2153
30 mph	0.2746	0.0235	0.1175	0.0565	0.2966	0.2251	2.6773	8.0745	11.7456
35 mph	0.3944	0.0338	0.1682	0.0773	0.3109	0.2366	1.7610	5.3782	8.3605
40 mph	0.1058	0.0091	0.0451	0.0289	0.1828	0.1379	1.5727	4.8523	6.9345
45 mph	0.0839	0.0072	0.0358	0.0227	0.1448	0.1077	1.1209	3.4782	5.0013
50 mph	0.0872	0.0075	0.0372	0.0243	0.1631	0.1204	0.9972	3.0746	4.5114
55 mph	0.0615	0.0053	0.0263	0.0162	0.1085	0.0795	0.3353	0.8526	1.4851
60 mph	0.0976	0.0085	0.0419	0.0217	0.1315	0.0957	13.8424	34.9740	49.2131
65 mph	0.0157	0.0014	0.0068	0.0041	0.0247	0.0178	-	-	0.0704
70 mph	0.2246	0.0198	0.0945	0.0930	0.5994	0.4299	-	-	1.4612
STREX	0.1803	0.0146	0.0737	0.1158	0.0608	0.0186	0.0283	0.0000	0.4922
total	2.0338	0.1739	0.8655	0.5653	2.6897	1.9772	28.0913	78.0098	**114.4065**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0190	0.0207	0.0210	0.0221	0.0318	0.0319	0.0298	0.0012
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1803	0.0146	0.0737	0.1158	0.0608	0.0186	0.0283	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1803	0.0146	0.0737	0.1158	0.0608	0.0186	0.0283	0.0000

World Logistics Center
Mobile Emissions - Medium EV 2034 (Net) - Mitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.7949	1.8169	3.3706	2.3678
10 mph	0.0039	0.0067	0.0065	0.0072	0.0070	0.0062	0.0139	0.2976
15 mph	0.0026	0.0045	0.0043	0.0048	0.0047	0.0041	0.0092	0.1977
20 mph	0.0018	0.0032	0.0030	0.0034	0.0033	0.0029	0.0065	0.1386
25 mph	0.0013	0.0024	0.0023	0.0025	0.0025	0.0021	0.0048	0.1025
30 mph	0.0010	0.0018	0.0018	0.0020	0.0019	0.0017	0.0037	0.0799
35 mph	0.0009	0.0015	0.0014	0.0016	0.0016	0.0014	0.0030	0.0658
40 mph	0.0007	0.0013	0.0012	0.0014	0.0014	0.0012	0.0026	0.0572
45 mph	0.0007	0.0012	0.0011	0.0013	0.0013	0.0011	0.0024	0.0524
50 mph	0.0007	0.0012	0.0011	0.0012	0.0012	0.0011	0.0023	0.0507
55 mph	0.0007	0.0012	0.0011	0.0013	0.0013	0.0011	0.0024	0.0515
60 mph	0.0007	0.0012	0.0012	0.0013	0.0014	0.0011	0.0025	0.0551
65 mph	0.0008	0.0014	0.0013	0.0015	0.0015	0.0013		
70 mph	0.0009	0.0016	0.0014	0.0016	0.0017	0.0014		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0235	0.1100
10 mph	0.0034	0.0108	0.0091	0.0038	0.0259	0.0260	0.0015	0.0038
15 mph	0.0016	0.0059	0.0045	0.0018	0.0128	0.0129	0.0009	0.0021
20 mph	0.0007	0.0031	0.0017	0.0007	0.0053	0.0053	0.0006	0.0013
25 mph	0.0004	0.0021	0.0010	0.0004	0.0032	0.0033	0.0005	0.0011
30 mph	0.0003	0.0017	0.0008	0.0003	0.0025	0.0025	0.0004	0.0009
35 mph	0.0002	0.0014	0.0006	0.0003	0.0020	0.0021	0.0003	0.0007
40 mph	0.0002	0.0012	0.0005	0.0002	0.0017	0.0017	0.0003	0.0006
45 mph	0.0002	0.0011	0.0004	0.0002	0.0015	0.0015	0.0002	0.0006
50 mph	0.0002	0.0011	0.0004	0.0002	0.0013	0.0014	0.0002	0.0006
55 mph	0.0001	0.0011	0.0003	0.0001	0.0012	0.0012	0.0003	0.0006
60 mph	0.0001	0.0011	0.0003	0.0001	0.0012	0.0012	0.0003	0.0007
65 mph	0.0001	0.0012	0.0003	0.0001	0.0013	0.0013		
70 mph	0.0001	0.0012	0.0003	0.0001	0.0018	0.0017		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.8743
10 mph								10.6727
15 mph								7.4079
20 mph								5.2871
25 mph								3.8777
30 mph								2.8683
35 mph								2.1232
40 mph								1.5735
45 mph								1.1686
50 mph								0.8711
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0669	0.0085	0.0410	0.0156	0.0076	0.0021	0.0077	0.0013	0.1506
15 mph	0.0178	0.0023	0.0110	0.0042	0.0020	0.0005	0.0017	0.0003	0.0397
20 mph	0.0249	0.0032	0.0155	0.0059	0.0029	0.0008	0.0024	0.0004	0.0559
25 mph	0.0919	0.0120	0.0571	0.0217	0.0106	0.0028	0.0098	0.0017	0.2076
30 mph	0.0787	0.0104	0.0489	0.0186	0.0091	0.0024	0.0069	0.0012	0.1761
35 mph	0.0528	0.0070	0.0327	0.0125	0.0062	0.0016	0.0025	0.0004	0.1158
40 mph	0.0153	0.0020	0.0095	0.0036	0.0018	0.0005	0.0024	0.0004	0.0356
45 mph	0.0117	0.0015	0.0072	0.0028	0.0014	0.0004	0.0018	0.0003	0.0271
50 mph	0.0113	0.0015	0.0070	0.0027	0.0013	0.0003	0.0028	0.0005	0.0274
55 mph	0.0092	0.0012	0.0056	0.0022	0.0011	0.0003	0.0007	0.0001	0.0204
60 mph	0.0194	0.0025	0.0119	0.0046	0.0023	0.0006	0.0007	0.0001	0.0421
65 mph	0.0027	0.0003	0.0016	0.0006	0.0003	0.0001	-	-	0.0058
70 mph	-	-	-	-	-	-	-	-	-
total	0.4025	0.0526	0.2488	0.0949	0.0468	0.0124	0.0394	0.0067	0.9042

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0055	0.0007	0.0034	0.0027	0.0016	0.0004	-	-	0.0144
15 mph	0.0037	0.0005	0.0023	0.0018	0.0011	0.0003	-	-	0.0096
20 mph	0.0026	0.0003	0.0016	0.0013	0.0008	0.0002	0.0043	0.0007	0.0118
25 mph	0.0038	0.0005	0.0024	0.0019	0.0011	0.0003	0.0056	0.0010	0.0165
30 mph	0.0059	0.0008	0.0037	0.0029	0.0018	0.0005	0.0074	0.0013	0.0243
35 mph	0.0109	0.0014	0.0068	0.0054	0.0033	0.0009	0.0061	0.0010	0.0359
40 mph	0.0105	0.0014	0.0065	0.0052	0.0032	0.0008	0.0049	0.0008	0.0335
45 mph	0.0077	0.0010	0.0048	0.0038	0.0024	0.0006	0.0032	0.0006	0.0242
50 mph	0.0084	0.0011	0.0052	0.0042	0.0026	0.0007	0.0016	0.0003	0.0240
55 mph	0.0047	0.0006	0.0029	0.0023	0.0015	0.0004	0.0008	0.0001	0.0134
60 mph	0.0030	0.0004	0.0018	0.0015	0.0009	0.0002	0.0594	0.0102	0.0775
65 mph	0.0011	0.0001	0.0007	0.0005	0.0004	0.0001	-	-	0.0029
70 mph	0.0570	0.0076	0.0332	0.0279	0.0180	0.0044	-	-	0.1482
total	0.1250	0.0165	0.0752	0.0614	0.0387	0.0099	0.0933	0.0160	0.4361

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2359	0.0728	0.2052	0.0016	0.5154
15 mph	0.0296	0.0038	0.0183	0.0060	0.0031	0.0008	0.0027	0.0005	0.0648
25 mph	-	-	-	-	0.0031	0.0008	0.0062	0.0011	0.0112
35 mph	0.0421	0.0056	0.0261	0.0080	-	-	-	-	0.0817
total	0.0717	0.0094	0.0443	0.0140	0.2420	0.0744	0.2141	0.0031	0.6731

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2359	0.0728	0.2052	0.0016	0.5154
10 mph	0.0724	0.0092	0.0444	0.0183	0.0093	0.0025	0.0077	0.0013	0.1650
15 mph	0.0510	0.0066	0.0315	0.0120	0.0062	0.0017	0.0045	0.0008	0.1141
20 mph	0.0275	0.0036	0.0170	0.0071	0.0036	0.0010	0.0068	0.0011	0.0678
25 mph	0.0957	0.0125	0.0595	0.0236	0.0148	0.0040	0.0216	0.0037	0.2353
30 mph	0.0846	0.0111	0.0525	0.0216	0.0109	0.0029	0.0143	0.0025	0.2004
35 mph	0.1058	0.0140	0.0655	0.0259	0.0095	0.0025	0.0086	0.0015	0.2334
40 mph	0.0258	0.0034	0.0160	0.0089	0.0050	0.0013	0.0073	0.0013	0.0690
45 mph	0.0195	0.0026	0.0120	0.0066	0.0038	0.0010	0.0050	0.0009	0.0513
50 mph	0.0197	0.0026	0.0121	0.0068	0.0039	0.0010	0.0044	0.0008	0.0514
55 mph	0.0139	0.0018	0.0086	0.0045	0.0026	0.0007	0.0015	0.0003	0.0338
60 mph	0.0224	0.0029	0.0137	0.0060	0.0033	0.0009	0.0601	0.0104	0.1196
65 mph	0.0038	0.0005	0.0023	0.0012	0.0007	0.0002	-	-	0.0087
70 mph	0.0570	0.0076	0.0332	0.0279	0.0180	0.0044	-	-	0.1482
total	0.5992	0.0785	0.3684	0.1703	0.3276	0.0967	0.3468	0.0259	2.0134

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0006	0.0000	0.0005	0.0002	0.0221	0.0156	0.0044	0.0200	0.0635
15 mph	0.0001	0.0000	0.0001	0.0000	0.0044	0.0031	0.0008	0.0037	0.0122
20 mph	0.0001	0.0000	0.0001	0.0000	0.0036	0.0026	0.0011	0.0046	0.0121
25 mph	0.0003	0.0000	0.0002	0.0001	0.0111	0.0079	0.0048	0.0207	0.0451
30 mph	0.0002	0.0000	0.0002	0.0001	0.0094	0.0067	0.0035	0.0152	0.0353
35 mph	0.0002	0.0000	0.0001	0.0001	0.0062	0.0044	0.0013	0.0056	0.0180
40 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0013	0.0012	0.0054	0.0097
45 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0009	0.0009	0.0040	0.0071
50 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0008	0.0015	0.0065	0.0100
55 mph	0.0000	0.0000	0.0000	0.0000	0.0008	0.0006	0.0004	0.0017	0.0035
60 mph	0.0000	0.0000	0.0000	0.0000	0.0016	0.0012	0.0004	0.0019	0.0052
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0016	0.0000	0.0012	0.0006	0.0637	0.0453	0.0203	0.0892	0.2220

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0047	0.0034	-	-	0.0082
15 mph	0.0000	0.0000	0.0000	0.0000	0.0024	0.0017	-	-	0.0041
20 mph	0.0000	0.0000	0.0000	0.0000	0.0010	0.0007	0.0020	0.0083	0.0120
25 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0008	0.0027	0.0119	0.0167
30 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0013	0.0038	0.0164	0.0234
35 mph	0.0000	0.0000	0.0000	0.0000	0.0033	0.0024	0.0031	0.0136	0.0225
40 mph	0.0000	0.0000	0.0000	0.0000	0.0031	0.0022	0.0025	0.0107	0.0186
45 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0016	0.0016	0.0072	0.0126
50 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0016	0.0008	0.0036	0.0082
55 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0008	0.0005	0.0020	0.0044
60 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0371	0.1623	0.2005
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	0.0001	0.0000	0.0001	0.0001	0.0148	0.0103	-	-	0.0253
total	0.0003	0.0000	0.0002	0.0002	0.0388	0.0273	0.0541	0.2360	0.3569

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0153	0.0108	0.0073	0.0639	0.0972
15 mph	0.0002	0.0000	0.0002	0.0001	0.0067	0.0047	0.0013	0.0059	0.0190
25 mph	-	-	-	-	0.0032	0.0023	0.0030	0.0131	0.0217
35 mph	0.0001	0.0000	0.0001	0.0000	-	-	-	-	0.0003
total	0.0003	0.0000	0.0002	0.0001	0.0252	0.0178	0.0116	0.0829	0.1382

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0153	0.0108	0.0073	0.0639	0.0972
10 mph	0.0006	0.0000	0.0005	0.0003	0.0269	0.0190	0.0044	0.0200	0.0717
15 mph	0.0003	0.0000	0.0003	0.0001	0.0134	0.0095	0.0021	0.0095	0.0353
20 mph	0.0001	0.0000	0.0001	0.0000	0.0046	0.0032	0.0031	0.0130	0.0241
25 mph	0.0003	0.0000	0.0002	0.0001	0.0155	0.0111	0.0105	0.0457	0.0834
30 mph	0.0003	0.0000	0.0002	0.0001	0.0112	0.0080	0.0073	0.0316	0.0587
35 mph	0.0003	0.0000	0.0002	0.0001	0.0096	0.0068	0.0044	0.0192	0.0407
40 mph	0.0001	0.0000	0.0001	0.0000	0.0049	0.0035	0.0037	0.0161	0.0283
45 mph	0.0001	0.0000	0.0000	0.0000	0.0035	0.0025	0.0025	0.0111	0.0197
50 mph	0.0000	0.0000	0.0000	0.0000	0.0033	0.0024	0.0023	0.0101	0.0182
55 mph	0.0000	0.0000	0.0000	0.0000	0.0019	0.0014	0.0008	0.0037	0.0079
60 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0016	0.0375	0.1642	0.2058
65 mph	0.0000	0.0000	0.0000	0.0000	0.0004	0.0003	-	-	0.0008
70 mph	0.0001	0.0000	0.0001	0.0001	0.0148	0.0103	-	-	0.0253
total	0.0023	0.0000	0.0017	0.0009	0.1277	0.0904	0.0860	0.4081	0.7171

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								3.9545	3.9545
15 mph								0.9149	0.9149
20 mph								1.3060	1.3060
25 mph								5.2682	5.2682
30 mph								3.5426	3.5426
35 mph								1.1800	1.1800
40 mph								0.9717	0.9717
45 mph								0.5773	0.5773
50 mph								0.6993	0.6993
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	18.4146	18.4146

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								2.3544	2.3544
25 mph								3.0218	3.0218
30 mph								3.8319	3.8319
35 mph								2.8364	2.8364
40 mph								1.9270	1.9270
45 mph								1.0408	1.0408
50 mph								0.3879	0.3879
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	12.0445	12.0445

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0759	0.0759
15 mph								1.4620	1.4620
25 mph								3.3489	3.3489
35 mph								-	-
total	-	-	-	-	-	-	-	4.8869	4.8869

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0759	0.0759
10 mph								3.9545	3.9545
15 mph								2.3770	2.3770
20 mph								3.6604	3.6604
25 mph								11.6389	11.6389
30 mph								7.3745	7.3745
35 mph								4.0165	4.0165
40 mph								2.8987	2.8987
45 mph								1.6181	1.6181
50 mph								1.0872	1.0872
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	38.7017	38.7017

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2512	0.0836	0.2125	0.1413	0.6886
10 mph	0.0730	0.0092	0.0449	0.0185	0.0362	0.0215	0.0121	3.9758	4.1912
15 mph	0.0514	0.0066	0.0318	0.0121	0.0196	0.0112	0.0066	2.3873	2.5264
20 mph	0.0276	0.0036	0.0171	0.0072	0.0082	0.0042	0.0098	3.6745	3.7522
25 mph	0.0960	0.0125	0.0597	0.0237	0.0303	0.0150	0.0321	11.6883	11.9576
30 mph	0.0848	0.0111	0.0527	0.0217	0.0222	0.0109	0.0216	7.4086	7.6335
35 mph	0.1061	0.0140	0.0657	0.0260	0.0191	0.0093	0.0130	4.0372	4.2906
40 mph	0.0259	0.0034	0.0160	0.0089	0.0099	0.0048	0.0110	2.9160	2.9960
45 mph	0.0195	0.0026	0.0121	0.0066	0.0072	0.0034	0.0076	1.6302	1.6892
50 mph	0.0198	0.0026	0.0122	0.0069	0.0073	0.0034	0.0067	1.0980	1.1568
55 mph	0.0140	0.0018	0.0086	0.0045	0.0045	0.0021	0.0023	0.0039	0.0416
60 mph	0.0224	0.0029	0.0137	0.0061	0.0056	0.0025	0.0976	0.1746	0.3253
65 mph	0.0038	0.0005	0.0023	0.0012	0.0011	0.0005	-	-	0.0095
70 mph	0.0571	0.0076	0.0333	0.0280	0.0328	0.0147	-	-	0.1735
STREX	0.2346	0.0210	0.1186	0.1943	0.0247	0.0075	0.0302	0.0000	0.6307
total	0.8360	0.0995	0.4887	0.3655	0.4799	0.1946	0.4630	39.1356	**42.0629**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0248	0.0298	0.0339	0.0371	0.0129	0.0128	0.0317	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.2346	0.0210	0.1186	0.1943	0.0247	0.0075	0.0302	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.2346	0.0210	0.1186	0.1943	0.0247	0.0075	0.0302	0.0000

World Logistics Center
Mobile Emissions - Medium EV 2034 (Net) - Mitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					4,014.20	4,695.68	11,857.67	19,303.13
10 mph	399.59	469.77	469.76	576.48	1,314.55	1,515.65	2,690.01	3,140.96
15 mph	326.66	384.10	384.02	471.12	1,074.35	1,237.81	2,202.48	2,576.96
20 mph	271.67	319.41	319.36	391.81	893.35	1,029.61	1,830.28	2,147.09
25 mph	232.24	273.08	273.06	335.14	763.50	879.72	1,565.40	1,839.11
30 mph	206.13	242.36	242.38	297.66	677.73	780.99	1,390.34	1,633.04
35 mph	191.18	224.73	224.79	276.29	628.55	724.52	1,290.09	1,512.67
40 mph	185.19	217.70	217.74	267.64	608.48	701.43	1,248.25	1,462.17
45 mph	186.24	218.83	218.82	268.91	610.70	703.96	1,253.62	1,463.39
50 mph	191.79	225.32	225.28	276.98	628.64	724.41	1,289.70	1,502.14
55 mph	199.22	234.00	234.04	287.85	654.27	753.88	1,340.64	1,559.67
60 mph	205.04	241.23	241.44	297.36	680.78	784.44	1,394.50	1,619.16
65 mph	210.12	247.55	247.84	305.67	701.39	807.90		
70 mph	213.14	250.72	250.69	311.44	709.81	815.35		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,249.28	5,259.33	5,417.94	4,961.84
10 mph	340.85	699.78	455.43	566.50	850.62	952.19	1,647.17	2,360.47
15 mph	280.35	581.81	377.70	480.36	554.18	632.26	1,295.23	1,835.03
20 mph	229.98	477.64	310.29	398.96	472.84	539.84	1,106.42	1,584.42
25 mph	192.79	398.92	260.15	337.60	419.20	480.89	965.43	1,317.74
30 mph	167.01	343.03	224.93	291.82	380.98	434.06	847.70	1,157.91
35 mph	151.00	307.24	202.96	265.07	381.53	434.71	757.26	1,036.53
40 mph	141.31	286.32	189.41	248.00	371.35	419.16	694.03	952.52
45 mph	136.51	276.20	182.62	238.68	362.40	403.14	657.90	905.70
50 mph	136.90	276.00	182.88	240.01	380.15	418.30	649.30	890.41
55 mph	143.24	288.92	191.21	253.22	396.74	432.36	668.18	926.67
60 mph	155.29	313.34	207.14	274.18	400.66	433.84	713.88	983.17
65 mph	174.62	349.20	232.60	308.23	406.42	435.71		
70 mph	189.44	363.76	249.83	334.37	411.70	442.40		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								4,981.70
10 mph								4,059.48
15 mph								3,406.10
20 mph								2,974.18
25 mph								2,742.55
30 mph								2,594.73
35 mph								2,477.72
40 mph								2,381.73
45 mph								2,300.97
50 mph								2,231.71
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	6,844.77	600.04	2,977.51	1,241.18	1,423.19	500.24	1,498.54	13.88	15,099.37
15 mph	2,238.23	196.24	973.62	405.74	465.26	163.42	408.98	3.80	4,855.28
20 mph	3,722.83	326.38	1,619.36	674.86	773.74	271.86	679.74	6.33	8,075.10
25 mph	15,912.80	1,395.24	6,923.02	2,886.27	3,306.41	1,161.41	3,197.51	29.81	34,812.47
30 mph	15,536.05	1,362.08	6,759.64	2,819.83	3,228.45	1,134.17	2,581.75	24.06	33,446.03
35 mph	11,789.19	1,033.37	5,129.27	2,141.46	2,449.79	860.86	1,078.02	10.03	24,492.00
40 mph	3,806.67	333.69	1,656.17	691.48	790.53	277.81	1,158.95	10.77	8,726.07
45 mph	3,190.15	279.52	1,386.97	578.98	661.18	232.34	931.15	8.63	7,268.90
50 mph	3,285.22	287.80	1,427.90	596.35	680.59	239.09	1,556.66	14.39	8,088.01
55 mph	2,730.08	239.11	1,186.73	495.81	566.67	199.05	373.42	3.45	5,794.32
60 mph	5,619.68	492.99	2,448.56	1,024.36	1,179.27	414.25	388.42	3.58	11,571.11
65 mph	719.86	63.24	314.18	131.63	151.87	53.33	-	-	1,434.11
70 mph	-	-	-	-	-	-	-	-	-
total	75,395.53	6,609.71	32,802.93	13,687.93	15,676.95	5,507.84	13,853.15	128.73	163,662.75

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	566.10	49.63	246.26	214.39	305.18	107.27	-	-	1,488.82
15 mph	462.78	40.58	201.31	175.21	249.42	87.60	-	-	1,216.90
20 mph	384.87	33.74	167.41	145.71	207.40	72.87	1,225.40	11.41	2,248.81
25 mph	658.04	57.70	286.29	249.27	354.50	124.52	1,834.10	17.10	3,581.52
30 mph	1,168.11	102.41	508.24	442.79	629.36	221.10	2,792.55	26.03	5,890.58
35 mph	2,437.58	213.66	1,060.55	924.74	1,313.30	461.50	2,591.20	24.11	9,026.63
40 mph	2,623.61	229.98	1,141.45	995.33	1,412.64	496.43	2,298.24	21.36	9,219.03
45 mph	2,110.74	184.94	917.68	800.05	1,134.23	398.58	1,678.63	15.55	7,240.40
50 mph	2,445.36	214.22	1,062.86	927.07	1,313.48	461.43	863.47	7.98	7,295.86
55 mph	1,411.21	123.60	613.43	535.25	759.46	266.78	448.79	4.14	4,162.66
60 mph	871.46	76.45	379.71	331.76	474.14	166.55	32,677.39	301.08	35,278.54
65 mph	297.68	26.15	129.92	113.68	162.83	57.18	-	-	787.45
70 mph	13,890.29	1,218.36	6,045.16	5,327.86	7,580.24	2,654.48	-	-	36,716.38
total	29,327.82	2,571.42	12,760.26	11,183.09	15,896.18	5,576.28	46,409.77	428.76	124,153.59

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	527.56	188.13	721.79	12.94	1,450.42
15 mph	3,729.89	327.03	1,622.48	587.41	708.90	248.99	653.54	6.07	7,884.31
25 mph	-	-	-	-	956.80	336.09	2,032.64	18.95	3,344.48
35 mph	9,392.18	823.27	4,086.38	1,362.01	-	-	-	-	15,663.83
total	13,122.07	1,150.30	5,708.86	1,949.41	2,193.26	773.21	3,407.97	37.96	28,343.05

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	527.56	188.13	721.79	12.94	1,450.42
10 mph	7,410.87	649.67	3,223.77	1,455.57	1,728.37	607.51	1,498.54	13.88	16,588.19
15 mph	6,430.90	563.85	2,797.41	1,168.35	1,423.58	500.01	1,062.52	9.87	13,956.49
20 mph	4,107.70	360.13	1,786.77	820.57	981.14	344.73	1,905.13	17.73	10,323.91
25 mph	16,570.84	1,452.93	7,209.31	3,135.54	4,617.72	1,622.02	7,064.25	65.86	41,738.48
30 mph	16,704.15	1,464.49	7,267.87	3,262.62	3,857.81	1,355.27	5,374.30	50.09	39,336.60
35 mph	23,618.95	2,070.30	10,276.20	4,428.20	3,763.08	1,322.36	3,669.22	34.14	49,182.47
40 mph	6,430.28	563.67	2,797.62	1,686.81	2,203.17	774.24	3,457.19	32.14	17,945.10
45 mph	5,300.89	464.45	2,304.65	1,379.02	1,795.41	630.92	2,609.77	24.17	14,509.30
50 mph	5,730.58	502.02	2,490.75	1,523.42	1,994.07	700.52	2,420.13	22.37	15,383.87
55 mph	4,141.29	362.71	1,800.16	1,031.06	1,326.13	465.83	822.21	7.59	9,956.98
60 mph	6,491.14	569.45	2,828.27	1,356.11	1,653.41	580.80	33,065.81	304.66	46,849.65
65 mph	1,017.54	89.39	444.11	245.30	314.70	110.51	-	-	2,221.55
70 mph	13,890.29	1,218.36	6,045.16	5,327.86	7,580.24	2,654.48	-	-	36,716.38
total	117,845.42	10,331.42	51,272.05	26,820.43	33,766.39	11,857.34	63,670.89	595.45	316,159.38

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	60.38	0.38	23.03	32.51	727.70	573.00	4,701.51	12,542.01	18,660.51
15 mph	19.86	0.13	7.64	11.03	189.64	152.19	1,232.32	3,250.04	4,862.85
20 mph	32.59	0.21	12.55	18.31	323.61	259.89	2,105.36	5,612.40	8,364.92
25 mph	136.61	0.86	52.63	77.49	1,434.49	1,157.54	10,103.94	25,672.62	38,636.17
30 mph	130.17	0.81	50.05	73.68	1,434.06	1,149.28	8,065.33	20,507.84	31,411.23
35 mph	96.29	0.60	36.95	54.76	1,175.02	941.75	3,242.16	8,261.14	13,808.67
40 mph	30.04	0.19	11.49	17.08	381.23	302.69	3,301.60	8,435.09	12,479.40
45 mph	24.18	0.15	9.24	13.70	310.03	242.60	2,503.79	6,416.38	9,520.07
50 mph	24.25	0.15	9.25	13.77	325.22	251.72	4,015.44	10,250.67	14,890.47
55 mph	20.30	0.12	7.74	11.62	271.53	208.14	953.59	2,461.87	3,934.91
60 mph	44.01	0.27	16.76	25.17	548.42	417.71	1,018.81	2,611.97	4,683.12
65 mph	6.19	0.04	2.35	3.54	69.54	52.44	-	-	134.09
70 mph	-	-	-	-	-	-	-	-	-
total	624.87	3.89	239.68	352.66	7,190.49	5,708.95	41,243.84	106,022.01	161,386.39

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	4.99	0.03	1.90	5.62	156.04	122.87	-	-	291.46
15 mph	4.11	0.03	1.58	4.76	101.66	81.59	-	-	193.72
20 mph	3.37	0.02	1.30	3.95	86.74	69.66	3,795.44	10,117.76	14,078.25
25 mph	5.65	0.04	2.18	6.69	153.80	124.11	5,795.65	14,725.90	20,814.02
30 mph	9.79	0.06	3.76	11.57	279.56	224.04	8,723.88	22,182.34	31,435.00
35 mph	19.91	0.12	7.64	23.65	629.91	504.86	7,793.10	19,857.06	28,836.25
40 mph	20.70	0.13	7.92	24.58	681.24	540.89	6,547.17	16,727.02	24,549.65
45 mph	16.00	0.10	6.11	18.93	531.86	416.17	4,513.72	11,567.15	17,070.03
50 mph	18.05	0.11	6.88	21.41	627.64	485.80	2,227.34	5,685.98	9,073.21
55 mph	10.49	0.06	4.00	12.55	363.91	278.96	1,146.05	2,958.76	4,774.78
60 mph	6.83	0.04	2.60	8.15	220.50	167.95	85,710.60	219,740.72	305,857.38
65 mph	2.56	0.02	0.97	3.06	74.56	56.22	-	-	137.38
70 mph	127.67	0.75	48.07	152.45	3,474.19	2,626.02	-	-	6,429.14
total	250.11	1.50	94.92	297.36	7,381.61	5,699.14	126,252.94	323,562.69	463,540.28

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	337.44	384.19	1,689.78	2,880.76	5,292.16
15 mph	33.10	0.21	12.73	15.96	288.95	231.89	1,969.20	5,193.46	7,745.51
25 mph	-	-	-	-	415.11	334.97	6,423.01	16,319.93	23,493.01
35 mph	76.71	0.47	29.44	34.83	-	-	-	-	141.45
total	109.82	0.68	42.17	50.79	1,041.50	951.04	10,081.99	24,394.14	36,672.13

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	337.44	384.19	1,689.78	2,880.76	5,292.16
10 mph	65.37	0.41	24.94	38.12	883.75	695.87	4,701.51	12,542.01	18,951.97
15 mph	57.07	0.36	21.95	31.75	580.26	465.66	3,201.52	8,443.50	12,802.08
20 mph	35.96	0.23	13.85	22.27	410.35	329.55	5,900.80	15,730.16	22,443.16
25 mph	142.25	0.90	54.80	84.18	2,003.40	1,616.61	22,322.60	56,718.45	82,943.20
30 mph	139.96	0.87	53.81	85.25	1,713.62	1,373.33	16,789.20	42,690.18	62,846.23
35 mph	192.91	1.19	74.03	113.23	1,804.94	1,446.61	11,035.26	28,118.20	42,786.38
40 mph	50.74	0.31	19.42	41.66	1,062.47	843.57	9,848.77	25,162.11	37,029.05
45 mph	40.18	0.25	15.35	32.62	841.89	658.77	7,017.52	17,983.53	26,590.10
50 mph	42.30	0.26	16.13	35.18	952.86	737.52	6,242.78	15,936.64	23,963.68
55 mph	30.79	0.19	11.73	24.17	635.44	487.10	2,099.64	5,420.62	8,709.69
60 mph	50.84	0.31	19.36	33.33	768.92	585.66	86,729.40	222,352.69	310,540.50
65 mph	8.74	0.05	3.33	6.59	144.09	108.66	-	-	271.47
70 mph	127.67	0.75	48.07	152.45	3,474.19	2,626.02	-	-	6,429.14
total	984.79	6.08	376.77	700.81	15,613.60	12,359.13	177,578.77	453,978.85	661,598.80

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1,504.14	1,504.14
15 mph								420.68	420.68
20 mph								734.67	734.67
25 mph								3,725.99	3,725.99
30 mph								3,204.71	3,204.71
35 mph								1,377.08	1,377.08
40 mph								1,470.82	1,470.82
45 mph								1,136.75	1,136.75
50 mph								1,791.62	1,791.62
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	15,366.46	15,366.46

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1,324.43	1,324.43
25 mph								2,137.24	2,137.24
30 mph								3,466.38	3,466.38
35 mph								3,310.05	3,310.05
40 mph								2,916.67	2,916.67
45 mph								2,049.29	2,049.29
50 mph								993.80	993.80
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	10,238.10	10,238.10

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								201.69	201.69
15 mph								672.23	672.23
25 mph								2,368.59	2,368.59
35 mph								-	-
total	-	-	-	-	-	-	-	3,242.52	3,242.52

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								201.69	201.69
10 mph								1,504.14	1,504.14
15 mph								1,092.92	1,092.92
20 mph								2,059.10	2,059.10
25 mph								8,231.83	8,231.83
30 mph								6,671.08	6,671.08
35 mph								4,687.13	4,687.13
40 mph								4,387.49	4,387.49
45 mph								3,186.04	3,186.04
50 mph								2,785.42	2,785.42
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	34,806.84	34,806.84

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	864.99	572.32	2,411.57	3,095.39	6,944.27
10 mph	7,476.24	650.08	3,248.71	1,493.70	2,612.12	1,303.38	6,200.05	14,060.03	37,044.30
15 mph	6,487.97	564.21	2,819.36	1,200.10	2,003.83	965.68	4,264.05	9,546.28	27,851.48
20 mph	4,143.66	360.35	1,800.63	842.83	1,391.49	674.28	7,805.93	17,806.99	34,826.17
25 mph	16,713.09	1,453.83	7,264.11	3,219.72	6,621.12	3,238.63	29,386.86	65,016.14	132,913.50
30 mph	16,844.11	1,465.37	7,321.68	3,347.87	5,571.43	2,728.60	22,163.50	49,411.36	108,853.91
35 mph	23,811.87	2,071.50	10,350.23	4,541.43	5,568.02	2,768.97	14,704.48	32,839.48	96,655.98
40 mph	6,481.02	563.98	2,817.03	1,728.47	3,265.63	1,617.81	13,305.96	29,581.73	59,361.64
45 mph	5,341.07	464.70	2,320.00	1,411.65	2,637.30	1,289.69	9,627.29	21,193.74	44,285.44
50 mph	5,772.88	502.28	2,506.89	1,558.60	2,946.93	1,438.04	8,662.91	18,744.43	42,132.97
55 mph	4,172.08	362.90	1,811.89	1,055.24	1,961.57	952.93	2,921.85	5,428.21	18,666.67
60 mph	6,541.98	569.76	2,847.63	1,389.44	2,422.32	1,166.46	119,795.21	222,657.35	357,390.15
65 mph	1,026.29	89.44	447.43	251.90	458.80	219.17	-	-	2,493.03
70 mph	14,017.95	1,219.10	6,093.23	5,480.31	11,054.43	5,280.50	-	-	43,145.52
STREX	399.33	35.14	178.21	327.90	31.80	11.08	30.54	0.29	1,014.29
total	119,229.54	10,372.64	51,827.02	27,849.15	49,411.79	24,227.54	241,280.20	489,381.43	**1,013,579.32**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	42.19	49.79	50.88	62.60	16.63	19.00	32.13	38.22
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	399.33	35.14	178.21	327.90	31.80	11.08	30.54	0.29
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	399.33	35.14	178.21	327.90	31.80	11.08	30.54	0.29

World Logistics Center
Mobile Emissions - Medium EV 2035 (Net) - Mitigated

Pounds per day

PM2.5 Exhaust	Dust	Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
12.01	57.06	55.73	124.79	9.15	117.43	43.38	998,011.64

Tons per year

PM2.5 Exhaust	Dust	Brake	PM2.5 Total	Black Carbon	N2O	CH4	CO2
2.19	10.41	10.17	22.77	1.67	21.43	7.92	182,137.12

World Logistics Center
Mobile Emissions - Medium EV 2035 (Net) - Mitigated
VMT

	Net Trips			Net VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	3,828.7	54.5	1,032.1	199,180.2	2,834.2	53,694.3
LDT1	286.5	0.1	76.2	14,903.2	2.7	3,961.6
LDT2	1,416.8	16.9	381.1	73,706.1	876.7	19,825.8
MDT	1,984.1	83.4	600.0	30,399.3	1,278.0	9,193.3
LHDT1	783.5	825.2	-	18,432.3	19,413.4	-
LHDT2	227.6	545.8	-	5,354.9	12,840.5	-
MHDT	392.4	2,348.2	-	17,679.7	105,789.3	-
HHDT	3.6	4,263.9	302.4	163.9	192,092.5	13,621.8

	Surface Street VMT			Freeway VMT		
	Gas	Dsl	Elec	Gas	Dsl	Elec
LDA	140,910.0	2,005.1	37,986.0	58,270.2	829.2	15,708.3
LDT1	10,543.2	1.9	2,802.6	4,359.9	0.8	1,159.0
LDT2	52,143.4	620.2	14,025.8	21,562.7	256.5	5,800.0
MDT	16,311.7	685.7	4,933.0	14,087.6	592.2	4,260.4
LHDT1	8,895.1	9,368.6	-	9,537.1	10,044.8	-
LHDT2	2,584.2	6,196.6	-	2,770.7	6,643.9	-
MHDT	3,838.8	22,970.2	-	13,840.8	82,819.1	-
HHDT	35.6	41,709.3	2,957.7	128.3	150,383.2	10,664.1

	% of Surface Street VMT		% of Freeway VMT	
Speed	All Other	MHDT/HHDT	All Other	MHDT/HHDT
10	5%	6%	1%	0%
15	2%	2%	1%	0%
20	4%	4%	1%	2%
25	20%	22%	2%	4%
30	22%	20%	4%	6%
35	18%	9%	9%	6%
40	6%	10%	10%	6%
45	5%	8%	8%	4%
50	5%	13%	9%	2%
55	4%	3%	5%	1%
60	8%	3%	3%	70%
65	1%	0%	1%	0%
70	0%	0%	46%	0%

Surface Street VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	7,045.50	527.16	2,607.17	815.58	444.76	129.21	230.33	2.14	11,801.85
15 mph	2,818.20	210.86	1,042.87	326.23	177.90	51.68	76.78	0.71	4,705.24
20 mph	5,636.40	421.73	2,085.74	652.47	355.81	103.37	153.55	1.42	9,410.48
25 mph	28,181.99	2,108.65	10,428.68	3,262.34	1,779.03	516.84	844.54	7.83	47,129.89
30 mph	31,000.19	2,319.51	11,471.55	3,588.57	1,956.93	568.52	767.76	7.12	51,680.16
35 mph	25,363.79	1,897.78	9,385.81	2,936.10	1,601.12	465.16	345.49	3.20	41,998.47
40 mph	8,454.60	632.59	3,128.60	978.70	533.71	155.05	383.88	3.56	14,270.70
45 mph	7,045.50	527.16	2,607.17	815.58	444.76	129.21	307.10	2.85	11,879.33
50 mph	7,045.50	527.16	2,607.17	815.58	444.76	129.21	499.04	4.63	12,073.05
55 mph	5,636.40	421.73	2,085.74	652.47	355.81	103.37	115.16	1.07	9,371.74
60 mph	11,272.80	843.46	4,171.47	1,304.94	711.61	206.74	115.16	1.07	18,627.24
65 mph	1,409.10	105.43	521.43	163.12	88.95	25.84	-	-	2,313.88
70 mph	-	-	-	-	-	-	-	-	-
total	140,909.97	10,543.24	52,143.40	16,311.69	8,895.13	2,584.20	3,838.81	35.60	235,262.03

Freeway VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	582.70	43.60	215.63	140.88	95.37	27.71	-	-	1,105.88
15 mph	582.70	43.60	215.63	140.88	95.37	27.71	-	-	1,105.88
20 mph	582.70	43.60	215.63	140.88	95.37	27.71	276.82	2.57	1,385.27
25 mph	1,165.40	87.20	431.25	281.75	190.74	55.41	484.43	4.49	2,700.69
30 mph	2,330.81	174.40	862.51	563.50	381.48	110.83	830.45	7.70	5,261.68
35 mph	5,244.32	392.39	1,940.65	1,267.88	858.34	249.36	830.45	7.70	10,791.09
40 mph	5,827.02	435.99	2,156.27	1,408.76	953.71	277.07	761.25	7.06	11,827.13
45 mph	4,661.61	348.79	1,725.02	1,127.01	762.97	221.66	553.63	5.13	9,405.83
50 mph	5,244.32	392.39	1,940.65	1,267.88	858.34	249.36	276.82	2.57	10,232.33
55 mph	2,913.51	218.00	1,078.14	704.38	476.86	138.54	138.41	1.28	5,669.10
60 mph	1,748.11	130.80	646.88	422.63	286.11	83.12	9,688.59	89.84	13,096.08
65 mph	582.70	43.60	215.63	140.88	95.37	27.71	-	-	1,105.88
70 mph	26,804.29	2,005.56	9,918.86	6,480.28	4,387.08	1,274.52	-	-	50,870.60
total	58,270.19	4,359.92	21,562.74	14,087.58	9,537.12	2,770.70	13,840.84	128.35	124,557.44

Internal VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	53.83	15.64	25.07	0.31	94.85
15 mph	4,454.66	333.31	1,648.44	472.13	270.26	78.52	122.23	1.13	7,380.67
25 mph	-	-	-	-	513.28	149.12	534.87	4.96	1,202.22
35 mph	19,166.74	1,434.10	7,092.61	1,866.70	-	-	-	-	29,560.14
total	23,621.40	1,767.41	8,741.04	2,338.82	783.54	227.63	657.10	6.09	38,143.04

Total VMT Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	53.83	15.64	25.07	0.31	94.85
10 mph	7,628.20	570.76	2,822.80	956.46	540.13	156.92	230.33	2.14	12,907.73
15 mph	7,855.56	587.77	2,906.93	939.24	543.54	157.91	199.00	1.85	13,191.79
20 mph	6,219.10	465.33	2,301.36	793.34	451.18	131.07	430.37	3.99	10,795.75
25 mph	29,347.40	2,195.85	10,859.93	3,544.09	2,483.05	721.37	1,863.83	17.28	51,032.81
30 mph	33,331.00	2,493.91	12,334.06	4,152.08	2,338.41	679.35	1,598.21	14.82	56,941.84
35 mph	49,774.85	3,724.28	18,419.07	6,070.68	2,459.47	714.52	1,175.94	10.90	82,349.71
40 mph	14,281.62	1,068.59	5,284.88	2,387.46	1,487.42	432.12	1,145.13	10.62	26,097.83
45 mph	11,707.11	875.96	4,332.19	1,942.59	1,207.73	350.87	860.74	7.98	21,285.16
50 mph	12,289.82	919.55	4,547.82	2,083.47	1,303.10	378.57	775.86	7.19	22,305.38
55 mph	8,549.91	639.73	3,163.87	1,356.85	832.66	241.90	253.57	2.35	15,040.84
60 mph	13,020.90	974.26	4,818.35	1,727.56	997.72	289.86	9,803.76	90.91	31,723.32
65 mph	1,991.80	149.03	737.06	303.99	184.32	53.55	-	-	3,419.76
70 mph	26,804.29	2,005.56	9,918.86	6,480.28	4,387.08	1,274.52	-	-	50,870.60
total	222,801.55	16,670.57	82,447.19	32,738.09	19,215.80	5,582.53	18,336.75	170.04	397,962.51

Surface Street VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	100.25	0.10	31.01	34.29	468.43	309.83	1,378.21	2,502.56	4,824.68
15 mph	40.10	0.04	12.40	13.71	187.37	123.93	459.40	834.19	1,671.15
20 mph	80.20	0.08	24.81	27.43	374.75	247.87	918.81	1,668.37	3,342.31
25 mph	401.01	0.38	124.04	137.14	1,873.73	1,239.33	5,053.44	9,176.05	18,005.12
30 mph	441.12	0.42	136.45	150.86	2,061.10	1,363.26	4,594.04	8,341.86	17,089.10
35 mph	360.91	0.34	111.64	123.43	1,686.35	1,115.40	2,067.32	3,753.84	9,219.23
40 mph	120.30	0.11	37.21	41.14	562.12	371.80	2,297.02	4,170.93	7,600.64
45 mph	100.25	0.10	31.01	34.29	468.43	309.83	1,837.61	3,336.74	6,118.27
50 mph	100.25	0.10	31.01	34.29	468.43	309.83	2,986.12	5,422.21	9,352.24
55 mph	80.20	0.08	24.81	27.43	374.75	247.87	689.11	1,251.28	2,695.51
60 mph	160.41	0.15	49.62	54.86	749.49	495.73	689.11	1,251.28	3,450.64
65 mph	20.05	0.02	6.20	6.86	93.69	61.97	-	-	188.78
70 mph	-	-	-	-	-	-	-	-	-
total	2,005.07	1.91	620.20	685.72	9,368.63	6,196.65	22,970.18	41,709.30	83,557.66

Freeway VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	8.29	0.01	2.56	5.92	100.45	66.44	-	-	183.67
15 mph	8.29	0.01	2.56	5.92	100.45	66.44	-	-	183.67
20 mph	8.29	0.01	2.56	5.92	100.45	66.44	1,656.38	3,007.66	4,847.72
25 mph	16.58	0.02	5.13	11.84	200.90	132.88	2,898.67	5,263.41	8,529.43
30 mph	33.17	0.03	10.26	23.69	401.79	265.76	4,969.15	9,022.99	14,726.83
35 mph	74.62	0.07	23.08	53.30	904.03	597.95	4,969.15	9,022.99	15,645.19
40 mph	82.92	0.08	25.65	59.22	1,004.48	664.39	4,555.05	8,271.07	14,662.86
45 mph	66.33	0.06	20.52	47.38	803.58	531.51	3,312.76	6,015.33	10,797.48
50 mph	74.62	0.07	23.08	53.30	904.03	597.95	1,656.38	3,007.66	6,317.10
55 mph	41.46	0.04	12.82	29.61	502.24	332.19	828.19	1,503.83	3,250.39
60 mph	24.87	0.02	7.69	17.77	301.34	199.32	57,973.38	105,268.21	163,792.61
65 mph	8.29	0.01	2.56	5.92	100.45	66.44	-	-	183.67
70 mph	381.41	0.36	117.98	272.42	4,620.60	3,056.18	-	-	8,448.96
total	829.15	0.79	256.47	592.23	10,044.79	6,643.88	82,819.12	150,383.16	251,569.58

Internal VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	56.69	37.50	150.03	272.43	516.66
15 mph	63.39	0.06	19.61	19.85	284.65	188.27	731.38	1,328.03	2,635.23
25 mph	-	-	-	-	540.60	357.57	3,200.47	5,811.42	9,910.06
35 mph	272.73	0.26	84.36	78.47	-	-	-	-	435.83
total	336.12	0.32	103.97	98.32	825.25	545.84	3,931.84	7,139.45	12,981.12

Total VMT Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	56.69	37.50	150.03	272.43	516.66
10 mph	108.55	0.10	33.57	40.21	568.88	376.27	1,378.21	2,502.56	5,008.35
15 mph	111.78	0.11	34.58	39.48	572.47	378.64	1,190.78	2,162.22	4,490.06
20 mph	88.49	0.08	27.37	33.35	475.19	314.30	2,575.19	4,676.04	8,190.03
25 mph	417.60	0.40	129.17	148.99	2,615.22	1,729.77	11,152.58	20,250.88	36,444.61
30 mph	474.28	0.45	146.70	174.55	2,462.89	1,629.02	9,563.18	17,364.85	31,815.93
35 mph	708.27	0.68	219.08	255.20	2,590.38	1,713.35	7,036.46	12,776.83	25,300.25
40 mph	203.22	0.19	62.86	100.37	1,566.60	1,036.19	6,852.07	12,442.00	22,263.49
45 mph	166.59	0.16	51.53	81.66	1,272.01	841.34	5,150.38	9,352.07	16,915.74
50 mph	174.88	0.17	54.09	87.59	1,372.46	907.78	4,642.51	8,429.87	15,669.34
55 mph	121.66	0.12	37.63	57.04	876.98	580.06	1,517.30	2,755.11	5,945.90
60 mph	185.28	0.18	57.31	72.62	1,050.83	695.05	58,662.49	106,519.49	167,243.25
65 mph	28.34	0.03	8.77	12.78	194.13	128.41	-	-	372.45
70 mph	381.41	0.36	117.98	272.42	4,620.60	3,056.18	-	-	8,448.96
total	3,170.34	3.02	980.64	1,376.27	20,238.67	13,386.36	109,721.14	199,231.91	348,108.36

Surface Street VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	1,899.30	140.13	701.29	246.65	-	-	-	177.46	3,164.83
15 mph	759.72	56.05	280.52	98.66	-	-	-	59.15	1,254.10
20 mph	1,519.44	112.11	561.03	197.32	-	-	-	118.31	2,508.20
25 mph	7,597.20	560.53	2,805.15	986.59	-	-	-	650.70	12,600.17
30 mph	8,356.92	616.58	3,085.67	1,085.25	-	-	-	591.54	13,735.96
35 mph	6,837.48	504.47	2,524.64	887.93	-	-	-	266.19	11,020.72
40 mph	2,279.16	168.16	841.55	295.98	-	-	-	295.77	3,880.61
45 mph	1,899.30	140.13	701.29	246.65	-	-	-	236.62	3,223.99
50 mph	1,899.30	140.13	701.29	246.65	-	-	-	384.50	3,371.87
55 mph	1,519.44	112.11	561.03	197.32	-	-	-	88.73	2,478.63
60 mph	3,038.88	224.21	1,122.06	394.64	-	-	-	88.73	4,868.52
65 mph	379.86	28.03	140.26	49.33	-	-	-	-	597.47
70 mph	-	-	-	-	-	-	-	-	-
total	37,986.00	2,802.63	14,025.77	4,932.97	-	-	-	2,957.72	62,705.09

Freeway VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	157.08	11.59	58.00	42.60	-	-	-	-	269.28
15 mph	157.08	11.59	58.00	42.60	-	-	-	-	269.28
20 mph	157.08	11.59	58.00	42.60	-	-	-	213.28	482.56
25 mph	314.17	23.18	116.00	85.21	-	-	-	373.24	911.79
30 mph	628.33	46.36	232.00	170.41	-	-	-	639.84	1,716.95
35 mph	1,413.74	104.31	522.00	383.43	-	-	-	639.84	3,063.33
40 mph	1,570.83	115.90	580.00	426.04	-	-	-	586.52	3,279.29
45 mph	1,256.66	92.72	464.00	340.83	-	-	-	426.56	2,580.77
50 mph	1,413.74	104.31	522.00	383.43	-	-	-	213.28	2,636.77
55 mph	785.41	57.95	290.00	213.02	-	-	-	106.64	1,453.02
60 mph	471.25	34.77	174.00	127.81	-	-	-	7,464.84	8,272.67
65 mph	157.08	11.59	58.00	42.60	-	-	-	-	269.28
70 mph	7,225.80	533.12	2,668.02	1,959.76	-	-	-	-	12,386.71
total	15,708.27	1,158.97	5,800.04	4,260.36	-	-	-	10,664.06	37,591.69

Internal VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	19.32	19.32
15 mph	1,200.87	88.60	443.40	142.78	-	-	-	94.17	1,969.83
25 mph	-	-	-	-	-	-	-	412.10	412.10
35 mph	5,166.90	381.22	1,907.80	564.53	-	-	-	-	8,020.44
total	6,367.77	469.82	2,351.21	707.31	-	-	-	506.28	10,402.38

Total VMT Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	19.32	19.32
10 mph	2,056.38	151.72	759.29	289.25	-	-	-	177.46	3,434.11
15 mph	2,117.67	156.24	781.92	284.04	-	-	-	153.33	3,493.21
20 mph	1,676.52	123.69	619.03	239.92	-	-	-	331.59	2,990.76
25 mph	7,911.37	583.71	2,921.15	1,071.80	-	-	-	1,436.04	13,924.07
30 mph	8,985.25	662.94	3,317.67	1,255.67	-	-	-	1,231.39	15,452.91
35 mph	13,418.12	990.00	4,954.44	1,835.89	-	-	-	906.04	22,104.50
40 mph	3,849.99	284.05	1,421.55	722.01	-	-	-	882.29	7,159.90
45 mph	3,155.96	232.85	1,165.29	587.48	-	-	-	663.18	5,804.76
50 mph	3,313.04	244.44	1,223.29	630.08	-	-	-	597.78	6,008.64
55 mph	2,304.85	170.05	851.03	410.34	-	-	-	195.37	3,931.65
60 mph	3,510.13	258.98	1,296.06	522.45	-	-	-	7,553.57	13,141.19
65 mph	536.94	39.62	198.26	91.93	-	-	-	-	866.75
70 mph	7,225.80	533.12	2,668.02	1,959.76	-	-	-	-	12,386.71
total	36,165.32	2,668.30	13,353.51	4,976.58	-	-	-	4,235.85	110,699.16

World Logistics Center
Mobile Emissions - Medium EV 2035 (Net) - Mitigated
Area Source Diesel Vehicle Miles Traveled

Link	Vehicle Type	Average Speed (mph)	Trips Per Day	Trip Length (m)	Trip Length (mi)	Total Vehicle Miles Traveled	Total Gas VMT	Total Diesel VMT	Total Electric/NG VMT
Travel at High Cube Warehouse	LDA	15	26957	330	0.21	5661.1	4410.0	62.8	1188.8
	LDT1	15	1989	330	0.21	417.7	330.0	0.1	87.7
	LDT2	15	9954	330	0.21	2090.3	1631.9	19.4	439.0
	MDT	15	2999	330	0.21	629.8	468.6	19.7	141.7
	LHDT1	15	2635	330	0.21	553.3	269.5	283.8	0.0
	LHDT2	15	1267	330	0.21	266.0	78.3	187.7	0.0
	MHDT	15	4034	330	0.21	847.1	121.3	725.8	0.0
	HHDT	15	6726	330	0.21	1412.5	1.1	1317.9	93.5
Travel at Light Logistics	LDA	15	194	175	0.11	21.3	16.6	0.2	4.5
	LDT1	15	14	175	0.11	1.6	1.2	0.0	0.3
	LDT2	15	72	175	0.11	7.9	6.1	0.1	1.7
	MDT	15	18	175	0.11	2.0	1.5	0.1	0.4
	LHDT1	15	11	175	0.11	1.2	0.6	0.6	0.0
	LHDT2	15	5	175	0.11	0.6	0.2	0.4	0.0
	MHDT	15	13	175	0.11	1.4	0.2	1.2	0.0
	HHDT	15	22	175	0.11	2.4	0.0	2.2	0.2
Travel at Utility	LDA	15	219	100	0.06	13.1	10.2	0.1	2.8
	LDT1	15	16	100	0.06	1.0	0.8	0.0	0.2
	LDT2	15	81	100	0.06	4.9	3.8	0.0	1.0
	MDT	15	47	100	0.06	2.8	2.1	0.1	0.6
	LHDT1	15	7	100	0.06	0.4	0.2	0.2	0.0
	LHDT2	15	3	100	0.06	0.2	0.1	0.1	0.0
	MHDT	15	14	100	0.06	0.8	0.1	0.7	0.0
	HHDT	15	23	100	0.06	1.4	0.0	1.3	0.1
Travel at Gas Station/Convenience Store	LDA	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	142	50	0.03	4.3	0.6	3.7	0.0
	HHDT	15	237	50	0.03	7.1	0.0	6.6	0.5
Travel at Convenience Store	LDA	15	669	50	0.03	20.1	15.6	0.2	4.2
	LDT1	15	49	50	0.03	1.5	1.2	0.0	0.3
	LDT2	15	247	50	0.03	7.4	5.8	0.1	1.6
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
Travel at Fire Station	LDA	15	95	50	0.03	2.8	2.2	0.0	0.6
	LDT1	15	7	50	0.03	0.2	0.2	0.0	0.0
	LDT2	15	35	50	0.03	1.1	0.8	0.0	0.2
	MDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT1	15	0	50	0.03	0.0	0.0	0.0	0.0
	LHDT2	15	0	50	0.03	0.0	0.0	0.0	0.0
	MHDT	15	0	50	0.03	0.0	0.0	0.0	0.0
	HHDT	15	0	50	0.03	0.0	0.0	0.0	0.0

Total Vehicle Miles Traveled

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	4454.7	333.3	1648.4	472.1	270.3	78.5	122.2	1.1
Diesel	63.4	0.1	19.6	19.8	284.6	188.3	731.4	1328.0
Electric/Natural Gas (HHDT Only)	1200.9	88.6	443.4	142.8	0.0	0.0	0.0	94.2

World Logistics Center
Mobile Emissions - Medium EV 2035 (Net) - Mitigated
On-Site Idling

Link	Vehicle Type	Idle Time (min)	Idling Vehicles Per Day	Total Gas Idling Vehicles	Total Diesel Idling Vehicles	Total Electric/NG Idling Vehicles	Total Gas Idling (min)	Total Diesel Idling (min)	Total Electric/NG Idling (min)
Travel at High Cube Warehouse	LHDT1	5	1317	642	676	0	3208.2	3378.9	0.0
	LHDT2	5	633	186	447	0	932.0	2234.9	0.0
	MHDT	5	2017	289	1728	0	1444.0	8640.4	0.0
	HHDT	5	3363	3	3138	223	13.4	15689.2	1112.6
Travel at Light Logistics	LHDT1	5	5	3	3	0	12.9	13.6	0.0
	LHDT2	5	3	1	2	0	3.7	9.0	0.0
	MHDT	5	7	1	6	0	4.7	27.9	0.0
	HHDT	5	11	0	10	1	0.0	50.7	3.6
Travel at Utility	LHDT1	5	4	2	2	0	8.7	9.1	0.0
	LHDT2	5	2	1	1	0	2.5	6.0	0.0
	MHDT	5	7	1	6	0	4.9	29.1	0.0
	HHDT	5	11	0	11	1	0.0	52.8	3.7
Travel at Gas Station/Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	71	10	61	0	50.9	304.6	0.0
	HHDT	5	119	0	111	8	0.5	553.2	39.2
Travel at Convenience Store	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0
Travel at Fire Station	LHDT1	5	0	0	0	0	0.0	0.0	0.0
	LHDT2	5	0	0	0	0	0.0	0.0	0.0
	MHDT	5	0	0	0	0	0.0	0.0	0.0
	HHDT	5	0	0	0	0	0.0	0.0	0.0

Total Idling Hours

	LHDT1	LHDT2	MHDT	HHDT
Gas	53.8	15.6	25.1	0.3
Diesel	56.7	37.5	150.0	272.4
Electric/Natural Gas (HHDT Only)	0.0	0.0	0.0	19.3

World Logistics Center
Mobile Emissions - Medium EV 2035 (Net) - Mitigated
PM2.5 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - PM2.5

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.0353	0.0342	0.0348	0.0356
10 mph	0.0028	0.0033	0.0030	0.0031	0.0044	0.0043	0.0044	0.0045
15 mph	0.0019	0.0022	0.0020	0.0021	0.0029	0.0029	0.0029	0.0030
20 mph	0.0013	0.0015	0.0014	0.0015	0.0021	0.0020	0.0020	0.0021
25 mph	0.0010	0.0011	0.0010	0.0011	0.0015	0.0015	0.0015	0.0015
30 mph	0.0008	0.0009	0.0008	0.0008	0.0012	0.0012	0.0012	0.0012
35 mph	0.0006	0.0007	0.0007	0.0007	0.0010	0.0009	0.0010	0.0010
40 mph	0.0005	0.0006	0.0006	0.0006	0.0008	0.0008	0.0008	0.0009
45 mph	0.0005	0.0006	0.0005	0.0005	0.0008	0.0007	0.0008	0.0008
50 mph	0.0005	0.0006	0.0005	0.0005	0.0007	0.0007	0.0007	0.0008
55 mph	0.0005	0.0006	0.0005	0.0005	0.0008	0.0007	0.0008	0.0008
60 mph	0.0005	0.0006	0.0006	0.0006	0.0008	0.0008	0.0008	0.0008
65 mph	0.0006	0.0007	0.0006	0.0007	0.0009	0.0009		
70 mph	0.0007	0.0007	0.0007	0.0007	0.0010	0.0010		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.7599	0.7612	0.0070	0.0096
10 mph	0.0023	0.0213	0.0083	0.0028	0.0152	0.0271	0.0041	0.0101
15 mph	0.0020	0.0169	0.0072	0.0024	0.0125	0.0228	0.0033	0.0079
20 mph	0.0017	0.0134	0.0062	0.0020	0.0106	0.0194	0.0028	0.0058
25 mph	0.0014	0.0108	0.0053	0.0017	0.0089	0.0165	0.0026	0.0059
30 mph	0.0013	0.0090	0.0047	0.0016	0.0079	0.0146	0.0029	0.0064
35 mph	0.0011	0.0076	0.0042	0.0014	0.0072	0.0132	0.0035	0.0078
40 mph	0.0010	0.0069	0.0039	0.0013	0.0067	0.0121	0.0045	0.0100
45 mph	0.0010	0.0065	0.0036	0.0012	0.0062	0.0113	0.0058	0.0131
50 mph	0.0009	0.0061	0.0034	0.0011	0.0059	0.0107	0.0075	0.0168
55 mph	0.0009	0.0062	0.0032	0.0011	0.0056	0.0101	0.0096	0.0220
60 mph	0.0008	0.0065	0.0031	0.0010	0.0056	0.0099	0.0120	0.0271
65 mph	0.0009	0.0065	0.0031	0.0011	0.0058	0.0102		
70 mph	0.0009	0.0044	0.0031	0.0012	0.0079	0.0119		

*Idling emission factor - g/hour
Idling emission factor for LHDT1, LHDT2, MHDT, HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0203
10 mph								0.0051
15 mph								0.0043
20 mph								0.0038
25 mph								0.0034
30 mph								0.0031
35 mph								0.0029
40 mph								0.0028
45 mph								0.0027
50 mph								0.0026
55 mph								-
60 mph								-
65 mph								
70 mph								

PM2.5 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0442	0.0038	0.0175	0.0056	0.0044	0.0012	0.0022	0.0000	0.0790
15 mph	0.0117	0.0010	0.0046	0.0015	0.0012	0.0003	0.0005	0.0000	0.0209
20 mph	0.0164	0.0014	0.0065	0.0021	0.0016	0.0005	0.0007	0.0000	0.0292
25 mph	0.0606	0.0053	0.0240	0.0077	0.0060	0.0017	0.0028	0.0000	0.1082
30 mph	0.0519	0.0045	0.0206	0.0066	0.0051	0.0014	0.0020	0.0000	0.0922
35 mph	0.0349	0.0030	0.0138	0.0045	0.0034	0.0010	0.0007	0.0000	0.0614
40 mph	0.0101	0.0009	0.0040	0.0013	0.0010	0.0003	0.0007	0.0000	0.0182
45 mph	0.0077	0.0007	0.0030	0.0010	0.0008	0.0002	0.0005	0.0000	0.0139
50 mph	0.0074	0.0006	0.0029	0.0009	0.0007	0.0002	0.0008	0.0000	0.0137
55 mph	0.0061	0.0005	0.0024	0.0008	0.0006	0.0002	0.0002	0.0000	0.0107
60 mph	0.0130	0.0011	0.0051	0.0017	0.0013	0.0004	0.0002	0.0000	0.0228
65 mph	0.0018	0.0002	0.0007	0.0002	0.0002	0.0001	-	-	0.0032
70 mph	-	-	-	-	-	-	-	-	-
total	0.2660	0.0231	0.1053	0.0339	0.0262	0.0074	0.0114	0.0001	0.4735

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0037	0.0003	0.0014	0.0010	0.0009	0.0003	-	-	0.0076
15 mph	0.0024	0.0002	0.0010	0.0006	0.0006	0.0002	-	-	0.0050
20 mph	0.0017	0.0001	0.0007	0.0005	0.0004	0.0001	0.0012	0.0000	0.0048
25 mph	0.0025	0.0002	0.0010	0.0007	0.0006	0.0002	0.0016	0.0000	0.0068
30 mph	0.0039	0.0003	0.0015	0.0010	0.0010	0.0003	0.0022	0.0000	0.0103
35 mph	0.0072	0.0006	0.0029	0.0019	0.0018	0.0005	0.0018	0.0000	0.0168
40 mph	0.0070	0.0006	0.0028	0.0019	0.0018	0.0005	0.0014	0.0000	0.0159
45 mph	0.0051	0.0004	0.0020	0.0014	0.0013	0.0004	0.0009	0.0000	0.0115
50 mph	0.0055	0.0005	0.0022	0.0015	0.0014	0.0004	0.0005	0.0000	0.0119
55 mph	0.0031	0.0003	0.0012	0.0008	0.0008	0.0002	0.0002	0.0000	0.0067
60 mph	0.0020	0.0002	0.0008	0.0005	0.0005	0.0001	0.0173	0.0002	0.0217
65 mph	0.0008	0.0001	0.0003	0.0002	0.0002	0.0001	-	-	0.0016
70 mph	0.0386	0.0033	0.0148	0.0102	0.0098	0.0027	-	-	0.0794
total	0.0835	0.0072	0.0326	0.0221	0.0212	0.0060	0.0271	0.0003	0.2000

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0042	0.0012	0.0019	0.0000	0.0073
15 mph	0.0185	0.0016	0.0073	0.0022	0.0018	0.0005	0.0008	0.0000	0.0327
25 mph	-	-	-	-	0.0017	0.0005	0.0018	0.0000	0.0040
35 mph	0.0264	0.0023	0.0104	0.0028	-	-	-	-	0.0420
total	0.0449	0.0039	0.0178	0.0050	0.0077	0.0022	0.0045	0.0000	0.0860

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0042	0.0012	0.0019	0.0000	0.0073
10 mph	0.0479	0.0042	0.0189	0.0066	0.0053	0.0015	0.0022	0.0000	0.0866
15 mph	0.0327	0.0028	0.0129	0.0043	0.0035	0.0010	0.0013	0.0000	0.0586
20 mph	0.0181	0.0016	0.0072	0.0025	0.0021	0.0006	0.0019	0.0000	0.0340
25 mph	0.0631	0.0055	0.0250	0.0084	0.0083	0.0024	0.0062	0.0001	0.1190
30 mph	0.0559	0.0049	0.0221	0.0077	0.0061	0.0017	0.0041	0.0000	0.1025
35 mph	0.0685	0.0060	0.0271	0.0092	0.0053	0.0015	0.0025	0.0000	0.1201
40 mph	0.0171	0.0015	0.0067	0.0031	0.0028	0.0008	0.0021	0.0000	0.0341
45 mph	0.0128	0.0011	0.0051	0.0023	0.0021	0.0006	0.0015	0.0000	0.0254
50 mph	0.0130	0.0011	0.0051	0.0024	0.0021	0.0006	0.0013	0.0000	0.0257
55 mph	0.0092	0.0008	0.0036	0.0016	0.0014	0.0004	0.0004	0.0000	0.0174
60 mph	0.0150	0.0013	0.0059	0.0022	0.0018	0.0005	0.0175	0.0002	0.0445
65 mph	0.0026	0.0002	0.0010	0.0004	0.0004	0.0001	-	-	0.0048
70 mph	0.0386	0.0033	0.0148	0.0102	0.0098	0.0027	-	-	0.0794
total	0.3945	0.0342	0.1556	0.0611	0.0551	0.0155	0.0430	0.0004	0.7595

PM2.5 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0005	0.0000	0.0006	0.0002	0.0157	0.0185	0.0125	0.0559	0.1039
15 mph	0.0002	0.0000	0.0002	0.0001	0.0052	0.0062	0.0033	0.0144	0.0296
20 mph	0.0003	0.0000	0.0003	0.0001	0.0087	0.0106	0.0056	0.0213	0.0470
25 mph	0.0013	0.0000	0.0014	0.0005	0.0369	0.0450	0.0294	0.1192	0.2337
30 mph	0.0012	0.0000	0.0014	0.0005	0.0359	0.0437	0.0292	0.1182	0.2302
35 mph	0.0009	0.0000	0.0010	0.0004	0.0268	0.0324	0.0159	0.0644	0.1419
40 mph	0.0003	0.0000	0.0003	0.0001	0.0082	0.0099	0.0226	0.0920	0.1335
45 mph	0.0002	0.0000	0.0002	0.0001	0.0064	0.0077	0.0235	0.0962	0.1343
50 mph	0.0002	0.0000	0.0002	0.0001	0.0061	0.0073	0.0494	0.2006	0.2639
55 mph	0.0002	0.0000	0.0002	0.0001	0.0046	0.0055	0.0145	0.0606	0.0857
60 mph	0.0003	0.0000	0.0003	0.0001	0.0092	0.0109	0.0182	0.0749	0.1139
65 mph	0.0000	0.0000	0.0000	0.0000	0.0012	0.0014	-	-	0.0027
70 mph	-	-	-	-	-	-	-	-	-
total	0.0056	0.0000	0.0064	0.0023	0.1651	0.1992	0.2241	0.9177	1.5204

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0000	0.0000	0.0000	0.0000	0.0034	0.0040	-	-	0.0075
15 mph	0.0000	0.0000	0.0000	0.0000	0.0028	0.0033	-	-	0.0062
20 mph	0.0000	0.0000	0.0000	0.0000	0.0023	0.0028	0.0101	0.0384	0.0538
25 mph	0.0001	0.0000	0.0001	0.0000	0.0040	0.0048	0.0169	0.0684	0.0942
30 mph	0.0001	0.0000	0.0001	0.0001	0.0070	0.0085	0.0316	0.1279	0.1753
35 mph	0.0002	0.0000	0.0002	0.0002	0.0144	0.0174	0.0382	0.1549	0.2254
40 mph	0.0002	0.0000	0.0002	0.0002	0.0147	0.0178	0.0448	0.1825	0.2603
45 mph	0.0001	0.0000	0.0002	0.0001	0.0110	0.0132	0.0423	0.1734	0.2404
50 mph	0.0002	0.0000	0.0002	0.0001	0.0118	0.0141	0.0274	0.1113	0.1650
55 mph	0.0001	0.0000	0.0001	0.0001	0.0062	0.0074	0.0175	0.0728	0.1041
60 mph	0.0000	0.0000	0.0001	0.0000	0.0037	0.0044	1.5346	6.2974	7.8402
65 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0015	-	-	0.0028
70 mph	0.0008	0.0000	0.0008	0.0007	0.0803	0.0803	-	-	0.1629
total	0.0018	0.0000	0.0020	0.0016	0.1629	0.1795	1.7634	7.2268	9.3380

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0950	0.0629	0.0023	0.0058	0.1660
15 mph	0.0003	0.0000	0.0003	0.0001	0.0078	0.0095	0.0052	0.0230	0.0462
25 mph	-	-	-	-	0.0106	0.0130	0.0186	0.0755	0.1178
35 mph	0.0007	0.0000	0.0008	0.0002	-	-	-	-	0.0017
total	0.0010	0.0000	0.0011	0.0003	0.1135	0.0854	0.0262	0.1043	0.3318

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0950	0.0629	0.0023	0.0058	0.1660
10 mph	0.0005	0.0000	0.0006	0.0002	0.0191	0.0225	0.0125	0.0559	0.1114
15 mph	0.0005	0.0000	0.0006	0.0002	0.0157	0.0191	0.0085	0.0374	0.0820
20 mph	0.0003	0.0000	0.0004	0.0001	0.0111	0.0134	0.0157	0.0597	0.1008
25 mph	0.0013	0.0000	0.0015	0.0006	0.0515	0.0628	0.0649	0.2631	0.4457
30 mph	0.0013	0.0000	0.0015	0.0006	0.0429	0.0523	0.0608	0.2461	0.4055
35 mph	0.0018	0.0000	0.0020	0.0008	0.0412	0.0498	0.0541	0.2193	0.3690
40 mph	0.0005	0.0000	0.0005	0.0003	0.0230	0.0277	0.0674	0.2745	0.3938
45 mph	0.0004	0.0000	0.0004	0.0002	0.0175	0.0209	0.0658	0.2695	0.3747
50 mph	0.0004	0.0000	0.0004	0.0002	0.0179	0.0213	0.0768	0.3119	0.4289
55 mph	0.0002	0.0000	0.0003	0.0001	0.0108	0.0129	0.0320	0.1334	0.1898
60 mph	0.0003	0.0000	0.0004	0.0002	0.0129	0.0152	1.5529	6.3722	7.9541
65 mph	0.0001	0.0000	0.0001	0.0000	0.0025	0.0029	-	-	0.0055
70 mph	0.0008	0.0000	0.0008	0.0007	0.0803	0.0803	-	-	0.1629
total	0.0084	0.0001	0.0095	0.0043	0.4414	0.4640	2.0137	8.2488	11.1902

PM2.5 Emissions (pounds/day) - Electric

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.0020	0.0020
15 mph								0.0006	0.0006
20 mph								0.0010	0.0010
25 mph								0.0049	0.0049
30 mph								0.0041	0.0041
35 mph								0.0017	0.0017
40 mph								0.0018	0.0018
45 mph								0.0014	0.0014
50 mph								0.0022	0.0022
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0197	0.0197

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.0018	0.0018
25 mph								0.0028	0.0028
30 mph								0.0044	0.0044
35 mph								0.0041	0.0041
40 mph								0.0036	0.0036
45 mph								0.0025	0.0025
50 mph								0.0012	0.0012
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0131	0.0131

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
15 mph								0.0009	0.0009
25 mph								0.0031	0.0031
35 mph								-	-
total	-	-	-	-	-	-	-	0.0049	0.0049

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0009	0.0009
10 mph								0.0020	0.0020
15 mph								0.0015	0.0015
20 mph								0.0027	0.0027
25 mph								0.0108	0.0108
30 mph								0.0085	0.0085
35 mph								0.0059	0.0059
40 mph								0.0054	0.0054
45 mph								0.0039	0.0039
50 mph								0.0034	0.0034
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	0.0450	0.0450

PM2.5 Emissions

Total PM2.5 Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0992	0.0641	0.0042	0.0067	0.1742
10 mph	0.0484	0.0042	0.0196	0.0068	0.0244	0.0239	0.0147	0.0579	0.2000
15 mph	0.0332	0.0028	0.0135	0.0045	0.0193	0.0201	0.0098	0.0389	0.1421
20 mph	0.0184	0.0016	0.0076	0.0027	0.0131	0.0140	0.0177	0.0624	0.1375
25 mph	0.0645	0.0055	0.0265	0.0090	0.0598	0.0651	0.0711	0.2739	0.5755
30 mph	0.0572	0.0049	0.0236	0.0083	0.0491	0.0540	0.0649	0.2547	0.5166
35 mph	0.0703	0.0060	0.0292	0.0100	0.0465	0.0513	0.0566	0.2252	0.4950
40 mph	0.0175	0.0015	0.0073	0.0034	0.0258	0.0285	0.0695	0.2799	0.4334
45 mph	0.0132	0.0011	0.0055	0.0026	0.0195	0.0215	0.0672	0.2735	0.4041
50 mph	0.0133	0.0011	0.0055	0.0026	0.0201	0.0219	0.0780	0.3154	0.4581
55 mph	0.0094	0.0008	0.0039	0.0017	0.0122	0.0133	0.0325	0.1334	0.2073
60 mph	0.0154	0.0013	0.0063	0.0024	0.0147	0.0157	1.5704	6.3724	7.9986
65 mph	0.0027	0.0002	0.0011	0.0005	0.0029	0.0030	-	-	0.0103
70 mph	0.0394	0.0033	0.0156	0.0109	0.0900	0.0830	-	-	0.2423
STREX	0.0078	0.0007	0.0030	0.0043	0.0005	0.0001	0.0003	0.0000	0.0168
total	0.4107	0.0349	0.1681	0.0697	0.4971	0.4797	2.0570	8.2943	**12.0115**

EMFAC2017 STREX Emission Factors (g/trip) - PM2.5

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0009	0.0010	0.0010	0.0010	0.0003	0.0003	0.0004	0.0004
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0078	0.0007	0.0030	0.0043	0.0005	0.0001	0.0003	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.0078	0.0007	0.0030	0.0043	0.0005	0.0001	0.0003	0.0000

PM2.5 Emissions

Brake and Tire Dust Emissions Factors - g/mi (EMFAC2017)

Gas

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0030	0.0050
Total	0.0178	0.0178	0.0178	0.0178	0.0348	0.0402	0.0589	0.0315

Diesel

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	0.0328	0.0382	0.0559	0.0260
Tires	0.0020	0.0020	0.0020	0.0020	0.0030	0.0030	0.0030	0.0089
Total	0.0178	0.0178	0.0178	0.0178	0.0358	0.0412	0.0589	0.0349

Electric/Natural Gas (HHDT Only)

Source	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Brake	0.0158	0.0158	0.0158	0.0158	-	-	-	0.0265
Tires	0.0020	0.0020	0.0020	0.0020	-	-	-	0.0090
Total	0.0178	0.0178	0.0178	0.0178	-	-	-	0.0355

Brake and Tire Dust Emissions (pounds/day)

Surface Streets

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	5.5150	0.4126	2.0408	0.6384	0.6818	0.2292	0.4982	0.0025
Diesel	0.0785	0.0001	0.0243	0.0268	0.7387	0.5632	2.9812	3.2098
Electric/NG	1.4867	0.1097	0.5490	0.1931	-	-	-	0.2313
Total	7.0802	0.5224	2.6141	0.8583	1.4205	0.7924	3.4794	3.4435

Freeway

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	2.2806	0.1706	0.8439	0.5514	0.7310	0.2457	1.7964	0.0089
Diesel	0.0325	0.0000	0.0100	0.0232	0.7920	0.6039	10.7488	11.5729
Electric/NG	0.6148	0.0454	0.2270	0.1667	-	-	-	0.8338
Total	2.9279	0.2160	1.0810	0.7413	1.5230	0.8496	12.5451	12.4156

Internal

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.9245	0.0692	0.3421	0.0915	0.0601	0.0202	0.0853	0.0004
Diesel	0.0132	0.0000	0.0041	0.0038	0.0651	0.0496	0.5103	0.5494
Electric/NG	0.2492	0.0184	0.0920	0.0277	-	-	-	0.0396
Total	1.1869	0.0876	0.4382	0.1231	0.1251	0.0698	0.5956	0.5894

Total

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	Total
Gas	8.7202	0.6525	3.2269	1.2813	1.4728	0.4951	2.3799	0.0118	18.2404
Diesel	0.1241	0.0001	0.0384	0.0539	1.5958	1.2167	14.2403	15.3321	32.6014
Electric/NG	2.3508	0.1734	0.8680	0.3875	-	-	-	1.1047	4.8843
Total	11.1950	0.8260	4.1332	1.7227	3.0686	1.7118	16.6202	16.4486	**55.7262**

Paved Road Dust (pounds/day)

Source	PM2.5
Off-Site	33.8917
Internal	23.1650
Total	**57.0567**

Black Carbon

percent of PM2.5 Exhaust	
LDT1, LDT2, MDT	0.6400
LHDT1, LDHT2, MHDT, HHDT	0.7700

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0764	0.0494	0.0033	0.0051	0.1341
10 mph	0.0310	0.0027	0.0125	0.0044	0.0188	0.0184	0.0114	0.0446	0.1437
15 mph	0.0212	0.0018	0.0086	0.0029	0.0148	0.0154	0.0076	0.0300	0.1024
20 mph	0.0118	0.0010	0.0048	0.0017	0.0101	0.0108	0.0136	0.0481	0.1020
25 mph	0.0412	0.0035	0.0170	0.0058	0.0461	0.0501	0.0548	0.2109	0.4294
30 mph	0.0366	0.0031	0.0151	0.0053	0.0378	0.0416	0.0500	0.1961	0.3855
35 mph	0.0450	0.0038	0.0187	0.0064	0.0358	0.0395	0.0436	0.1734	0.3662
40 mph	0.0112	0.0010	0.0047	0.0022	0.0198	0.0219	0.0535	0.2155	0.3298
45 mph	0.0084	0.0007	0.0035	0.0016	0.0150	0.0166	0.0518	0.2106	0.3082
50 mph	0.0085	0.0007	0.0035	0.0017	0.0155	0.0169	0.0601	0.2429	0.3498
55 mph	0.0060	0.0005	0.0025	0.0011	0.0094	0.0102	0.0250	0.1027	0.1575
60 mph	0.0098	0.0008	0.0040	0.0015	0.0113	0.0121	1.2092	4.9067	6.1556
65 mph	0.0017	0.0001	0.0007	0.0003	0.0022	0.0023	-	-	0.0074
70 mph	0.0252	0.0021	0.0100	0.0070	0.0693	0.0639	-	-	0.1775
total	0.2578	0.0219	0.1057	0.0419	0.3824	0.3692	1.5836	6.3866	9.1492

World Logistics Center
Mobile Emissions - Medium EV 2035 (Net) - Mitigated
N2O Emissions

EMFAC2017 Emission Factors (g/mi) - N2O

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0036	0.0066	0.0066	0.0066	0.0134	0.0134	0.0134	0.0134
10 mph	0.0045	0.0054	0.0052	0.0055	0.0064	0.0072	0.0139	0.2046
15 mph	0.0040	0.0047	0.0046	0.0048	0.0056	0.0063	0.0123	0.1805
20 mph	0.0036	0.0042	0.0041	0.0043	0.0051	0.0057	0.0110	0.1619
25 mph	0.0033	0.0039	0.0037	0.0039	0.0046	0.0052	0.0100	0.1478
30 mph	0.0030	0.0036	0.0035	0.0037	0.0043	0.0048	0.0093	0.1371
35 mph	0.0029	0.0034	0.0033	0.0035	0.0041	0.0046	0.0087	0.1291
40 mph	0.0028	0.0032	0.0031	0.0033	0.0039	0.0043	0.0083	0.1232
45 mph	0.0027	0.0031	0.0030	0.0032	0.0038	0.0042	0.0081	0.1195
50 mph	0.0026	0.0031	0.0030	0.0032	0.0037	0.0042	0.0079	0.1181
55 mph	0.0027	0.0031	0.0030	0.0032	0.0038	0.0042	0.0080	0.1191
60 mph	0.0028	0.0033	0.0031	0.0034	0.0039	0.0044	0.0083	0.1229
65 mph	0.0029	0.0034	0.0033	0.0035	0.0041	0.0046	0.0087	0.1293
70 mph	0.0031	0.0037	0.0034	0.0037	0.0044	0.0047	0.0085	0.1347

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle	0.0010	0.0015	0.0015	0.0048	0.0048	0.0048	0.0048	0.0048
10 mph	0.0527	0.1072	0.0703	0.0875	0.1320	0.1478	0.2552	0.3632
15 mph	0.0434	0.0891	0.0583	0.0742	0.0860	0.0981	0.2007	0.2824
20 mph	0.0356	0.0731	0.0479	0.0616	0.0734	0.0838	0.1714	0.2446
25 mph	0.0298	0.0611	0.0402	0.0521	0.0651	0.0746	0.1496	0.2027
30 mph	0.0258	0.0525	0.0347	0.0451	0.0591	0.0674	0.1313	0.1782
35 mph	0.0233	0.0470	0.0313	0.0409	0.0592	0.0675	0.1173	0.1595
40 mph	0.0219	0.0438	0.0293	0.0383	0.0576	0.0650	0.1075	0.1466
45 mph	0.0211	0.0423	0.0282	0.0368	0.0562	0.0626	0.1019	0.1394
50 mph	0.0212	0.0422	0.0282	0.0370	0.0590	0.0649	0.1006	0.1371
55 mph	0.0221	0.0442	0.0295	0.0391	0.0615	0.0671	0.1035	0.1427
60 mph	0.0240	0.0480	0.0320	0.0423	0.0622	0.0673	0.1106	0.1514
65 mph	0.0270	0.0535	0.0359	0.0476	0.0630	0.0676	0.1220	0.1640
70 mph	0.0293	0.0557	0.0386	0.0515	0.0637	0.0685	0.1232	0.1669

*US EPA Emission Factors for Greenhouse Gas Inventories. (Idling)
https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								0.0134
10 mph								0.8140
15 mph								0.6830
20 mph								0.5964
25 mph								0.5501
30 mph								0.5205
35 mph								0.4971
40 mph								0.4779
45 mph								0.4617
50 mph								0.4479
55 mph								-
60 mph								-
65 mph								
70 mph								

N2O Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0705	0.0063	0.0299	0.0099	0.0063	0.0021	0.0071	0.0010	0.1330
15 mph	0.0247	0.0022	0.0105	0.0035	0.0022	0.0007	0.0021	0.0003	0.0461
20 mph	0.0444	0.0039	0.0188	0.0062	0.0040	0.0013	0.0037	0.0005	0.0830
25 mph	0.2031	0.0179	0.0857	0.0284	0.0181	0.0059	0.0187	0.0026	0.3804
30 mph	0.2080	0.0183	0.0874	0.0290	0.0185	0.0060	0.0157	0.0022	0.3852
35 mph	0.1610	0.0141	0.0674	0.0224	0.0143	0.0047	0.0066	0.0009	0.2914
40 mph	0.0513	0.0045	0.0214	0.0071	0.0046	0.0015	0.0070	0.0010	0.0985
45 mph	0.0414	0.0036	0.0173	0.0058	0.0037	0.0012	0.0055	0.0008	0.0792
50 mph	0.0409	0.0036	0.0171	0.0057	0.0037	0.0012	0.0087	0.0012	0.0821
55 mph	0.0331	0.0029	0.0139	0.0046	0.0030	0.0010	0.0020	0.0003	0.0607
60 mph	0.0687	0.0061	0.0289	0.0097	0.0061	0.0020	0.0021	0.0003	0.1239
65 mph	0.0090	0.0008	0.0038	0.0013	0.0008	0.0003	-	-	0.0159
70 mph	-	-	-	-	-	-	-	-	-
total	0.9560	0.0844	0.4022	0.1336	0.0853	0.0277	0.0793	0.0109	1.7793

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0058	0.0005	0.0025	0.0017	0.0014	0.0004	-	-	0.0123
15 mph	0.0051	0.0005	0.0022	0.0015	0.0012	0.0004	-	-	0.0108
20 mph	0.0046	0.0004	0.0019	0.0013	0.0011	0.0003	0.0067	0.0009	0.0173
25 mph	0.0084	0.0007	0.0035	0.0025	0.0019	0.0006	0.0107	0.0015	0.0299
30 mph	0.0156	0.0014	0.0066	0.0046	0.0036	0.0012	0.0170	0.0023	0.0523
35 mph	0.0333	0.0029	0.0139	0.0097	0.0077	0.0025	0.0160	0.0022	0.0882
40 mph	0.0354	0.0031	0.0148	0.0103	0.0082	0.0027	0.0140	0.0019	0.0902
45 mph	0.0274	0.0024	0.0114	0.0080	0.0063	0.0021	0.0098	0.0014	0.0688
50 mph	0.0304	0.0027	0.0127	0.0089	0.0071	0.0023	0.0049	0.0007	0.0696
55 mph	0.0171	0.0015	0.0072	0.0050	0.0040	0.0013	0.0024	0.0003	0.0388
60 mph	0.0107	0.0009	0.0045	0.0031	0.0025	0.0008	0.1768	0.0243	0.2236
65 mph	0.0037	0.0003	0.0016	0.0011	0.0009	0.0003	-	-	0.0079
70 mph	0.1814	0.0162	0.0746	0.0535	0.0424	0.0133	-	-	0.3815
total	0.3789	0.0336	0.1574	0.1111	0.0881	0.0281	0.2583	0.0355	1.0911

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0016	0.0005	0.0007	0.0000	0.0028
15 mph	0.0390	0.0035	0.0166	0.0050	0.0034	0.0011	0.0033	0.0005	0.0723
25 mph	-	-	-	-	0.0052	0.0017	0.0118	0.0016	0.0204
35 mph	0.1216	0.0107	0.0509	0.0142	-	-	-	-	0.1975
total	0.1607	0.0142	0.0675	0.0193	0.0102	0.0032	0.0159	0.0021	0.2930

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0016	0.0005	0.0007	0.0000	0.0028
10 mph	0.0763	0.0068	0.0324	0.0117	0.0077	0.0025	0.0071	0.0010	0.1453
15 mph	0.0689	0.0061	0.0292	0.0100	0.0067	0.0022	0.0054	0.0007	0.1293
20 mph	0.0490	0.0043	0.0208	0.0076	0.0051	0.0016	0.0104	0.0014	0.1003
25 mph	0.2115	0.0187	0.0893	0.0309	0.0253	0.0082	0.0412	0.0056	0.4306
30 mph	0.2236	0.0197	0.0940	0.0336	0.0222	0.0072	0.0327	0.0045	0.4374
35 mph	0.3159	0.0278	0.1322	0.0463	0.0220	0.0072	0.0226	0.0031	0.5771
40 mph	0.0867	0.0076	0.0362	0.0174	0.0127	0.0041	0.0210	0.0029	0.1887
45 mph	0.0687	0.0060	0.0287	0.0137	0.0100	0.0033	0.0153	0.0021	0.1479
50 mph	0.0714	0.0063	0.0298	0.0146	0.0107	0.0035	0.0136	0.0019	0.1517
55 mph	0.0502	0.0044	0.0210	0.0096	0.0069	0.0022	0.0045	0.0006	0.0995
60 mph	0.0793	0.0070	0.0334	0.0128	0.0086	0.0028	0.1789	0.0246	0.3475
65 mph	0.0127	0.0011	0.0054	0.0024	0.0017	0.0005	-	-	0.0238
70 mph	0.1814	0.0162	0.0746	0.0535	0.0424	0.0133	-	-	0.3815
total	1.4956	0.1321	0.6271	0.2640	0.1836	0.0591	0.3535	0.0485	3.1634

N2O Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0117	0.0000	0.0048	0.0066	0.1363	0.1010	0.7755	2.0040	3.0400
15 mph	0.0038	0.0000	0.0016	0.0022	0.0355	0.0268	0.2033	0.5194	0.7927
20 mph	0.0063	0.0000	0.0026	0.0037	0.0606	0.0458	0.3473	0.8997	1.3660
25 mph	0.0264	0.0001	0.0110	0.0158	0.2688	0.2040	1.6666	4.1013	6.2937
30 mph	0.0251	0.0000	0.0105	0.0150	0.2687	0.2025	1.3304	3.2769	5.1291
35 mph	0.0186	0.0000	0.0077	0.0111	0.2201	0.1659	0.5348	1.3204	2.2787
40 mph	0.0058	0.0000	0.0024	0.0035	0.0714	0.0533	0.5447	1.3484	2.0295
45 mph	0.0047	0.0000	0.0019	0.0028	0.0581	0.0427	0.4131	1.0260	1.5493
50 mph	0.0047	0.0000	0.0019	0.0028	0.0609	0.0443	0.6625	1.6395	2.4167
55 mph	0.0039	0.0000	0.0016	0.0024	0.0509	0.0367	0.1573	0.3937	0.6465
60 mph	0.0085	0.0000	0.0035	0.0051	0.1027	0.0736	0.1681	0.4178	0.7793
65 mph	0.0012	0.0000	0.0005	0.0007	0.0130	0.0092	-	-	0.0247
70 mph	-	-	-	-	-	-	-	-	-
total	0.1206	0.0002	0.0501	0.0717	1.3471	1.0058	6.8034	16.9471	26.3460

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0010	0.0000	0.0004	0.0011	0.0292	0.0216	-	-	0.0534
15 mph	0.0008	0.0000	0.0003	0.0010	0.0191	0.0144	-	-	0.0355
20 mph	0.0007	0.0000	0.0003	0.0008	0.0163	0.0123	0.6260	1.6219	2.2782
25 mph	0.0011	0.0000	0.0005	0.0014	0.0288	0.0219	0.9559	2.3525	3.3620
30 mph	0.0019	0.0000	0.0008	0.0024	0.0524	0.0395	1.4390	3.5445	5.0804
35 mph	0.0038	0.0000	0.0016	0.0048	0.1180	0.0889	1.2855	3.1737	4.6764
40 mph	0.0040	0.0000	0.0017	0.0050	0.1276	0.0953	1.0801	2.6740	3.9876
45 mph	0.0031	0.0000	0.0013	0.0038	0.0996	0.0733	0.7446	1.8496	2.7754
50 mph	0.0035	0.0000	0.0014	0.0044	0.1176	0.0856	0.3675	0.9094	1.4893
55 mph	0.0020	0.0000	0.0008	0.0026	0.0682	0.0491	0.1891	0.4732	0.7850
60 mph	0.0013	0.0000	0.0005	0.0017	0.0413	0.0296	14.1408	35.1448	49.3600
65 mph	0.0005	0.0000	0.0002	0.0006	0.0140	0.0099	-	-	0.0252
70 mph	0.0246	0.0000	0.0100	0.0309	0.6494	0.4618	-	-	1.1769
total	0.0482	0.0001	0.0198	0.0604	1.3814	1.0032	20.8286	51.7436	75.0854

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0006	0.0004	0.0016	0.0029	0.0055
15 mph	0.0061	0.0000	0.0025	0.0032	0.0540	0.0407	0.3236	0.8269	1.2571
25 mph	-	-	-	-	0.0776	0.0588	1.0555	2.5974	3.7893
35 mph	0.0140	0.0000	0.0058	0.0071	-	-	-	-	0.0270
total	0.0201	0.0000	0.0084	0.0103	0.1321	0.1000	1.3807	3.4272	5.0788

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0006	0.0004	0.0016	0.0029	0.0055
10 mph	0.0126	0.0000	0.0052	0.0078	0.1656	0.1226	0.7755	2.0040	3.0933
15 mph	0.0107	0.0000	0.0044	0.0065	0.1086	0.0819	0.5269	1.3463	2.0853
20 mph	0.0069	0.0000	0.0029	0.0045	0.0769	0.0581	0.9733	2.5215	3.6442
25 mph	0.0275	0.0001	0.0114	0.0171	0.3752	0.2847	3.6780	9.0512	13.4451
30 mph	0.0270	0.0001	0.0112	0.0173	0.3211	0.2420	2.7694	6.8214	10.2094
35 mph	0.0365	0.0001	0.0151	0.0230	0.3381	0.2549	1.8203	4.4941	6.9821
40 mph	0.0098	0.0000	0.0041	0.0085	0.1990	0.1486	1.6247	4.0224	6.0171
45 mph	0.0078	0.0000	0.0032	0.0066	0.1577	0.1160	1.1577	2.8756	4.3247
50 mph	0.0082	0.0000	0.0034	0.0072	0.1785	0.1299	1.0299	2.5489	3.9060
55 mph	0.0059	0.0000	0.0025	0.0049	0.1190	0.0858	0.3464	0.8669	1.4314
60 mph	0.0098	0.0000	0.0040	0.0068	0.1440	0.1032	14.3089	35.5626	50.1393
65 mph	0.0017	0.0000	0.0007	0.0013	0.0270	0.0191	-	-	0.0498
70 mph	0.0246	0.0000	0.0100	0.0309	0.6494	0.4618	-	-	1.1769
total	0.1889	0.0004	0.0782	0.1425	2.8607	2.1090	29.0126	72.1179	106.5102

N2O Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								0.3185	0.3185
15 mph								0.0891	0.0891
20 mph								0.1556	0.1556
25 mph								0.7893	0.7893
30 mph								0.6789	0.6789
35 mph								0.2918	0.2918
40 mph								0.3117	0.3117
45 mph								0.2409	0.2409
50 mph								0.3797	0.3797
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	3.2555	3.2555

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								0.2805	0.2805
25 mph								0.4527	0.4527
30 mph								0.7344	0.7344
35 mph								0.7013	0.7013
40 mph								0.6181	0.6181
45 mph								0.4343	0.4343
50 mph								0.2106	0.2106
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	2.1689	2.1689

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0006	0.0006
15 mph								0.1418	0.1418
25 mph								0.4999	0.4999
35 mph								-	-
total	-	-	-	-	-	-	-	0.6423	0.6423

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0006	0.0006
10 mph								0.3185	0.3185
15 mph								0.2309	0.2309
20 mph								0.4361	0.4361
25 mph								1.7418	1.7418
30 mph								1.4133	1.4133
35 mph								0.9931	0.9931
40 mph								0.9297	0.9297
45 mph								0.6752	0.6752
50 mph								0.5903	0.5903
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	7.3297	7.3297

N2O Emissions

Total N2O RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0022	0.0009	0.0023	0.0035	0.0088
10 mph	0.0889	0.0068	0.0376	0.0194	0.1732	0.1251	0.7826	2.3235	3.5572
15 mph	0.0795	0.0061	0.0337	0.0165	0.1153	0.0841	0.5322	1.5779	2.4455
20 mph	0.0560	0.0044	0.0237	0.0121	0.0819	0.0597	0.9837	2.9591	4.1806
25 mph	0.2389	0.0187	0.1007	0.0480	0.4004	0.2929	3.7192	10.7986	15.6175
30 mph	0.2506	0.0198	0.1052	0.0509	0.3432	0.2492	2.8021	8.2392	12.0602
35 mph	0.3524	0.0278	0.1473	0.0694	0.3602	0.2620	1.8429	5.4903	8.5523
40 mph	0.0965	0.0076	0.0403	0.0259	0.2118	0.1527	1.6457	4.9550	7.1355
45 mph	0.0765	0.0061	0.0319	0.0204	0.1677	0.1193	1.1730	3.5529	5.1478
50 mph	0.0795	0.0063	0.0332	0.0217	0.1892	0.1334	1.0435	3.1412	4.6480
55 mph	0.0561	0.0044	0.0235	0.0145	0.1259	0.0880	0.3509	0.8675	1.5310
60 mph	0.0891	0.0071	0.0375	0.0196	0.1526	0.1060	14.4878	35.5872	50.4868
65 mph	0.0144	0.0011	0.0060	0.0037	0.0286	0.0197	-	-	0.0736
70 mph	0.2060	0.0163	0.0847	0.0845	0.6919	0.4751	-	-	1.5584
STREX	0.1573	0.0128	0.0635	0.0930	0.0536	0.0157	0.0259	0.0000	0.4218
total	1.8419	0.1453	0.7688	0.4995	3.0979	2.1837	29.3920	79.4960	**117.4251**

EMFAC2017 STREX Emission Factors (g/trip) - N2O

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0186	0.0202	0.0203	0.0213	0.0310	0.0312	0.0299	0.0003
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1573	0.0128	0.0635	0.0930	0.0536	0.0157	0.0259	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1573	0.0128	0.0635	0.0930	0.0536	0.0157	0.0259	0.0000

World Logistics Center
Mobile Emissions - Medium EV 2035 (Net) - Mitigated
CH4 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CH4

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					1.7508	1.7736	3.3724	2.3482
10 mph	0.0035	0.0055	0.0058	0.0064	0.0059	0.0054	0.0122	0.2946
15 mph	0.0023	0.0037	0.0039	0.0042	0.0039	0.0036	0.0081	0.1958
20 mph	0.0016	0.0026	0.0027	0.0030	0.0027	0.0025	0.0057	0.1371
25 mph	0.0012	0.0019	0.0020	0.0022	0.0020	0.0019	0.0042	0.1013
30 mph	0.0009	0.0015	0.0016	0.0017	0.0016	0.0014	0.0033	0.0790
35 mph	0.0008	0.0012	0.0013	0.0014	0.0013	0.0012	0.0027	0.0649
40 mph	0.0007	0.0011	0.0011	0.0012	0.0011	0.0010	0.0023	0.0564
45 mph	0.0006	0.0010	0.0010	0.0011	0.0010	0.0009	0.0021	0.0517
50 mph	0.0006	0.0010	0.0010	0.0011	0.0010	0.0009	0.0020	0.0499
55 mph	0.0006	0.0010	0.0010	0.0011	0.0010	0.0009	0.0021	0.0507
60 mph	0.0006	0.0010	0.0011	0.0012	0.0011	0.0010	0.0022	0.0542
65 mph	0.0007	0.0011	0.0012	0.0013	0.0012	0.0011		
70 mph	0.0008	0.0013	0.0012	0.0014	0.0014	0.0012		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					0.1474	0.1474	0.0235	0.1100
10 mph	0.0032	0.0095	0.0092	0.0036	0.0260	0.0261	0.0015	0.0038
15 mph	0.0015	0.0049	0.0045	0.0018	0.0128	0.0129	0.0009	0.0021
20 mph	0.0006	0.0022	0.0017	0.0007	0.0052	0.0052	0.0006	0.0013
25 mph	0.0004	0.0014	0.0010	0.0004	0.0032	0.0032	0.0005	0.0011
30 mph	0.0003	0.0011	0.0008	0.0003	0.0024	0.0025	0.0004	0.0009
35 mph	0.0002	0.0009	0.0006	0.0003	0.0020	0.0020	0.0003	0.0007
40 mph	0.0002	0.0007	0.0005	0.0002	0.0016	0.0017	0.0003	0.0006
45 mph	0.0002	0.0007	0.0004	0.0002	0.0014	0.0015	0.0002	0.0006
50 mph	0.0001	0.0006	0.0004	0.0002	0.0013	0.0013	0.0002	0.0006
55 mph	0.0001	0.0006	0.0003	0.0001	0.0011	0.0012	0.0003	0.0006
60 mph	0.0001	0.0006	0.0003	0.0001	0.0011	0.0011	0.0003	0.0007
65 mph	0.0001	0.0006	0.0003	0.0001	0.0012	0.0012		
70 mph	0.0001	0.0004	0.0003	0.0001	0.0016	0.0016		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								1.8656
10 mph								10.5313
15 mph								7.3288
20 mph								5.2433
25 mph								3.8449
30 mph								2.8421
35 mph								2.1020
40 mph								1.5562
45 mph								1.1541
50 mph								0.8585
55 mph								-
60 mph								-
65 mph								
70 mph								

CH4 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0547	0.0064	0.0335	0.0114	0.0058	0.0016	0.0062	0.0014	0.1210
15 mph	0.0145	0.0017	0.0089	0.0030	0.0015	0.0004	0.0014	0.0003	0.0318
20 mph	0.0203	0.0024	0.0126	0.0043	0.0022	0.0006	0.0019	0.0004	0.0447
25 mph	0.0750	0.0090	0.0465	0.0159	0.0079	0.0021	0.0078	0.0017	0.1659
30 mph	0.0642	0.0077	0.0398	0.0136	0.0068	0.0018	0.0055	0.0012	0.1407
35 mph	0.0431	0.0052	0.0266	0.0092	0.0046	0.0012	0.0020	0.0005	0.0924
40 mph	0.0125	0.0015	0.0077	0.0027	0.0013	0.0004	0.0020	0.0004	0.0284
45 mph	0.0096	0.0011	0.0059	0.0020	0.0010	0.0003	0.0014	0.0003	0.0217
50 mph	0.0092	0.0011	0.0057	0.0020	0.0010	0.0003	0.0022	0.0005	0.0220
55 mph	0.0075	0.0009	0.0046	0.0016	0.0008	0.0002	0.0005	0.0001	0.0162
60 mph	0.0158	0.0019	0.0097	0.0033	0.0017	0.0004	0.0006	0.0001	0.0335
65 mph	0.0022	0.0003	0.0013	0.0005	0.0002	0.0001	-	-	0.0046
70 mph	-	-	-	-	-	-	-	-	-
total	0.3287	0.0392	0.2028	0.0695	0.0349	0.0093	0.0316	0.0071	0.7229

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0045	0.0005	0.0028	0.0020	0.0013	0.0003	-	-	0.0114
15 mph	0.0030	0.0004	0.0018	0.0013	0.0008	0.0002	-	-	0.0076
20 mph	0.0021	0.0003	0.0013	0.0009	0.0006	0.0002	0.0035	0.0008	0.0096
25 mph	0.0031	0.0004	0.0019	0.0014	0.0009	0.0002	0.0045	0.0010	0.0133
30 mph	0.0048	0.0006	0.0030	0.0021	0.0013	0.0004	0.0060	0.0013	0.0195
35 mph	0.0089	0.0011	0.0055	0.0040	0.0025	0.0007	0.0049	0.0011	0.0286
40 mph	0.0086	0.0010	0.0053	0.0038	0.0024	0.0006	0.0039	0.0009	0.0265
45 mph	0.0063	0.0008	0.0039	0.0028	0.0017	0.0005	0.0026	0.0006	0.0192
50 mph	0.0069	0.0008	0.0042	0.0030	0.0019	0.0005	0.0012	0.0003	0.0189
55 mph	0.0039	0.0005	0.0024	0.0017	0.0011	0.0003	0.0006	0.0001	0.0106
60 mph	0.0025	0.0003	0.0015	0.0011	0.0007	0.0002	0.0475	0.0107	0.0644
65 mph	0.0009	0.0001	0.0006	0.0004	0.0003	0.0001	-	-	0.0023
70 mph	0.0471	0.0056	0.0271	0.0205	0.0132	0.0033	-	-	0.1168
total	0.1026	0.0122	0.0613	0.0450	0.0285	0.0074	0.0746	0.0168	0.3485

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2078	0.0612	0.1865	0.0016	0.4570
15 mph	0.0229	0.0027	0.0141	0.0044	0.0023	0.0006	0.0022	0.0005	0.0498
25 mph	-	-	-	-	0.0023	0.0006	0.0049	0.0011	0.0089
35 mph	0.0326	0.0039	0.0201	0.0058	-	-	-	-	0.0625
total	0.0555	0.0066	0.0343	0.0102	0.2124	0.0624	0.1936	0.0032	0.5782

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2078	0.0612	0.1865	0.0016	0.4570
10 mph	0.0592	0.0069	0.0362	0.0134	0.0071	0.0019	0.0062	0.0014	0.1323
15 mph	0.0404	0.0048	0.0249	0.0088	0.0047	0.0013	0.0036	0.0008	0.0892
20 mph	0.0224	0.0027	0.0139	0.0052	0.0027	0.0007	0.0054	0.0012	0.0543
25 mph	0.0781	0.0093	0.0484	0.0173	0.0111	0.0030	0.0172	0.0039	0.1882
30 mph	0.0690	0.0083	0.0428	0.0158	0.0081	0.0022	0.0115	0.0026	0.1602
35 mph	0.0847	0.0102	0.0522	0.0190	0.0070	0.0019	0.0069	0.0016	0.1834
40 mph	0.0211	0.0025	0.0130	0.0065	0.0037	0.0010	0.0059	0.0013	0.0550
45 mph	0.0159	0.0019	0.0098	0.0048	0.0028	0.0007	0.0040	0.0009	0.0408
50 mph	0.0161	0.0019	0.0099	0.0050	0.0029	0.0008	0.0035	0.0008	0.0409
55 mph	0.0114	0.0014	0.0070	0.0033	0.0019	0.0005	0.0012	0.0003	0.0268
60 mph	0.0183	0.0022	0.0112	0.0044	0.0024	0.0006	0.0480	0.0109	0.0979
65 mph	0.0031	0.0004	0.0019	0.0009	0.0005	0.0001	-	-	0.0069
70 mph	0.0471	0.0056	0.0271	0.0205	0.0132	0.0033	-	-	0.1168
total	0.4868	0.0580	0.2983	0.1247	0.2758	0.0791	0.2998	0.0271	1.6497

CH4 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0007	0.0000	0.0006	0.0003	0.0268	0.0178	0.0047	0.0207	0.0716
15 mph	0.0001	0.0000	0.0001	0.0001	0.0053	0.0035	0.0009	0.0038	0.0138
20 mph	0.0001	0.0000	0.0001	0.0000	0.0043	0.0029	0.0012	0.0048	0.0134
25 mph	0.0003	0.0000	0.0003	0.0001	0.0131	0.0088	0.0051	0.0214	0.0491
30 mph	0.0003	0.0000	0.0002	0.0001	0.0110	0.0074	0.0037	0.0157	0.0385
35 mph	0.0002	0.0000	0.0002	0.0001	0.0073	0.0049	0.0014	0.0058	0.0198
40 mph	0.0000	0.0000	0.0000	0.0000	0.0020	0.0014	0.0013	0.0056	0.0104
45 mph	0.0000	0.0000	0.0000	0.0000	0.0015	0.0010	0.0010	0.0041	0.0076
50 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0009	0.0016	0.0067	0.0106
55 mph	0.0000	0.0000	0.0000	0.0000	0.0009	0.0006	0.0004	0.0017	0.0037
60 mph	0.0000	0.0000	0.0000	0.0000	0.0018	0.0012	0.0005	0.0020	0.0056
65 mph	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	-	-	0.0004
70 mph	-	-	-	-	-	-	-	-	-
total	0.0019	0.0000	0.0017	0.0007	0.0756	0.0507	0.0216	0.0924	0.2447

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	0.0001	0.0000	0.0001	0.0000	0.0058	0.0038	-	-	0.0097
15 mph	0.0000	0.0000	0.0000	0.0000	0.0028	0.0019	-	-	0.0048
20 mph	0.0000	0.0000	0.0000	0.0000	0.0011	0.0008	0.0021	0.0087	0.0127
25 mph	0.0000	0.0000	0.0000	0.0000	0.0014	0.0009	0.0029	0.0123	0.0176
30 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0014	0.0040	0.0170	0.0247
35 mph	0.0000	0.0000	0.0000	0.0000	0.0039	0.0026	0.0033	0.0140	0.0240
40 mph	0.0000	0.0000	0.0000	0.0000	0.0036	0.0025	0.0026	0.0111	0.0199
45 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0017	0.0017	0.0074	0.0135
50 mph	0.0000	0.0000	0.0000	0.0000	0.0025	0.0017	0.0009	0.0037	0.0089
55 mph	0.0000	0.0000	0.0000	0.0000	0.0013	0.0009	0.0005	0.0021	0.0047
60 mph	0.0000	0.0000	0.0000	0.0000	0.0007	0.0005	0.0396	0.1682	0.2090
65 mph	0.0000	0.0000	0.0000	0.0000	0.0003	0.0002	-	-	0.0004
70 mph	0.0001	0.0000	0.0001	0.0001	0.0159	0.0107	-	-	0.0269
total	0.0004	0.0000	0.0003	0.0003	0.0440	0.0297	0.0577	0.2445	0.3768

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0184	0.0122	0.0078	0.0661	0.1044
15 mph	0.0002	0.0000	0.0002	0.0001	0.0080	0.0054	0.0014	0.0060	0.0213
25 mph	-	-	-	-	0.0038	0.0025	0.0032	0.0136	0.0231
35 mph	0.0001	0.0000	0.0001	0.0000	-	-	-	-	0.0003
total	0.0003	0.0000	0.0003	0.0001	0.0303	0.0201	0.0123	0.0857	0.1492

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.0184	0.0122	0.0078	0.0661	0.1044
10 mph	0.0008	0.0000	0.0007	0.0003	0.0326	0.0216	0.0047	0.0207	0.0813
15 mph	0.0004	0.0000	0.0003	0.0002	0.0162	0.0108	0.0022	0.0098	0.0399
20 mph	0.0001	0.0000	0.0001	0.0001	0.0054	0.0036	0.0033	0.0135	0.0261
25 mph	0.0003	0.0000	0.0003	0.0001	0.0183	0.0123	0.0112	0.0473	0.0898
30 mph	0.0003	0.0000	0.0003	0.0001	0.0132	0.0089	0.0078	0.0328	0.0633
35 mph	0.0003	0.0000	0.0003	0.0001	0.0112	0.0076	0.0047	0.0199	0.0441
40 mph	0.0001	0.0000	0.0001	0.0000	0.0057	0.0038	0.0039	0.0167	0.0303
45 mph	0.0001	0.0000	0.0000	0.0000	0.0040	0.0027	0.0027	0.0115	0.0211
50 mph	0.0001	0.0000	0.0000	0.0000	0.0038	0.0026	0.0025	0.0104	0.0194
55 mph	0.0000	0.0000	0.0000	0.0000	0.0022	0.0015	0.0009	0.0038	0.0084
60 mph	0.0000	0.0000	0.0000	0.0000	0.0026	0.0017	0.0400	0.1702	0.2146
65 mph	0.0000	0.0000	0.0000	0.0000	0.0005	0.0003	-	-	0.0009
70 mph	0.0001	0.0000	0.0001	0.0001	0.0159	0.0107	-	-	0.0269
total	0.0026	0.0000	0.0023	0.0012	0.1499	0.1005	0.0917	0.4226	0.7707

CH4 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								4.1210	4.1210
15 mph								0.9559	0.9559
20 mph								1.3678	1.3678
25 mph								5.5166	5.5166
30 mph								3.7071	3.7071
35 mph								1.2338	1.2338
40 mph								1.0149	1.0149
45 mph								0.6021	0.6021
50 mph								0.7279	0.7279
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	19.2472	19.2472

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								2.4658	2.4658
25 mph								3.1644	3.1644
30 mph								4.0098	4.0098
35 mph								2.9656	2.9656
40 mph								2.0126	2.0126
45 mph								1.0855	1.0855
50 mph								0.4038	0.4038
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	12.6056	12.6056

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0795	0.0795
15 mph								1.5219	1.5219
25 mph								3.4938	3.4938
35 mph								-	-
total	-	-	-	-	-	-	-	5.0951	5.0951

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								0.0795	0.0795
10 mph								4.1210	4.1210
15 mph								2.4778	2.4778
20 mph								3.8337	3.8337
25 mph								12.1748	12.1748
30 mph								7.7168	7.7168
35 mph								4.1994	4.1994
40 mph								3.0275	3.0275
45 mph								1.6877	1.6877
50 mph								1.1317	1.1317
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	40.4498	40.4498

CH4 Emissions

Total CH4 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	0.2262	0.0733	0.1942	0.1471	0.6409
10 mph	0.0599	0.0069	0.0369	0.0137	0.0397	0.0235	0.0109	4.1431	4.3347
15 mph	0.0408	0.0048	0.0253	0.0089	0.0209	0.0120	0.0058	2.4884	2.6069
20 mph	0.0225	0.0027	0.0140	0.0053	0.0082	0.0044	0.0087	3.8483	3.9140
25 mph	0.0784	0.0093	0.0487	0.0174	0.0294	0.0153	0.0284	12.2259	12.4529
30 mph	0.0693	0.0083	0.0430	0.0159	0.0213	0.0110	0.0192	7.7522	7.9403
35 mph	0.0850	0.0102	0.0525	0.0191	0.0183	0.0094	0.0116	4.2209	4.4270
40 mph	0.0212	0.0025	0.0131	0.0065	0.0094	0.0048	0.0098	3.0455	3.1128
45 mph	0.0159	0.0019	0.0098	0.0049	0.0067	0.0034	0.0067	1.7001	1.7496
50 mph	0.0162	0.0019	0.0099	0.0050	0.0067	0.0034	0.0060	1.1429	1.1920
55 mph	0.0114	0.0014	0.0070	0.0033	0.0041	0.0020	0.0020	0.0040	0.0352
60 mph	0.0183	0.0022	0.0112	0.0044	0.0049	0.0024	0.0881	0.1810	0.3125
65 mph	0.0031	0.0004	0.0019	0.0009	0.0010	0.0005	-	-	0.0077
70 mph	0.0472	0.0056	0.0272	0.0205	0.0291	0.0141	-	-	0.1437
STREX	0.1946	0.0170	0.0985	0.1488	0.0208	0.0060	0.0271	0.0000	0.5129
total	0.6839	0.0751	0.3991	0.2747	0.4466	0.1855	0.4186	40.8995	**43.3830**

EMFAC2017 STREX Emission Factors (g/trip) - CH4

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.0230	0.0270	0.0315	0.0340	0.0120	0.0119	0.0314	0.0002
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	0.1946	0.0170	0.0985	0.1488	0.0208	0.0060	0.0271	0.0000
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	0.1946	0.0170	0.0985	0.1488	0.0208	0.0060	0.0271	0.0000

World Logistics Center
Mobile Emissions - Medium EV 2035 (Net) - Mitigated
CO2 Emissions

EMFAC2017 RUNEX Emission Factors (g/mi) - CO2

GAS

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,963.68	4,638.03	11,699.90	18,964.94
10 mph	391.87	461.13	458.33	561.90	1,297.09	1,495.95	2,649.86	3,085.79
15 mph	320.36	377.07	374.72	459.32	1,060.18	1,221.83	2,169.91	2,531.59
20 mph	266.42	313.55	311.62	381.97	881.58	1,016.36	1,803.47	2,109.28
25 mph	227.75	268.06	266.42	326.67	753.42	868.35	1,542.32	1,806.99
30 mph	202.15	237.89	236.47	290.09	668.77	770.89	1,369.73	1,604.76
35 mph	187.49	220.57	219.29	269.19	620.23	715.15	1,270.99	1,486.59
40 mph	181.61	213.66	212.41	260.74	600.43	692.34	1,229.76	1,436.90
45 mph	182.65	214.79	213.47	262.01	602.61	694.84	1,235.03	1,438.10
50 mph	188.08	221.15	219.77	269.84	620.30	715.03	1,270.61	1,475.93
55 mph	195.37	229.66	228.30	280.41	645.56	744.08	1,320.82	1,532.19
60 mph	201.05	236.74	235.51	289.65	671.73	774.26	1,373.93	1,590.39
65 mph	206.05	242.94	241.75	297.71	692.05	797.41		
70 mph	209.08	245.96	244.62	302.99	699.98	804.48		

Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle					3,206.55	5,193.70	5,355.52	4,882.73
10 mph	335.38	681.91	447.50	556.56	839.71	940.07	1,623.54	2,310.47
15 mph	275.84	566.89	371.11	472.01	547.23	624.35	1,276.55	1,796.46
20 mph	226.28	465.37	304.89	392.02	466.89	533.07	1,090.48	1,555.84
25 mph	189.68	388.66	255.61	331.67	413.89	474.83	951.51	1,289.55
30 mph	164.31	334.16	221.00	286.64	376.13	428.56	835.52	1,133.39
35 mph	148.55	299.26	199.42	260.29	376.62	429.16	746.40	1,014.84
40 mph	139.01	278.89	186.11	243.51	366.54	413.77	684.12	932.77
45 mph	134.29	269.01	179.43	234.37	357.71	397.97	648.54	887.16
50 mph	134.66	268.78	179.70	235.66	375.21	412.92	640.09	872.40
55 mph	140.91	281.41	187.89	248.63	391.57	426.77	658.72	907.81
60 mph	152.75	305.24	203.54	269.20	395.47	428.26	703.76	963.25
65 mph	171.76	340.16	228.56	302.55	401.05	430.01		
70 mph	186.19	354.29	245.73	327.75	405.53	436.00		

*Idling emission factor - g/hour
Idling emission factor for HHDT (Gas) 5 mph*5

Natural Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Idle								4,895.72
10 mph								3,993.23
15 mph								3,350.45
20 mph								2,925.80
25 mph								2,698.39
30 mph								2,553.34
35 mph								2,438.51
40 mph								2,344.30
45 mph								2,265.00
50 mph								2,196.95
55 mph								-
60 mph								-
65 mph								
70 mph								

CO2 Emissions (pounds/day) - Gas

Surface Street Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	6,087.82	536.01	2,634.84	1,010.50	1,272.04	426.21	1,345.80	14.53	13,327.75
15 mph	1,990.78	175.32	861.67	330.41	415.88	139.24	367.35	3.97	4,284.64
20 mph	3,311.19	291.57	1,433.13	549.54	691.65	231.65	610.62	6.62	7,125.98
25 mph	14,152.94	1,246.36	6,126.41	2,349.92	2,955.50	989.60	2,872.13	31.20	30,724.05
30 mph	13,818.08	1,216.68	5,981.43	2,295.41	2,885.77	966.38	2,318.83	25.19	29,507.78
35 mph	10,485.68	923.00	4,538.41	1,742.77	2,189.71	733.50	968.26	10.50	21,591.83
40 mph	3,385.59	298.03	1,465.30	562.69	706.60	236.70	1,040.94	11.28	7,707.12
45 mph	2,837.46	249.67	1,227.21	471.19	590.98	197.96	836.32	9.03	6,419.81
50 mph	2,921.91	257.06	1,263.42	485.28	608.32	203.72	1,398.17	15.06	7,152.94
55 mph	2,428.09	213.56	1,049.98	403.43	506.47	169.59	335.41	3.61	5,110.14
60 mph	4,997.34	440.29	2,166.24	833.44	1,054.01	352.95	348.89	3.74	10,196.90
65 mph	640.20	56.48	277.95	107.08	135.74	45.44	-	-	1,262.88
70 mph	-	-	-	-	-	-	-	-	-
total	67,057.07	5,904.03	29,026.01	11,141.65	14,012.65	4,692.95	12,442.71	134.75	144,411.82

Freeway Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	503.50	44.33	217.92	174.54	272.77	91.39	-	-	1,304.45
15 mph	411.62	36.25	178.16	142.68	222.95	74.65	-	-	1,066.31
20 mph	342.32	30.14	148.16	118.65	185.39	62.09	1,100.80	11.94	1,999.50
25 mph	585.26	51.54	253.34	202.95	316.88	106.10	1,647.46	17.90	3,181.44
30 mph	1,038.94	91.48	449.73	360.44	562.55	188.39	2,508.17	27.25	5,226.94
35 mph	2,168.06	190.84	938.38	752.57	1,173.87	393.22	2,327.37	25.24	7,969.56
40 mph	2,333.39	205.41	1,009.91	809.94	1,262.66	422.98	2,064.21	22.37	8,130.85
45 mph	1,877.39	165.19	811.98	651.11	1,013.80	339.60	1,507.68	16.28	6,383.03
50 mph	2,174.93	191.34	940.43	754.40	1,174.00	393.15	775.56	8.35	6,412.16
55 mph	1,255.11	110.39	542.74	435.53	678.78	227.29	403.10	4.34	3,657.28
60 mph	774.95	68.28	335.93	269.93	423.78	141.91	29,351.69	315.06	31,681.52
65 mph	264.74	23.36	114.94	92.48	145.53	48.72	-	-	689.77
70 mph	12,357.38	1,087.69	5,350.16	4,329.50	6,771.25	2,260.85	-	-	32,156.83
total	26,087.57	2,296.24	11,291.76	9,094.71	14,204.22	4,750.35	41,686.04	448.73	109,859.63

Internal Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	470.46	159.93	646.86	12.95	1,290.20
15 mph	3,146.78	277.13	1,362.03	478.17	631.79	211.53	584.82	6.33	6,698.57
25 mph	-	-	-	-	852.71	285.52	1,818.99	19.76	2,976.98
35 mph	7,923.75	697.48	3,429.55	1,108.01	-	-	-	-	13,158.79
total	11,070.53	974.61	4,791.58	1,586.17	1,954.96	656.98	3,050.68	39.04	24,124.55

Total Emissions Gas

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	470.46	159.93	646.86	12.95	1,290.20
10 mph	6,591.32	580.35	2,852.75	1,185.05	1,544.81	517.60	1,345.80	14.53	14,632.20
15 mph	5,549.19	488.70	2,401.86	951.25	1,270.62	425.42	952.17	10.30	12,049.52
20 mph	3,653.50	321.72	1,581.29	668.19	877.04	293.75	1,711.43	18.56	9,125.48
25 mph	14,738.20	1,297.90	6,379.75	2,552.87	4,125.09	1,381.21	6,338.58	68.86	36,882.47
30 mph	14,857.01	1,308.16	6,431.16	2,655.85	3,448.32	1,154.77	4,827.01	52.44	34,734.72
35 mph	20,577.49	1,811.33	8,906.34	3,603.34	3,363.58	1,126.72	3,295.62	35.74	42,720.17
40 mph	5,718.97	503.44	2,475.21	1,372.63	1,969.25	659.68	3,105.14	33.64	15,837.97
45 mph	4,714.84	414.86	2,039.19	1,122.29	1,604.78	537.57	2,344.00	25.31	12,802.84
50 mph	5,096.84	448.40	2,203.85	1,239.68	1,782.31	596.87	2,173.73	23.41	13,565.10
55 mph	3,683.20	323.95	1,592.72	838.96	1,185.25	396.89	738.51	7.94	8,767.42
60 mph	5,772.29	508.57	2,502.17	1,103.37	1,477.79	494.85	29,700.58	318.81	41,878.42
65 mph	904.94	79.83	392.89	199.56	281.27	94.15	-	-	1,952.65
70 mph	12,357.38	1,087.69	5,350.16	4,329.50	6,771.25	2,260.85	-	-	32,156.83
total	104,215.17	9,174.89	45,109.35	21,822.53	30,171.84	10,100.27	57,179.43	622.51	278,395.99

CO2 Emissions (pounds/day) - Diesel

Surface Street Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	74.14	0.14	30.60	42.08	867.33	642.24	4,933.86	12,749.50	19,339.89
15 mph	24.39	0.05	10.15	14.27	226.09	170.62	1,293.12	3,304.37	5,043.07
20 mph	40.02	0.08	16.68	23.71	385.80	291.35	2,209.29	5,723.57	8,690.48
25 mph	167.73	0.33	69.91	100.30	1,710.03	1,297.57	10,602.48	26,091.74	40,040.09
30 mph	159.82	0.31	66.49	95.35	1,709.39	1,288.24	8,463.65	20,847.39	32,630.64
35 mph	118.21	0.23	49.09	70.84	1,400.43	1,055.50	3,402.42	8,400.02	14,496.74
40 mph	36.88	0.07	15.27	22.09	454.32	339.22	3,465.02	8,578.57	12,911.43
45 mph	29.69	0.06	12.27	17.72	369.48	271.88	2,627.85	6,527.31	9,856.26
50 mph	29.77	0.06	12.29	17.82	387.55	282.10	4,214.61	10,430.43	15,374.62
55 mph	24.92	0.05	10.28	15.04	323.56	233.25	1,000.91	2,504.70	4,112.70
60 mph	54.03	0.10	22.27	32.56	653.56	468.13	1,069.34	2,657.69	4,957.69
65 mph	7.59	0.01	3.13	4.57	82.85	58.75	-	-	156.91
70 mph	-	-	-	-	-	-	-	-	-
total	767.17	1.48	318.42	456.35	8,570.40	6,398.85	43,282.55	107,815.29	167,610.51

Freeway Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	-	-	-	-	-
10 mph	6.13	0.01	2.53	7.27	185.99	137.72	-	-	339.65
15 mph	5.04	0.01	2.10	6.16	121.20	91.47	-	-	225.99
20 mph	4.14	0.01	1.72	5.12	103.41	78.09	3,982.80	10,318.18	14,493.48
25 mph	6.94	0.01	2.89	8.66	183.34	139.12	6,081.62	14,966.31	21,388.90
30 mph	12.02	0.02	5.00	14.97	333.23	251.13	9,154.72	22,549.62	32,320.71
35 mph	24.44	0.05	10.15	30.59	750.75	565.84	8,178.29	20,190.88	29,750.99
40 mph	25.42	0.05	10.52	31.80	811.84	606.17	6,871.23	17,011.54	25,368.57
45 mph	19.64	0.04	8.12	24.48	633.83	466.41	4,737.37	11,767.13	17,657.02
50 mph	22.16	0.04	9.15	27.70	747.94	544.42	2,337.81	5,785.69	9,474.91
55 mph	12.88	0.02	5.31	16.23	433.64	312.60	1,202.93	3,010.24	4,993.86
60 mph	8.38	0.02	3.45	10.55	262.77	188.22	89,962.23	223,587.25	314,022.87
65 mph	3.14	0.01	1.29	3.95	88.83	62.99	-	-	160.21
70 mph	156.59	0.28	63.92	196.88	4,131.67	2,938.13	-	-	7,487.48
total	306.91	0.57	126.16	384.37	8,788.46	6,382.31	132,509.00	329,186.85	477,684.63

Internal Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	400.85	429.44	1,771.74	2,933.12	5,535.16
15 mph	38.55	0.08	16.04	20.66	343.47	259.19	2,058.66	5,260.60	7,997.25
25 mph	-	-	-	-	493.37	374.37	6,714.82	16,524.55	24,107.12
35 mph	89.33	0.17	37.09	45.04	-	-	-	-	171.64
total	127.89	0.25	53.14	65.70	1,237.69	1,063.01	10,545.22	24,718.27	37,811.17

Total Emissions Diesel

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	400.85	429.44	1,771.74	2,933.12	5,535.16
10 mph	80.27	0.16	33.13	49.34	1,053.32	779.96	4,933.86	12,749.50	19,679.54
15 mph	67.99	0.13	28.29	41.09	690.77	521.28	3,351.79	8,564.97	13,266.30
20 mph	44.15	0.09	18.40	28.83	489.21	369.44	6,192.09	16,041.75	23,183.96
25 mph	174.66	0.34	72.80	108.96	2,386.75	1,811.07	23,398.91	57,582.61	85,536.10
30 mph	171.83	0.33	71.49	110.32	2,042.62	1,539.37	17,618.37	43,397.01	64,951.35
35 mph	231.99	0.45	96.33	146.47	2,151.19	1,621.34	11,580.71	28,590.89	44,419.37
40 mph	62.29	0.12	25.80	53.89	1,266.16	945.38	10,336.24	25,590.11	38,279.99
45 mph	49.33	0.09	20.39	42.20	1,003.30	738.30	7,365.22	18,294.45	27,513.28
50 mph	51.93	0.10	21.43	45.51	1,135.50	826.52	6,552.42	16,216.12	24,849.53
55 mph	37.80	0.07	15.59	31.27	757.20	545.85	2,203.84	5,514.94	9,106.56
60 mph	62.41	0.12	25.72	43.11	916.34	656.35	91,031.57	226,244.94	318,980.56
65 mph	10.73	0.02	4.42	8.53	171.68	121.75	-	-	317.12
70 mph	156.59	0.28	63.92	196.88	4,131.67	2,938.13	-	-	7,487.48
total	1,201.96	2.30	497.72	906.41	18,596.56	13,844.17	186,336.77	461,720.42	683,106.31

CO2 Emissions (pounds/day) - Electric/Natural Gas (HHDT Only)

Surface Street Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								1,562.57	1,562.57
15 mph								437.02	437.02
20 mph								763.26	763.26
25 mph								3,871.61	3,871.61
30 mph								3,330.46	3,330.46
35 mph								1,431.31	1,431.31
40 mph								1,528.90	1,528.90
45 mph								1,181.75	1,181.75
50 mph								1,862.64	1,862.64
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	15,969.51	15,969.51

Freeway Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								-	-
10 mph								-	-
15 mph								-	-
20 mph								1,375.96	1,375.96
25 mph								2,220.77	2,220.77
30 mph								3,602.40	3,602.40
35 mph								3,440.39	3,440.39
40 mph								3,031.85	3,031.85
45 mph								2,130.39	2,130.39
50 mph								1,033.20	1,033.20
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	10,639.52	10,639.52

Internal Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								208.55	208.55
15 mph								695.74	695.74
25 mph								2,451.99	2,451.99
35 mph								-	-
total	-	-	-	-	-	-	-	3,356.27	3,356.27

Total Emissions Electric/Natural Gas (HHDT Only)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)								208.55	208.55
10 mph								1,562.57	1,562.57
15 mph								1,132.75	1,132.75
20 mph								2,139.22	2,139.22
25 mph								8,544.37	8,544.37
30 mph								6,932.86	6,932.86
35 mph								4,871.70	4,871.70
40 mph								4,560.75	4,560.75
45 mph								3,312.14	3,312.14
50 mph								2,895.84	2,895.84
55 mph								-	-
60 mph								-	-
65 mph								-	-
70 mph								-	-
total	-	-	-	-	-	-	-	36,160.75	36,160.75

CO2 Emissions

Total CO2 RUNEX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT	total
Idle (hours)	-	-	-	-	871.31	589.37	2,418.61	3,154.62	7,033.91
10 mph	6,671.59	580.50	2,885.88	1,234.39	2,598.13	1,297.56	6,279.66	14,326.61	35,874.32
15 mph	5,617.17	488.84	2,430.16	992.35	1,961.39	946.70	4,303.96	9,708.02	26,448.57
20 mph	3,697.66	321.80	1,599.70	697.02	1,366.24	663.19	7,903.52	18,199.53	34,448.66
25 mph	14,912.87	1,298.24	6,452.56	2,661.83	6,511.84	3,192.28	29,737.49	66,195.84	130,962.94
30 mph	15,028.85	1,308.49	6,502.65	2,766.17	5,490.95	2,694.14	22,445.37	50,382.32	106,618.93
35 mph	20,809.48	1,811.77	9,002.68	3,749.82	5,514.77	2,748.06	14,876.33	33,498.34	92,011.24
40 mph	5,781.27	503.56	2,501.00	1,426.52	3,235.41	1,605.07	13,441.39	30,184.50	58,678.72
45 mph	4,764.17	414.95	2,059.57	1,164.50	2,608.08	1,275.86	9,709.22	21,631.90	43,628.26
50 mph	5,148.77	448.50	2,225.28	1,285.19	2,917.81	1,423.39	8,726.15	19,135.37	41,310.47
55 mph	3,721.00	324.02	1,608.31	870.23	1,942.46	942.74	2,942.35	5,522.88	17,873.98
60 mph	5,834.69	508.68	2,527.89	1,146.48	2,394.13	1,151.20	120,732.15	226,563.75	360,858.98
65 mph	915.67	79.85	397.31	208.08	452.95	215.90	-	-	2,269.77
70 mph	12,513.96	1,087.98	5,414.08	4,526.38	10,902.93	5,198.98	-	-	39,644.31
STREX	348.59	30.80	154.81	266.38	28.39	9.43	27.37	0.30	866.09
total	105,765.72	9,177.19	45,607.08	22,728.94	48,768.40	23,944.44	243,516.19	498,503.68	**998,011.64**

EMFAC2017 STREX Emission Factors (g/trip) - CO2

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	41.29	48.76	49.55	60.89	16.43	18.79	31.63	37.43
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-				-

STREX Emissions (pounds/day)

	LDA	LDT1	LDT2	MDT	LHDT1	LHDT2	MHDT	HHDT
Gas	348.59	30.80	154.81	266.38	28.39	9.43	27.37	0.30
Diesel	-	-	-	-	-	-	-	-
Electric/NG	-	-	-	-	-	-	-	-
Total	348.59	30.80	154.81	266.38	28.39	9.43	27.37	0.30

B.9 Emission Factor Interpolation

Base Calendar Year	Analysis Year	Vehicle Category	Fuel	ROG	NOX	CO	SOX	PM10	PM2.5	CO2	CH4	N2O
				Running Emission Factor (g/mi)								
2035	2034	HHDT	GAS	10%	10%	10%	10%	10%	10%	10%	10%	10%
		HHDT	DSL	10%	10%	10%	10%	10%	10%	10%	10%	10%
		HHDT	NG	10%	10%	10%	0%	10%	10%	10%	10%	10%
		LDA	GAS	10%	10%	10%	10%	10%	10%	10%	10%	10%
		LDA	DSL	10%	10%	10%	10%	10%	10%	10%	10%	10%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	10%	10%	10%	10%	10%	10%	10%	10%	10%
		LDT1	DSL	10%	10%	10%	10%	10%	10%	10%	10%	10%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	10%	10%	10%	10%	10%	10%	10%	10%	10%
		LDT2	DSL	10%	10%	10%	10%	10%	10%	10%	10%	10%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	10%	10%	10%	10%	10%	10%	10%	10%	10%
		LHDT1	DSL	10%	10%	10%	10%	10%	10%	10%	10%	10%
		LHDT2	GAS	10%	10%	10%	10%	10%	10%	10%	10%	10%
		LHDT2	DSL	10%	10%	10%	10%	10%	10%	10%	10%	10%
		MDV	GAS	10%	10%	10%	10%	10%	10%	10%	10%	10%
		MDV	DSL	10%	10%	10%	10%	10%	10%	10%	10%	10%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	10%	10%	10%	10%	10%	10%	10%	10%	10%
		MHDT	DSL	10%	10%	10%	10%	10%	10%	10%	10%	10%
2035	2033	HHDT	GAS	20%	20%	20%	20%	20%	20%	20%	20%	20%
		HHDT	DSL	20%	20%	20%	20%	20%	20%	20%	20%	20%
		HHDT	NG	20%	20%	20%	0%	20%	20%	20%	20%	20%
		LDA	GAS	20%	20%	20%	20%	20%	20%	20%	20%	20%
		LDA	DSL	20%	20%	20%	20%	20%	20%	20%	20%	20%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	20%	20%	20%	20%	20%	20%	20%	20%	20%
		LDT1	DSL	20%	20%	20%	20%	20%	20%	20%	20%	20%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	20%	20%	20%	20%	20%	20%	20%	20%	20%
		LDT2	DSL	20%	20%	20%	20%	20%	20%	20%	20%	20%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	20%	20%	20%	20%	20%	20%	20%	20%	20%
		LHDT1	DSL	20%	20%	20%	20%	20%	20%	20%	20%	20%
		LHDT2	GAS	20%	20%	20%	20%	20%	20%	20%	20%	20%
		LHDT2	DSL	20%	20%	20%	20%	20%	20%	20%	20%	20%
		MDV	GAS	20%	20%	20%	20%	20%	20%	20%	20%	20%
		MDV	DSL	20%	20%	20%	20%	20%	20%	20%	20%	20%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	20%	20%	20%	20%	20%	20%	20%	20%	20%
		MHDT	DSL	20%	20%	20%	20%	20%	20%	20%	20%	20%
2035	2032	HHDT	GAS	30%	30%	30%	30%	30%	30%	30%	30%	30%
		HHDT	DSL	30%	30%	30%	30%	30%	30%	30%	30%	30%
		HHDT	NG	30%	30%	30%	0%	30%	30%	30%	30%	30%
		LDA	GAS	30%	30%	30%	30%	30%	30%	30%	30%	30%
		LDA	DSL	30%	30%	30%	30%	30%	30%	30%	30%	30%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	30%	30%	30%	30%	30%	30%	30%	30%	30%
		LDT1	DSL	30%	30%	30%	30%	30%	30%	30%	30%	30%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	30%	30%	30%	30%	30%	30%	30%	30%	30%
		LDT2	DSL	30%	30%	30%	30%	30%	30%	30%	30%	30%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	30%	30%	30%	30%	30%	30%	30%	30%	30%
		LHDT1	DSL	30%	30%	30%	30%	30%	30%	30%	30%	30%
		LHDT2	GAS	30%	30%	30%	30%	30%	30%	30%	30%	30%
		LHDT2	DSL	30%	30%	30%	30%	30%	30%	30%	30%	30%
		MDV	GAS	30%	30%	30%	30%	30%	30%	30%	30%	30%
		MDV	DSL	30%	30%	30%	30%	30%	30%	30%	30%	30%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	30%	30%	30%	30%	30%	30%	30%	30%	30%
		MHDT	DSL	30%	30%	30%	30%	30%	30%	30%	30%	30%
2035	2031	HHDT	GAS	40%	40%	40%	40%	40%	40%	40%	40%	40%
		HHDT	DSL	40%	40%	40%	40%	40%	40%	40%	40%	40%
		HHDT	NG	40%	40%	40%	0%	40%	40%	40%	40%	40%
		LDA	GAS	40%	40%	40%	40%	40%	40%	40%	40%	40%
		LDA	DSL	40%	40%	40%	40%	40%	40%	40%	40%	40%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	40%	40%	40%	40%	40%	40%	40%	40%	40%
		LDT1	DSL	40%	40%	40%	40%	40%	40%	40%	40%	40%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	40%	40%	40%	40%	40%	40%	40%	40%	40%
		LDT2	DSL	40%	40%	40%	40%	40%	40%	40%	40%	40%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	40%	40%	40%	40%	40%	40%	40%	40%	40%
		LHDT1	DSL	40%	40%	40%	40%	40%	40%	40%	40%	40%
		LHDT2	GAS	40%	40%	40%	40%	40%	40%	40%	40%	40%
		LHDT2	DSL	40%	40%	40%	40%	40%	40%	40%	40%	40%
		MDV	GAS	40%	40%	40%	40%	40%	40%	40%	40%	40%
		MDV	DSL	40%	40%	40%	40%	40%	40%	40%	40%	40%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	40%	40%	40%	40%	40%	40%	40%	40%	40%
		MHDT	DSL	40%	40%	40%	40%	40%	40%	40%	40%	40%
2035	2030	HHDT	GAS	50%	50%	50%	50%	50%	50%	50%	50%	50%

Base Calendar Year	Analysis Year	Vehicle Category	Fuel	CH4	CO	CO2	NOX	PM10	PM2.5	ROG	SOX	N2O
				Idling Emission Factor (g/mi)								
2035	2034	HHDT	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		HHDT	DSL	10%	10%	10%	10%	10%	10%	10%	10%	10%
		HHDT	NG	10%	10%	10%	10%	10%	10%	10%	0%	10%
		LDA	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	10%	10%	10%	10%	0%	0%	10%	10%	10%
		LHDT1	DSL	0%	0%	10%	10%	10%	10%	0%	10%	10%
		LHDT2	GAS	10%	10%	10%	10%	0%	0%	10%	10%	10%
		LHDT2	DSL	0%	0%	10%	10%	10%	10%	0%	10%	10%
		MDV	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	10%	10%	10%	10%	0%	0%	10%	10%	10%
		MHDT	DSL	10%	10%	10%	10%	10%	10%	10%	10%	10%
2035	2033	HHDT	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		HHDT	DSL	20%	20%	20%	20%	20%	20%	20%	20%	20%
		HHDT	NG	20%	20%	20%	20%	20%	20%	20%	0%	20%
		LDA	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	20%	20%	20%	20%	0%	0%	20%	20%	20%
		LHDT1	DSL	0%	0%	20%	20%	20%	20%	0%	20%	20%
		LHDT2	GAS	20%	20%	20%	20%	0%	0%	20%	20%	20%
		LHDT2	DSL	0%	0%	20%	20%	20%	20%	0%	20%	20%
		MDV	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	20%	20%	20%	20%	0%	0%	20%	20%	20%
		MHDT	DSL	20%	20%	20%	20%	20%	20%	20%	20%	20%
2035	2032	HHDT	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		HHDT	DSL	30%	30%	30%	30%	30%	30%	30%	30%	30%
		HHDT	NG	30%	30%	30%	30%	30%	30%	30%	0%	30%
		LDA	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	30%	30%	30%	30%	0%	0%	30%	30%	30%
		LHDT1	DSL	0%	0%	30%	30%	30%	30%	0%	30%	30%
		LHDT2	GAS	30%	30%	30%	30%	0%	0%	30%	30%	30%
		LHDT2	DSL	0%	0%	30%	30%	30%	30%	0%	30%	30%
		MDV	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	30%	30%	30%	30%	0%	0%	30%	30%	30%
		MHDT	DSL	30%	30%	30%	30%	30%	30%	30%	30%	30%
2035	2031	HHDT	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		HHDT	DSL	40%	40%	40%	40%	40%	40%	40%	40%	40%
		HHDT	NG	40%	40%	40%	40%	40%	40%	40%	0%	40%
		LDA	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	40%	40%	40%	40%	0%	0%	40%	40%	40%
		LHDT1	DSL	0%	0%	40%	40%	40%	40%	0%	40%	40%
		LHDT2	GAS	40%	40%	40%	40%	0%	0%	40%	40%	40%
		LHDT2	DSL	0%	0%	40%	40%	40%	40%	0%	40%	40%
		MDV	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	40%	40%	40%	40%	0%	0%	40%	40%	40%
		MHDT	DSL	40%	40%	40%	40%	40%	40%	40%	40%	40%
2035	2030	HHDT	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%

				TIREWEAR		BRAKEWEAR	
				PM10 PMTW	PM2.5 PMTW	PM10 PMBW	PM2.5 PMBW
Base Calendar Year	Analysis Year	Vehicle Category	Fuel	Running Emission Factor			
2035	2034	HHDT	GAS	0%	0%	0%	0%
		HHDT	DSL	10%	10%	10%	10%
		HHDT	NG	0%	0%	0%	0%
		LDA	GAS	0%	0%	0%	0%
		LDA	DSL	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%
		LDT1	GAS	0%	0%	0%	0%
		LDT1	DSL	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%
		LDT2	GAS	0%	0%	0%	0%
		LDT2	DSL	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%
		LHDT1	GAS	0%	0%	0%	0%
		LHDT1	DSL	0%	0%	0%	0%
		LHDT2	GAS	0%	0%	0%	0%
		LHDT2	DSL	0%	0%	0%	0%
		MDV	GAS	0%	0%	0%	0%
		MDV	DSL	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%
		MHDT	GAS	0%	0%	0%	0%
		MHDT	DSL	0%	0%	0%	0%
2035	2033	HHDT	GAS	0%	0%	0%	0%
		HHDT	DSL	20%	20%	20%	20%
		HHDT	NG	0%	0%	0%	0%
		LDA	GAS	0%	0%	0%	0%
		LDA	DSL	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%
		LDT1	GAS	0%	0%	0%	0%
		LDT1	DSL	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%
		LDT2	GAS	0%	0%	0%	0%
		LDT2	DSL	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%
		LHDT1	GAS	0%	0%	0%	0%
		LHDT1	DSL	0%	0%	0%	0%
		LHDT2	GAS	0%	0%	0%	0%
		LHDT2	DSL	0%	0%	0%	0%
		MDV	GAS	0%	0%	0%	0%
		MDV	DSL	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%
		MHDT	GAS	0%	0%	0%	0%
		MHDT	DSL	0%	0%	0%	0%
2035	2032	HHDT	GAS	0%	0%	0%	0%
		HHDT	DSL	30%	30%	30%	30%
		HHDT	NG	0%	0%	0%	0%
		LDA	GAS	0%	0%	0%	0%
		LDA	DSL	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%
		LDT1	GAS	0%	0%	0%	0%
		LDT1	DSL	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%
		LDT2	GAS	0%	0%	0%	0%
		LDT2	DSL	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%
		LHDT1	GAS	0%	0%	0%	0%
		LHDT1	DSL	0%	0%	0%	0%
		LHDT2	GAS	0%	0%	0%	0%
		LHDT2	DSL	0%	0%	0%	0%
		MDV	GAS	0%	0%	0%	0%
		MDV	DSL	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%
		MHDT	GAS	0%	0%	0%	0%
		MHDT	DSL	0%	0%	0%	0%
2035	2031	HHDT	GAS	0%	0%	0%	0%
		HHDT	DSL	40%	40%	40%	40%
		HHDT	NG	0%	0%	0%	0%
		LDA	GAS	0%	0%	0%	0%
		LDA	DSL	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%
		LDT1	GAS	0%	0%	0%	0%
		LDT1	DSL	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%
		LDT2	GAS	0%	0%	0%	0%
		LDT2	DSL	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%
		LHDT1	GAS	0%	0%	0%	0%
		LHDT1	DSL	0%	0%	0%	0%
		LHDT2	GAS	0%	0%	0%	0%
		LHDT2	DSL	0%	0%	0%	0%
		MDV	GAS	0%	0%	0%	0%
		MDV	DSL	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%
		MHDT	GAS	0%	0%	0%	0%
		MHDT	DSL	0%	0%	0%	0%
2035	2030	HHDT	GAS	0%	0%	0%	0%

Base Calendar Year	Analysis Year	Vehicle Category	Fuel	ROG-Restloss g/vehicle/day	ROG-Diurnal g/vehicle/day	ROG-RUNLOSS g/trip	ROG-RUNLOSS g/mi	ROG-HOTSOAK g/trip
2035	2034	HHDT	GAS	10%	10%	10%	10%	10%
		HHDT	DSL	0%	0%	0%	0%	0%
		HHDT	NG	0%	0%	0%	0%	0%
		LDA	GAS	10%	10%	10%	10%	10%
		LDA	DSL	0%	0%	0%	0%	0%
		LDA	ELEC	10%	10%	0%	0%	0%
		LDT1	GAS	10%	10%	10%	10%	10%
		LDT1	DSL	0%	0%	0%	0%	0%
		LDT1	ELEC	10%	10%	0%	0%	0%
		LDT2	GAS	10%	10%	10%	10%	10%
		LDT2	DSL	0%	0%	0%	0%	0%
		LDT2	ELEC	10%	10%	0%	0%	0%
		LHDT1	GAS	10%	10%	10%	10%	10%
		LHDT1	DSL	0%	0%	0%	0%	0%
		LHDT2	GAS	10%	10%	10%	10%	10%
		LHDT2	DSL	0%	0%	0%	0%	0%
		MDV	GAS	10%	10%	10%	10%	10%
		MDV	DSL	0%	0%	0%	0%	0%
		MDV	ELEC	10%	10%	0%	0%	0%
		MHDT	GAS	10%	10%	10%	10%	10%
		MHDT	DSL	0%	0%	0%	0%	0%
2035	2033	HHDT	GAS	20%	20%	20%	20%	20%
		HHDT	DSL	0%	0%	0%	0%	0%
		HHDT	NG	0%	0%	0%	0%	0%
		LDA	GAS	20%	20%	20%	20%	20%
		LDA	DSL	0%	0%	0%	0%	0%
		LDA	ELEC	20%	20%	0%	0%	0%
		LDT1	GAS	20%	20%	20%	20%	20%
		LDT1	DSL	0%	0%	0%	0%	0%
		LDT1	ELEC	20%	20%	0%	0%	0%
		LDT2	GAS	20%	20%	20%	20%	20%
		LDT2	DSL	0%	0%	0%	0%	0%
		LDT2	ELEC	20%	20%	0%	0%	0%
		LHDT1	GAS	20%	20%	20%	20%	20%
		LHDT1	DSL	0%	0%	0%	0%	0%
		LHDT2	GAS	20%	20%	20%	20%	20%
		LHDT2	DSL	0%	0%	0%	0%	0%
		MDV	GAS	20%	20%	20%	20%	20%
		MDV	DSL	0%	0%	0%	0%	0%
		MDV	ELEC	20%	20%	0%	0%	0%
		MHDT	GAS	20%	20%	20%	20%	20%
		MHDT	DSL	0%	0%	0%	0%	0%
2035	2032	HHDT	GAS	30%	30%	30%	30%	30%
		HHDT	DSL	0%	0%	0%	0%	0%
		HHDT	NG	0%	0%	0%	0%	0%
		LDA	GAS	30%	30%	30%	30%	30%
		LDA	DSL	0%	0%	0%	0%	0%
		LDA	ELEC	30%	30%	0%	0%	0%
		LDT1	GAS	30%	30%	30%	30%	30%
		LDT1	DSL	0%	0%	0%	0%	0%
		LDT1	ELEC	30%	30%	0%	0%	0%
		LDT2	GAS	30%	30%	30%	30%	30%
		LDT2	DSL	0%	0%	0%	0%	0%
		LDT2	ELEC	30%	30%	0%	0%	0%
		LHDT1	GAS	30%	30%	30%	30%	30%
		LHDT1	DSL	0%	0%	0%	0%	0%
		LHDT2	GAS	30%	30%	30%	30%	30%
		LHDT2	DSL	0%	0%	0%	0%	0%
		MDV	GAS	30%	30%	30%	30%	30%
		MDV	DSL	0%	0%	0%	0%	0%
		MDV	ELEC	30%	30%	0%	0%	0%
		MHDT	GAS	30%	30%	30%	30%	30%
		MHDT	DSL	0%	0%	0%	0%	0%
2035	2031	HHDT	GAS	40%	40%	40%	40%	40%
		HHDT	DSL	0%	0%	0%	0%	0%
		HHDT	NG	0%	0%	0%	0%	0%
		LDA	GAS	40%	40%	40%	40%	40%
		LDA	DSL	0%	0%	0%	0%	0%
		LDA	ELEC	40%	40%	0%	0%	0%
		LDT1	GAS	40%	40%	40%	40%	40%
		LDT1	DSL	0%	0%	0%	0%	0%
		LDT1	ELEC	40%	40%	0%	0%	0%
		LDT2	GAS	40%	40%	40%	40%	40%
		LDT2	DSL	0%	0%	0%	0%	0%
		LDT2	ELEC	40%	40%	0%	0%	0%
		LHDT1	GAS	40%	40%	40%	40%	40%
		LHDT1	DSL	0%	0%	0%	0%	0%
		LHDT2	GAS	40%	40%	40%	40%	40%
		LHDT2	DSL	0%	0%	0%	0%	0%
		MDV	GAS	40%	40%	40%	40%	40%
		MDV	DSL	0%	0%	0%	0%	0%
		MDV	ELEC	40%	40%	0%	0%	0%
		MHDT	GAS	40%	40%	40%	40%	40%
		MHDT	DSL	0%	0%	0%	0%	0%
2035	2030	HHDT	GAS	50%	50%	50%	50%	50%

Base Calendar Year	Analysis Year	Vehicle Category	Fuel	ROG	NOX	CO	SOX	PM10	PM2.5	CO2	CH4	N2O
				Starting EF (g/trip)								
2035	2034	HHDT	GAS	10%	10%	10%	10%	10%	10%	10%	10%	10%
		HHDT	DSL	0%	10%	0%	0%	0%	0%	0%	0%	0%
		HHDT	NG	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	GAS	10%	10%	10%	10%	10%	10%	10%	10%	10%
		LDA	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	10%	10%	10%	10%	10%	10%	10%	10%	10%
		LDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	10%	10%	10%	10%	10%	10%	10%	10%	10%
		LDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	10%	10%	10%	10%	10%	10%	10%	10%	10%
		LHDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT2	GAS	10%	10%	10%	10%	10%	10%	10%	10%	10%
		LHDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	GAS	10%	10%	10%	10%	10%	10%	10%	10%	10%
		MDV	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	10%	10%	10%	10%	10%	10%	10%	10%	10%
		MHDT	DSL	0%	10%	0%	0%	0%	0%	0%	0%	0%
2035	2033	HHDT	GAS	20%	20%	20%	20%	20%	20%	20%	20%	20%
		HHDT	DSL	0%	20%	0%	0%	0%	0%	0%	0%	0%
		HHDT	NG	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	GAS	20%	20%	20%	20%	20%	20%	20%	20%	20%
		LDA	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	20%	20%	20%	20%	20%	20%	20%	20%	20%
		LDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	20%	20%	20%	20%	20%	20%	20%	20%	20%
		LDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	20%	20%	20%	20%	20%	20%	20%	20%	20%
		LHDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT2	GAS	20%	20%	20%	20%	20%	20%	20%	20%	20%
		LHDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	GAS	20%	20%	20%	20%	20%	20%	20%	20%	20%
		MDV	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	20%	20%	20%	20%	20%	20%	20%	20%	20%
		MHDT	DSL	0%	20%	0%	0%	0%	0%	0%	0%	0%
2035	2032	HHDT	GAS	30%	30%	30%	30%	30%	30%	30%	30%	30%
		HHDT	DSL	0%	30%	0%	0%	0%	0%	0%	0%	0%
		HHDT	NG	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	GAS	30%	30%	30%	30%	30%	30%	30%	30%	30%
		LDA	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	30%	30%	30%	30%	30%	30%	30%	30%	30%
		LDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	30%	30%	30%	30%	30%	30%	30%	30%	30%
		LDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	30%	30%	30%	30%	30%	30%	30%	30%	30%
		LHDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT2	GAS	30%	30%	30%	30%	30%	30%	30%	30%	30%
		LHDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	GAS	30%	30%	30%	30%	30%	30%	30%	30%	30%
		MDV	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	30%	30%	30%	30%	30%	30%	30%	30%	30%
		MHDT	DSL	0%	30%	0%	0%	0%	0%	0%	0%	0%
2035	2031	HHDT	GAS	40%	40%	40%	40%	40%	40%	40%	40%	40%
		HHDT	DSL	0%	40%	0%	0%	0%	0%	0%	0%	0%
		HHDT	NG	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	GAS	40%	40%	40%	40%	40%	40%	40%	40%	40%
		LDA	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	40%	40%	40%	40%	40%	40%	40%	40%	40%
		LDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	40%	40%	40%	40%	40%	40%	40%	40%	40%
		LDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	40%	40%	40%	40%	40%	40%	40%	40%	40%
		LHDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT2	GAS	40%	40%	40%	40%	40%	40%	40%	40%	40%
		LHDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	GAS	40%	40%	40%	40%	40%	40%	40%	40%	40%
		MDV	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	40%	40%	40%	40%	40%	40%	40%	40%	40%
		MHDT	DSL	0%	40%	0%	0%	0%	0%	0%	0%	0%
2035	2030	HHDT	GAS	50%	50%	50%	50%	50%	50%	50%	50%	50%

Base Calendar Year	Analysis Year	Vehicle Category	Fuel	ROG	NOX	CO	SOX	PM10	PM2.5	CO2	CH4	N2O
				Running Emission Factor (g/mi)								
		HHDT	DSL	50%	50%	50%	50%	50%	50%	50%	50%	50%
		HHDT	NG	50%	50%	50%	0%	50%	50%	50%	50%	50%
		LDA	GAS	50%	50%	50%	50%	50%	50%	50%	50%	50%
		LDA	DSL	50%	50%	50%	50%	50%	50%	50%	50%	50%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	50%	50%	50%	50%	50%	50%	50%	50%	50%
		LDT1	DSL	50%	50%	50%	50%	50%	50%	50%	50%	50%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	50%	50%	50%	50%	50%	50%	50%	50%	50%
		LDT2	DSL	50%	50%	50%	50%	50%	50%	50%	50%	50%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	50%	50%	50%	50%	50%	50%	50%	50%	50%
		LHDT1	DSL	50%	50%	50%	50%	50%	50%	50%	50%	50%
		LHDT2	GAS	50%	50%	50%	50%	50%	50%	50%	50%	50%
		LHDT2	DSL	50%	50%	50%	50%	50%	50%	50%	50%	50%
		MDV	GAS	50%	50%	50%	50%	50%	50%	50%	50%	50%
		MDV	DSL	50%	50%	50%	50%	50%	50%	50%	50%	50%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	50%	50%	50%	50%	50%	50%	50%	50%	50%
		MHDT	DSL	50%	50%	50%	50%	50%	50%	50%	50%	50%
2035	2029	HHDT	GAS	60%	60%	60%	60%	60%	60%	60%	60%	60%
		HHDT	DSL	60%	60%	60%	60%	60%	60%	60%	60%	60%
		HHDT	NG	60%	60%	60%	0%	60%	60%	60%	60%	60%
		LDA	GAS	60%	60%	60%	60%	60%	60%	60%	60%	60%
		LDA	DSL	60%	60%	60%	60%	60%	60%	60%	60%	60%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	60%	60%	60%	60%	60%	60%	60%	60%	60%
		LDT1	DSL	60%	60%	60%	60%	60%	60%	60%	60%	60%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	60%	60%	60%	60%	60%	60%	60%	60%	60%
		LDT2	DSL	60%	60%	60%	60%	60%	60%	60%	60%	60%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	60%	60%	60%	60%	60%	60%	60%	60%	60%
		LHDT1	DSL	60%	60%	60%	60%	60%	60%	60%	60%	60%
		LHDT2	GAS	60%	60%	60%	60%	60%	60%	60%	60%	60%
		LHDT2	DSL	60%	60%	60%	60%	60%	60%	60%	60%	60%
		MDV	GAS	60%	60%	60%	60%	60%	60%	60%	60%	60%
		MDV	DSL	60%	60%	60%	60%	60%	60%	60%	60%	60%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	60%	60%	60%	60%	60%	60%	60%	60%	60%
		MHDT	DSL	60%	60%	60%	60%	60%	60%	60%	60%	60%
2035	2028	HHDT	GAS	70%	70%	70%	70%	70%	70%	70%	70%	70%
		HHDT	DSL	70%	70%	70%	70%	70%	70%	70%	70%	70%
		HHDT	NG	70%	70%	70%	0%	70%	70%	70%	70%	70%
		LDA	GAS	70%	70%	70%	70%	70%	70%	70%	70%	70%
		LDA	DSL	70%	70%	70%	70%	70%	70%	70%	70%	70%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	70%	70%	70%	70%	70%	70%	70%	70%	70%
		LDT1	DSL	70%	70%	70%	70%	70%	70%	70%	70%	70%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	70%	70%	70%	70%	70%	70%	70%	70%	70%
		LDT2	DSL	70%	70%	70%	70%	70%	70%	70%	70%	70%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	70%	70%	70%	70%	70%	70%	70%	70%	70%
		LHDT1	DSL	70%	70%	70%	70%	70%	70%	70%	70%	70%
		LHDT2	GAS	70%	70%	70%	70%	70%	70%	70%	70%	70%
		LHDT2	DSL	70%	70%	70%	70%	70%	70%	70%	70%	70%
		MDV	GAS	70%	70%	70%	70%	70%	70%	70%	70%	70%
		MDV	DSL	70%	70%	70%	70%	70%	70%	70%	70%	70%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	70%	70%	70%	70%	70%	70%	70%	70%	70%
		MHDT	DSL	70%	70%	70%	70%	70%	70%	70%	70%	70%

Base Calendar Year	Analysis Year	Vehicle Category	Fuel	CH4	CO	CO2	NOX	PM10	PM2.5	ROG	SOX	N2O
				Idling Emission Factor (g/mi)								
		HHDT	DSL	50%	50%	50%	50%	50%	50%	50%	50%	50%
		HHDT	NG	50%	50%	50%	50%	50%	50%	50%	0%	50%
		LDA	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	50%	50%	50%	50%	0%	0%	50%	50%	50%
		LHDT1	DSL	0%	0%	50%	50%	50%	50%	0%	50%	50%
		LHDT2	GAS	50%	50%	50%	50%	0%	0%	50%	50%	50%
		LHDT2	DSL	0%	0%	50%	50%	50%	50%	0%	50%	50%
		MDV	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	50%	50%	50%	50%	0%	0%	50%	50%	50%
		MHDT	DSL	50%	50%	50%	50%	50%	50%	50%	50%	50%
2035	2029	HHDT	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		HHDT	DSL	60%	60%	60%	60%	60%	60%	60%	60%	60%
		HHDT	NG	60%	60%	60%	60%	60%	60%	60%	0%	60%
		LDA	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	60%	60%	60%	60%	0%	0%	60%	60%	60%
		LHDT1	DSL	0%	0%	60%	60%	60%	60%	0%	60%	60%
		LHDT2	GAS	60%	60%	60%	60%	0%	0%	60%	60%	60%
		LHDT2	DSL	0%	0%	60%	60%	60%	60%	0%	60%	60%
		MDV	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	60%	60%	60%	60%	0%	0%	60%	60%	60%
		MHDT	DSL	60%	60%	60%	60%	60%	60%	60%	60%	60%
2035	2028	HHDT	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		HHDT	DSL	70%	70%	70%	70%	70%	70%	70%	70%	70%
		HHDT	NG	70%	70%	70%	70%	70%	70%	70%	0%	70%
		LDA	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	70%	70%	70%	70%	0%	0%	70%	70%	70%
		LHDT1	DSL	0%	0%	70%	70%	70%	70%	0%	70%	70%
		LHDT2	GAS	70%	70%	70%	70%	0%	0%	70%	70%	70%
		LHDT2	DSL	0%	0%	70%	70%	70%	70%	0%	70%	70%
		MDV	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	70%	70%	70%	70%	0%	0%	70%	70%	70%
		MHDT	DSL	70%	70%	70%	70%	70%	70%	70%	70%	70%

				TIREWEAR		BRAKEWEAR	
				PM10 PMTW	PM2.5 PMTW	PM10 PMBW	PM2.5 PMBW
Base Calendar Year	Analysis Year	Vehicle Category	Fuel	Running Emission Factor			
		HHDT	DSL	50%	50%	50%	50%
		HHDT	NG	0%	0%	0%	0%
		LDA	GAS	0%	0%	0%	0%
		LDA	DSL	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%
		LDT1	GAS	0%	0%	0%	0%
		LDT1	DSL	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%
		LDT2	GAS	0%	0%	0%	0%
		LDT2	DSL	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%
		LHDT1	GAS	0%	0%	0%	0%
		LHDT1	DSL	0%	0%	0%	0%
		LHDT2	GAS	0%	0%	0%	0%
		LHDT2	DSL	0%	0%	0%	0%
		MDV	GAS	0%	0%	0%	0%
		MDV	DSL	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%
		MHDT	GAS	0%	0%	0%	0%
		MHDT	DSL	0%	0%	0%	0%
2035	2029	HHDT	GAS	0%	0%	0%	0%
		HHDT	DSL	60%	60%	60%	60%
		HHDT	NG	0%	0%	0%	0%
		LDA	GAS	0%	0%	0%	0%
		LDA	DSL	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%
		LDT1	GAS	0%	0%	0%	0%
		LDT1	DSL	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%
		LDT2	GAS	0%	0%	0%	0%
		LDT2	DSL	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%
		LHDT1	GAS	0%	0%	0%	0%
		LHDT1	DSL	0%	0%	0%	0%
		LHDT2	GAS	0%	0%	0%	0%
		LHDT2	DSL	0%	0%	0%	0%
		MDV	GAS	0%	0%	0%	0%
		MDV	DSL	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%
		MHDT	GAS	0%	0%	0%	0%
		MHDT	DSL	0%	0%	0%	0%
2035	2028	HHDT	GAS	0%	0%	0%	0%
		HHDT	DSL	70%	70%	70%	70%
		HHDT	NG	0%	0%	0%	0%
		LDA	GAS	0%	0%	0%	0%
		LDA	DSL	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%
		LDT1	GAS	0%	0%	0%	0%
		LDT1	DSL	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%
		LDT2	GAS	0%	0%	0%	0%
		LDT2	DSL	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%
		LHDT1	GAS	0%	0%	0%	0%
		LHDT1	DSL	0%	0%	0%	0%
		LHDT2	GAS	0%	0%	0%	0%
		LHDT2	DSL	0%	0%	0%	0%
		MDV	GAS	0%	0%	0%	0%
		MDV	DSL	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%
		MHDT	GAS	0%	0%	0%	0%
		MHDT	DSL	0%	0%	0%	0%

Base Calendar Year	Analysis Year	Vehicle Category	Fuel	ROG-Restloss g/vehicle/day	ROG-Diurnal g/vehicle/day	ROG-RUNLOSS g/trip	ROG-RUNLOSS g/mi	ROG-HOTSOAK g/trip
		HHDT	DSL	0%	0%	0%	0%	0%
		HHDT	NG	0%	0%	0%	0%	0%
		LDA	GAS	50%	50%	50%	50%	50%
		LDA	DSL	0%	0%	0%	0%	0%
		LDA	ELEC	50%	50%	0%	0%	0%
		LDT1	GAS	50%	50%	50%	50%	50%
		LDT1	DSL	0%	0%	0%	0%	0%
		LDT1	ELEC	50%	50%	0%	0%	0%
		LDT2	GAS	50%	50%	50%	50%	50%
		LDT2	DSL	0%	0%	0%	0%	0%
		LDT2	ELEC	50%	50%	0%	0%	0%
		LHDT1	GAS	50%	50%	50%	50%	50%
		LHDT1	DSL	0%	0%	0%	0%	0%
		LHDT2	GAS	50%	50%	50%	50%	50%
		LHDT2	DSL	0%	0%	0%	0%	0%
		MDV	GAS	50%	50%	50%	50%	50%
		MDV	DSL	0%	0%	0%	0%	0%
		MDV	ELEC	50%	50%	0%	0%	0%
		MHDT	GAS	50%	50%	50%	50%	50%
		MHDT	DSL	0%	0%	0%	0%	0%
2035	2029	HHDT	GAS	60%	60%	60%	60%	60%
		HHDT	DSL	0%	0%	0%	0%	0%
		HHDT	NG	0%	0%	0%	0%	0%
		LDA	GAS	60%	60%	60%	60%	60%
		LDA	DSL	0%	0%	0%	0%	0%
		LDA	ELEC	60%	60%	0%	0%	0%
		LDT1	GAS	60%	60%	60%	60%	60%
		LDT1	DSL	0%	0%	0%	0%	0%
		LDT1	ELEC	60%	60%	0%	0%	0%
		LDT2	GAS	60%	60%	60%	60%	60%
		LDT2	DSL	0%	0%	0%	0%	0%
		LDT2	ELEC	60%	60%	0%	0%	0%
		LHDT1	GAS	60%	60%	60%	60%	60%
		LHDT1	DSL	0%	0%	0%	0%	0%
		LHDT2	GAS	60%	60%	60%	60%	60%
		LHDT2	DSL	0%	0%	0%	0%	0%
		MDV	GAS	60%	60%	60%	60%	60%
		MDV	DSL	0%	0%	0%	0%	0%
		MDV	ELEC	60%	60%	0%	0%	0%
		MHDT	GAS	60%	60%	60%	60%	60%
		MHDT	DSL	0%	0%	0%	0%	0%
2035	2028	HHDT	GAS	70%	70%	70%	70%	70%
		HHDT	DSL	0%	0%	0%	0%	0%
		HHDT	NG	0%	0%	0%	0%	0%
		LDA	GAS	70%	70%	70%	70%	70%
		LDA	DSL	0%	0%	0%	0%	0%
		LDA	ELEC	70%	70%	0%	0%	0%
		LDT1	GAS	70%	70%	70%	70%	70%
		LDT1	DSL	0%	0%	0%	0%	0%
		LDT1	ELEC	70%	70%	0%	0%	0%
		LDT2	GAS	70%	70%	70%	70%	70%
		LDT2	DSL	0%	0%	0%	0%	0%
		LDT2	ELEC	70%	70%	0%	0%	0%
		LHDT1	GAS	70%	70%	70%	70%	70%
		LHDT1	DSL	0%	0%	0%	0%	0%
		LHDT2	GAS	70%	70%	70%	70%	70%
		LHDT2	DSL	0%	0%	0%	0%	0%
		MDV	GAS	70%	70%	70%	70%	70%
		MDV	DSL	0%	0%	0%	0%	0%
		MDV	ELEC	70%	70%	0%	0%	0%
		MHDT	GAS	70%	70%	70%	70%	70%
		MHDT	DSL	0%	0%	0%	0%	0%

Base Calendar Year	Analysis Year	Vehicle Category	Fuel	ROG	NOX	CO	SOX	PM10	PM2.5	CO2	CH4	N2O
				Starting EF (g/trip)								
		HHDT	DSL	0%	50%	0%	0%	0%	0%	0%	0%	0%
		HHDT	NG	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	GAS	50%	50%	50%	50%	50%	50%	50%	50%	50%
		LDA	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	50%	50%	50%	50%	50%	50%	50%	50%	50%
		LDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	50%	50%	50%	50%	50%	50%	50%	50%	50%
		LDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	50%	50%	50%	50%	50%	50%	50%	50%	50%
		LHDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT2	GAS	50%	50%	50%	50%	50%	50%	50%	50%	50%
		LHDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	GAS	50%	50%	50%	50%	50%	50%	50%	50%	50%
		MDV	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	50%	50%	50%	50%	50%	50%	50%	50%	50%
		MHDT	DSL	0%	50%	0%	0%	0%	0%	0%	0%	0%
2035	2029	HHDT	GAS	60%	60%	60%	60%	60%	60%	60%	60%	60%
		HHDT	DSL	0%	60%	0%	0%	0%	0%	0%	0%	0%
		HHDT	NG	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	GAS	60%	60%	60%	60%	60%	60%	60%	60%	60%
		LDA	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	60%	60%	60%	60%	60%	60%	60%	60%	60%
		LDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	60%	60%	60%	60%	60%	60%	60%	60%	60%
		LDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	60%	60%	60%	60%	60%	60%	60%	60%	60%
		LHDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT2	GAS	60%	60%	60%	60%	60%	60%	60%	60%	60%
		LHDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	GAS	60%	60%	60%	60%	60%	60%	60%	60%	60%
		MDV	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	60%	60%	60%	60%	60%	60%	60%	60%	60%
		MHDT	DSL	0%	60%	0%	0%	0%	0%	0%	0%	0%
2035	2028	HHDT	GAS	70%	70%	70%	70%	70%	70%	70%	70%	70%
		HHDT	DSL	0%	70%	0%	0%	0%	0%	0%	0%	0%
		HHDT	NG	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	GAS	70%	70%	70%	70%	70%	70%	70%	70%	70%
		LDA	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	70%	70%	70%	70%	70%	70%	70%	70%	70%
		LDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	70%	70%	70%	70%	70%	70%	70%	70%	70%
		LDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	70%	70%	70%	70%	70%	70%	70%	70%	70%
		LHDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT2	GAS	70%	70%	70%	70%	70%	70%	70%	70%	70%
		LHDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	GAS	70%	70%	70%	70%	70%	70%	70%	70%	70%
		MDV	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	70%	70%	70%	70%	70%	70%	70%	70%	70%
		MHDT	DSL	0%	70%	0%	0%	0%	0%	0%	0%	0%

Base Calendar Year	Analysis Year	Vehicle Category	Fuel	ROG	NOX	CO	SOX	PM10	PM2.5	CO2	CH4	N2O
				Running Emission Factor (g/mi)								
2035	2027	HHDT	GAS	80%	80%	80%	80%	80%	80%	80%	80%	80%
		HHDT	DSL	80%	80%	80%	80%	80%	80%	80%	80%	80%
		HHDT	NG	80%	80%	80%	0%	80%	80%	80%	80%	80%
		LDA	GAS	80%	80%	80%	80%	80%	80%	80%	80%	80%
		LDA	DSL	80%	80%	80%	80%	80%	80%	80%	80%	80%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	80%	80%	80%	80%	80%	80%	80%	80%	80%
		LDT1	DSL	80%	80%	80%	80%	80%	80%	80%	80%	80%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	80%	80%	80%	80%	80%	80%	80%	80%	80%
		LDT2	DSL	80%	80%	80%	80%	80%	80%	80%	80%	80%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	80%	80%	80%	80%	80%	80%	80%	80%	80%
		LHDT1	DSL	80%	80%	80%	80%	80%	80%	80%	80%	80%
		LHDT2	GAS	80%	80%	80%	80%	80%	80%	80%	80%	80%
		LHDT2	DSL	80%	80%	80%	80%	80%	80%	80%	80%	80%
		MDV	GAS	80%	80%	80%	80%	80%	80%	80%	80%	80%
		MDV	DSL	80%	80%	80%	80%	80%	80%	80%	80%	80%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	80%	80%	80%	80%	80%	80%	80%	80%	80%
		MHDT	DSL	80%	80%	80%	80%	80%	80%	80%	80%	80%
2035	2026	HHDT	GAS	90%	90%	90%	90%	90%	90%	90%	90%	90%
		HHDT	DSL	90%	90%	90%	90%	90%	90%	90%	90%	90%
		HHDT	NG	90%	90%	90%	0%	90%	90%	90%	90%	90%
		LDA	GAS	90%	90%	90%	90%	90%	90%	90%	90%	90%
		LDA	DSL	90%	90%	90%	90%	90%	90%	90%	90%	90%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	90%	90%	90%	90%	90%	90%	90%	90%	90%
		LDT1	DSL	90%	90%	90%	90%	90%	90%	90%	90%	90%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	90%	90%	90%	90%	90%	90%	90%	90%	90%
		LDT2	DSL	90%	90%	90%	90%	90%	90%	90%	90%	90%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	90%	90%	90%	90%	90%	90%	90%	90%	90%
		LHDT1	DSL	90%	90%	90%	90%	90%	90%	90%	90%	90%
		LHDT2	GAS	90%	90%	90%	90%	90%	90%	90%	90%	90%
		LHDT2	DSL	90%	90%	90%	90%	90%	90%	90%	90%	90%
		MDV	GAS	90%	90%	90%	90%	90%	90%	90%	90%	90%
		MDV	DSL	90%	90%	90%	90%	90%	90%	90%	90%	90%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	90%	90%	90%	90%	90%	90%	90%	90%	90%
		MHDT	DSL	90%	90%	90%	90%	90%	90%	90%	90%	90%
2025	**2024**	HHDT	GAS	14%	14%	14%	14%	14%	14%	14%	14%	14%
		HHDT	DSL	14%	14%	14%	14%	14%	14%	14%	14%	14%
		HHDT	NG	14%	14%	14%	0%	14%	14%	14%	14%	14%
		LDA	GAS	14%	14%	14%	14%	14%	14%	14%	14%	14%
		LDA	DSL	14%	14%	14%	14%	14%	14%	14%	14%	14%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	14%	14%	14%	14%	14%	14%	14%	14%	14%
		LDT1	DSL	14%	14%	14%	14%	14%	14%	14%	14%	14%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	14%	14%	14%	14%	14%	14%	14%	14%	14%
		LDT2	DSL	14%	14%	14%	14%	14%	14%	14%	14%	14%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	14%	14%	14%	14%	14%	14%	14%	14%	14%
		LHDT1	DSL	14%	14%	14%	14%	14%	14%	14%	14%	14%
		LHDT2	GAS	14%	14%	14%	14%	14%	14%	14%	14%	14%
		LHDT2	DSL	14%	14%	14%	14%	14%	14%	14%	14%	14%
		MDV	GAS	14%	14%	14%	14%	14%	14%	14%	14%	14%
		MDV	DSL	14%	14%	14%	14%	14%	14%	14%	14%	14%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	14%	14%	14%	14%	14%	14%	14%	14%	14%
		MHDT	DSL	14%	14%	14%	14%	14%	14%	14%	14%	14%
2025	**2023**	HHDT	GAS	29%	29%	29%	29%	29%	29%	29%	29%	29%
		HHDT	DSL	29%	29%	29%	29%	29%	29%	29%	29%	29%
		HHDT	NG	29%	29%	29%	0%	29%	29%	29%	29%	29%
		LDA	GAS	29%	29%	29%	29%	29%	29%	29%	29%	29%
		LDA	DSL	29%	29%	29%	29%	29%	29%	29%	29%	29%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	29%	29%	29%	29%	29%	29%	29%	29%	29%
		LDT1	DSL	29%	29%	29%	29%	29%	29%	29%	29%	29%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	29%	29%	29%	29%	29%	29%	29%	29%	29%
		LDT2	DSL	29%	29%	29%	29%	29%	29%	29%	29%	29%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	29%	29%	29%	29%	29%	29%	29%	29%	29%
		LHDT1	DSL	29%	29%	29%	29%	29%	29%	29%	29%	29%
		LHDT2	GAS	29%	29%	29%	29%	29%	29%	29%	29%	29%
		LHDT2	DSL	29%	29%	29%	29%	29%	29%	29%	29%	29%
		MDV	GAS	29%	29%	29%	29%	29%	29%	29%	29%	29%
		MDV	DSL	29%	29%	29%	29%	29%	29%	29%	29%	29%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	29%	29%	29%	29%	29%	29%	29%	29%	29%
		MHDT	DSL	29%	29%	29%	29%	29%	29%	29%	29%	29%

Base Calendar Year	Analysis Year	Vehicle Category	Fuel	CH4	CO	CO2	NOX	PM10	PM2.5	ROG	SOX	N2O
				Idling Emission Factor (g/mi)								
2035	2027	HHDT	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		HHDT	DSL	80%	80%	80%	80%	80%	80%	80%	80%	80%
		HHDT	NG	80%	80%	80%	80%	80%	80%	80%	0%	80%
		LDA	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	80%	80%	80%	80%	0%	0%	80%	80%	80%
		LHDT1	DSL	0%	0%	80%	80%	80%	80%	0%	80%	80%
		LHDT2	GAS	80%	80%	80%	80%	0%	0%	80%	80%	80%
		LHDT2	DSL	0%	0%	80%	80%	80%	80%	0%	80%	80%
		MDV	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	80%	80%	80%	80%	0%	0%	80%	80%	80%
		MHDT	DSL	80%	80%	80%	80%	80%	80%	80%	80%	80%
2035	2026	HHDT	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		HHDT	DSL	90%	90%	90%	90%	90%	90%	90%	90%	90%
		HHDT	NG	90%	90%	90%	90%	90%	90%	90%	0%	90%
		LDA	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	90%	90%	90%	90%	0%	0%	90%	90%	90%
		LHDT1	DSL	0%	0%	90%	90%	90%	90%	0%	90%	90%
		LHDT2	GAS	90%	90%	90%	90%	0%	0%	90%	90%	90%
		LHDT2	DSL	0%	0%	90%	90%	90%	90%	0%	90%	90%
		MDV	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	90%	90%	90%	90%	0%	0%	90%	90%	90%
		MHDT	DSL	90%	90%	90%	90%	90%	90%	90%	90%	90%
2025	**2024**	HHDT	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		HHDT	DSL	14%	14%	14%	14%	14%	14%	14%	14%	14%
		HHDT	NG	14%	14%	14%	14%	14%	14%	14%	0%	14%
		LDA	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	14%	14%	14%	14%	0%	0%	14%	14%	14%
		LHDT1	DSL	14%	14%	14%	14%	14%	14%	14%	14%	14%
		LHDT2	GAS	14%	14%	14%	14%	0%	0%	14%	14%	14%
		LHDT2	DSL	14%	14%	14%	14%	14%	14%	14%	14%	14%
		MDV	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	14%	14%	14%	14%	0%	0%	14%	14%	14%
		MHDT	DSL	14%	14%	14%	14%	14%	14%	14%	14%	14%
2025	**2023**	HHDT	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		HHDT	DSL	29%	29%	29%	29%	29%	29%	29%	29%	29%
		HHDT	NG	29%	29%	29%	29%	29%	29%	29%	0%	29%
		LDA	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	29%	29%	29%	29%	0%	0%	29%	29%	29%
		LHDT1	DSL	29%	29%	29%	29%	29%	29%	29%	29%	29%
		LHDT2	GAS	29%	29%	29%	29%	0%	0%	29%	29%	29%
		LHDT2	DSL	29%	29%	29%	29%	29%	29%	29%	29%	29%
		MDV	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	29%	29%	29%	29%	0%	0%	29%	29%	29%
		MHDT	DSL	29%	29%	29%	29%	29%	29%	29%	29%	29%

				TIREWEAR		BRAKEWEAR	
				PM10 PMTW	PM2.5 PMTW	PM10 PMBW	PM2.5 PMBW
Base Calendar Year	Analysis Year	Vehicle Category	Fuel	Running Emission Factor			
2035	2027	HHDT	GAS	0%	0%	0%	0%
		HHDT	DSL	80%	80%	80%	80%
		HHDT	NG	0%	0%	0%	0%
		LDA	GAS	0%	0%	0%	0%
		LDA	DSL	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%
		LDT1	GAS	0%	0%	0%	0%
		LDT1	DSL	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%
		LDT2	GAS	0%	0%	0%	0%
		LDT2	DSL	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%
		LHDT1	GAS	0%	0%	0%	0%
		LHDT1	DSL	0%	0%	0%	0%
		LHDT2	GAS	0%	0%	0%	0%
		LHDT2	DSL	0%	0%	0%	0%
		MDV	GAS	0%	0%	0%	0%
		MDV	DSL	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%
		MHDT	GAS	0%	0%	0%	0%
		MHDT	DSL	0%	0%	0%	0%
2035	2026	HHDT	GAS	0%	0%	0%	0%
		HHDT	DSL	90%	90%	90%	90%
		HHDT	NG	0%	0%	0%	0%
		LDA	GAS	0%	0%	0%	0%
		LDA	DSL	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%
		LDT1	GAS	0%	0%	0%	0%
		LDT1	DSL	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%
		LDT2	GAS	0%	0%	0%	0%
		LDT2	DSL	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%
		LHDT1	GAS	0%	0%	0%	0%
		LHDT1	DSL	0%	0%	0%	0%
		LHDT2	GAS	0%	0%	0%	0%
		LHDT2	DSL	0%	0%	0%	0%
		MDV	GAS	0%	0%	0%	0%
		MDV	DSL	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%
		MHDT	GAS	0%	0%	0%	0%
		MHDT	DSL	0%	0%	0%	0%
2025	**2024**	HHDT	GAS	14%	14%	14%	14%
		HHDT	DSL	14%	14%	14%	14%
		HHDT	NG	14%	14%	14%	14%
		LDA	GAS	14%	14%	14%	14%
		LDA	DSL	14%	14%	14%	14%
		LDA	ELEC	14%	14%	14%	14%
		LDT1	GAS	14%	14%	14%	14%
		LDT1	DSL	14%	14%	14%	14%
		LDT1	ELEC	14%	14%	14%	14%
		LDT2	GAS	14%	14%	14%	14%
		LDT2	DSL	14%	14%	14%	14%
		LDT2	ELEC	14%	14%	14%	14%
		LHDT1	GAS	14%	14%	14%	14%
		LHDT1	DSL	14%	14%	14%	14%
		LHDT2	GAS	14%	14%	14%	14%
		LHDT2	DSL	14%	14%	14%	14%
		MDV	GAS	14%	14%	14%	14%
		MDV	DSL	14%	14%	14%	14%
		MDV	ELEC	14%	14%	14%	14%
		MHDT	GAS	14%	14%	14%	14%
		MHDT	DSL	14%	14%	14%	14%
2025	**2023**	HHDT	GAS	29%	29%	29%	29%
		HHDT	DSL	29%	29%	29%	29%
		HHDT	NG	29%	29%	29%	29%
		LDA	GAS	29%	29%	29%	29%
		LDA	DSL	29%	29%	29%	29%
		LDA	ELEC	29%	29%	29%	29%
		LDT1	GAS	29%	29%	29%	29%
		LDT1	DSL	29%	29%	29%	29%
		LDT1	ELEC	29%	29%	29%	29%
		LDT2	GAS	29%	29%	29%	29%
		LDT2	DSL	29%	29%	29%	29%
		LDT2	ELEC	29%	29%	29%	29%
		LHDT1	GAS	29%	29%	29%	29%
		LHDT1	DSL	29%	29%	29%	29%
		LHDT2	GAS	29%	29%	29%	29%
		LHDT2	DSL	29%	29%	29%	29%
		MDV	GAS	29%	29%	29%	29%
		MDV	DSL	29%	29%	29%	29%
		MDV	ELEC	29%	29%	29%	29%
		MHDT	GAS	29%	29%	29%	29%
		MHDT	DSL	29%	29%	29%	29%

Base Calendar Year	Analysis Year	Vehicle Category	Fuel	ROG-Restloss g/vehicle/day	ROG-Diurnal g/vehicle/day	ROG-RUNLOSS g/trip	ROG-RUNLOSS g/mi	ROG-HOTSOAK g/trip
2035	2027	HHDT	GAS	80%	80%	80%	80%	80%
		HHDT	DSL	0%	0%	0%	0%	0%
		HHDT	NG	0%	0%	0%	0%	0%
		LDA	GAS	80%	80%	80%	80%	80%
		LDA	DSL	0%	0%	0%	0%	0%
		LDA	ELEC	80%	80%	0%	0%	0%
		LDT1	GAS	80%	80%	80%	80%	80%
		LDT1	DSL	0%	0%	0%	0%	0%
		LDT1	ELEC	80%	80%	0%	0%	0%
		LDT2	GAS	80%	80%	80%	80%	80%
		LDT2	DSL	0%	0%	0%	0%	0%
		LDT2	ELEC	80%	80%	0%	0%	0%
		LHDT1	GAS	80%	80%	80%	80%	80%
		LHDT1	DSL	0%	0%	0%	0%	0%
		LHDT2	GAS	80%	80%	80%	80%	80%
		LHDT2	DSL	0%	0%	0%	0%	0%
		MDV	GAS	80%	80%	80%	80%	80%
		MDV	DSL	0%	0%	0%	0%	0%
		MDV	ELEC	80%	80%	0%	0%	0%
		MHDT	GAS	80%	80%	80%	80%	80%
		MHDT	DSL	0%	0%	0%	0%	0%
2035	2026	HHDT	GAS	90%	90%	90%	90%	90%
		HHDT	DSL	0%	0%	0%	0%	0%
		HHDT	NG	0%	0%	0%	0%	0%
		LDA	GAS	90%	90%	90%	90%	90%
		LDA	DSL	0%	0%	0%	0%	0%
		LDA	ELEC	90%	90%	0%	0%	0%
		LDT1	GAS	90%	90%	90%	90%	90%
		LDT1	DSL	0%	0%	0%	0%	0%
		LDT1	ELEC	90%	90%	0%	0%	0%
		LDT2	GAS	90%	90%	90%	90%	90%
		LDT2	DSL	0%	0%	0%	0%	0%
		LDT2	ELEC	90%	90%	0%	0%	0%
		LHDT1	GAS	90%	90%	90%	90%	90%
		LHDT1	DSL	0%	0%	0%	0%	0%
		LHDT2	GAS	90%	90%	90%	90%	90%
		LHDT2	DSL	0%	0%	0%	0%	0%
		MDV	GAS	90%	90%	90%	90%	90%
		MDV	DSL	0%	0%	0%	0%	0%
		MDV	ELEC	90%	90%	0%	0%	0%
		MHDT	GAS	90%	90%	90%	90%	90%
		MHDT	DSL	0%	0%	0%	0%	0%
2025	**2024**	HHDT	GAS	14%	14%	14%	14%	14%
		HHDT	DSL	0%	0%	0%	0%	0%
		HHDT	NG	0%	0%	0%	0%	0%
		LDA	GAS	14%	14%	14%	14%	14%
		LDA	DSL	0%	0%	0%	0%	0%
		LDA	ELEC	14%	14%	0%	0%	14%
		LDT1	GAS	14%	14%	14%	14%	14%
		LDT1	DSL	0%	0%	0%	0%	0%
		LDT1	ELEC	14%	14%	0%	0%	14%
		LDT2	GAS	14%	14%	14%	14%	14%
		LDT2	DSL	0%	0%	0%	0%	0%
		LDT2	ELEC	14%	14%	0%	0%	14%
		LHDT1	GAS	14%	14%	14%	14%	14%
		LHDT1	DSL	0%	0%	0%	0%	0%
		LHDT2	GAS	14%	14%	14%	14%	14%
		LHDT2	DSL	0%	0%	0%	0%	0%
		MDV	GAS	14%	14%	14%	14%	14%
		MDV	DSL	0%	0%	0%	0%	0%
		MDV	ELEC	14%	14%	0%	0%	14%
		MHDT	GAS	14%	14%	14%	14%	14%
		MHDT	DSL	0%	0%	0%	0%	0%
2025	**2023**	HHDT	GAS	29%	29%	29%	29%	29%
		HHDT	DSL	0%	0%	0%	0%	0%
		HHDT	NG	0%	0%	0%	0%	0%
		LDA	GAS	29%	29%	29%	29%	29%
		LDA	DSL	0%	0%	0%	0%	0%
		LDA	ELEC	29%	29%	0%	0%	29%
		LDT1	GAS	29%	29%	29%	29%	29%
		LDT1	DSL	0%	0%	0%	0%	0%
		LDT1	ELEC	29%	29%	0%	0%	29%
		LDT2	GAS	29%	29%	29%	29%	29%
		LDT2	DSL	0%	0%	0%	0%	0%
		LDT2	ELEC	29%	29%	0%	0%	29%
		LHDT1	GAS	29%	29%	29%	29%	29%
		LHDT1	DSL	0%	0%	0%	0%	0%
		LHDT2	GAS	29%	29%	29%	29%	29%
		LHDT2	DSL	0%	0%	0%	0%	0%
		MDV	GAS	29%	29%	29%	29%	29%
		MDV	DSL	0%	0%	0%	0%	0%
		MDV	ELEC	29%	29%	0%	0%	29%
		MHDT	GAS	29%	29%	29%	29%	29%
		MHDT	DSL	0%	0%	0%	0%	0%

Base Calendar Year	Analysis Year	Vehicle Category	Fuel	ROG	NOX	CO	SOX	PM10	PM2.5	CO2	CH4	N2O
				Starting EF (g/trip)								
2035	2027	HHDT	GAS	80%	80%	80%	80%	80%	80%	80%	80%	80%
		HHDT	DSL	0%	80%	0%	0%	0%	0%	0%	0%	0%
		HHDT	NG	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	GAS	80%	80%	80%	80%	80%	80%	80%	80%	80%
		LDA	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	80%	80%	80%	80%	80%	80%	80%	80%	80%
		LDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	80%	80%	80%	80%	80%	80%	80%	80%	80%
		LDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	80%	80%	80%	80%	80%	80%	80%	80%	80%
		LHDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT2	GAS	80%	80%	80%	80%	80%	80%	80%	80%	80%
		LHDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	GAS	80%	80%	80%	80%	80%	80%	80%	80%	80%
		MDV	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	80%	80%	80%	80%	80%	80%	80%	80%	80%
		MHDT	DSL	0%	80%	0%	0%	0%	0%	0%	0%	0%
2035	2026	HHDT	GAS	90%	90%	90%	90%	90%	90%	90%	90%	90%
		HHDT	DSL	0%	90%	0%	0%	0%	0%	0%	0%	0%
		HHDT	NG	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	GAS	90%	90%	90%	90%	90%	90%	90%	90%	90%
		LDA	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	90%	90%	90%	90%	90%	90%	90%	90%	90%
		LDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	90%	90%	90%	90%	90%	90%	90%	90%	90%
		LDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	90%	90%	90%	90%	90%	90%	90%	90%	90%
		LHDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT2	GAS	90%	90%	90%	90%	90%	90%	90%	90%	90%
		LHDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	GAS	90%	90%	90%	90%	90%	90%	90%	90%	90%
		MDV	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	90%	90%	90%	90%	90%	90%	90%	90%	90%
		MHDT	DSL	0%	90%	0%	0%	0%	0%	0%	0%	0%
2025	**2024**	HHDT	GAS	14%	14%	14%	14%	14%	14%	14%	14%	14%
		HHDT	DSL	0%	14%	0%	0%	0%	0%	0%	0%	0%
		HHDT	NG	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	GAS	14%	14%	14%	14%	14%	14%	14%	14%	14%
		LDA	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	14%	14%	14%	14%	14%	14%	14%	14%	14%
		LDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	14%	14%	14%	14%	14%	14%	14%	14%	14%
		LDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	14%	14%	14%	14%	14%	14%	14%	14%	14%
		LHDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT2	GAS	14%	14%	14%	14%	14%	14%	14%	14%	14%
		LHDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	GAS	14%	14%	14%	14%	14%	14%	14%	14%	14%
		MDV	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	14%	14%	14%	14%	14%	14%	14%	14%	14%
		MHDT	DSL	0%	14%	0%	0%	0%	0%	0%	0%	0%
2025	**2023**	HHDT	GAS	29%	29%	29%	29%	29%	29%	29%	29%	29%
		HHDT	DSL	0%	29%	0%	0%	0%	0%	0%	0%	0%
		HHDT	NG	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	GAS	29%	29%	29%	29%	29%	29%	29%	29%	29%
		LDA	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	29%	29%	29%	29%	29%	29%	29%	29%	29%
		LDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	29%	29%	29%	29%	29%	29%	29%	29%	29%
		LDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	29%	29%	29%	29%	29%	29%	29%	29%	29%
		LHDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT2	GAS	29%	29%	29%	29%	29%	29%	29%	29%	29%
		LHDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	GAS	29%	29%	29%	29%	29%	29%	29%	29%	29%
		MDV	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	29%	29%	29%	29%	29%	29%	29%	29%	29%
		MHDT	DSL	0%	29%	0%	0%	0%	0%	0%	0%	0%

Base Calendar Year	Analysis Year	Vehicle Category	Fuel	ROG	NOX	CO	SOX	PM10	PM2.5	CO2	CH4	N2O
				Running Emission Factor (g/mi)								
2025	**2022**	HHDT	GAS	43%	43%	43%	43%	43%	43%	43%	43%	43%
		HHDT	DSL	43%	43%	43%	43%	43%	43%	43%	43%	43%
		HHDT	NG	43%	43%	43%	0%	43%	43%	43%	43%	43%
		LDA	GAS	43%	43%	43%	43%	43%	43%	43%	43%	43%
		LDA	DSL	43%	43%	43%	43%	43%	43%	43%	43%	43%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	43%	43%	43%	43%	43%	43%	43%	43%	43%
		LDT1	DSL	43%	43%	43%	43%	43%	43%	43%	43%	43%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	43%	43%	43%	43%	43%	43%	43%	43%	43%
		LDT2	DSL	43%	43%	43%	43%	43%	43%	43%	43%	43%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	43%	43%	43%	43%	43%	43%	43%	43%	43%
		LHDT1	DSL	43%	43%	43%	43%	43%	43%	43%	43%	43%
		LHDT2	GAS	43%	43%	43%	43%	43%	43%	43%	43%	43%
		LHDT2	DSL	43%	43%	43%	43%	43%	43%	43%	43%	43%
		MDV	GAS	43%	43%	43%	43%	43%	43%	43%	43%	43%
		MDV	DSL	43%	43%	43%	43%	43%	43%	43%	43%	43%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	43%	43%	43%	43%	43%	43%	43%	43%	43%
		MHDT	DSL	43%	43%	43%	43%	43%	43%	43%	43%	43%
2025	**2021**	HHDT	GAS	57%	57%	57%	57%	57%	57%	57%	57%	57%
		HHDT	DSL	57%	57%	57%	57%	57%	57%	57%	57%	57%
		HHDT	NG	57%	57%	57%	0%	57%	57%	57%	57%	57%
		LDA	GAS	57%	57%	57%	57%	57%	57%	57%	57%	57%
		LDA	DSL	57%	57%	57%	57%	57%	57%	57%	57%	57%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	57%	57%	57%	57%	57%	57%	57%	57%	57%
		LDT1	DSL	57%	57%	57%	57%	57%	57%	57%	57%	57%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	57%	57%	57%	57%	57%	57%	57%	57%	57%
		LDT2	DSL	57%	57%	57%	57%	57%	57%	57%	57%	57%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	57%	57%	57%	57%	57%	57%	57%	57%	57%
		LHDT1	DSL	57%	57%	57%	57%	57%	57%	57%	57%	57%
		LHDT2	GAS	57%	57%	57%	57%	57%	57%	57%	57%	57%
		LHDT2	DSL	57%	57%	57%	57%	57%	57%	57%	57%	57%
		MDV	GAS	57%	57%	57%	57%	57%	57%	57%	57%	57%
		MDV	DSL	57%	57%	57%	57%	57%	57%	57%	57%	57%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	57%	57%	57%	57%	57%	57%	57%	57%	57%
		MHDT	DSL	57%	57%	57%	57%	57%	57%	57%	57%	57%

Base Calendar Year	Analysis Year	Vehicle Category	Fuel	CH4	CO	CO2	NOX	PM10	PM2.5	ROG	SOX	N2O
				Idling Emission Factor (g/mi)								
2025	**2022**	HHDT	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		HHDT	DSL	43%	43%	43%	43%	43%	43%	43%	43%	43%
		HHDT	NG	43%	43%	43%	43%	43%	43%	43%	0%	43%
		LDA	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	43%	43%	43%	43%	0%	0%	43%	43%	43%
		LHDT1	DSL	43%	43%	43%	43%	43%	43%	43%	43%	43%
		LHDT2	GAS	43%	43%	43%	43%	0%	0%	43%	43%	43%
		LHDT2	DSL	43%	43%	43%	43%	43%	43%	43%	43%	43%
		MDV	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	43%	43%	43%	43%	0%	0%	43%	43%	43%
		MHDT	DSL	43%	43%	43%	43%	43%	43%	43%	43%	43%
2025	**2021**	HHDT	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		HHDT	DSL	57%	57%	57%	57%	57%	57%	57%	57%	57%
		HHDT	NG	57%	57%	57%	57%	57%	57%	57%	0%	57%
		LDA	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	57%	57%	57%	57%	0%	0%	57%	57%	57%
		LHDT1	DSL	57%	57%	57%	57%	57%	57%	57%	57%	57%
		LHDT2	GAS	57%	57%	57%	57%	0%	0%	57%	57%	57%
		LHDT2	DSL	57%	57%	57%	57%	57%	57%	57%	57%	57%
		MDV	GAS	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	57%	57%	57%	57%	0%	0%	57%	57%	57%
		MHDT	DSL	57%	57%	57%	57%	57%	57%	57%	57%	57%

				TIREWEAR		BRAKEWEAR	
				PM10 PMTW	PM2.5 PMTW	PM10 PMBW	PM2.5 PMBW
Base Calendar Year	Analysis Year	Vehicle Category	Fuel	Running Emission Factor			
2025	**2022**	HHDT	GAS	43%	43%	43%	43%
		HHDT	DSL	43%	43%	43%	43%
		HHDT	NG	43%	43%	43%	43%
		LDA	GAS	43%	43%	43%	43%
		LDA	DSL	43%	43%	43%	43%
		LDA	ELEC	43%	43%	43%	43%
		LDT1	GAS	43%	43%	43%	43%
		LDT1	DSL	43%	43%	43%	43%
		LDT1	ELEC	43%	43%	43%	43%
		LDT2	GAS	43%	43%	43%	43%
		LDT2	DSL	43%	43%	43%	43%
		LDT2	ELEC	43%	43%	43%	43%
		LHDT1	GAS	43%	43%	43%	43%
		LHDT1	DSL	43%	43%	43%	43%
		LHDT2	GAS	43%	43%	43%	43%
		LHDT2	DSL	43%	43%	43%	43%
		MDV	GAS	43%	43%	43%	43%
		MDV	DSL	43%	43%	43%	43%
		MDV	ELEC	43%	43%	43%	43%
		MHDT	GAS	43%	43%	43%	43%
		MHDT	DSL	43%	43%	43%	43%
2025	**2021**	HHDT	GAS	57%	57%	57%	57%
		HHDT	DSL	57%	57%	57%	57%
		HHDT	NG	57%	57%	57%	57%
		LDA	GAS	57%	57%	57%	57%
		LDA	DSL	57%	57%	57%	57%
		LDA	ELEC	57%	57%	57%	57%
		LDT1	GAS	57%	57%	57%	57%
		LDT1	DSL	57%	57%	57%	57%
		LDT1	ELEC	57%	57%	57%	57%
		LDT2	GAS	57%	57%	57%	57%
		LDT2	DSL	57%	57%	57%	57%
		LDT2	ELEC	57%	57%	57%	57%
		LHDT1	GAS	57%	57%	57%	57%
		LHDT1	DSL	57%	57%	57%	57%
		LHDT2	GAS	57%	57%	57%	57%
		LHDT2	DSL	57%	57%	57%	57%
		MDV	GAS	57%	57%	57%	57%
		MDV	DSL	57%	57%	57%	57%
		MDV	ELEC	57%	57%	57%	57%
		MHDT	GAS	57%	57%	57%	57%
		MHDT	DSL	57%	57%	57%	57%

Base Calendar Year	Analysis Year	Vehicle Category	Fuel	ROG-Restloss g/vehicle/day	ROG-Diurnal g/vehicle/day	ROG-RUNLOSS g/trip	ROG-RUNLOSS g/mi	ROG-HOTSOAK g/trip
2025	**2022**	HHDT	GAS	43%	43%	43%	43%	43%
		HHDT	DSL	0%	0%	0%	0%	0%
		HHDT	NG	0%	0%	0%	0%	0%
		LDA	GAS	43%	43%	43%	43%	43%
		LDA	DSL	0%	0%	0%	0%	0%
		LDA	ELEC	43%	43%	0%	0%	43%
		LDT1	GAS	43%	43%	43%	43%	43%
		LDT1	DSL	0%	0%	0%	0%	0%
		LDT1	ELEC	43%	43%	0%	0%	43%
		LDT2	GAS	43%	43%	43%	43%	43%
		LDT2	DSL	0%	0%	0%	0%	0%
		LDT2	ELEC	43%	43%	0%	0%	43%
		LHDT1	GAS	43%	43%	43%	43%	43%
		LHDT1	DSL	0%	0%	0%	0%	0%
		LHDT2	GAS	43%	43%	43%	43%	43%
		LHDT2	DSL	0%	0%	0%	0%	0%
		MDV	GAS	43%	43%	43%	43%	43%
		MDV	DSL	0%	0%	0%	0%	0%
		MDV	ELEC	43%	43%	0%	0%	43%
		MHDT	GAS	43%	43%	43%	43%	43%
		MHDT	DSL	0%	0%	0%	0%	0%
2025	**2021**	HHDT	GAS	57%	57%	57%	57%	57%
		HHDT	DSL	0%	0%	0%	0%	0%
		HHDT	NG	0%	0%	0%	0%	0%
		LDA	GAS	57%	57%	57%	57%	57%
		LDA	DSL	0%	0%	0%	0%	0%
		LDA	ELEC	57%	57%	0%	0%	57%
		LDT1	GAS	57%	57%	57%	57%	57%
		LDT1	DSL	0%	0%	0%	0%	0%
		LDT1	ELEC	57%	57%	0%	0%	57%
		LDT2	GAS	57%	57%	57%	57%	57%
		LDT2	DSL	0%	0%	0%	0%	0%
		LDT2	ELEC	57%	57%	0%	0%	57%
		LHDT1	GAS	57%	57%	57%	57%	57%
		LHDT1	DSL	0%	0%	0%	0%	0%
		LHDT2	GAS	57%	57%	57%	57%	57%
		LHDT2	DSL	0%	0%	0%	0%	0%
		MDV	GAS	57%	57%	57%	57%	57%
		MDV	DSL	0%	0%	0%	0%	0%
		MDV	ELEC	57%	57%	0%	0%	57%
		MHDT	GAS	57%	57%	57%	57%	57%
		MHDT	DSL	0%	0%	0%	0%	0%

Base Calendar Year	Analysis Year	Vehicle Category	Fuel	ROG	NOX	CO	SOX	PM10	PM2.5	CO2	CH4	N2O
				Starting EF (g/trip)								
2025	**2022**	HHDT	GAS	43%	43%	43%	43%	43%	43%	43%	43%	43%
		HHDT	DSL	0%	43%	0%	0%	0%	0%	0%	0%	0%
		HHDT	NG	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	GAS	43%	43%	43%	43%	43%	43%	43%	43%	43%
		LDA	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	43%	43%	43%	43%	43%	43%	43%	43%	43%
		LDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	43%	43%	43%	43%	43%	43%	43%	43%	43%
		LDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	43%	43%	43%	43%	43%	43%	43%	43%	43%
		LHDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT2	GAS	43%	43%	43%	43%	43%	43%	43%	43%	43%
		LHDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	GAS	43%	43%	43%	43%	43%	43%	43%	43%	43%
		MDV	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	43%	43%	43%	43%	43%	43%	43%	43%	43%
		MHDT	DSL	0%	43%	0%	0%	0%	0%	0%	0%	0%
2025	**2021**	HHDT	GAS	57%	57%	57%	57%	57%	57%	57%	57%	57%
		HHDT	DSL	0%	57%	0%	0%	0%	0%	0%	0%	0%
		HHDT	NG	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	GAS	57%	57%	57%	57%	57%	57%	57%	57%	57%
		LDA	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDA	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	GAS	57%	57%	57%	57%	57%	57%	57%	57%	57%
		LDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT1	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	GAS	57%	57%	57%	57%	57%	57%	57%	57%	57%
		LDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LDT2	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT1	GAS	57%	57%	57%	57%	57%	57%	57%	57%	57%
		LHDT1	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		LHDT2	GAS	57%	57%	57%	57%	57%	57%	57%	57%	57%
		LHDT2	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	GAS	57%	57%	57%	57%	57%	57%	57%	57%	57%
		MDV	DSL	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MDV	ELEC	0%	0%	0%	0%	0%	0%	0%	0%	0%
		MHDT	GAS	57%	57%	57%	57%	57%	57%	57%	57%	57%
		MHDT	DSL	0%	57%	0%	0%	0%	0%	0%	0%	0%

B.10 CalEEMod Output

World Logistics Center - Operational Emissions

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	40,600.00	1000sqft	932.05	40,600,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

World Logistics Center - Operational Emissions - South Coast Air Basin, Annual

Project Characteristics -

Land Use -

Construction Phase -

Off-road Equipment - Operational only.

Trips and VMT - Operational only

Vehicle Trips - Operational water and waste only.

Energy Use - Operational waste and water only.

Water And Wastewater - Project-specific water consumption during operation.

Solid Waste -

Stationary Sources - Process Boilers -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	0.37	0.00
tblEnergyUse	T24NG	2.00	2.07
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	IndoorWaterUseRate	9,388,750,000.00	148,190,000.00
tblWater	OutdoorWaterUseRate	0.00	495,670,000.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	165.5733	4.6300e-003	0.5148	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0076	1.0076	2.6000e-003	0.0000	1.0725
Energy	0.4532	4.1197	3.4606	0.0247		0.3131	0.3131		0.3131	0.3131	0.0000	4,484.8012	4,484.8012	0.0860	0.0822	4,511.4521
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	7,746.9471	0.0000	7,746.9471	457.8315	0.0000	19,192.7336
Water						0.0000	0.0000		0.0000	0.0000	47.0139	2,369.4205	2,416.4343	4.9266	0.1343	2,579.6076
Total	**166.0265**	**4.1243**	**3.9754**	**0.0248**	**0.0000**	**0.3149**	**0.3149**	**0.0000**	**0.3149**	**0.3149**	**7,793.9610**	**6,855.2292**	**14,649.1902**	**462.8466**	**0.2165**	**26,284.8658**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	165.5733	4.6300e-003	0.5148	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0076	1.0076	2.6000e-003	0.0000	1.0725
Energy	0.4532	4.1197	3.4606	0.0247		0.3131	0.3131		0.3131	0.3131	0.0000	4,484.8012	4,484.8012	0.0860	0.0822	4,511.4521
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	1,936.7368	0.0000	1,936.7368	114.4579	0.0000	4,798.1834
Water						0.0000	0.0000		0.0000	0.0000	37.6111	2,139.4278	2,177.0389	3.9513	0.1095	2,308.4500
Total	**166.0265**	**4.1243**	**3.9754**	**0.0248**	**0.0000**	**0.3149**	**0.3149**	**0.0000**	**0.3149**	**0.3149**	**1,974.3479**	**6,625.2365**	**8,599.5844**	**118.4978**	**0.1917**	**11,619.1580**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**74.67**	**3.35**	**41.30**	**74.40**	**11.44**	**55.80**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/27/2018	2/24/2022	5	1000	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.552848	0.041144	0.205921	0.110574	0.011987	0.005763	0.023182	0.038654	0.002242	0.001394	0.004854	0.000710	0.000727

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.4532	4.1197	3.4606	0.0247		0.3131	0.3131		0.3131	0.3131	0.0000	4,484.8012	4,484.8012	0.0860	0.0822	4,511.4521
NaturalGas Unmitigated	0.4532	4.1197	3.4606	0.0247		0.3131	0.3131		0.3131	0.3131	0.0000	4,484.8012	4,484.8012	0.0860	0.0822	4,511.4521

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Unrefrigerated Warehouse-No Rail	8.4042e+007	0.4532	4.1197	3.4606	0.0247		0.3131	0.3131		0.3131	0.3131	0.0000	4,484.8012	4,484.8012	0.0860	0.0822	4,511.4521
Total		**0.4532**	**4.1197**	**3.4606**	**0.0247**		**0.3131**	**0.3131**		**0.3131**	**0.3131**	**0.0000**	**4,484.8012**	**4,484.8012**	**0.0860**	**0.0822**	**4,511.4521**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Unrefrigerated Warehouse-No Rail	8.4042e+007	0.4532	4.1197	3.4606	0.0247		0.3131	0.3131		0.3131	0.3131	0.0000	4,484.8012	4,484.8012	0.0860	0.0822	4,511.4521
Total		**0.4532**	**4.1197**	**3.4606**	**0.0247**		**0.3131**	**0.3131**		**0.3131**	**0.3131**	**0.0000**	**4,484.8012**	**4,484.8012**	**0.0860**	**0.0822**	**4,511.4521**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	165.5733	4.6300e-003	0.5148	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0076	1.0076	2.6000e-003	0.0000	1.0725
Unmitigated	165.5733	4.6300e-003	0.5148	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0076	1.0076	2.6000e-003	0.0000	1.0725

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	18.8181					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	146.7081					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0471	4.6300e-003	0.5148	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0076	1.0076	2.6000e-003	0.0000	1.0725
Total	**165.5733**	**4.6300e-003**	**0.5148**	**4.0000e-005**		**1.8300e-003**	**1.8300e-003**		**1.8300e-003**	**1.8300e-003**	**0.0000**	**1.0076**	**1.0076**	**2.6000e-003**	**0.0000**	**1.0725**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	18.8181					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	146.7081					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0471	4.6300e-003	0.5148	4.0000e-005		1.8300e-003	1.8300e-003		1.8300e-003	1.8300e-003	0.0000	1.0076	1.0076	2.6000e-003	0.0000	1.0725
Total	**165.5733**	**4.6300e-003**	**0.5148**	**4.0000e-005**		**1.8300e-003**	**1.8300e-003**		**1.8300e-003**	**1.8300e-003**	**0.0000**	**1.0076**	**1.0076**	**2.6000e-003**	**0.0000**	**1.0725**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2,177.0389	3.9513	0.1095	2,308.4500
Unmitigated	2,416.4343	4.9266	0.1343	2,579.6076

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	148.19 / 495.67	2,416.4343	4.9266	0.1343	2,579.6076
Total		**2,416.4343**	**4.9266**	**0.1343**	**2,579.6076**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	118.552 / 465.434	2,177.0389	3.9513	0.1095	2,308.4500
Total		**2,177.0389**	**3.9513**	**0.1095**	**2,308.4500**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1,936.7368	114.4579	0.0000	4,798.1834
Unmitigated	7,746.9471	457.8315	0.0000	19,192.7336

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	38164	7,746.9471	457.8315	0.0000	19,192.7336
Total		**7,746.9471**	**457.8315**	**0.0000**	**19,192.7336**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	9541	1,936.7368	114.4579	0.0000	4,798.1834
Total		**1,936.7368**	**114.4579**	**0.0000**	**4,798.1834**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

World Logistics Center - Operational Emissions

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	40,600.00	1000sqft	932.05	40,600,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

World Logistics Center - Operational Emissions - South Coast Air Basin, Summer

Project Characteristics -

Land Use -

Construction Phase -

Off-road Equipment - Operational only.

Trips and VMT - Operational only

Vehicle Trips - Operational water and waste only.

Energy Use - Operational waste and water only.

Water And Wastewater - Project-specific water consumption during operation.

Solid Waste -

Stationary Sources - Process Boilers -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	0.37	0.00
tblEnergyUse	T24NG	2.00	2.07
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	IndoorWaterUseRate	9,388,750,000.00	148,190,000.00
tblWater	OutdoorWaterUseRate	0.00	495,670,000.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	907.3698	0.0370	4.1188	3.1000e-004		0.0146	0.0146		0.0146	0.0146		8.8854	8.8854	0.0229		9.4577
Energy	2.4831	22.5737	18.9619	0.1354		1.7156	1.7156		1.7156	1.7156		27,088.4770	27,088.4770	0.5192	0.4966	27,249.4503
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**909.8529**	**22.6107**	**23.0807**	**0.1358**	**0.0000**	**1.7302**	**1.7302**	**0.0000**	**1.7302**	**1.7302**		**27,097.3624**	**27,097.3624**	**0.5421**	**0.4966**	**27,258.9080**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	907.3698	0.0370	4.1188	3.1000e-004		0.0146	0.0146		0.0146	0.0146		8.8854	8.8854	0.0229		9.4577
Energy	2.4831	22.5737	18.9619	0.1354		1.7156	1.7156		1.7156	1.7156		27,088.4770	27,088.4770	0.5192	0.4966	27,249.4503
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**909.8529**	**22.6107**	**23.0807**	**0.1358**	**0.0000**	**1.7302**	**1.7302**	**0.0000**	**1.7302**	**1.7302**		**27,097.3624**	**27,097.3624**	**0.5421**	**0.4966**	**27,258.9080**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/27/2018	2/24/2022	5	1000	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.2 Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.2 Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.2 Demolition - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.2 Demolition - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.2 Demolition - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.552848	0.041144	0.205921	0.110574	0.011987	0.005763	0.023182	0.038654	0.002242	0.001394	0.004854	0.000710	0.000727

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.4831	22.5737	18.9619	0.1354		1.7156	1.7156		1.7156	1.7156		27,088.4770	27,088.4770	0.5192	0.4966	27,249.4503
NaturalGas Unmitigated	2.4831	22.5737	18.9619	0.1354		1.7156	1.7156		1.7156	1.7156		27,088.4770	27,088.4770	0.5192	0.4966	27,249.4503

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	230252	2.4831	22.5737	18.9619	0.1354		1.7156	1.7156		1.7156	1.7156		27,088.4770	27,088.4770	0.5192	0.4966	27,249.4503
Total		**2.4831**	**22.5737**	**18.9619**	**0.1354**		**1.7156**	**1.7156**		**1.7156**	**1.7156**		**27,088.4770**	**27,088.4770**	**0.5192**	**0.4966**	**27,249.4503**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	230.252	2.4831	22.5737	18.9619	0.1354		1.7156	1.7156		1.7156	1.7156		27,088.4770	27,088.4770	0.5192	0.4966	27,249.4503
Total		**2.4831**	**22.5737**	**18.9619**	**0.1354**		**1.7156**	**1.7156**		**1.7156**	**1.7156**		**27,088.4770**	**27,088.4770**	**0.5192**	**0.4966**	**27,249.4503**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	907.3698	0.0370	4.1188	3.1000e-004		0.0146	0.0146		0.0146	0.0146		8.8854	8.8854	0.0229		9.4577
Unmitigated	907.3698	0.0370	4.1188	3.1000e-004		0.0146	0.0146		0.0146	0.0146		8.8854	8.8854	0.0229		9.4577

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	103.1129					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	803.8800					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.3769	0.0370	4.1188	3.1000e-004		0.0146	0.0146		0.0146	0.0146		8.8854	8.8854	0.0229		9.4577
Total	**907.3698**	**0.0370**	**4.1188**	**3.1000e-004**		**0.0146**	**0.0146**		**0.0146**	**0.0146**		**8.8854**	**8.8854**	**0.0229**		**9.4577**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	103.1129					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	803.8800					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.3769	0.0370	4.1188	3.1000e-004		0.0146	0.0146		0.0146	0.0146		8.8854	8.8854	0.0229		9.4577
Total	**907.3698**	**0.0370**	**4.1188**	**3.1000e-004**		**0.0146**	**0.0146**		**0.0146**	**0.0146**		**8.8854**	**8.8854**	**0.0229**		**9.4577**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

World Logistics Center - Operational Emissions

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	40,600.00	1000sqft	932.05	40,600,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	31
Climate Zone	10			**Operational Year**	2040
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

World Logistics Center - Operational Emissions - South Coast Air Basin, Winter

Project Characteristics -

Land Use -

Construction Phase -

Off-road Equipment - Operational only.

Trips and VMT - Operational only

Vehicle Trips - Operational water and waste only.

Energy Use - Operational waste and water only.

Water And Wastewater - Project-specific water consumption during operation.

Solid Waste -

Stationary Sources - Process Boilers -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	1.17	0.00
tblEnergyUse	NT24E	0.82	0.00
tblEnergyUse	NT24NG	0.03	0.00
tblEnergyUse	T24E	0.37	0.00
tblEnergyUse	T24NG	2.00	2.07
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWater	IndoorWaterUseRate	9,388,750,000.00	148,190,000.00
tblWater	OutdoorWaterUseRate	0.00	495,670,000.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	907.3698	0.0370	4.1188	3.1000e-004		0.0146	0.0146		0.0146	0.0146		8.8854	8.8854	0.0229		9.4577
Energy	2.4831	22.5737	18.9619	0.1354		1.7156	1.7156		1.7156	1.7156		27,088.4770	27,088.4770	0.5192	0.4966	27,249.4503
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**909.8529**	**22.6107**	**23.0807**	**0.1358**	**0.0000**	**1.7302**	**1.7302**	**0.0000**	**1.7302**	**1.7302**		**27,097.3624**	**27,097.3624**	**0.5421**	**0.4966**	**27,258.9080**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	907.3698	0.0370	4.1188	3.1000e-004		0.0146	0.0146		0.0146	0.0146		8.8854	8.8854	0.0229		9.4577
Energy	2.4831	22.5737	18.9619	0.1354		1.7156	1.7156		1.7156	1.7156		27,088.4770	27,088.4770	0.5192	0.4966	27,249.4503
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**909.8529**	**22.6107**	**23.0807**	**0.1358**	**0.0000**	**1.7302**	**1.7302**	**0.0000**	**1.7302**	**1.7302**		**27,097.3624**	**27,097.3624**	**0.5421**	**0.4966**	**27,258.9080**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/27/2018	2/24/2022	5	1000	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.2 Demolition - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.2 Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.2 Demolition - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.2 Demolition - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

3.2 Demolition - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**		**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-No Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.552848	0.041144	0.205921	0.110574	0.011987	0.005763	0.023182	0.038654	0.002242	0.001394	0.004854	0.000710	0.000727

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.4831	22.5737	18.9619	0.1354		1.7156	1.7156		1.7156	1.7156		27,088.4770	27,088.4770	0.5192	0.4966	27,249.4503
NaturalGas Unmitigated	2.4831	22.5737	18.9619	0.1354		1.7156	1.7156		1.7156	1.7156		27,088.4770	27,088.4770	0.5192	0.4966	27,249.4503

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	230252	2.4831	22.5737	18.9619	0.1354		1.7156	1.7156		1.7156	1.7156		27,088.4770	27,088.4770	0.5192	0.4966	27,249.4503
Total		**2.4831**	**22.5737**	**18.9619**	**0.1354**		**1.7156**	**1.7156**		**1.7156**	**1.7156**		**27,088.4770**	**27,088.4770**	**0.5192**	**0.4966**	**27,249.4503**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-No Rail	230.252	2.4831	22.5737	18.9619	0.1354		1.7156	1.7156		1.7156	1.7156		27,088.4770	27,088.4770	0.5192	0.4966	27,249.4503
Total		**2.4831**	**22.5737**	**18.9619**	**0.1354**		**1.7156**	**1.7156**		**1.7156**	**1.7156**		**27,088.4770**	**27,088.4770**	**0.5192**	**0.4966**	**27,249.4503**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	907.3698	0.0370	4.1188	3.1000e-004		0.0146	0.0146		0.0146	0.0146		8.8854	8.8854	0.0229		9.4577
Unmitigated	907.3698	0.0370	4.1188	3.1000e-004		0.0146	0.0146		0.0146	0.0146		8.8854	8.8854	0.0229		9.4577

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	103.1129					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	803.8800					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.3769	0.0370	4.1188	3.1000e-004		0.0146	0.0146		0.0146	0.0146		8.8854	8.8854	0.0229		9.4577
Total	**907.3698**	**0.0370**	**4.1188**	**3.1000e-004**		**0.0146**	**0.0146**		**0.0146**	**0.0146**		**8.8854**	**8.8854**	**0.0229**		**9.4577**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	103.1129					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	803.8800					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.3769	0.0370	4.1188	3.1000e-004		0.0146	0.0146		0.0146	0.0146		8.8854	8.8854	0.0229		9.4577
Total	**907.3698**	**0.0370**	**4.1188**	**3.1000e-004**		**0.0146**	**0.0146**		**0.0146**	**0.0146**		**8.8854**	**8.8854**	**0.0229**		**9.4577**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Appendix C
CO Hot Spot Output

ESA

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: 2035_wProject_Alessandro&CanyonCrest_PM
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT:

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 488. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 5. DEGREES TEMP= 4.4 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NBExternal	15	0	15	600	AG	4180	1.8	0.0	17.0
B. NBApproach	15	600	15	756	AG	3570	5.0	0.0	17.0
C. NBDepart	15	756	15	912	AG	2480	1.8	0.0	13.0
D. NBExternal	15	912	15	1512	AG	2710	1.8	0.0	13.0
E. NBLeft	15	600	8	756	AG	610	5.0	0.0	10.0
F. SBLeft	0	912	8	756	AG	20	5.0	0.0	10.0
G. SBExternal	0	1512	0	912	AG	2860	1.8	0.0	14.0
H. SBApproach	0	912	0	756	AG	2840	5.0	0.0	14.0
I. SBDepart	0	756	0	600	AG	3270	1.8	0.0	18.0
J. SBExternal	0	600	0	0	AG	4640	1.8	0.0	17.0
K. EBExternal	-750	750	-150	750	AG	950	1.9	0.0	18.0
L. EBApproach	-150	750	8	750	AG	720	5.0	0.0	19.0
M. EBDepart	8	750	165	750	AG	1240	1.9	0.0	17.0
N. EBExternal	165	750	765	750	AG	1260	1.9	0.0	17.0
O. WBExternal	765	765	165	762	AG	1700	1.9	0.0	19.0
P. WBApproach	165	765	8	762	AG	330	5.0	0.0	20.0
Q. WBDepart	8	765	-150	762	AG	470	1.9	0.0	19.0
R. WBExternal	-150	765	-750	762	AG	1080	1.9	0.0	17.0
S. EBLeft	-150	750	8	756	AG	230	5.0	0.0	10.0
T. WBLeft	165	765	8	756	AG	1370	5.0	0.0	10.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: 2035_wProject_Alessandro&CanyonCrest_PM
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT:

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z

1. 1	*	-11	741	2.0
2. 2	*	26	741	2.0
3. 3	*	26	771	2.0
4. 4	*	-11	771	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. 1	78.	1.3	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0
2. 2	189.	1.6	0.0	1.2	0.0	0.0	0.1	0.0	0.0	0.0
3. 3	187.	1.8	0.1	1.1	0.0	0.0	0.1	0.0	0.0	0.0
4. 4	132.	1.2	0.0	0.4	0.0	0.0	0.1	0.0	0.0	0.5

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. 1	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.3
2. 2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. 3	0.1	0.2	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.2
4. 4	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: 2035_wProject_Alessandro&Chicago_PM
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT:

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 488. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 5. DEGREES TEMP= 4.4 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NBExternal	*	14	0	14	600	* AG	2920	2.1	0.0	19.0
B. NBApproach	*	14	600	14	757	* AG	1830	5.0	0.0	17.0
C. NBDepart	*	14	757	14	914	* AG	1970	2.1	0.0	14.0
D. NBExternal	*	14	914	14	1514	* AG	2050	2.1	0.0	13.0
E. NBLeft	*	14	600	7	757	* AG	1090	5.0	0.0	13.0
F. SBLeft	*	0	914	7	757	* AG	660	5.0	0.0	13.0
G. SBExternal	*	0	1514	0	914	* AG	2430	2.1	0.0	16.0
H. SBApproach	*	0	914	0	757	* AG	1770	5.0	0.0	15.0
I. SBDepart	*	0	757	0	600	* AG	3100	2.1	0.0	18.0
J. SBExternal	*	0	600	0	0	* AG	3620	2.1	0.0	18.0
K. EBExternal	*	-750	750	-150	750	* AG	2960	1.9	0.0	20.0
L. EBApproach	*	-150	750	7	750	* AG	2880	5.0	0.0	20.0
M. EBDepart	*	7	750	164	750	* AG	1740	1.9	0.0	16.0
N. EBExternal	*	164	750	764	750	* AG	2400	1.9	0.0	15.0
O. WBExternal	*	764	764	164	764	* AG	1950	1.9	0.0	19.0
P. WBApproach	*	164	764	7	764	* AG	1430	5.0	0.0	13.0
Q. WBDepart	*	7	764	-150	764	* AG	1100	1.9	0.0	17.0
R. WBExternal	*	-150	764	-750	764	* AG	2190	1.9	0.0	17.0
S. EBLeft	*	-150	750	7	757	* AG	80	5.0	0.0	10.0
T. WBLeft	*	164	764	7	757	* AG	520	5.0	0.0	12.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: 2035_wProject_Alessandro&Chicago_PM
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT:

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z

1. 1	*	-10	740	2.0
2. 2	*	24	740	2.0
3. 3	*	24	774	2.0
4. 4	*	-10	774	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. 1	7.	1.7	0.0	0.0	0.1	0.1	0.0	0.2	0.0	0.6
2. 2	275.	1.9	0.0	0.3	0.0	0.0	0.1	0.0	0.0	0.0
3. 3	186.	1.6	0.1	0.7	0.0	0.0	0.2	0.0	0.0	0.0
4. 4	167.	1.5	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.1

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. 1	0.1	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. 2	0.1	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
3. 3	0.1	0.2	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.1
4. 4	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: 2035_wProject_Alessandro&MissionGrove_PM
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT:

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 488. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 5. DEGREES TEMP= 4.4 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NBExternal	*	11	0	11	600	* AG	980	2.3	0.0	16.0
B. NBApproach	*	11	600	11	759	* AG	640	5.0	0.0	14.0
C. NBDepart	*	11	759	11	919	* AG	540	2.3	0.0	14.0
D. NBExternal	*	11	919	11	1519	* AG	680	2.3	0.0	14.0
E. NBLeft	*	11	600	6	759	* AG	340	5.0	0.0	13.0
F. SBLeft	*	0	919	6	759	* AG	480	5.0	0.0	10.0
G. SBExternal	*	0	1519	0	919	* AG	1640	2.3	0.0	15.0
H. SBApproach	*	0	919	0	760	* AG	1160	5.0	0.0	15.0
I. SBDepart	*	0	759	0	600	* AG	1230	2.3	0.0	14.0
J. SBExternal	*	0	600	0	0	* AG	1530	2.3	0.0	14.0
K. EBExternal	*	-750	750	-150	750	* AG	3120	1.9	0.0	18.0
L. EBApproach	*	-150	750	6	750	* AG	2980	5.0	0.0	24.0
M. EBDepart	*	6	750	161	750	* AG	2970	1.9	0.0	19.0
N. EBExternal	*	161	750	761	750	* AG	3450	1.9	0.0	18.0
O. WBExternal	*	761	769	161	769	* AG	2930	1.9	0.0	19.0
P. WBApproach	*	161	769	6	769	* AG	2630	5.0	0.0	20.0
Q. WBDepart	*	6	769	-150	769	* AG	2670	1.9	0.0	23.0
R. WBExternal	*	-150	769	-750	769	* AG	3010	1.9	0.0	21.0
S. EBLeft	*	-150	750	6	759	* AG	140	5.0	0.0	10.0
T. WBLeft	*	161	769	6	759	* AG	300	5.0	0.0	12.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: 2035_wProject_Alessandro&MissionGrove_PM
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT:

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z

1. 1	*	-9	738	2.0
2. 2	*	20	738	2.0
3. 3	*	20	781	2.0
4. 4	*	-9	781	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. 1	276.	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. 2	275.	1.5	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
3. 3	99.	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. 4	97.	1.5	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. 1	0.0	0.0	0.1	1.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
2. 2	0.1	0.0	0.1	1.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
3. 3	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.9	0.0	0.0	0.0	0.1
4. 4	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.9	0.1	0.0	0.0	0.1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: 2035_wProject_Alessandro&Sycamore_PM
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT:

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 488. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 5. DEGREES TEMP= 4.4 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (M) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NBExternal	15	0	15	600	AG	970	1.9	0.0	15.0
B. NBApproach	15	600	15	760	AG	510	5.0	0.0	23.0
C. NBDepart	15	760	15	920	AG	540	1.9	0.0	19.0
D. NBExternal	15	920	15	1520	AG	790	1.9	0.0	16.0
E. NBLeft	15	600	7	760	AG	460	5.0	0.0	13.0
F. SBLeft	0	920	7	760	AG	140	5.0	0.0	13.0
G. SBExternal	0	1520	0	920	AG	870	1.9	0.0	15.0
H. SBApproach	0	920	0	760	AG	730	5.0	0.0	19.0
I. SBDepart	0	760	0	600	AG	1280	1.9	0.0	13.0
J. SBExternal	0	600	0	0	AG	1480	1.9	0.0	13.0
K. EBExternal	-750	750	-150	750	AG	3950	1.7	0.0	18.0
L. EBApproach	-150	750	7	750	AG	3700	5.0	0.0	25.0
M. EBDepart	7	750	165	750	AG	3070	1.7	0.0	17.0
N. EBExternal	165	750	765	750	AG	3210	1.7	0.0	17.0
O. WBExternal	765	770	165	770	AG	2900	1.7	0.0	20.0
P. WBApproach	165	770	7	770	AG	2700	5.0	0.0	25.0
Q. WBDepart	7	770	-150	770	AG	2750	1.7	0.0	22.0
R. WBExternal	-150	770	-750	760	AG	3210	1.7	0.0	22.0
S. EBLeft	-150	750	7	760	AG	250	5.0	0.0	10.0
T. WBLeft	165	770	7	760	AG	200	5.0	0.0	13.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: 2035_wProject_Alessandro&Sycamore_PM
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT:

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z

1. 1	*	-10	737	2.0
2. 2	*	25	737	2.0
3. 3	*	25	783	2.0
4. 4	*	-10	783	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. 1	277.	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. 2	276.	1.6	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
3. 3	97.	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. 4	97.	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. 1	0.0	0.0	0.1	1.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
2. 2	0.0	0.0	0.1	1.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
3. 3	0.0	0.0	0.0	0.0	0.0	0.1	0.1	1.0	0.0	0.0	0.0	0.0
4. 4	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.9	0.0	0.0	0.0	0.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: 2035_wProject_Ramona&Sanderson_PM
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT:

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 488. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 5. DEGREES TEMP= 4.4 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	* TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NBExternal	*	11	0	11	600	* AG	2260	1.6	0.0	17.0
B. NBApproach	*	15	600	15	760	* AG	2390	5.0	0.0	21.0
C. NBDepart	*	15	760	15	920	* AG	2820	1.6	0.0	15.0
D. NBExternal	*	15	920	15	1520	* AG	3000	1.6	0.0	14.0
E. NBLeft	*	15	600	7	760	* AG	270	5.0	0.0	14.0
F. SBLeft	*	0	920	7	760	* AG	860	5.0	0.0	13.0
G. SBExternal	*	0	1520	0	920	* AG	4980	1.6	0.0	14.0
H. SBApproach	*	0	920	0	760	* AG	4120	5.0	0.0	21.0
I. SBDepart	*	0	760	0	600	* AG	3750	1.6	0.0	19.0
J. SBExternal	*	0	600	0	0	* AG	3830	1.6	0.0	13.0
K. EBExternal	*	-750	750	-150	750	* AG	510	1.6	0.0	14.0
L. EBApproach	*	-150	750	7	750	* AG	330	5.0	0.0	20.0
M. EBDepart	*	7	750	165	750	* AG	300	1.6	0.0	18.0
N. EBExternal	*	165	750	765	750	* AG	1160	1.6	0.0	17.0
O. WBExternal	*	765	770	165	770	* AG	920	1.6	0.0	14.0
P. WBApproach	*	165	770	7	770	* AG	840	5.0	0.0	22.0
Q. WBDepart	*	7	770	-150	770	* AG	810	1.6	0.0	20.0
R. WBExternal	*	-150	770	-750	760	* AG	1080	1.6	0.0	16.0
S. EBLeft	*	-150	750	7	760	* AG	180	5.0	0.0	13.0
T. WBLeft	*	165	770	7	760	* AG	80	5.0	0.0	13.0

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
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JOB: 2035_wProject_Ramona&Sanderson_PM
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT:

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z

1. 1	*	-10	737	2.0
2. 2	*	25	737	2.0
3. 3	*	25	783	2.0
4. 4	*	-10	783	2.0

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. 1	5.	1.9	0.0	0.0	0.0	0.1	0.0	0.2	0.1	1.2
2. 2	347.	1.6	0.0	0.4	0.2	0.0	0.0	0.2	0.0	0.6
3. 3	186.	1.3	0.1	0.8	0.0	0.0	0.1	0.0	0.0	0.0
4. 4	6.	2.2	0.0	0.0	0.0	0.1	0.0	0.2	0.1	1.7

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. 1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
3. 3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
4. 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0